

ภาคผนวก ค

ใบรับรองผลการตรวจวัดคุณภาพสิ่งแวดล้อม

ภาคผนวก ค-1

ผลการตรวจวัดคุณภาพอากาศในบรรยากาศ
(ระยะก่อสร้าง)



Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location : WHA ESIE 4

Lot ID: 2599237

Date Received : Nov 24, 2025

Date Reported : Nov 28, 2025

Report Number: 3435996-1

Page 1 of 1

Sample Description	Air Quality				
Location	บริเวณที่พักอาศัยด้านทิศใต้ของโครงการ (A1) (GPS 47P 0745570, 1426765)				
Date Analysis Commenced	Nov 25, 2025				
Condition of Sample	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag				
Sample Number	Sampled Date	Sampling Condition		Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)
		Pressure (mm Hg)	Temperature (°C)		
2599237-1	Nov 16 - Nov 17, 2025	757	26.9	0.016	0.010
2599237-2	Nov 17 - Nov 18, 2025	757	26.5	0.019	0.014
2599237-3	Nov 18 - Nov 19, 2025	757	26.4	0.018	0.013
2599237-4	Nov 19 - Nov 20, 2025	757	26.7	0.016	0.012
2599237-5	Nov 20 - Nov 21, 2025	757	25.2	0.030	0.019
2599237-6	Nov 21 - Nov 22, 2025	757	25.9	0.035	0.028
2599237-7	Nov 22 - Nov 23, 2025	757	26.6	0.041	0.030
Guideline		-	-	0.33	0.12

Reference Method

Total Suspended Particulate : United States Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008

Particulate Matter (PM-10) : United States Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008

Guideline : Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004

Sampled By : Apichart Wilars

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599239

Date Received : Nov 24, 2025

Date Reported : Dec 01, 2025

Report Number : 3435997-1

P/O :

Project Name : Monitoring

Project Location : WHA ESIE 4

Page 1 of 2

Sample Number : 2599239-1 to 7
Parameter : Wind Speed / Wind Direction
Location : บริเวณที่พักอาศัยด้านทิศใต้ของโครงการ (A1) (GPS 47P 0745570, 1426765)
Sampling Date : Nov 16 - Nov 23, 2025
Sampling by : Apichart Wilars

Time	Nov 16 - Nov 17, 2025			Nov 17 - Nov 18, 2025			Nov 18 - Nov 19, 2025			Nov 19 - Nov 20, 2025			Nov 20 - Nov 21, 2025			Nov 21 - Nov 22, 2025			Nov 22 - Nov 23, 2025		
	WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)	
12:00 PM - 01:00 PM	3.5	4.0	N	3.1	357.0	N	1.4	298.0	WNW	4.5	3.0	N	2.8	307.0	NW	2.8	329.0	NNW	3.6	299.0	WNW
01:00 PM - 02:00 PM	1.5	359.0	N	2.2	1.0	N	2.5	325.0	NW	4.6	2.0	N	3.7	333.0	NNW	1.4	288.0	WNW	3.1	320.0	NW
02:00 PM - 03:00 PM	3.4	340.0	NNW	1.0	331.0	NNW	3.6	346.0	NNW	4.5	354.0	N	3.1	345.0	NNW	4.0	330.0	NNW	3.4	319.0	NW
03:00 PM - 04:00 PM	3.8	339.0	NNW	2.8	351.0	N	2.1	5.0	N	2.2	7.0	N	2.3	330.0	NNW	4.2	323.0	NW	3.1	322.0	NW
04:00 PM - 05:00 PM	3.9	340.0	NNW	1.0	35.0	NE	1.4	6.0	N	2.6	343.0	NNW	2.0	297.0	WNW	2.9	308.0	NW	2.9	346.0	NNW
05:00 PM - 06:00 PM	2.4	354.0	N	0.5	328.0	NNW	2.3	350.0	N	2.5	339.0	NNW	3.6	341.0	NNW	1.7	327.0	NNW	3.0	331.0	NNW
06:00 PM - 07:00 PM	2.6	2.0	N	1.9	330.0	NNW	1.1	335.0	NNW	4.9	336.0	NNW	2.1	312.0	NW	3.6	337.0	NNW	1.7	349.0	N
07:00 PM - 08:00 PM	4.1	359.0	N	1.1	284.0	WNW	0.6	347.0	NNW	5.2	341.0	NNW	3.0	341.0	NNW	3.7	359.0	N	0.9	284.0	WNW
08:00 PM - 09:00 PM	4.3	0.0	N	1.0	297.0	WNW	2.7	323.0	NW	4.7	336.0	NNW	0.5	266.0	W	1.2	210.0	SSW	0.6	295.0	WNW
09:00 PM - 10:00 PM	3.2	345.0	NNW	0.4	327.0	NNW	1.7	338.0	NNW	1.8	345.0	NNW	1.0	18.0	NNE	1.3	328.0	NNW	1.7	296.0	WNW
10:00 PM - 11:00 PM	0.2	-	-	0.3	265.0	W	1.4	338.0	NNW	5.7	323.0	NW	0.0	-	-	1.6	318.0	NW	0.8	292.0	WNW
11:00 PM - 12:00 AM	1.3	322.0	NW	1.5	310.0	NW	1.3	359.0	N	1.0	295.0	WNW	0.2	-	-	0.4	304.0	NW	1.2	245.0	WSW
12:00 AM - 01:00 AM	2.1	296.0	WNW	2.9	320.0	NW	4.1	325.0	NW	3.0	341.0	NNW	2.1	358.0	N	3.1	320.0	NW	0.4	288.0	WNW
01:00 AM - 02:00 AM	1.2	9.0	N	2.0	307.0	NW	3.3	332.0	NNW	5.8	346.0	NNW	0.8	339.0	NNW	1.1	277.0	W	0.7	249.0	WSW
02:00 AM - 03:00 AM	4.0	321.0	NW	1.3	324.0	NW	1.4	304.0	NW	5.4	357.0	N	1.8	317.0	NW	1.8	311.0	NW	0.2	-	-
03:00 AM - 04:00 AM	3.2	334.0	NNW	1.5	292.0	WNW	1.3	321.0	NW	4.1	348.0	NNW	2.3	299.0	WNW	1.5	317.0	NW	0.6	218.0	SW
04:00 AM - 05:00 AM	1.7	0.0	N	1.6	340.0	NNW	0.4	332.0	NNW	3.8	341.0	NNW	2.2	0.0	N	1.7	266.0	W	0.9	230.0	SW
05:00 AM - 06:00 AM	2.4	316.0	NW	0.9	342.0	NNW	1.5	348.0	NNW	3.6	337.0	NNW	4.9	324.0	NW	0.8	290.0	WNW	1.4	216.0	SW
06:00 AM - 07:00 AM	1.7	322.0	NW	1.2	316.0	NW	2.8	345.0	NNW	1.9	315.0	NW	3.8	338.0	NNW	4.2	326.0	NW	0.6	247.0	WSW
07:00 AM - 08:00 AM	3.4	326.0	NW	2.2	338.0	NNW	5.6	342.0	NNW	2.0	341.0	NNW	3.4	355.0	N	1.8	279.0	W	0.1	-	-
08:00 AM - 09:00 AM	1.6	330.0	NNW	1.6	344.0	NNW	3.5	328.0	NNW	3.7	304.0	NW	3.9	333.0	NNW	3.4	338.0	NNW	1.7	349.0	N
09:00 AM - 10:00 AM	1.4	335.0	NNW	4.6	345.0	NNW	6.0	0.0	N	2.0	335.0	NNW	3.0	320.0	NW	4.4	353.0	N	0.9	284.0	WNW
10:00 AM - 11:00 AM	2.1	23.0	NNE	3.7	358.0	N	3.7	315.0	NW	4.6	342.0	NNW	6.9	339.0	NNW	1.4	303.0	WNW	0.6	300.0	WNW
11:00 AM - 12:00 PM	2.5	290.0	WNW	2.6	317.0	NW	2.5	352.0	N	4.9	330.0	NNW	4.5	337.0	NNW	3.2	287.0	WNW	1.4	311.0	NW

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599239

Date Received : Nov 24, 2025

Date Reported : Dec 01, 2025

Report Number : 3435997-1

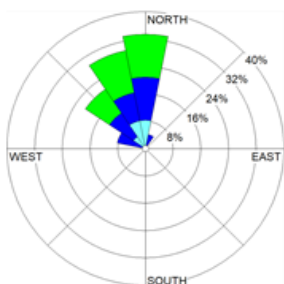
P/O :

Project Name : Monitoring

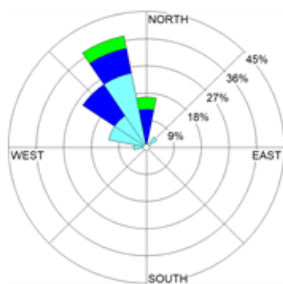
Project Location : WHA ESIE 4

Page 2 of 2

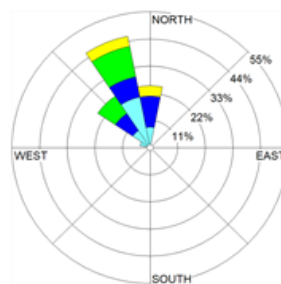
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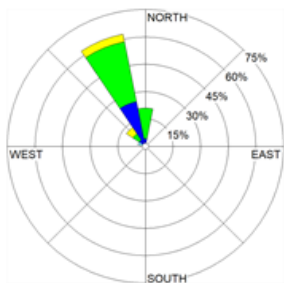
Date : Nov 16-17, 2025



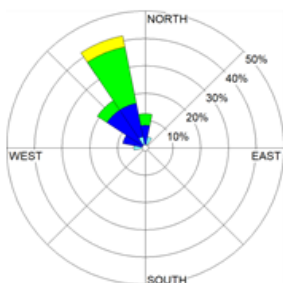
Date : Nov 17-18, 2025



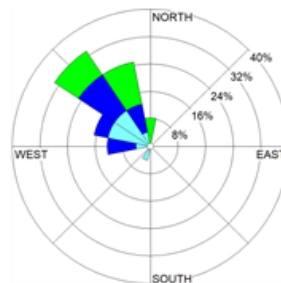
Date : Nov 18-19, 2025



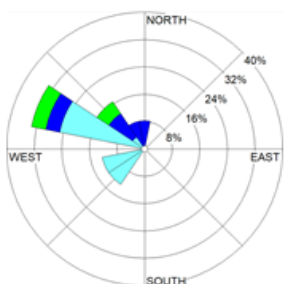
Date : Nov 19-20, 2025



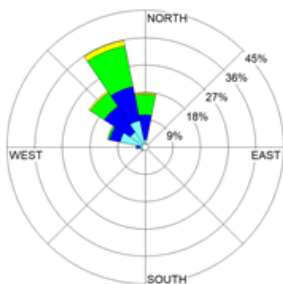
Date : Nov 20-21, 2025



Date : Nov 21-22, 2025



Date : Nov 22-23, 2025



Date : Nov 16-23, 2025

WS (m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	2.98
3.3-5.5	26.19
1.7-3.3	35.12
0.3-1.7	32.74
Calms	2.98

Location : บริเวณที่พักอาศัยด้านทิศใต้ของโครงการ (A1) (GPS 47P 0745570, 1426765)

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Sarayuth Jitranont
Assistant General Manager

ภาคผนวก ค-2

ผลการตรวจวัดคุณภาพอากาศในบรรยากาศ
(ระยะดำเนินการ)



Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599073
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 3435719-1

Page 1 of 1

Sample Description Air Quality
Location บ้านนาเกลือ (A1) (GPS 47P 0744745, 1430105)
Date Analysis Commenced Nov 25, 2025
Condition of Sample Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag

Sample Number	Sampled Date	Sampling Condition		Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)
		Pressure (mm Hg)	Temperature (°C)		
2599073-1	Nov 16 - Nov 17, 2025	757	26.9	0.019	0.010
2599073-2	Nov 17 - Nov 18, 2025	757	26.5	0.019	0.011
2599073-3	Nov 18 - Nov 19, 2025	757	26.4	0.023	0.015
2599073-4	Nov 19 - Nov 20, 2025	757	26.7	0.016	0.011
2599073-5	Nov 20 - Nov 21, 2025	757	25.2	0.025	0.017
2599073-6	Nov 21 - Nov 22, 2025	757	25.9	0.032	0.023
2599073-7	Nov 22 - Nov 23, 2025	757	26.6	0.039	0.025
Guideline	-	-	-	0.33	0.12

Reference Method

Total Suspended Particulate : United States Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008
Particulate Matter (PM-10) : United States Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008

Guideline : Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004

Sampled By : Apichart Wilars

Approved by

Thanita K.

Thanita Kulsurwong
Scientist (4)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599073
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 3435719-2

Page 1 of 1

Sample Description Air Quality
Location บ้านนาเกลือ (A2) (GPS 47P 0747072, 1430188)
Date Analysis Commenced Nov 25, 2025
Condition of Sample Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag

Sample Number	Sampled Date	Sampling Condition		Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)
		Pressure (mm Hg)	Temperature (°C)		
2599073-8	Nov 16 - Nov 17, 2025	757	26.9	0.025	0.011
2599073-9	Nov 17 - Nov 18, 2025	757	26.5	0.038	0.022
2599073-10	Nov 18 - Nov 19, 2025	757	26.4	0.036	0.025
2599073-11	Nov 19 - Nov 20, 2025	757	26.7	0.028	0.019
2599073-12	Nov 20 - Nov 21, 2025	757	25.2	0.034	0.027
2599073-13	Nov 21 - Nov 22, 2025	757	25.9	0.041	0.031
2599073-14	Nov 22 - Nov 23, 2025	757	26.6	0.046	0.032
Guideline	-	-	-	0.33	0.12

Reference Method

Total Suspended Particulate : United States Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008
Particulate Matter (PM-10) : United States Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008

Guideline : Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004

Sampled By : Apichart Wilars

Approved by

Thanita K.

Thanita Kulsurwong
Scientist (4)

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Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599073
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 3435719-3

Page 1 of 1

Sample Description Air Quality
Location บ้านนาเกลือ (A3) (GPS 47P 0744504, 1425874)
Date Analysis Commenced Nov 25, 2025
Condition of Sample Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag

Sample Number	Sampled Date	Sampling Condition		Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)
		Pressure (mm Hg)	Temperature (°C)		
2599073-15	Nov 1w - Nov 17, 2025	757	2w9	0.01w	0.010
2599073-1w	Nov 17 - Nov 18, 2025	757	2w5	0.019	0.013
2599073-17	Nov 18 - Nov 19, 2025	757	2w4	0.021	0.014
2599073-18	Nov 19 - Nov 20, 2025	757	2w7	0.018	0.013
2599073-19	Nov 20 - Nov 21, 2025	757	25.2	0.025	0.018
2599073-20	Nov 21 - Nov 22, 2025	757	25.9	0.03w	0.030
2599073-21	Nov 22 - Nov 23, 2025	757	2wv	0.040	0.030
Guideline	-	-	-	0.33	0.12

Reference Method

Total Suspended Particulate : United States Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008
Particulate Matter (PM-10) : United States Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008

Guideline : Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004

Sampled By : Apichart Wilars

Approved by

Thanita K.

Thanita Kulsurwong
Scientist (4)

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Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599073
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 3435719-4

Page 1 of 1

Sample Description Air Quality
Location บ้านนาเกลือ (A4) (GPS 47P 0743751, 1427399)
Date Analysis Commenced Nov 25, 2025
Condition of Sample Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag

Sample Number	Sampled Date	Sampling Condition		Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)
		Pressure (mm Hg)	Temperature (°C)		
2599073-22	Nov 16 - Nov 17, 2025	757	26.9	0.019	0.013
2599073-23	Nov 17 - Nov 18, 2025	757	26.5	0.019	0.012
2599073-24	Nov 18 - Nov 19, 2025	757	26.4	0.022	0.016
2599073-25	Nov 19 - Nov 20, 2025	757	26.7	0.021	0.014
2599073-26	Nov 20 - Nov 21, 2025	757	25.2	0.038	0.021
2599073-27	Nov 21 - Nov 22, 2025	757	25.9	0.036	0.029
2599073-28	Nov 22 - Nov 23, 2025	757	26.6	0.044	0.032
Guideline	-	-	-	0.33	0.12

Reference Method

Total Suspended Particulate : United States Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008
Particulate Matter (PM-10) : United States Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008

Guideline : Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004

Sampled By : Apichart Wilars

Approved by

Thanita K.

Thanita Kulsurwong
Scientist (4)

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE-4

Lot ID: 2599072
Date Received : Nov 24, 2025
Date Reported : Nov 29, 2025
Report Number: 3461880-1

Page 1 of 1

Sample Description	Air Quality						
Location	ท่าเรือท่าเรืออุตสาหกรรม (A1) (GPS 47P 0744745, 1430105)						
Parameter	Sulfur Dioxide (mg/m3)						
Measurement Date	Nov 16, 2025 - Nov 23, 2025						
Measurement by	Apichart Wilars						
Time	2599072-1 Nov 16, 2025	2599072-2 Nov 17, 2025	2599072-3 Nov 18, 2025	2599072-4 Nov 19, 2025	2599072-5 Nov 20, 2025	2599072-6 Nov 21, 2025	2599072-7 Nov 22, 2025
09:00 AM - 10:00 AM	0.0170	0.0162	0.0162	0.0168	0.0178	0.0175	0.0157
10:00 AM - 11:00 AM	0.0173	0.0157	0.0186	0.0194	0.0170	0.0183	0.0026
11:00 AM - 12:00 PM	0.0175	0.0162	0.0175	0.0188	0.0136	0.0186	0.0025
12:00 PM - 01:00 PM	0.0175	0.0162	0.0170	0.0183	0.0175	0.0183	0.0191
01:00 PM - 02:00 PM	0.0173	0.0168	0.0175	0.0183	0.0178	0.0188	0.0028
02:00 PM - 03:00 PM	0.0165	0.0168	0.0173	0.0178	0.0181	0.0186	0.0196
03:00 PM - 04:00 PM	0.0165	0.0170	0.0175	0.0178	0.0183	0.0186	0.0020
04:00 PM - 05:00 PM	0.0165	0.0168	0.0175	0.0178	0.0199	0.0181	0.0215
05:00 PM - 06:00 PM	0.0162	0.0170	0.0175	0.0186	0.0178	0.0183	0.0175
06:00 PM - 07:00 PM	0.0157	0.0168	0.0165	0.0178	0.0186	0.0178	0.0157
07:00 PM - 08:00 PM	0.0160	0.0162	0.0173	0.0175	0.0186	0.0178	0.0152
08:00 PM - 09:00 PM	0.0160	0.0162	0.0168	0.0183	0.0178	0.0173	0.0152
09:00 PM - 10:00 PM	0.0157	0.0154	0.0162	0.0199	0.0178	0.0173	0.0149
10:00 PM - 11:00 PM	0.0157	0.0149	0.0157	0.0199	0.0175	0.0178	0.0154
11:00 PM - 12:00 AM	0.0157	0.0162	0.0154	0.0191	0.0173	0.0175	0.0149
12:00 AM - 01:00 AM	0.0162	0.0160	0.0160	0.0194	0.0178	0.0178	0.0152
01:00 AM - 02:00 AM	0.0160	0.0160	0.0160	0.0191	0.0175	0.0181	0.0139
02:00 AM - 03:00 AM	0.0160	0.0157	0.0154	0.0181	0.0175	0.0175	0.0126
03:00 AM - 04:00 AM	0.0154	0.0160	0.0160	0.0173	0.0175	0.0165	0.0131
04:00 AM - 05:00 AM	0.0157	0.0160	0.0160	0.0168	0.0178	0.0170	0.0128
05:00 AM - 06:00 AM	0.0160	0.0160	0.0160	0.0165	0.0175	0.0178	0.0141
06:00 AM - 07:00 AM	0.0168	0.0165	0.0165	0.0168	0.0175	0.0170	0.0147
07:00 AM - 08:00 AM	0.0162	0.0165	0.0165	0.0168	0.0173	0.0178	0.0141
08:00 AM - 09:00 AM	0.0157	0.0162	0.0165	0.0178	0.0173	0.0175	0.0147
Average (24 hrs)	0.0163	0.0162	0.0166	0.0181	0.0176	0.0178	0.0159
1hr - Maximum	0.0175	0.0170	0.0186	0.0199	0.0199	0.0188	0.0230
Standard 24 hrs - Average	0.3	0.3	0.3	0.3	0.3	0.3	0.3

Standard : Notification of the National Environment Board No. 10, 1995 (B.E. 2538), No. 24, 2004 (B.E. 2547).
Reference Method : U.S. Environmental Protection Agency, EPA Method Part 53 and 58

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the Laboratory.

Approved by

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE-4

Lot ID: 2599072
Date Received : Nov 24, 2025
Date Reported : Nov 29, 2025
Report Number: 3461881-1

Page 1 of 1

Sample Description	Air Quality						
Location	ท่าเรือท่าเรืออุตสาหกรรม (A2) (GPS 47P 0747072, 1430188)						
Parameter	Sulfur Dioxide (mg/m3)						
Measurement Date	Nov 16, 2025 - Nov 23, 2025						
Measurement by	Apichart Wilars						
Time	2599072-8 Nov 16, 2025	2599072-9 Nov 17, 2025	2599072-10 Nov 18, 2025	2599072-11 Nov 19, 2025	2599072-12 Nov 20, 2025	2599072-13 Nov 21, 2025	2599072-14 Nov 22, 2025
10:00 AM - 11:00 AM	0.0084	0.0097	0.0095	0.0095	0.0102	0.0097	0.0097
11:00 AM - 12:00 PM	0.0083	0.0102	0.0095	0.0096	0.0101	0.0097	0.0095
12:00 PM - 01:00 PM	0.0092	0.0101	0.0095	0.0096	0.0102	0.0098	0.0093
01:00 PM - 02:00 PM	0.0104	0.0102	0.0095	0.0096	0.0102	0.0099	0.0093
02:00 PM - 03:00 PM	0.0103	0.0101	0.0095	0.0096	0.0102	0.0099	0.0093
03:00 PM - 04:00 PM	0.0103	0.0101	0.0095	0.0097	0.0102	0.0100	0.0093
04:00 PM - 05:00 PM	0.0103	0.0100	0.0095	0.0098	0.0101	0.0100	0.0093
05:00 PM - 06:00 PM	0.0101	0.0100	0.0095	0.0099	0.0100	0.0100	0.0092
06:00 PM - 07:00 PM	0.0068	0.0099	0.0095	0.0098	0.0099	0.0098	0.0091
07:00 PM - 08:00 PM	0.0060	0.0098	0.0095	0.0098	0.0100	0.0098	0.0091
08:00 PM - 09:00 PM	0.0060	0.0097	0.0096	0.0098	0.0099	0.0097	0.0091
09:00 PM - 10:00 PM	0.0060	0.0097	0.0096	0.0097	0.0099	0.0097	0.0090
10:00 PM - 11:00 PM	0.0060	0.0097	0.0095	0.0098	0.0099	0.0097	0.0089
11:00 PM - 12:00 AM	0.0060	0.0096	0.0095	0.0098	0.0099	0.0097	0.0089
12:00 AM - 01:00 AM	0.0060	0.0096	0.0095	0.0100	0.0099	0.0098	0.0089
01:00 AM - 02:00 AM	0.0059	0.0096	0.0094	0.0101	0.0098	0.0098	0.0092
02:00 AM - 03:00 AM	0.0059	0.0095	0.0094	0.0101	0.0098	0.0098	0.0092
03:00 AM - 04:00 AM	0.0059	0.0095	0.0094	0.0101	0.0097	0.0098	0.0091
04:00 AM - 05:00 AM	0.0059	0.0095	0.0095	0.0101	0.0097	0.0099	0.0092
05:00 AM - 06:00 AM	0.0060	0.0095	0.0094	0.0102	0.0097	0.0099	0.0093
06:00 AM - 07:00 AM	0.0064	0.0095	0.0095	0.0102	0.0097	0.0099	0.0093
07:00 AM - 08:00 AM	0.0064	0.0094	0.0095	0.0102	0.0097	0.0099	0.0093
08:00 AM - 09:00 AM	0.0066	0.0094	0.0094	0.0102	0.0097	0.0099	0.0093
09:00 AM - 10:00 AM	0.0104	0.0094	0.0094	0.0102	0.0097	0.0098	0.0093
Average (24 hrs)	0.0075	0.0097	0.0095	0.0099	0.0099	0.0098	0.0092
1hr - Maximum	0.0104	0.0102	0.0096	0.0102	0.0102	0.0100	0.0097
Standard 24 hrs - Average	0.3	0.3	0.3	0.3	0.3	0.3	0.3

Standard : Notification of the National Environment Board No. 10, 1995 (B.E. 2538), No. 24, 2004 (B.E. 2547).
Reference Method : U.S. Environmental Protection Agency, EPA Method Part 53 and 58

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE-4

Lot ID: 2599072
Date Received : Nov 24, 2025
Date Reported : Nov 29, 2025
Report Number: 3461882-1

Page 1 of 1

Sample Description	Air Quality						
Location	ท่าเรือท่าเรืออุตสาหกรรม (A3) (GPS 47P 0746150, 1425874)						
Parameter	Sulfur Dioxide (mg/m3)						
Measurement Date	Nov 16, 2025 - Nov 23, 2025						
Measurement by	Apichart Wilars						
Time	2599072-15 Nov 16, 2025	2599072-16 Nov 17, 2025	2599072-17 Nov 18, 2025	2599072-18 Nov 19, 2025	2599072-19 Nov 20, 2025	2599072-20 Nov 21, 2025	2599072-21 Nov 22, 2025
11:00 AM - 12:00 PM	0.0160	0.0123	0.0225	0.0188	0.0157	0.0147	0.0107
12:00 PM - 01:00 PM	0.0152	0.0115	0.0220	0.0188	0.0157	0.0147	0.0113
01:00 PM - 02:00 PM	0.0144	0.0115	0.0220	0.0183	0.0165	0.0144	0.0110
02:00 PM - 03:00 PM	0.0136	0.0107	0.0217	0.0181	0.0152	0.0144	0.0103
03:00 PM - 04:00 PM	0.0139	0.0107	0.0212	0.0178	0.0149	0.0149	0.0105
04:00 PM - 05:00 PM	0.0139	0.0110	0.0215	0.0170	0.0147	0.0139	0.0102
05:00 PM - 06:00 PM	0.0139	0.0110	0.0212	0.0170	0.0147	0.0141	0.0107
06:00 PM - 07:00 PM	0.0141	0.0113	0.0204	0.0170	0.0157	0.0147	0.0110
07:00 PM - 08:00 PM	0.0123	0.0113	0.0207	0.0175	0.0149	0.0141	0.0110
08:00 PM - 09:00 PM	0.0128	0.0113	0.0199	0.0173	0.0141	0.0141	0.0110
09:00 PM - 10:00 PM	0.0131	0.0113	0.0204	0.0162	0.0154	0.0136	0.0113
10:00 PM - 11:00 PM	0.0134	0.0110	0.0199	0.0165	0.0149	0.0139	0.0118
11:00 PM - 12:00 AM	0.0131	0.0110	0.0196	0.0162	0.0149	0.0139	0.0115
12:00 AM - 01:00 AM	0.0131	0.0113	0.0199	0.0168	0.0147	0.0144	0.0110
01:00 AM - 02:00 AM	0.0134	0.0113	0.0199	0.0165	0.0149	0.0139	0.0120
02:00 AM - 03:00 AM	0.0131	0.0110	0.0196	0.0162	0.0147	0.0136	0.0120
03:00 AM - 04:00 AM	0.0126	0.0107	0.0194	0.0168	0.0147	0.0134	0.0118
04:00 AM - 05:00 AM	0.0128	0.0110	0.0191	0.0165	0.0149	0.0139	0.0118
05:00 AM - 06:00 AM	0.0123	0.0105	0.0196	0.0162	0.0149	0.0139	0.0118
06:00 AM - 07:00 AM	0.0128	0.0110	0.0191	0.0168	0.0149	0.0139	0.0120
07:00 AM - 08:00 AM	0.0131	0.0113	0.0194	0.0170	0.0147	0.0139	0.0118
08:00 AM - 09:00 AM	0.0126	0.0183	0.0186	0.0170	0.0141	0.0131	0.0115
09:00 AM - 10:00 AM	0.0134	0.0230	0.0194	0.0170	0.0141	0.0123	0.0113
10:00 AM - 11:00 AM	0.0123	0.0230	0.0194	0.0168	0.0144	0.0110	0.0110
Average (24 hrs)	0.0134	0.0124	0.0203	0.0171	0.0150	0.0139	0.0113
1hr - Maximum	0.0160	0.0230	0.0225	0.0188	0.0165	0.0149	0.0120
Standard 24 hrs - Average	0.3	0.3	0.3	0.3	0.3	0.3	0.3

Standard : Notification of the National Environment Board No. 10, 1995 (B.E. 2538), No. 24, 2004 (B.E. 2547).
Reference Method : U.S. Environmental Protection Agency, EPA Method Part 53 and 58

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the Laboratory.

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##



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phluakdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2598983
Date Received : Nov 24, 2025
Date Reported : Nov 29, 2025
Report Number: 3461876-1

Page 1 of 1

Sample Description	Air Quality
Location	บริเวณพื้นที่โรงงาน (A1) (GPS 47P 0744745, 1430105)
Parameter	Nitrogen dioxide (ppm)
Measurement Date	Nov 16, 2025 - Nov 23, 2025
Measurement by	Apichart Wilars

	2598983-1	2598983-2	2598983-3	2598983-4	2598983-5	2598983-6	2598983-7
Time	Nov 16, 2025	Nov 17, 2025	Nov 18, 2025	Nov 19, 2025	Nov 20, 2025	Nov 21, 2025	Nov 22, 2025
09:00 AM - 10:00 AM	0.0030	0.0046	0.0045	0.0046	0.0050	0.0046	0.0036
10:00 AM - 11:00 AM	0.0033	0.0045	0.0044	0.0054	0.0005	0.0045	0.0027
11:00 AM - 12:00 PM	0.0001	0.0021	0.0078	0.0062	0.0002	0.0051	0.0046
12:00 PM - 01:00 PM	0.0011	0.0024	0.0048	0.0084	0.0048	0.0057	0.0026
01:00 PM - 02:00 PM	0.0017	0.0021	0.0043	0.0069	0.0026	0.0046	0.0016
02:00 PM - 03:00 PM	0.0017	0.0006	0.0070	0.0066	0.0015	0.0051	0.0040
03:00 PM - 04:00 PM	0.0029	0.0011	0.0077	0.0071	0.0012	0.0018	0.0026
04:00 PM - 05:00 PM	0.0075	0.0024	0.0087	0.0074	0.0011	0.0016	0.0021
05:00 PM - 06:00 PM	0.0037	0.0007	0.0086	0.0014	0.0012	0.0034	0.0022
06:00 PM - 07:00 PM	0.0037	0.0012	0.0079	0.0033	0.0105	0.0020	0.0009
07:00 PM - 08:00 PM	0.0102	0.0091	0.0074	0.0034	0.0052	0.0028	0.0018
08:00 PM - 09:00 PM	0.0082	0.0040	0.0056	0.0051	0.0082	0.0031	0.0033
09:00 PM - 10:00 PM	0.0020	0.0023	0.0055	0.0050	0.0066	0.0005	0.0020
10:00 PM - 11:00 PM	0.0056	0.0029	0.0042	0.0027	0.0065	0.0006	0.0023
11:00 PM - 12:00 AM	0.0023	0.0012	0.0045	0.0023	0.0066	0.0042	0.0033
12:00 AM - 01:00 AM	0.0011	0.0013	0.0066	0.0055	0.0065	0.0030	0.0006
01:00 AM - 02:00 AM	0.0030	0.0022	0.0060	0.0030	0.0077	0.0041	0.0004
02:00 AM - 03:00 AM	0.0031	0.0011	0.0051	0.0028	0.0076	0.0015	0.0020
03:00 AM - 04:00 AM	0.0025	0.0006	0.0067	0.0013	0.0090	0.0005	0.0020
04:00 AM - 05:00 AM	0.0029	0.0001	0.0070	0.0001	0.0071	0.0024	0.0032
05:00 AM - 06:00 PM	0.0005	0.0052	0.0058	0.0002	0.0064	0.0024	0.0037
06:00 AM - 07:00 AM	0.0005	0.0071	0.0004	0.0020	0.0060	0.0002	0.0009
07:00 AM - 08:00 AM	0.0039	0.0077	0.0029	0.0027	0.0054	0.0004	0.0007
08:00 AM - 09:00 AM	0.0047	0.0058	0.0030	0.0035	0.0051	0.0026	0.0010
Average	0.0033	0.0030	0.0057	0.0040	0.0051	0.0028	0.0023
1hr - Maximum	0.0102	0.0091	0.0087	0.0084	0.0105	0.0057	0.0046
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).
Reference Method : U.S. Environmental Protection Agency Method Part 50 App. F (Chemiluminescence)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phluakdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2598983
Date Received : Nov 24, 2025
Date Reported : Nov 29, 2025
Report Number: 3461878-1

Page 1 of 1

Sample Description	Air Quality
Location	บริเวณพื้นที่โรงงาน (A3) (GPS 47P 0746150, 1425874)
Parameter	Nitrogen dioxide (ppm)
Measurement Date	Nov 16, 2025 - Nov 23, 2025
Measurement by	Apichart Wilars

	2598983-15	2598983-16	2598983-17	2598983-18	2598983-19	2598983-20	2598983-21
Time	Nov 16, 2025	Nov 17, 2025	Nov 18, 2025	Nov 19, 2025	Nov 20, 2025	Nov 21, 2025	Nov 22, 2025
11:00 AM - 12:00 PM	0.0057	0.0032	0.0027	0.0011	0.0020	0.0020	0.0011
12:00 PM - 01:00 PM	0.0057	0.0052	0.0021	0.0010	0.0018	0.0015	0.0011
01:00 PM - 02:00 PM	0.0043	0.0066	0.0018	0.0011	0.0014	0.0014	0.0013
02:00 PM - 03:00 PM	0.0032	0.0083	0.0019	0.0010	0.0016	0.0013	0.0013
03:00 PM - 04:00 PM	0.0036	0.0015	0.0015	0.0009	0.0014	0.0013	0.0013
04:00 PM - 05:00 PM	0.0053	0.0053	0.0014	0.0009	0.0012	0.0010	0.0014
05:00 PM - 06:00 PM	0.0054	0.0012	0.0014	0.0009	0.0012	0.0019	0.0012
06:00 PM - 07:00 PM	0.0067	0.0010	0.0014	0.0010	0.0011	0.0044	0.0015
07:00 PM - 08:00 PM	0.0095	0.0012	0.0014	0.0011	0.0014	0.0036	0.0030
08:00 PM - 09:00 PM	0.0113	0.0017	0.0015	0.0014	0.0020	0.0046	0.0034
09:00 PM - 10:00 PM	0.0139	0.0037	0.0023	0.0017	0.0018	0.0027	0.0018
10:00 PM - 11:00 PM	0.0061	0.0040	0.0022	0.0020	0.0027	0.0018	0.0024
11:00 PM - 12:00 AM	0.0053	0.0108	0.0017	0.0026	0.0027	0.0015	0.0022
12:00 AM - 01:00 AM	0.0090	0.0098	0.0017	0.0021	0.0032	0.0014	0.0020
01:00 AM - 02:00 AM	0.0086	0.0035	0.0016	0.0022	0.0162	0.0016	0.0016
02:00 AM - 03:00 AM	0.0089	0.0016	0.0016	0.0026	0.0104	0.0015	0.0014
03:00 AM - 04:00 AM	0.0103	0.0013	0.0014	0.0033	0.0029	0.0012	0.0012
04:00 AM - 05:00 AM	0.0050	0.0015	0.0013	0.0010	0.0040	0.0011	0.0011
05:00 AM - 06:00 AM	0.0043	0.0013	0.0011	0.0047	0.0022	0.0011	0.0063
06:00 AM - 07:00 AM	0.0035	0.0013	0.0012	0.0009	0.0020	0.0010	0.0017
07:00 AM - 08:00 AM	0.0030	0.0018	0.0011	0.0065	0.0018	0.0010	0.0013
08:00 AM - 09:00 AM	0.0042	0.0019	0.0011	0.0101	0.0018	0.0011	0.0012
09:00 AM - 10:00 AM	0.0045	0.0027	0.0011	0.0132	0.0025	0.0011	0.0019
10:00 AM - 11:00 AM	0.0054	0.0021	0.0011	0.0054	0.0030	0.0012	0.0017
Average	0.0064	0.0033	0.0016	0.0033	0.0029	0.0018	0.0019
1hr - Maximum	0.0139	0.0108	0.0027	0.0132	0.0162	0.0046	0.0063
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).
Reference Method : U.S. Environmental Protection Agency Method Part 50 App. F (Chemiluminescence)

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phluakdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2598983
Date Received : Nov 24, 2025
Date Reported : Nov 29, 2025
Report Number: 3461877-1

Page 1 of 1

Sample Description	Air Quality
Location	ภายใน 2 บริเวณโรงงาน (A2) (GPS 47P 0747072, 1430188)
Parameter	Nitrogen dioxide (ppm)
Measurement Date	Nov 16, 2025 - Nov 23, 2025
Measurement by	Apichart Wilars

	2598983-8	2598983-9	2598983-10	2598983-11	2598983-12	2598983-13	2598983-14
Time	Nov 16, 2025	Nov 17, 2025	Nov 18, 2025	Nov 19, 2025	Nov 20, 2025	Nov 21, 2025	Nov 22, 2025
10:00 AM - 11:00 AM	0.0050	0.0084	0.0043	0.0050	0.0043	0.0053	0.0064
11:00 AM - 12:00 PM	0.0053	0.0055	0.0050	0.0051	0.0044	0.0055	0.0059
12:00 PM - 01:00 PM	0.0048	0.0047	0.0044	0.0055	0.0043	0.0056	0.0065
01:00 PM - 02:00 PM	0.0050	0.0061	0.0048	0.0050	0.0048	0.0066	0.0071
02:00 PM - 03:00 PM	0.0052	0.0057	0.0047	0.0053	0.0049	0.0094	0.0069
03:00 PM - 04:00 PM	0.0057	0.0050	0.0044	0.0044	0.0034	0.0056	0.0070
04:00 PM - 05:00 PM	0.0051	0.0032	0.0060	0.0064	0.0067	0.0081	0.0075
05:00 PM - 06:00 PM	0.0048	0.0029	0.0042	0.0113	0.0110	0.0117	0.0082
06:00 PM - 07:00 PM	0.0050	0.0039	0.0062	0.0061	0.0075	0.0073	0.0102
07:00 PM - 08:00 PM	0.0050	0.0038	0.0047	0.0050	0.0076	0.0068	0.0116
08:00 PM - 09:00 PM	0.0046	0.0055	0.0047	0.0046	0.0080	0.0064	0.0123
09:00 PM - 10:00 PM	0.0042	0.0047	0.0038	0.0038	0.0065	0.0058	0.0119
10:00 PM - 11:00 PM	0.0036	0.0060	0.0044	0.0034	0.0056	0.0058	0.0093
11:00 PM - 12:00 AM	0.0034	0.0061	0.0056	0.0036	0.0053	0.0059	0.0080
12:00 AM - 01:00 AM	0.0027	0.0056	0.0053	0.0038	0.0051	0.0060	0.0071
01:00 AM - 02:00 AM	0.0063	0.0051	0.0046	0.0037	0.0053	0.0062	0.0067
02:00 AM - 03:00 AM	0.0060	0.0038	0.0042	0.0035	0.0051	0.0060	0.0063
03:00 AM - 04:00 AM	0.0057	0.0022	0.0045	0.0035	0.0048	0.0063	0.0064
04:00 AM - 05:00 AM	0.0057	0.0021	0.0047	0.0031	0.0054	0.0060	0.0065
05:00 AM - 06:00 PM	0.0056	0.0024	0.0049	0.0032	0.0049	0.0056	0.0075
06:00 AM - 07:00 AM	0.0056	0.0040	0.0053	0.0035	0.0051	0.0065	0.0069
07:00 AM - 08:00 AM	0.0067	0.0037	0.0056	0.0041	0.0065	0.0069	0.0033
08:00 AM - 09:00 AM	0.0064	0.0045	0.0067	0.0056	0.0075	0.0066	0.0019
09:00 AM - 10:00 AM	0.0095	<0.0001	0.0050	0.0042	0.0054	0.0061	0.0019
Average	0.0053	0.0044	0.0049	0.0048	0.0059	0.0066	0.0072
1hr - Maximum	0.0095	0.0084	0.0067	0.0113	0.0110	0.0117	0.0123
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).
Reference Method : U.S. Environmental Protection Agency Method Part 50 App. F (Chemiluminescence)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Tanyatorn Mongkornjarvit
Supervisor

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S:\Reports_Air SoInOx.rpt (2:27PM)



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phluakdaeng, Rayong Thailand 21140

Lot ID: 2599074
Date Received :Nov 24, 2025
Date Reported :Dec 01, 2025
Report Number :3435718-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 2

Sample Number : 2599074-1 to 7
Parameter : Wind Speed / Wind Direction
Location : บ้านดอนทรายนาเกลือ (A1) (GPS 47P 0744745, 1430105)
Sampling Date : Nov 16 - Nov 23, 2025
Sampling by : Apichart Wilars

Time	Nov 16 - Nov 17, 2025		Nov 17 - Nov 18, 2025		Nov 18 - Nov 19, 2025		Nov 19 - Nov 20, 2025		Nov 20 - Nov 21, 2025		Nov 21 - Nov 22, 2025		Nov 22 - Nov 23, 2025								
	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)							
09:00 AM - 10:00 AM	0.2	-	0.4	84.0	E	1.4	90.0	E	0.8	156.0	SSE	2.1	33.0	NNE	1.0	N	0.2	-			
10:00 AM - 11:00 AM	0.5	358.0	N	0.6	51.0	NE	0.0	-	0.9	45.0	NE	0.1	-	0.2	-	2.8	11.0	N			
11:00 AM - 12:00 PM	1.3	15.0	NNE	0.2	-	1.0	27.0	NNE	1.0	108.0	ESE	2.3	359.0	N	0.9	10.0	N	0.8	333.0	NNW	
12:00 PM - 01:00 PM	0.8	38.0	NE	0.4	114.0	ESE	0.6	11.0	N	0.8	339.0	N	0.7	64.0	ENE	1.0	15.0	NNE	0.2	-	
01:00 PM - 02:00 PM	0.5	55.0	NE	0.5	359.0	N	0.0	-	0.9	112.0	ESE	0.6	24.0	NNE	0.8	28.0	NNE	0.1	-	-	
02:00 PM - 03:00 PM	0.6	7.0	N	0.3	53.0	NE	0.0	-	1.6	135.0	SE	0.4	57.0	ENE	1.5	6.0	N	0.2	-	-	
03:00 PM - 04:00 PM	0.0	-	0.9	151.0	SSE	0.0	-	0.7	87.0	E	1.2	358.0	N	0.1	-	-	0.8	25.0	NNE	-	
04:00 PM - 05:00 PM	0.2	-	0.2	-	0.0	-	0.5	118.0	ESE	1.1	14.0	NNE	0.8	68.0	ENE	1.4	14.0	NNE	-	-	
05:00 PM - 06:00 PM	0.4	155.0	SSE	0.0	-	0.1	-	0.3	34.0	NE	0.3	40.0	NE	0.4	36.0	NE	0.2	-	-	-	
06:00 PM - 07:00 PM	0.5	249.0	WSW	0.1	-	0.8	8.0	N	0.4	86.0	E	0.4	33.0	NNE	1.0	26.0	NNE	0.2	-	-	
07:00 PM - 08:00 PM	1.0	71.0	ENE	0.6	4.0	N	0.0	-	0.4	132.0	SE	1.4	11.0	N	0.6	27.0	W	0.0	-	-	
08:00 PM - 09:00 PM	0.5	278.0	W	0.1	-	0.0	-	0.0	-	0.9	359.0	N	1.7	21.0	NNE	0.5	19.0	NNE	-	-	
09:00 PM - 10:00 PM	0.1	-	0.4	9.0	N	0.0	-	1.3	50.0	NE	0.8	8.0	N	1.7	13.0	NNE	0.2	-	-	-	
10:00 PM - 11:00 PM	0.0	-	1.0	13.0	NNE	1.6	21.0	NNE	0.6	69.0	ENE	0.2	-	0.5	15.0	NNE	0.4	0.0	N	-	
11:00 PM - 12:00 AM	0.3	85.0	E	0.5	18.0	NNE	0.0	-	1.4	33.0	NNE	0.0	-	0.3	2.0	N	0.0	-	-	-	
12:00 AM - 01:00 AM	0.7	178.0	S	0.3	295.0	NNW	0.4	213.0	SSW	1.5	16.0	NNE	0.0	-	1.2	22.0	NNE	0.1	-	-	
01:00 AM - 02:00 AM	0.3	35.0	NE	0.2	-	0.7	58.0	ENE	0.9	3.0	N	0.6	31.0	NNE	0.1	-	0.4	306.0	NN	-	
02:00 AM - 03:00 AM	0.7	49.0	NE	1.0	21.0	NNE	0.7	154.0	SSE	1.6	25.0	NNE	0.5	18.0	NNE	0.5	17.0	NNE	0.8	340.0	NNW
03:00 AM - 04:00 AM	0.0	-	0.2	-	1.2	14.0	NNE	0.9	91.0	E	0.2	-	1.2	8.0	N	0.2	-	-	-	-	
04:00 AM - 05:00 AM	0.0	-	0.8	7.0	N	0.0	-	1.2	16.0	NNE	0.7	26.0	NNE	0.3	12.0	NNE	0.4	357.0	N	-	
05:00 AM - 06:00 AM	0.0	-	1.2	11.0	N	0.1	-	0.5	67.0	ENE	1.4	15.0	NNE	0.9	165.0	SE	1.9	140.0	SE	-	
06:00 AM - 07:00 AM	0.0	-	2.4	0.0	N	0.1	-	0.8	310.0	NNW	0.7	91.0	E	2.6	20.0	NNE	3.3	329.0	NNW	-	
07:00 AM - 08:00 AM	0.2	-	0.0	-	0.3	230.0	SW	0.8	88.0	E	2.0	29.0	NNE	1.1	9.0	N	0.3	1.0	N	-	
08:00 AM - 09:00 AM	0.0	-	0.2	-	1.8	4.0	N	1.8	25.0	NNE	1.1	6.0	N	1.6	17.0	NNE	0.6	355.0	N	-	

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory, ALS Laboratory Group (Thailand) along with recommendation that this report is not reproduced except in full.

Approved by

Sarayuht Jitrarant

Assistant General Manager

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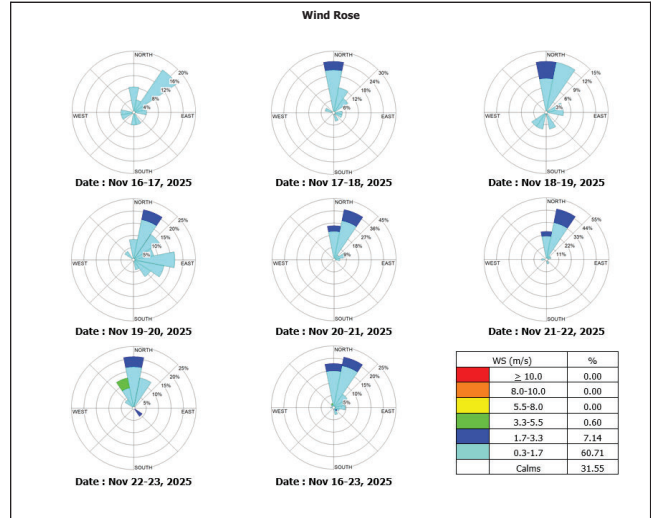
Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phluakdaeng, Rayong Thailand 21140

Lot ID: 2599074
Date Received :Nov 24, 2025
Date Reported :Dec 01, 2025
Report Number :3435718-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 2



Location : บ้านดอนทรายนาเกลือ (A1) (GPS 47P 0744745, 1430105)

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Analysis / Test Report

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121 Moo 3, Tambol Maenamkoo, Amphur Phluakdaeng, Rayong Thailand 21140

Lot ID: 2599074
Date Received :Nov 24, 2025
Date Reported :Dec 01, 2025
Report Number :3435718-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 2

Sample Number : 2599074-8 to 14
Parameter : Wind Speed / Wind Direction
Location : หมู่ที่ 2 บ้านดอนทรายนาเกลือ (A2) (GPS 47P 0747072, 1430188)
Sampling Date : Nov 16 - Nov 23, 2025
Sampling by : Apichart Wilars

Time	Nov 16 - Nov 17, 2025		Nov 17 - Nov 18, 2025		Nov 18 - Nov 19, 2025		Nov 19 - Nov 20, 2025		Nov 20 - Nov 21, 2025		Nov 21 - Nov 22, 2025		Nov 22 - Nov 23, 2025								
	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)							
10:00 AM - 11:00 AM	1.0	90.0	E	1.3	218.0	SW	2.6	105.0	ESE	1.3	222.0	SW	1.4	134.0	SE	0.9	281.0	W	0.0	-	
11:00 AM - 12:00 PM	1.1	333.0	NNW	2.1	150.0	SSE	0.0	-	0.7	134.0	SE	2.1	201.0	SSW	2.8	159.0	SE	1.1	191.0	S	
12:00 PM - 01:00 PM	1.8	10.0	N	2.1	347.0	NNW	0.8	228.0	SW	0.8	189.0	S	0.8	228.0	SW	0.9	175.0	S	2.6	136.0	
01:00 PM - 02:00 PM	0.2	-	-	1.9	77.0	ENE	2.0	350.0	N	2.7	18.0	NNE	5.1	346.0	NNW	1.5	368.0	N	1.7	151.0	SE
02:00 PM - 03:00 PM	0.6	180.0	S	2.1	82.0	E	0.8	343.0	NNW	1.2	138.0	SE	2.1	211.0	SSW	1.5	370.0	NW	0.4	126.0	SE
03:00 PM - 04:00 PM	2.0	124.0	SE	1.9	309.0	NNW	1.8	226.0	SW	0.3	119.0	ESE	1.5	200.0	SSW	0.7	3.0	N	0.1	-	-
04:00 PM - 05:00 PM	1.8	218.0	SW	3.6	61.0	ENE	2.6	95.0	E	1.1	57.0	ENE	2.4	175.0	E	0.7	359.0	N	0.9	105.0	ESE
05:00 PM - 06:00 PM	1.0	298.0	WSW	0.4	103.0	ESE	0.0	-	1.0	156.0	SSE	5.0	357.0	N	1.2	184.0	S	1.2	127.0	SE	
06:00 PM - 07:00 PM	1.5	112.0	ESE	0.9	350.0	N	1.7	13.0	NNE	1.2	324.0	NNW	4.5	352.0	N	0.9	123.0	ESE	-	-	-
07:00 PM - 08:00 PM	1.5	118.0	ESE	2.0	333.0	NNW	2.2	26.0	ENE	1.3	222.0	SW	3.0	346.0	NNW	0.0	-	-	1.1	49.0	NE
08:00 PM - 09:00 PM	0.9	186.0	S	1.1	359.0	N	0.9	148.0	SSE	2.4	157.0	SSE	3.6	357.0	N	1.2	340.0	NNW	2.3	349.0	N
09:00 PM - 10:00 PM	0.6	56.0	NE	0.7	258.0	N	0.0	-	1.4	195.0	SSW	1.2	329.0	WSW	0.5	217.0	SW	0.8	118.0	S	
10:00 PM - 11:00 PM	1.0	157.0	SSE	4.7	359.0	N	1.4	317.0	NNW	1.4	137.0	SE	2.9	356.0	E	0.7	345.0	NNW	-	-	-
11:00 PM - 12:00 AM	0.2	-	-	0.8	250.0	WSW	1.8	355.0	N	1.5	144.0	SE	0.0	-	-	1.9	1.0	N	2.6	357.0	N
12:00 AM - 01:00 AM	0.9	359.0	N	1.4	0.0	N	4.0	59.0	ENE	1.5	345.0	NNW	1.2	101.0	E	1.1	329.0	NNW	0.7	167.0	SE
01:00 AM - 02:00 AM	0.9	91.0	E	2.5	349.0	N	1.6	87.0	E	1.1	174.0	S	1.5	283.0	NNW	2.5	343.0	NNW	2.5	359.0	N
02:00 AM - 03:00 AM	2.9	112.0	ESE	0.9	340.0	NNW	0.0	-	2.5	162.0	SSE	1.2	105.0	ESE	1.1	359.0	N	1.0	124.0	NW	
03:00 AM - 04:00 AM	1.1	306.0	NW	1.4	354.0	N	2.1	71.0	ENE	3.5	323.0	NNW	4.8	357.0	N	2.6	336.0	NNW	1.9	359.0	N
04:00 AM - 05:00 AM	0.2	-	-	2.6	351.0	N	1.3	256.0	WSW	2.9	181.0	S	3.3	352.0	N	1.9	359.0	N	1.4	332.0	NNW
05:00 AM - 06:00 AM	2.0	359.0	N	0.7	247.0	WSW	0.5	359.0	N	3.5	359.0	N	4.0	355.0	N	4.5	359.0	N	2.6	356.0	N
06:00 AM - 07:00 AM	1.7	354.0	N	2.1	352.0	N	1.2	107.0	ENE	1.1	179.0	S	3.8	359.0	N	2.3	3.0	N	3.7	347.0	NNW
07:00 AM - 08:00 AM	0.4	160.0	SSE	0.3	164.0	SSE	1.3	177.0	S	1.7	121.0	ESE	2.0	185.0	S	2.6	359.0	N	2.8	335.0	NNW
08:00 AM - 09:00 AM	0.2	-	-	1.1	176.0	S	2.0	69.0	ENE	1.9	71.0	ENE	2.7	13.0	NNE	0.0	-	-	0.5	346.0	NNW
09:00 AM - 10:00 AM	3.4	42.0	NE	0.4	217.0	SW	1.7	180.0	S	2.3	71.0	ENE	3.3	350.0	N	0.2	-	-	1.1	131.0	N

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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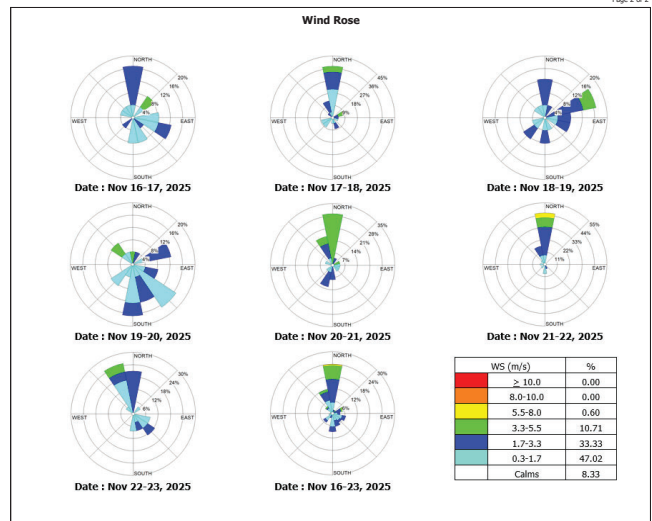
Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phluakdaeng, Rayong Thailand 21140

Lot ID: 2599074
Date Received :Nov 24, 2025
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Report Number :3435718-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 2



Location : หมู่ที่ 2 บ้านดอนทรายนาเกลือ (A2) (GPS 47P 0747072, 1430188)

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Lot ID: 2599074
Date Received :Nov 24, 2025
Date Reported :Dec 01, 2025
Report Number :3435718-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 2

Sample Number : 2599074-15 to 21
Parameter : Wind Speed / Wind Direction
Location : หมู่ที่ 1 ตำบลแม่นามกู่ (A3) (GPS 47P 0746150, 1425874)
Sampling Date : Nov 16 - Nov 23, 2025
Sampling by : Apichart Wilars

Time	Nov 16 - Nov 17, 2025		Nov 17 - Nov 18, 2025		Nov 18 - Nov 19, 2025		Nov 19 - Nov 20, 2025		Nov 20 - Nov 21, 2025		Nov 21 - Nov 22, 2025		Nov 22 - Nov 23, 2025								
	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)							
11:00 AM - 12:00 PM	2.3	32.0	NNE	1.0	16.0	NNE	1.5	13.0	NNE	2.1	33.0	NNE	3.1	8.0	N	4.4	22.0	NNE	0.9	335.0	NNW
12:00 PM - 01:00 PM	2.9	30.0	NNE	2.7	49.0	NE	2.3	32.0	NNE	2.0	31.0	ENE	1.0	87.0	E	3.2	355.0	N	1.8	12.0	NNE
01:00 PM - 02:00 PM	3.6	27.0	NNE	1.8	102.0	ESE	1.2	45.0	NE	0.8	68.0	ENE	1.0	78.0	ENE	0.3	48.0	NE	0.8	63.0	ENE
02:00 PM - 03:00 PM	3.0	359.0	N	0.6	40.0	NE	1.8	103.0	ESE	1.6	84.0	E	3.2	132.0	SE	1.5	111.0	ESE	0.3	21.0	NNE
03:00 PM - 04:00 PM	2.8	56.0	NE	1.0	13.0	NNE	0.4	114.0	ESE	1.6	30.0	NNE	1.8	209.0	SSW	4.5	160.0	SSW	0.6	51.0	NE
04:00 PM - 05:00 PM	1.9	33.0	NNE	2.9	172.0	S	3.4	104.0	ESE	1.4	130.0	SE	3.6	193.0	SSW	4.0	191.0	S	5.2	151.0	S
05:00 PM - 06:00 PM	1.2	341.0	NNW	2.8	194.0	SSW	4.1	111.0	ESE	4.5	172.0	S	5.3	231.0	SW	3.9	203.0	SSW	2.4	224.0	SW
06:00 PM - 07:00 PM	1.2	60.0	ENE	1.6	204.0	SSW	1.5	110.0	ESE	2.6	219.0	SW	4.4	189.0	S	2.1	189.0	S	3.1	207.0	SSW
07:00 PM - 08:00 PM	1.4	399.0	N	0.3	163.0	SSE	3.3	103.0	ESE	1.5	170.0	S	2.3	188.0	S	2.8	220.0	SW	1.4	176.0	S
08:00 PM - 09:00 PM	1.5	10.0	N	0.6	179.0	S	0.6	91.0	E	0.7	112.0	ESE	2.3	179.0	S	0.5	117.0	ESE	0.3	330.0	NNW
09:00 PM - 10:00 PM	1.4	18.0	NNE	0.9	63.0	ENE	1.4	42.0	NE	2.2	104.0	ESE	0.8	204.0	SSW	0.3	138.0	SE	0.8	289.0	WNW
10:00 PM - 11:00 PM	0.3	305.0	NNW	2.0	99.0	E	1.6	92.0	E	1.5	127.0	SE	0.6	209.0	SSW	0.3	116.0	ESE	0.3	281.0	W
11:00 PM - 12:00 AM	2.2	99.0	ENE	2.8	7.0	N	1.7	49.0	NE	0.3	117.0	ESE	0.5	209.0	SSW	1.6	30.0	NNE	0.5	81.0	E
12:00 AM - 01:00 AM	2.0	49.0	NE	1.2	346.0	NNW	1.8	93.0	E	0.5	91.0	E	0.5	23.0	NNE	0.8	333.0	NNW	0.3	54.0	NE
01:00 AM - 02:00 AM	1.2	14.0	NNE	0.6	22.0	NNE	2.1	65.0	ENE	1.2	0.0	N	0.6	326.0	NNW	1.7	42.0	NE	0.3	12.0	NNE
02:00 AM - 03:00 AM	0.6	39.0	NE	5.6	31.0	NNE	1.3	26.0	NNE	0.8	74.0	ENE	0.6	334.0	NNW	0.8	36.0	NE	0.8	0.0	N
03:00 AM - 04:00 AM	1.9	31.0	NNE	1.4	67.0	ENE	2.8	39.0	NE	1.1	11.0	N	3.9	359.0	N	1.6	2.0	N	1.8	359.0	N
04:00 AM - 05:00 AM	0.3	17.0	NNE	1.1	0.0	N	1.8	11.0	N	0.6	81.0	E	1.5	47.0	NE	3.5	0.0	N	1.7	16.0	NNE
05:00 AM - 06:00 AM	0.3	69.0	ENE	1.4	40.0	NE	2.2	48.0	NE	1.7	346.0	NNW	0.3	15.0	NNE	1.6	0.0	N	1.3	51.0	NE
06:00 AM - 07:00 AM	6.1	16.0	NNE	0.7	60.0	ENE	1.4	359.0	N	0.3	13.0	NNE	0.4	31.0	NNE	2.9	32.0	NNE	0.8	21.0	NNE
07:00 AM - 08:00 AM	1.0	309.0	NNW	1.3	85.0	E	1.1	30.0	NNE	0.7	14.0	NNE	0.4	19.0	NNE	2.9	11.0	N	0.6	0.0	N
08:00 AM - 09:00 AM	1.4	342.0	NNW	0.9	65.0	ENE	0.9	76.0	ENE	3.8	35.0	NE	1.5	47.0	NE	2.2	41.0	NE	0.9	340.0	NNW
09:00 AM - 10:00 AM	1.5	14.0	NNE	2.0	67.0	ENE	5.4	25.0	NNE	1.1	87.0	E	1.6	28.0	NNE	4.5	0.0	N	1.0	0.0	N
10:00 AM - 11:00 AM	1.7	359.0	N	1.3	8.0	N	2.3	62.0	ENE	0.7	46.0	NE	1.8	28.0	NNE	3.3	26.0	NNE	2.6	26.0	NNE

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory, ALS Laboratory Group (Thailand) along with recommendations that this report is not reproduced except in full.

Approved by

Sarayuht Jitranont

Assistant General Manager

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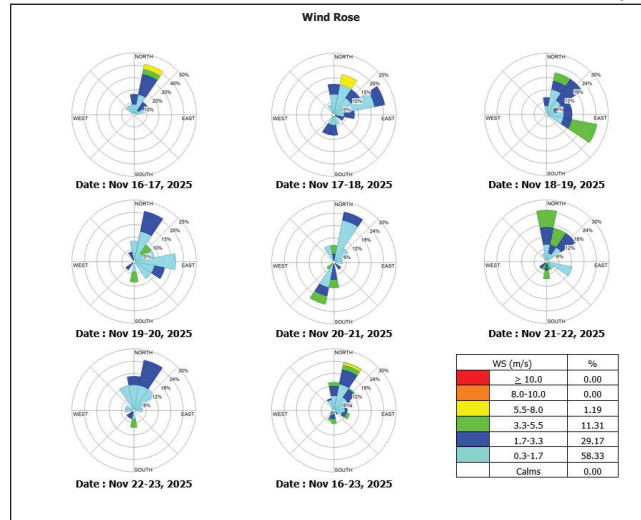
Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phluakdaeng, Rayong Thailand 21140

Lot ID: 2599074
Date Received :Nov 24, 2025
Date Reported :Dec 01, 2025
Report Number :3435718-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 2



Location : หมู่ที่ 1 ตำบลแม่นามกู่ (A3) (GPS 47P 0746150, 1425874)

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory, ALS Laboratory Group (Thailand) along with recommendations that this report is not reproduced except in full.

Approved by

Sarayuht Jitranont

Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phluakdaeng, Rayong Thailand 21140

Lot ID: 2599074
Date Received :Nov 24, 2025
Date Reported :Dec 01, 2025
Report Number :3435718-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 2

Sample Number : 2599074-22 to 28
Parameter : Wind Speed / Wind Direction
Location : หมู่ที่ 4 (A4) (GPS 47P 0743751, 1427399)
Sampling Date : Nov 16 - Nov 23, 2025
Sampling by : Apichart Wilars

Time	Nov 16 - Nov 17, 2025		Nov 17 - Nov 18, 2025		Nov 18 - Nov 19, 2025		Nov 19 - Nov 20, 2025		Nov 20 - Nov 21, 2025		Nov 21 - Nov 22, 2025		Nov 22 - Nov 23, 2025										
	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)									
12:00 PM - 01:00 PM	1.7	359.0	N	0.7	336.0	NNW	0.0	-	3.3	45.0	NE	2.9	317.0	NW	1.6	40.0	NE	2.6	316.0	NW			
01:00 PM - 02:00 PM	0.3	357.0	N	2.2	313.0	NW	0.5	318.0	NW	2.3	45.0	NE	1.3	351.0	N	1.3	309.0	NW	2.7	342.0	NNW		
02:00 PM - 03:00 PM	1.9	8.0	N	0.0	-	0.0	-	6.0	22.0	NNE	1.0	328.0	NNW	1.3	312.0	NW	1.3	308.0	NW	-	-	-	
03:00 PM - 04:00 PM	1.4	36.0	NE	0.7	46.0	NE	3.0	19.0	NNE	2.3	0.0	N	2.3	334.0	NNW	1.0	354.0	N	2.2	313.0	NW		
04:00 PM - 05:00 PM	2.1	359.0	N	0.0	-	1.8	14.0	NNE	1.6	54.0	NE	2.3	15.0	NNE	2.8	36.0	NE	1.1	20.0	N			
05:00 PM - 06:00 PM	0.0	-	0.0	-	0.0	-	1.1	323.0	NNW	1.3	313.0	NW	1.4	346.0	NNW	0.4	20.0	NNE	-	-	-		
06:00 PM - 07:00 PM	2.9	359.0	N	0.0	-	0.0	-	0.3	359.0	N	0.3	322.0	NNW	2.5	315.0	NW	0.0	-	-	-	-	-	
07:00 PM - 08:00 PM	0.6	2.0	N	0.0	-	0.8	287.0	WNW	2.1	344.0	NNW	1.4	330.0	NNW	1.1	339.0	NNW	0.0	-	-	-	-	
08:00 PM - 09:00 PM	3.0	47.0	NE	1.0	315.0	NW	0.0	-	2.4	50.0	NE	2.4	317.0	NW	0.8	36.0	NE	1.3	315.0	NW			
09:00 PM - 10:00 PM	3.7	344.0	NNW	1.5	322.0	NW	1.3	15.0	NNE	1.6	0.0	N	1.3	309.0	NW	0.9	300.0	WNW	0.0	-	-		
10:00 PM - 11:00 PM	1.5	351.0	N	1.5	17.0	NNE	0.0	-	4.1	359.0	N	2.1	12.0	NNE	1.1	32.0	NNE	0.0	-	-	-	-	
11:00 PM - 12:00 AM	0.0	-	0.0	-	1.0	359.0	N	0.1	-	1.2	20.0	NNE	1.3	308.0	NW	0.0	-	-	-	-	-	-	
12:00 AM - 01:00 AM	0.0	-	0.0	-	0.0	-	1.3	354.0	N	0.0	-	0.2	-	-	-	-	-	-	-	-	-	-	
01:00 AM - 02:00 AM	0.0	-	0.3	335.0	NNW	0.8	0.0	N	1.6	320.0	NNW	0.9	27.0	NNE	0.0	-	-	-	-	-	-	-	
02:00 AM - 03:00 AM	0.8	321.0	NNW	0.3	354.0	N	1.8	37.0	NE	0.7	349.0	N	1.0	338.0	NNW	0.0	-	-	-	-	-	-	
03:00 AM - 04:00 AM	1.5	322.0	NNW	0.0	-	0.9	52.0	NE	1.1	345.0	NNW	1.2	318.0	NW	1.1	301.0	WNW	1.0	304.0	NW	-	-	-
04:00 AM - 05:00 AM	1.9	351.0	N	0.7	306.0	NW	2.1	326.0	NW	2.1	60.0	ENE	2.2	294.0	WNW	0.0	-	-	-	-	-	-	
05:00 AM - 06:00 AM	1.0	340.0	NNW	2.5	335.0	NNW	0.0	-	0.8	30.0	NNE	1.6	28.0	NNE	0.4	329.0	NNW	0.0	-	-	-	-	
06:00 AM - 07:00 AM	0.0	-	1.2	310.0	NW	0.0	-	1.9	343.0	NNW	1.8	5.0	N	2.2	299.0	WNW	0.0	-	-	-	-	-	
07:00 AM - 08:00 AM	1.4	313.0	NW	0.7	333.0	NNW	2.1	16.0	NNE	1.6	329.0	NNW	2.5	0.0	N	1.0	290.0	WNW	1.9	307.0	NW		
08:00 AM - 09:00 AM	1.1	26.0	NNE	0.0	-	1.2	338.0	NNW	0.4	312.0	NW	3.6	345.0	NNW	2.3	323.0	NW	0.0	-	-	-	-	
09:00 AM - 10:00 AM	1.5	42.0	NE	1.1	342.0	NNW	0.0	-	1.3	6.0	N	1.7	236.0	SW	0.9	56.0	NE	1.7	317.0	NW			
10:00 AM - 11:00 AM	1.9	31.0	NNE	3.2	67.0	ENE	3.3	28.0	NNE	2.9	27.0	NNE	0.5	0.0	N	2.3	258.0	WSW	0.9	357.0	N		
11:00 AM - 12:00 PM	1.6	36.0	NE	2.0	1.0	N	0.0	-	2.7	293.0	WNW	1.9	315.0	NW	2.0	20.0	NNE	0.6	315.0	NW			

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuht Jitranont

Assistant

ภาคผนวก ค-3

ผลการตรวจวัดระดับเสียงทั่วไป (ระยะก่อสร้าง)

ระดับเสียงโดยทั่วไป 24 ชั่วโมง (Leq 24 hrs.)



Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599243
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 3461267-1

Page 1 of 1

Sample Number	2599243-1		
Parameter	Noise (Leq 24 hrs.)		
Location	บริเวณพื้นที่ภาคใต้ของโครงการ (N1) (GPS 47P 0745579, 1426753)		
Measurement Date	Nov 16 - Nov 17, 2025		
Measurement by	Apichart Wilars		
Sound Level meter	Serial No. 531298		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	56.8	85.5	44.5
11:00 AM - 12:00 PM	59.4	86.4	46.7
12:00 PM - 01:00 PM	49.6	75.4	45.4
01:00 PM - 02:00 PM	49.0	69.3	45.8
02:00 PM - 03:00 PM	48.3	77.1	45.2
03:00 PM - 04:00 PM	52.7	86.8	45.8
04:00 PM - 05:00 PM	49.9	71.6	46.2
05:00 PM - 06:00 PM	49.8	68.1	46.5
06:00 PM - 07:00 PM	51.4	69.1	49.0
07:00 PM - 08:00 PM	50.3	69.7	48.4
08:00 PM - 09:00 PM	49.6	72.5	48.0
09:00 PM - 10:00 PM	48.0	64.9	46.6
10:00 PM - 11:00 PM	47.8	60.7	47.2
11:00 PM - 12:00 AM	48.2	56.6	47.8
12:00 AM - 01:00 AM	49.1	73.5	47.9
01:00 AM - 02:00 AM	48.5	65.4	47.9
02:00 AM - 03:00 AM	48.8	61.8	47.9
03:00 AM - 04:00 AM	48.6	65.6	47.8
04:00 AM - 05:00 AM	47.5	62.1	46.9
05:00 AM - 06:00 AM	47.9	66.3	46.6
06:00 AM - 07:00 AM	48.6	77.1	45.9
07:00 AM - 08:00 AM	48.9	74.5	45.2
08:00 AM - 09:00 AM	48.0	71.6	45.0
09:00 AM - 10:00 AM	50.8	78.0	45.3

Leq Average 24 hrs. (dB(A))

Lmax (dB(A))

L90 (dB(A))

Ldn (dB(A))

Standard (dB(A))

Reference Method : ISO 1996-1 : 2016

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่ปลอดภัยจากการรบกวน
โดยราช.พ.ศ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Chontichak
Chonticha Subongkroh
Scientist (3)

Approved by

Supt S
Supt Salameh
Section Head

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11558-4/U/ EMAIL

S:\Reports\Air Noise.rpt (3.99PM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599243
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 34612687-1

Page 1 of 1

Sample Number2599243-2

ParameterNoise 9.4x (24 hrs.)

Locationบริเวณพื้นที่ทางภาคใต้ของโครงการ 9(1)9 PS 4G GP05597 , 1426633q

Measurement DateNov 16/7 Nov 18, 2025

Measurement byApichart Wilars

Sound Level meterSerial No. 531298

Time	Leq 9dB9Aeq	Lmax 9dB9Aeq	L90 9dB9Aeq
10:00 AM 7 11:00 AM	52.0	66.1	44.0
11:00 AM 7 12:00 PM	47.5	63.6	44.1
12:00 PM 7 01:00 PM	48.5	68.6	46.4
01:00 PM 7 02:00 PM	46.7	68.1	46.0
02:00 PM 7 03:00 PM	48.6	63.4	46.3
03:00 PM 7 04:00 PM	48.8	66.0	46.0
04:00 PM 7 05:00 PM	47.2	60.8	46.3
05:00 PM 7 06:00 PM	50.1	68.8	46.3
06:00 PM 7 07:00 PM	53.2	82.3	48.4
07:00 PM 7 08:00 PM	50.4	65.5	47.3
08:00 PM 7 09:00 PM	47.4	67.0	47.0
09:00 PM 7 10:00 PM	50.6	65.0	47.3
10:00 PM 7 11:00 PM	51.1	61.6	47.6
11:00 PM 7 12:00 AM	50.3	62.4	47.3
12:00 AM 7 01:00 AM	50.4	65.4	47.2
01:00 AM 7 02:00 AM	47.8	66.5	48.6
02:00 AM 7 03:00 AM	50.3	65.7	48.7
03:00 AM 7 04:00 AM	50.1	61.0	48.8
04:00 AM 7 05:00 AM	47.6	68.4	48.4
05:00 AM 7 06:00 AM	47.1	58.5	46.8
06:00 AM 7 07:00 AM	47.6	65.1	46.6
07:00 AM 7 08:00 AM	50.8	67.4	46.4
08:00 AM 7 09:00 AM	50.1	66.1	46.2
09:00 AM 7 10:00 AM	50.4	60.4	48.0

Leq Average 24 hrs. (dB(A))

Lmax (dB(A))

L90 (dB(A))

Ldn (dB(A))

Standard (dB(A))

Reference Method : ISO 1996-1 : 2016

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่ปลอดภัยจากการรบกวน
โดยราช.พ.ศ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Chontichak
Chonticha Subongkroh
Scientist 9bq

Approved by

Supt S
Supt Salameh
Section Head

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S:\Reports\Air Noise.rpt (4.00PM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599243
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 3461267-1

Page 1 of 1

Sample Number	2577243-3			
Parameter	Noise (Leq) 24 hrs.q			
Location	บริเวณพื้นที่ทางภาคใต้ของโครงการ (N1) qP 5S 4GP 06H5507, 1426G03q			
Measurement Date	Nov 18 - Nov 17, 2025			
Measurement by	Apichart Wilars			
Sound Level meter	Serial No. 531278			
Time	Leq (dB(A))	Lmax (dB(A))	L70 (dB(A))	
10:00 AM - 11:00 AM	47.5	66.5	46.6	
11:00 AM - 12:00 PM	48.4	68.4	45.0	
12:00 PM - 01:00 PM	46.1	68.2	43.3	
01:00 PM - 02:00 PM	46.4	66.7	43.8	
02:00 PM - 03:00 PM	46.5	61.3	43.8	
03:00 PM - 04:00 PM	46.6	65.5	44.1	
04:00 PM - 05:00 PM	46.7	68.3	44.3	
05:00 PM - 06:00 PM	46.2	64.6	44.4	
06:00 PM - 07:00 PM	46.5	63.3	46.3	
07:00 PM - 08:00 PM	48.7	63.3	46.6	
08:00 PM - 09:00 PM	51.6	81.3	48.5	
09:00 PM - 10:00 PM	47.3	62.4	48.3	
10:00 PM - 11:00 PM	48.5	66.5	46.6	
11:00 PM - 12:00 AM	48.2	60.1	46.3	
12:00 AM - 01:00 AM	48.7	60.5	46.6	
01:00 AM - 02:00 AM	47.3	60.0	46.7	
02:00 AM - 03:00 AM	52.8	62.0	51.2	
03:00 AM - 04:00 AM	46.1	61.1	46.5	
04:00 AM - 05:00 AM	46.6	60.6	46.7	
05:00 AM - 06:00 AM	48.2	64.6	46.1	
06:00 AM - 07:00 AM	55.4	88.1	46.7	
07:00 AM - 08:00 AM	51.0	65.5	46.4	
08:00 AM - 09:00 AM	55.1	85.1	46.2	
09:00 AM - 10:00 AM	52.1	68.4	48.8	

Leq Average 24 hrs. (dB(A))

Lmax (dB(A))

L90 (dB(A))

Ldn (dB(A))

Standard (dB(A))

Reference Method : ISO 1776-1 : 2016

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่ปลอดภัยจากการรบกวน
โดยราช.พ.ศ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Chontichak
Chonticha Subongkroh
Scientist 9bq

Approved by

Supt S
Supt Salameh
Section Head

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S:\Reports\Air Noise.rpt (4.00PM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599243
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 3461270-1

Page 1 of 1

Sample Number2599243-4

ParameterNoise (Leq 24 hrs.)

Locationบริเวณพื้นที่พักอาศัยด้านทิศตะวันตกโครงการ (N1) (GPS 47P 0745579, 1426753)

Measurement DateNov 19 - Nov 20, 2025

Measurement byApichart Wilars

Sound Level meterSerial No. 531298

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	51.2	77.0	48.3
11:00 AM - 12:00 PM	50.0	78.9	47.3
12:00 PM - 01:00 PM	52.3	67.2	48.3
01:00 PM - 02:00 PM	51.7	74.8	48.1
02:00 PM - 03:00 PM	50.5	65.5	47.5
03:00 PM - 04:00 PM	48.6	65.5	46.5
04:00 PM - 05:00 PM	48.6	63.1	46.4
05:00 PM - 06:00 PM	48.5	69.5	46.5
06:00 PM - 07:00 PM	50.7	68.1	48.8
07:00 PM - 08:00 PM	51.7	61.6	49.4
08:00 PM - 09:00 PM	50.6	63.7	49.2
09:00 PM - 10:00 PM	50.5	64.3	49.1
10:00 PM - 11:00 PM	51.1	75.3	48.7
11:00 PM - 12:00 AM	49.8	67.8	48.4
12:00 AM - 01:00 AM	50.0	59.3	48.6
01:00 AM - 02:00 AM	50.3	76.0	47.8
02:00 AM - 03:00 AM	50.7	60.9	48.7
03:00 AM - 04:00 AM	50.0	57.1	48.1
04:00 AM - 05:00 AM	52.1	82.5	48.2
05:00 AM - 06:00 AM	50.0	71.6	47.7
06:00 AM - 07:00 AM	50.2	76.7	46.9
07:00 AM - 08:00 AM	49.6	73.6	46.8
08:00 AM - 09:00 AM	52.6	76.7	49.1
09:00 AM - 10:00 AM	53.2	85.1	49.3

Leq Average 24 hrs. (dB(A))

Lmax (dB(A))

L90 (dB(A))

Ldn (dB(A))

Standard (dB(A))

Reference Method : ISO 1996-1 : 2016

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่ปลอดภัยจากการรบกวน
โดยราช.พ.ศ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Chontichak
Chonticha Subongkroh
Scientist (3)

Approved by

Supt S
Supt Salameh
Section Head

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S:\Reports\Air Noise.rpt (4.00PM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599243
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 3461271-1

Page 1 of 1

Sample Number

2599243-5

Parameter

Noise (Leq 24 hrs.)

Location

บริเวณพื้นที่กลางชุมชนใกล้ซอยโรงการ (N1) (GPS 47P 0745579, 1426753)

Measurement Date

Nov 20 - Nov 21, 2025

Measurement by

Apichart Wilars

Sound Level meter

Serial No. 531298

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	51.5	68.7	49.1
11:00 AM - 12:00 PM	50.8	74.8	48.4
12:00 PM - 01:00 PM	49.6	62.7	47.9
01:00 PM - 02:00 PM	49.3	63.2	47.3
02:00 PM - 03:00 PM	50.6	64.1	47.7
03:00 PM - 04:00 PM	52.1	72.9	48.7
04:00 PM - 05:00 PM	51.1	67.6	48.4
05:00 PM - 06:00 PM	50.7	76.0	48.0
06:00 PM - 07:00 PM	48.4	59.3	47.5
07:00 PM - 08:00 PM	48.5	69.7	47.5
08:00 PM - 09:00 PM	51.0	78.7	48.2
09:00 PM - 10:00 PM	48.3	65.3	47.4
10:00 PM - 11:00 PM	48.8	77.8	46.8
11:00 PM - 12:00 AM	48.6	76.6	47.1
12:00 AM - 01:00 AM	48.7	69.7	46.9
01:00 AM - 02:00 AM	48.2	69.4	46.9
02:00 AM - 03:00 AM	48.3	59.4	47.2
03:00 AM - 04:00 AM	52.1	75.4	48.0
04:00 AM - 05:00 AM	51.0	73.2	48.2
05:00 AM - 06:00 AM	53.6	70.8	50.6
06:00 AM - 07:00 AM	54.9	84.6	50.7
07:00 AM - 08:00 AM	52.6	71.1	49.4
08:00 AM - 09:00 AM	52.4	69.9	49.3
09:00 AM - 10:00 AM	52.3	72.4	48.8

Leq Average 24 hrs. (dB(A))

Lmax (dB(A))

L90 (dB(A))

Ldn (dB(A))

Standard (dB(A))

Reference Method : ISO 1996-1 : 2016

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เสียจากการรบกวน
โดย พ.ร.บ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Chontichak
Chonticha Subongkloch
Scientist (3)

Approved by

Supt S
Supt Salameh
Section Head

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Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599243
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 3461271-1

Page 1 of 1

Sample Number2599243-6

ParameterNoise (Leq 24 hrs.)

Locationบริเวณพื้นที่กลางชุมชนใกล้ซอยโรงการ (N1) (GPS 47P 0745579, 1426753)

Measurement DateNov 21 - Nov 22, 2025

Measurement byApichart Wilars

Sound Level meterSerial No. 531298

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	52.8	72.2	49.5
11:00 AM - 12:00 PM	52.7	76.1	49.2
12:00 PM - 01:00 PM	50.4	72.1	47.7
01:00 PM - 02:00 PM	50.4	67.5	46.4
02:00 PM - 03:00 PM	52.7	82.0	47.0
03:00 PM - 04:00 PM	49.8	74.8	47.3
04:00 PM - 05:00 PM	50.4	78.4	46.9
05:00 PM - 06:00 PM	52.0	71.3	48.6
06:00 PM - 07:00 PM	50.0	69.9	47.9
07:00 PM - 08:00 PM	49.1	58.8	47.6
08:00 PM - 09:00 PM	48.5	77.9	46.8
09:00 PM - 10:00 PM	50.4	82.3	46.9
10:00 PM - 11:00 PM	48.6	66.7	46.6
11:00 PM - 12:00 AM	47.6	68.8	46.2
12:00 AM - 01:00 AM	47.6	54.8	46.7
01:00 AM - 02:00 AM	51.0	82.7	46.9
02:00 AM - 03:00 AM	48.0	60.2	47.0
03:00 AM - 04:00 AM	47.9	67.0	47.0
04:00 AM - 05:00 AM	47.6	58.2	46.3
05:00 AM - 06:00 AM	48.2	69.0	46.7
06:00 AM - 07:00 AM	50.4	72.2	48.6
07:00 AM - 08:00 AM	50.1	71.4	46.5
08:00 AM - 09:00 AM	49.5	68.1	46.2
09:00 AM - 10:00 AM	50.2	72.7	44.9

Leq Average 24 hrs. (dB(A))

Lmax (dB(A))

L90 (dB(A))

Ldn (dB(A))

Standard (dB(A))

Reference Method : ISO 1996-1 : 2016

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เสียจากการรบกวน
โดย พ.ร.บ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Chontichak
Chonticha Subongkloch
Scientist (3)

Approved by

Supt S
Supt Salameh
Section Head

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Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599243
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 3461273-1

Page 1 of 1

Sample Number

2599243-7

Parameter

Noise (Leq 24 hrs.)

Location

บริเวณพื้นที่กลางชุมชนใกล้ซอยโรงการ (N1) (GPS 47P 0745579, 1426753)

Measurement Date

Nov 22 - Nov 23, 2025

Measurement by

Apichart Wilars

Sound Level meter

Serial No. 531298

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	51.3	81.3	46.3
11:00 AM - 12:00 PM	49.2	71.9	46.5
12:00 PM - 01:00 PM	48.7	67.1	46.1
01:00 PM - 02:00 PM	47.8	65.9	46.0
02:00 PM - 03:00 PM	48.2	69.1	45.7
03:00 PM - 04:00 PM	47.3	67.5	45.4
04:00 PM - 05:00 PM	47.7	66.0	46.0
05:00 PM - 06:00 PM	50.0	69.4	46.9
06:00 PM - 07:00 PM	49.4	68.4	48.1
07:00 PM - 08:00 PM	49.4	70.9	48.1
08:00 PM - 09:00 PM	49.5	65.6	48.3
09:00 PM - 10:00 PM	49.2	69.8	48.0
10:00 PM - 11:00 PM	49.1	66.0	47.8
11:00 PM - 12:00 AM	48.6	68.6	47.4
12:00 AM - 01:00 AM	49.0	71.5	47.5
01:00 AM - 02:00 AM	48.8	69.8	47.5
02:00 AM - 03:00 AM	48.2	59.3	47.1
03:00 AM - 04:00 AM	48.7	73.7	47.0
04:00 AM - 05:00 AM	48.1	74.2	46.8
05:00 AM - 06:00 AM	48.4	65.3	47.1
06:00 AM - 07:00 AM	49.9	70.1	46.7
07:00 AM - 08:00 AM	52.2	77.3	47.2
08:00 AM - 09:00 AM	50.2	63.6	47.7
09:00 AM - 10:00 AM	51.2	70.8	47.1

Leq Average 24 hrs. (dB(A))

Lmax (dB(A))

L90 (dB(A))

Ldn (dB(A))

Standard (dB(A))

Reference Method : ISO 1996-1 : 2016

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เสียจากการรบกวน
โดย พ.ร.บ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Chontichak
Chonticha Subongkloch
Scientist (3)

Approved by

Supt S
Supt Salameh
Section Head

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Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599243
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 3461274-1

Page 1 of 1

Sample Number

2599243-8

Parameter

Noise (Leq 24 hrs.)

Location

บริเวณพื้นที่กลางชุมชนใกล้ "โรง" เสาหลัก ๖๖ มบข ๓ (N2) (GPS 47P 0745062, 1426977)

Measurement Date

Nov 16 - Nov 17, 2025

Measurement by

Apichart Wilars

Sound Level meter

Serial No. 531307

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	49.7	68.4	46.9
11:00 AM - 12:00 PM	48.0	68.9	46.0
12:00 PM - 01:00 PM	53.0	74.4	45.0
01:00 PM - 02:00 PM	47.1	66.9	43.8
02:00 PM - 03:00 PM	48.0	69.2	43.7
03:00 PM - 04:00 PM	48.4	67.6	44.4
04:00 PM - 05:00 PM	54.9	71.4	47.5
05:00 PM - 06:00 PM	53.8	70.8	47.5
06:00 PM - 07:00 PM	54.7	66.6	50.5
07:00 PM - 08:00 PM	56.8	72.2	52.4
08:00 PM - 09:00 PM	55.0	68.3	50.8
09:00 PM - 10:00 PM	48.2	68.1	45.6
10:00 PM - 11:00 PM	48.7	65.4	46.5
11:00 PM - 12:00 AM	48.9	59.8	46.7
12:00 AM - 01:00 AM	47.8	62.9	46.1
01:00 AM - 02:00 AM	47.7	57.3	45.9
02:00 AM - 03:00 AM	47.7	52.5	45.9
03:00 AM - 04:00 AM	47.5	60.1	45.4
04:00 AM - 05:00 AM	47.3	65.7	44.8
05:00 AM - 06:00 AM	48.7	66.7	45.5
06:00 AM - 07:00 AM	47.9	72.1	44.1
07:00 AM - 08:00 AM	46.4	64.0	43.1
08:00 AM - 09:00 AM	48.8	69.1	45.2
09:00 AM - 10:00 AM	48.1	62.7	44.9

Leq Average 24 hrs. (dB(A))

Lmax (dB(A))

L90 (dB(A))

Ldn (dB(A))

Standard (dB(A))

Reference Method : ISO 1996-1 : 2016

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่อง กำหนด มาตรฐาน ระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เสียจากการรบกวน
โดย พ.ร.บ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Chontichak
Chonticha Subongkloch
Scientist (3)

Approved by

Supt S
Supt Salameh
Section Head

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S:\Reports\Air Noise\pt (4:01PM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599243
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 3461275-1

Page 1 of 1

Sample Number	2599243-9		
Parameter	Noise (Leq 24 hrs.)		
Location	บริเวณพื้นที่อุตสาหกรรม "ใหม่" ด้านข้าง บิ หนอง ต (N2) (GPS 47P 0745062, 1426977)		
Measurement Date	Nov 17 - Nov 18, 2025		
Measurement by	Apichart Wilars		
Sound Level meter	Serial No. 531307		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	46.2	63.3	43.7
11:00 AM - 12:00 PM	45.7	61.7	43.3
12:00 PM - 01:00 PM	44.7	62.0	39.7
01:00 PM - 02:00 PM	45.7	64.6	42.3
02:00 PM - 03:00 PM	44.9	60.6	42.3
03:00 PM - 04:00 PM	45.5	63.5	43.4
04:00 PM - 05:00 PM	46.1	65.2	44.0
05:00 PM - 06:00 PM	46.6	67.6	44.0
06:00 PM - 07:00 PM	48.1	69.9	47.3
07:00 PM - 08:00 PM	48.5	67.5	47.5
08:00 PM - 09:00 PM	47.9	61.4	47.0
09:00 PM - 10:00 PM	47.6	66.4	46.6
10:00 PM - 11:00 PM	46.8	70.7	45.8
11:00 PM - 12:00 AM	46.4	57.6	45.6
12:00 AM - 01:00 AM	46.1	62.1	45.2
01:00 AM - 02:00 AM	45.9	57.5	45.2
02:00 AM - 03:00 AM	45.4	54.2	44.6
03:00 AM - 04:00 AM	45.1	56.9	44.2
04:00 AM - 05:00 AM	46.9	77.6	44.3
05:00 AM - 06:00 AM	47.8	65.2	45.3
06:00 AM - 07:00 AM	46.8	66.8	43.9
07:00 AM - 08:00 AM	47.0	63.2	42.8
08:00 AM - 09:00 AM	48.3	72.4	45.1
09:00 AM - 10:00 AM	48.1	62.0	45.7

Leq Average 24 hrs. (dB(A)) 46.7
Lmax (dB(A)) 77.6
L90 (dB(A)) 44.3
Ldn (dB(A)) 52.9
Standard (dB(A)) 70
Reference Method : ISO 1996-1 : 2016
Standard : 1. ระดับเสียงที่วัดได้เกินค่ามาตรฐานตามข้อกำหนด 15 (u.a. 2540) เป็นที่สังเกตว่าอาจเกิดจากกิจกรรมของโรงงาน
2. ระดับเสียงที่วัดได้เกินค่ามาตรฐานตามข้อกำหนด 15 (u.a. 2540) เป็นที่สังเกตว่าอาจเกิดจากกิจกรรมของโรงงาน
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Chontichak
Chonticha Subongkroh
Scientist (3)

Approved by

Supt S
Supt Salameh
Section Head

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11558-4/U EMAIL

S:\Reports\Air Noise\pt (4:01PM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599243
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 3461276-1

Page 1 of 1

Sample Number	2599243-10		
Parameter	Noise (Leq 24 hrs.)		
Location	บริเวณพื้นที่อุตสาหกรรม "ใหม่" ด้านข้าง บิ หนอง ต (N2) (GPS 47P 0745062, 1426977)		
Measurement Date	Nov 18 - Nov 19, 2025		
Measurement by	Apichart Wilars		
Sound Level meter	Serial No. 531307		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	47.4	64.8	45.1
11:00 AM - 12:00 PM	46.1	66.4	43.4
12:00 PM - 01:00 PM	44.2	68.8	38.9
01:00 PM - 02:00 PM	47.0	72.8	42.4
02:00 PM - 03:00 PM	46.2	70.2	43.3
03:00 PM - 04:00 PM	45.2	61.7	43.3
04:00 PM - 05:00 PM	47.3	64.6	44.4
05:00 PM - 06:00 PM	46.3	62.5	43.8
06:00 PM - 07:00 PM	48.1	63.8	47.2
07:00 PM - 08:00 PM	48.4	58.9	47.4
08:00 PM - 09:00 PM	49.2	58.6	47.4
09:00 PM - 10:00 PM	48.0	59.3	46.6
10:00 PM - 11:00 PM	48.5	60.0	46.6
11:00 PM - 12:00 AM	46.9	60.0	45.8
12:00 AM - 01:00 AM	47.5	59.6	46.2
01:00 AM - 02:00 AM	47.4	58.2	46.1
02:00 AM - 03:00 AM	48.6	58.1	47.4
03:00 AM - 04:00 AM	46.3	49.0	45.7
04:00 AM - 05:00 AM	46.3	63.5	45.5
05:00 AM - 06:00 AM	47.0	69.2	45.5
06:00 AM - 07:00 AM	48.1	68.4	45.5
07:00 AM - 08:00 AM	49.0	72.7	46.1
08:00 AM - 09:00 AM	50.3	67.1	47.3
09:00 AM - 10:00 AM	49.9	60.2	47.7

Leq Average 24 hrs. (dB(A)) 47.7
Lmax (dB(A)) 72.8
L90 (dB(A)) 45.7
Ldn (dB(A)) 53.9
Standard (dB(A)) 70
Reference Method : ISO 1996-1 : 2016
Standard : 1. ระดับเสียงที่วัดได้เกินค่ามาตรฐานตามข้อกำหนด 15 (u.a. 2540) เป็นที่สังเกตว่าอาจเกิดจากกิจกรรมของโรงงาน
2. ระดับเสียงที่วัดได้เกินค่ามาตรฐานตามข้อกำหนด 15 (u.a. 2540) เป็นที่สังเกตว่าอาจเกิดจากกิจกรรมของโรงงาน
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Chontichak
Chonticha Subongkroh
Scientist (3)

Approved by

Supt S
Supt Salameh
Section Head

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11558-4/U EMAIL

S:\Reports\Air Noise\pt (4:01PM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599243
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 3461277-1

Page 1 of 1

Sample Number	2599243-11		
Parameter	Noise (Leq 24 hrs.)		
Location	พื้นที่ติดกับอาคารพาณิชย์ 10/1 ถนน 10/1 แขวง น (N2) (GPS 47P 0745062, 1426977)		
Measurement Date	Nov 19 - Nov 20, 2025		
Measurement by	Apichart Wilars		
Sound Level meter	Serial No. 531307		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	49.3	66.8	47.1
11:00 AM - 12:00 PM	47.9	66.5	45.6
12:00 PM - 01:00 PM	47.9	63.1	44.6
01:00 PM - 02:00 PM	49.1	65.2	46.5
02:00 PM - 03:00 PM	48.1	63.4	45.9
03:00 PM - 04:00 PM	46.9	63.7	44.9
04:00 PM - 05:00 PM	63.2	102.3	44.9
05:00 PM - 06:00 PM	45.9	65.1	44.2
06:00 PM - 07:00 PM	49.6	59.5	48.3
07:00 PM - 08:00 PM	50.0	60.6	48.2
08:00 PM - 09:00 PM	48.9	62.0	47.3
09:00 PM - 10:00 PM	48.5	66.2	46.7
10:00 PM - 11:00 PM	47.2	59.2	46.1
11:00 PM - 12:00 AM	48.6	81.3	45.5
12:00 AM - 01:00 AM	48.2	63.0	46.4
01:00 AM - 02:00 AM	47.2	60.0	45.8
02:00 AM - 03:00 AM	48.3	58.9	46.5
03:00 AM - 04:00 AM	47.7	60.5	46.0
04:00 AM - 05:00 AM	46.6	63.8	44.7
05:00 AM - 06:00 AM	46.7	65.0	44.4
06:00 AM - 07:00 AM	49.2	81.2	43.3
07:00 AM - 08:00 AM	45.9	62.7	43.1
08:00 AM - 09:00 AM	49.7	64.8	46.9
09:00 AM - 10:00 AM	48.8	75.5	46.1

Leq Average 24 hrs. (dB(A)) 51.8
Lmax (dB(A)) 102.3
L90 (dB(A)) 45.9
Ldn (dB(A)) 55.5
Standard (dB(A)) 70
Reference Method : ISO 1996-1 : 2016
Standard : 1. ระดับเสียงที่วัดได้เกินค่ามาตรฐานตามข้อกำหนด 15 (u.a. 2540) เป็นที่สังเกตว่าอาจเกิดจากกิจกรรมของโรงงาน
2. ระดับเสียงที่วัดได้เกินค่ามาตรฐานตามข้อกำหนด 15 (u.a. 2540) เป็นที่สังเกตว่าอาจเกิดจากกิจกรรมของโรงงาน
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Chontichak
Chonticha Subongkroh
Scientist (3)

Approved by

Supt S
Supt Salameh
Section Head

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S:\Reports\Air Noise\pt (4:01PM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599243
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 3461278-1

Page 1 of 1

Sample Number	2599243-12		
Parameter	Noise (Leq 24 hrs.)		
Location	บริเวณพื้นที่อุตสาหกรรม "ใหม่" ด้านข้าง บิ หนอง ต (N2) (GPS 47P 0745062, 1426977)		
Measurement Date	Nov 20 - Nov 21, 2025		
Measurement by	Apichart Wilars		
Sound Level meter	Serial No. 531307		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	48.1	71.9	46.1
11:00 AM - 12:00 PM	47.4	64.1	45.3
12:00 PM - 01:00 PM	46.7	64.1	43.6
01:00 PM - 02:00 PM	47.0	66.6	44.4
02:00 PM - 03:00 PM	47.9	59.8	46.0
03:00 PM - 04:00 PM	47.6	61.0	45.9
04:00 PM - 05:00 PM	47.3	63.6	45.2
05:00 PM - 06:00 PM	50.3	72.1	44.4
06:00 PM - 07:00 PM	46.3	57.8	45.6
07:00 PM - 08:00 PM	46.9	62.5	46.0
08:00 PM - 09:00 PM	46.5	61.0	45.1
09:00 PM - 10:00 PM	46.5	61.0	44.5
10:00 PM - 11:00 PM	45.3	66.9	44.3
11:00 PM - 12:00 AM	45.6	73.5	43.6
12:00 AM - 01:00 AM	44.0	57.6	43.2
01:00 AM - 02:00 AM	46.3	80.7	42.6
02:00 AM - 03:00 AM	44.1	70.0	43.2
03:00 AM - 04:00 AM	45.6	51.7	44.5
04:00 AM - 05:00 AM	46.8	62.6	45.1
05:00 AM - 06:00 AM	50.3	65.6	47.9
06:00 AM - 07:00 AM	51.1	72.9	48.2
07:00 AM - 08:00 AM	47.4	63.4	44.7
08:00 AM - 09:00 AM	49.7	61.7	47.3
09:00 AM - 10:00 AM	50.1	66.5	47.7

Leq Average 24 hrs. (dB(A)) 47.7
Lmax (dB(A)) 80.7
L90 (dB(A)) 45.1
Ldn (dB(A)) 53.8
Standard (dB(A)) 70
Reference Method : ISO 1996-1 : 2016
Standard : 1. ระดับเสียงที่วัดได้เกินค่ามาตรฐานตามข้อกำหนด 15 (u.a. 2540) เป็นที่สังเกตว่าอาจเกิดจากกิจกรรมของโรงงาน
2. ระดับเสียงที่วัดได้เกินค่ามาตรฐานตามข้อกำหนด 15 (u.a. 2540) เป็นที่สังเกตว่าอาจเกิดจากกิจกรรมของโรงงาน
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Chontichak
Chonticha Subongkroh
Scientist (3)

Approved by

Supt S
Supt Salameh
Section Head

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S:\Reports\Air Noise\pt (4:02PM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599243
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 34612837

Page 1 of 1

Sample Number 25F1243719
Parameter Noise (Leq 24 hrs.)
Location บริเวณพื้นที่สีเขียวและแนวถนนด้านทิศตะวันตกของโครงการ ส่วนขวา ที่หมู่ตม.บางนาฬาร (N3) (GPS 49P 094603F, 14290F 4)
Measurement Date Nov 18 7 Nov 17, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. F20831

Time	Leq (dB(A))	Lmax (dB(A))	Lf0 (dB(A))
10:00 AM 7:11:00 AM	43.9	62.8	41.8
11:00 AM 7:12:00 PM	42.7	57.8	41.9
12:00 PM 7:01:00 PM	42.7	62.4	41.0
01:00 PM 7:02:00 PM	46.9	92.0	43.2
02:00 PM 7:03:00 PM	50.1	81.3	41.4
03:00 PM 7:04:00 PM	46.2	98.5	42.0
04:00 PM 7:05:00 PM	49.0	95.3	42.8
05:00 PM 7:06:00 PM	45.4	65.1	44.3
06:00 PM 7:07:00 PM	51.4	58.2	47.9
07:00 PM 7:08:00 PM	52.3	57.9	51.3
08:00 PM 7:09:00 PM	53.1	67.3	51.1
09:00 PM 7:10:00 PM	52.7	69.0	50.9
10:00 PM 7:11:00 PM	54.4	69.0	53.1
11:00 PM 7:12:00 AM	55.6	61.2	53.7
12:00 AM 7:01:00 AM	47.1	55.2	49.7
01:00 AM 7:02:00 AM	51.1	60.3	48.7
02:00 AM 7:03:00 AM	54.6	65.4	53.2
03:00 AM 7:04:00 AM	50.3	55.3	47.9
04:00 AM 7:05:00 AM	47.5	58.4	48.7
05:00 AM 7:06:00 AM	47.7	56.1	47.2
06:00 AM 7:09:00 AM	47.4	63.8	48.5
07:00 AM 7:08:00 AM	48.6	59.7	49.2
08:00 AM 7:07:00 AM	46.5	60.2	44.7
09:00 AM 7:10:00 AM	48.9	59.3	46.2

Leq Average 24 hrs. (dB(A)) 50.6
Lmax (dB(A)) 81.3
Lf0 (dB(A)) 49.7
Ldn (dB(A)) 58.4
Standard (dB(A)) 90
Re-reference Method : ISO 11f67: 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 พ.ศ. 2540 เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการจราจร และระดับเสียงที่เสียจากการประกอบกิจการ
โรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 19025.

Technical Management

Chontichak
Chonticha Subongkroh
Scientist (3)

Approved by

Supt S
Supt Salameh
Section Head

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S:\Reports\Air Noise\pt (4:03PM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599243
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 34612847

Page 1 of 1

Sample Number 25F1243718
Parameter Noise 9.4(24 hrs.)
Location บริเวณพื้นที่สีเขียวและแนวถนนด้านทิศตะวันตกของโครงการ ส่วนขวา ที่หมู่ตม.บางนาฬาร (N3) 9 PS 4GP 0G4603F, 14290F 4q
Measurement Date Nov 17 Nov 20, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. F20831

Time	Leq (dB9Aq)	Lmax (dB9Aq)	Lf0 (dB9Aq)
10:00 AM 7:11:00 AM	50.4	68.6	44.7
11:00 AM 7:12:00 PM	44.6	55.1	42.8
12:00 PM 7:01:00 PM	47.5	67.1	43.6
01:00 PM 7:02:00 PM	46.8	61.1	43.4
02:00 PM 7:03:00 PM	46.2	64.4	42.4
03:00 PM 7:04:00 PM	44.6	64.4	42.1
04:00 PM 7:05:00 PM	45.2	66.6	43.2
05:00 PM 7:06:00 PM	46.8	62.7	45.3
06:00 PM 7:07:00 PM	54.5	66.7	51.5
07:00 PM 7:08:00 PM	53.0	61.2	51.2
08:00 PM 7:09:00 PM	52.1	58.7	50.5
09:00 PM 7:10:00 PM	52.4	57.6	50.3
10:00 PM 7:11:00 PM	52.2	58.3	50.2
11:00 PM 7:12:00 AM	53.4	57.3	47.9
12:00 AM 7:01:00 AM	52.2	58.3	47.1
01:00 AM 7:02:00 AM	51.0	56.6	48.6
02:00 AM 7:03:00 AM	50.8	61.7	47.3
03:00 AM 7:04:00 AM	47.8	56.5	48.8
04:00 AM 7:05:00 AM	47.8	58.4	48.5
05:00 AM 7:06:00 AM	48.5	54.6	46.2
06:00 AM 7:09:00 AM	46.6	60.8	44.6
07:00 AM 7:08:00 AM	45.7	61.6	43.6
08:00 AM 7:07:00 AM	47.1	65.5	45.5
09:00 AM 7:10:00 AM	48.4	61.6	45.8

Leq Average 24 hrs. (dB9Aq) 50.2
Lmax (dB9Aq) 81.3
Lf0 (dB9Aq) 45.8
Ldn (dB9Aq) 56.1
Standard (dB9Aq) 90
Re-reference Method : ISO 11f67: 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 พ.ศ. 2540 เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการจราจร และระดับเสียงที่เสียจากการประกอบกิจการ
โรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 19025.

Technical Management

Chontichak
Chonticha Subongkroh
Scientist 9q

Approved by

Supt S
Supt Salameh
Section Head

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S:\Reports\Air Noise\pt (4:03PM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599243
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 34612857

Page 1 of 1

Sample Number 25F1243717
Parameter Noise 9.4(24 hrs.)
Location บริเวณพื้นที่สีเขียวและแนวถนนด้านทิศตะวันตกของโครงการ ส่วนขวา ที่หมู่ตม.บางนาฬาร (N3) 9 PS 4GP 0G4603F, 14290F 4q
Measurement Date Nov 20 7 Nov 21, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. F20831

Time	Leq (dB9Aq)	Lmax (dB9Aq)	Lf0 (dB9Aq)
10:00 AM 7:11:00 AM	46.1	61.7	44.6
11:00 AM 7:12:00 PM	46.0	64.2	44.3
12:00 PM 7:01:00 PM	44.6	58.7	43.1
01:00 PM 7:02:00 PM	47.6	67.0	43.1
02:00 PM 7:03:00 PM	46.3	60.7	44.5
03:00 PM 7:04:00 PM	46.7	60.6	45.0
04:00 PM 7:05:00 PM	46.3	67.4	44.6
05:00 PM 7:06:00 PM	46.1	56.0	44.4
06:00 PM 7:07:00 PM	51.8	62.6	47.2
07:00 PM 7:08:00 PM	51.6	56.1	48.5
08:00 PM 7:09:00 PM	50.5	60.4	48.0
09:00 PM 7:10:00 PM	50.5	66.7	46.6
10:00 PM 7:11:00 PM	47.8	56.2	46.6
11:00 PM 7:12:00 AM	50.1	55.2	46.5
12:00 AM 7:01:00 AM	48.6	56.4	46.3
01:00 AM 7:02:00 AM	48.8	54.8	46.3
02:00 AM 7:03:00 AM	47.4	58.2	48.0
03:00 AM 7:04:00 AM	51.1	57.3	47.6
04:00 AM 7:05:00 AM	47.7	58.4	48.8
05:00 AM 7:06:00 AM	50.6	61.4	47.2
06:00 AM 7:09:00 AM	46.7	56.6	46.3
07:00 AM 7:08:00 AM	46.7	58.0	45.5
08:00 AM 7:07:00 AM	46.6	58.1	45.3
09:00 AM 7:10:00 AM	46.6	63.1	45.5

Leq Average 24 hrs. (dB9Aq) 47.1
Lmax (dB9Aq) 81.3
Lf0 (dB9Aq) 46.3
Ldn (dB9Aq) 56.0
Standard (dB9Aq) 90
Re-reference Method : ISO 11f67: 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 พ.ศ. 2540 เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการจราจร และระดับเสียงที่เสียจากการประกอบกิจการ
โรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 19025.

Technical Management

Chontichak
Chonticha Subongkroh
Scientist 9q

Approved by

Supt S
Supt Salameh
Section Head

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S:\Reports\Air Noise\pt (4:03PM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599243
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 34612867

Page 1 of 1

Sample Number 25F1243720
Parameter Noise 9.4(24 hrs.)
Location บริเวณพื้นที่สีเขียวและแนวถนนด้านทิศตะวันตกของโครงการ ส่วนขวา ที่หมู่ตม.บางนาฬาร (N3) 9 PS 4GP 0G4603F, 14290F 4q
Measurement Date Nov 21 7 Nov 22, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. F20831

Time	Leq (dB9Aq)	Lmax (dB9Aq)	Lf0 (dB9Aq)
10:00 AM 7:11:00 AM	58.4	66.6	53.2
11:00 AM 7:12:00 PM	46.6	57.3	45.2
12:00 PM 7:01:00 PM	44.8	57.5	42.6
01:00 PM 7:02:00 PM	44.4	55.6	42.6
02:00 PM 7:03:00 PM	46.3	54.3	43.7
03:00 PM 7:04:00 PM	46.8	66.3	45.6
04:00 PM 7:05:00 PM	46.7	54.6	46.6
05:00 PM 7:06:00 PM	46.4	56.7	46.2
06:00 PM 7:07:00 PM	53.0	63.7	50.3
07:00 PM 7:08:00 PM	51.8	56.6	47.4
08:00 PM 7:09:00 PM	51.2	56.6	47.2
09:00 PM 7:10:00 PM	50.2	56.0	47.2
10:00 PM 7:11:00 PM	52.5	64.4	47.4
11:00 PM 7:12:00 AM	47.8	58.7	48.4
12:00 AM 7:01:00 AM	47.8	55.1	48.5
01:00 AM 7:02:00 AM	47.5	54.6	48.2
02:00 AM 7:03:00 AM	48.7	56.6	46.2
03:00 AM 7:04:00 AM	47.6	58.6	48.6
04:00 AM 7:05:00 AM	47.3	56.0	48.0
05:00 AM 7:06:00 AM	47.8	58.3	46.6
06:00 AM 7:09:00 AM	46.4	56.6	44.1
07:00 AM 7:08:00 AM	46.2	65.1	43.3
08:00 AM 7:07:00 AM	46.5	56.4	46.0
09:00 AM 7:10:00 AM	46.6	61.3	44.8

Leq Average 24 hrs. (dB9Aq) 50.4
Lmax (dB9Aq) 81.3
Lf0 (dB9Aq) 46.2
Ldn (dB9Aq) 56.4
Standard (dB9Aq) 90
Re-reference Method : ISO 11f67: 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 พ.ศ. 2540 เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการจราจร และระดับเสียงที่เสียจากการประกอบกิจการ
โรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 19025.

Technical Management

Chontichak
Chonticha Subongkroh
Scientist 9q

Approved by

Supt S
Supt Salameh
Section Head

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S:\Reports\Air Noise\pt (4:03PM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phakdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599243
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 3461287-1

Page 1 of 1

Sample Number : 2599243-21
Parameter : Noise (Leq 24 hrs.)
Location : บริเวณพื้นที่สีเขียวและแนวถนนด้านทิศตะวันตกของโครงการ ส่วนขยาย ที่ประชิดถนนสายพารา (N3) (GPS 47P 0746039, 1427094)
Measurement Date : Nov 22 - Nov 23, 2025
Measurement by : Apichart Willars
Sound Level meter : Serial No. 920831

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	46.4	74.4	44.4
11:00 AM - 12:00 PM	46.4	69.9	44.3
12:00 PM - 01:00 PM	47.9	76.6	44.3
01:00 PM - 02:00 PM	45.5	62.3	44.1
02:00 PM - 03:00 PM	48.2	56.4	46.5
03:00 PM - 04:00 PM	52.2	72.0	50.7
04:00 PM - 05:00 PM	52.1	68.3	50.6
05:00 PM - 06:00 PM	53.2	78.3	51.4
06:00 PM - 07:00 PM	54.1	56.8	53.4
07:00 PM - 08:00 PM	55.1	57.7	54.4
08:00 PM - 09:00 PM	54.8	65.2	54.1
09:00 PM - 10:00 PM	52.6	58.0	51.2
10:00 PM - 11:00 PM	49.6	67.1	48.1
11:00 PM - 12:00 AM	49.5	59.6	48.7
12:00 AM - 01:00 AM	49.8	53.8	48.4
01:00 AM - 02:00 AM	49.6	60.4	48.0
02:00 AM - 03:00 AM	48.9	59.9	47.1
03:00 AM - 04:00 AM	48.8	58.9	47.5
04:00 AM - 05:00 AM	47.3	62.6	46.2
05:00 AM - 06:00 AM	46.4	58.5	45.1
06:00 AM - 07:00 AM	44.3	64.0	42.8
07:00 AM - 08:00 AM	44.1	68.2	42.4
08:00 AM - 09:00 AM	43.7	58.3	41.8
09:00 AM - 10:00 AM	47.7	79.1	41.5

Leq Average 24 hrs. (dB(A)) : 50.4
Lmax (dB(A)) : 79.1
L90 (dB(A)) : 47.1
Ldn (dB(A)) : 55.4
Standard (dB(A)) : 70

Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่สังเกตจากการประกอบกิจการ
โรงงาน พ.ศ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Chontichak
Chonticha Subongkroh
Scientist (3)

Approved by

Supot S
Supot Salameh
Section Head

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S:\Reports\Air Noise\pt (4 06PM)

ระดับเสียง 5 นาທີ (L5)



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599244
Date Received : Nov 24, 2025
Date Reported : Nov 29, 2025
Report Number : 3459527-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample Number : 2599244-1
Parameter : Noise Level (Leq 5 min)
Location : บริเวณพื้นที่ใกล้ทางเข้าด้านทิศตะวันออกโครงการ (N1) (GPS 47P 0745579, 1426753)
Measurement Date : Nov 16 - Nov 17, 2025
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 531298

Nov 16, 2025			Nov 16, 2025			Nov 16, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
10:00 AM - 10:05 AM	50.9	45.3	12:40 PM - 12:45 PM	48.5	44.7	03:20 PM - 03:25 PM	60.1	45.7
10:05 AM - 10:10 AM	49.1	45.2	12:45 PM - 12:50 PM	49.3	44.5	03:25 PM - 03:30 PM	49.1	46.2
10:10 AM - 10:15 AM	51.0	44.6	12:50 PM - 12:55 PM	50.9	45.9	03:30 PM - 03:35 PM	48.2	45.6
10:15 AM - 10:20 AM	49.8	44.7	12:55 PM - 01:00 PM	48.0	43.9	03:35 PM - 03:40 PM	48.0	44.8
10:20 AM - 10:25 AM	48.9	43.8	01:00 PM - 01:05 PM	48.8	45.6	03:40 PM - 03:45 PM	49.1	45.5
10:25 AM - 10:30 AM	48.7	44.5	01:05 PM - 01:10 PM	50.3	47.1	03:45 PM - 03:50 PM	47.9	45.2
10:30 AM - 10:35 AM	55.0	45.4	01:10 PM - 01:15 PM	48.8	44.3	03:50 PM - 03:55 PM	49.1	46.1
10:35 AM - 10:40 AM	48.2	43.6	01:15 PM - 01:20 PM	50.1	45.4	03:55 PM - 04:00 PM	50.6	46.6
10:40 AM - 10:45 AM	51.5	43.7	01:20 PM - 01:25 PM	49.0	45.2	04:00 PM - 04:05 PM	50.1	45.8
10:45 AM - 10:50 AM	54.4	44.0	01:25 PM - 01:30 PM	48.7	45.8	04:05 PM - 04:10 PM	50.8	47.3
10:50 AM - 10:55 AM	62.1	43.9	01:30 PM - 01:35 PM	49.7	46.8	04:10 PM - 04:15 PM	49.5	46.8
10:55 AM - 11:00 AM	62.8	44.2	01:35 PM - 01:40 PM	50.5	46.9	04:15 PM - 04:20 PM	47.4	45.7
11:00 AM - 11:05 AM	62.5	45.4	01:40 PM - 01:45 PM	49.1	46.9	04:20 PM - 04:25 PM	49.3	45.7
11:05 AM - 11:10 AM	62.4	48.9	01:45 PM - 01:50 PM	47.5	44.3	04:25 PM - 04:30 PM	48.9	45.2
11:10 AM - 11:15 AM	60.6	47.4	01:50 PM - 01:55 PM	47.1	44.7	04:30 PM - 04:35 PM	48.7	45.6
11:15 AM - 11:20 AM	56.9	48.1	01:55 PM - 02:00 PM	46.8	44.9	04:35 PM - 04:40 PM	49.5	46.1
11:20 AM - 11:25 AM	60.9	47.9	02:00 PM - 02:05 PM	48.1	45.0	04:40 PM - 04:45 PM	50.0	46.3
11:25 AM - 11:30 AM	64.4	48.3	02:05 PM - 02:10 PM	47.3	45.1	04:45 PM - 04:50 PM	51.3	46.9
11:30 AM - 11:35 AM	59.9	45.3	02:10 PM - 02:15 PM	48.9	45.7	04:50 PM - 04:55 PM	48.3	45.9
11:35 AM - 11:40 AM	50.7	46.4	02:15 PM - 02:20 PM	47.1	45.2	04:55 PM - 05:00 PM	51.8	46.9
11:40 AM - 11:45 AM	49.1	44.4	02:20 PM - 02:25 PM	49.6	45.9	05:00 PM - 05:05 PM	51.1	47.1
11:45 AM - 11:50 AM	47.9	44.9	02:25 PM - 02:30 PM	51.0	45.3	05:05 PM - 05:10 PM	51.4	47.1
11:50 AM - 11:55 AM	48.0	45.0	02:30 PM - 02:35 PM	46.6	44.8	05:10 PM - 05:15 PM	50.8	46.9
11:55 AM - 12:00 PM	47.1	44.8	02:35 PM - 02:40 PM	48.3	45.6	05:15 PM - 05:20 PM	49.4	46.4
12:00 PM - 12:05 PM	49.2	45.4	02:40 PM - 02:45 PM	46.0	44.4	05:20 PM - 05:25 PM	49.6	46.4
12:05 PM - 12:10 PM	50.1	45.3	02:45 PM - 02:50 PM	47.9	45.2	05:25 PM - 05:30 PM	49.0	46.2
12:10 PM - 12:15 PM	50.7	47.1	02:50 PM - 02:55 PM	47.6	45.3	05:30 PM - 05:35 PM	50.4	46.6
12:15 PM - 12:20 PM	49.6	45.0	02:55 PM - 03:00 PM	47.5	44.3	05:35 PM - 05:40 PM	50.0	46.4
12:20 PM - 12:25 PM	48.1	44.7	03:00 PM - 03:05 PM	49.0	46.5	05:40 PM - 05:45 PM	48.1	46.1
12:25 PM - 12:30 PM	50.1	46.0	03:05 PM - 03:10 PM	48.2	46.4	05:45 PM - 05:50 PM	48.6	45.4
12:30 PM - 12:35 PM	50.5	46.2	03:10 PM - 03:15 PM	49.6	45.6	05:50 PM - 05:55 PM	48.5	46.3
12:35 PM - 12:40 PM	48.7	45.7	03:15 PM - 03:20 PM	56.3	45.5	05:55 PM - 06:00 PM	49.2	46.5

The above results are valid only for the analysed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Sarayuht Jitranont
Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599244
Date Received : Nov 24, 2025
Date Reported : Nov 29, 2025
Report Number : 3459527-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample Number : 2599244-1
Parameter : Noise Level (Leq 5 min)
Location : บริเวณพื้นที่ใกล้ทางเข้าด้านทิศตะวันออกโครงการ (N1) (GPS 47P 0745579, 1426753)
Measurement Date : Nov 16 - Nov 17, 2025
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 531298

Nov 16, 2025			Nov 16, 2025			Nov 16 - Nov 17, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
06:00 PM - 06:05 PM	48.9	46.9	08:40 PM - 08:45 PM	48.9	47.9	11:20 PM - 11:25 PM	48.2	47.8
06:05 PM - 06:10 PM	48.4	46.6	08:45 PM - 08:50 PM	49.6	48.1	11:25 PM - 11:30 PM	48.1	47.8
06:10 PM - 06:15 PM	49.7	47.3	08:50 PM - 08:55 PM	50.0	47.5	11:30 PM - 11:35 PM	48.0	47.5
06:15 PM - 06:20 PM	50.8	48.0	08:55 PM - 09:00 PM	49.1	47.5	11:35 PM - 11:40 PM	48.2	47.7
06:20 PM - 06:25 PM	51.9	49.0	09:00 PM - 09:05 PM	48.6	46.3	11:40 PM - 11:45 PM	48.1	47.8
06:25 PM - 06:30 PM	49.9	48.1	09:05 PM - 09:10 PM	46.6	45.7	11:45 PM - 11:50 PM	48.3	47.8
06:30 PM - 06:35 PM	49.5	48.8	09:10 PM - 09:15 PM	46.9	45.9	11:50 PM - 11:55 PM	48.7	48.1
06:35 PM - 06:40 PM	49.6	48.8	09:15 PM - 09:20 PM	48.0	46.7	11:55 PM - 12:00 AM	48.5	48.0
06:40 PM - 06:45 PM	50.4	48.9	09:20 PM - 09:25 PM	49.7	46.9	12:00 AM - 12:05 AM	50.8	48.1
06:45 PM - 06:50 PM	52.5	49.7	09:25 PM - 09:30 PM	48.8	47.2	12:05 AM - 12:10 AM	48.3	47.8
06:50 PM - 06:55 PM	55.6	51.8	09:30 PM - 09:35 PM	47.5	46.4	12:10 AM - 12:15 AM	49.9	47.9
06:55 PM - 07:00 PM	53.6	50.5	09:35 PM - 09:40 PM	47.8	46.6	12:15 AM - 12:20 AM	49.8	47.9
07:00 PM - 07:05 PM	50.1	48.9	09:40 PM - 09:45 PM	47.0	46.3	12:20 AM - 12:25 AM	49.0	48.1
07:05 PM - 07:10 PM	52.3	49.4	09:45 PM - 09:50 PM	47.6	47.0	12:25 AM - 12:30 AM	48.6	47.7
07:10 PM - 07:15 PM	52.1	50.0	09:50 PM - 09:55 PM	48.3	46.9	12:30 AM - 12:35 AM	48.6	48.0
07:15 PM - 07:20 PM	51.1	48.8	09:55 PM - 10:00 PM	48.0	47.3	12:35 AM - 12:40 AM	48.4	47.8
07:20 PM - 07:25 PM	49.8	48.4	10:00 PM - 10:05 PM	47.9	47.3	12:40 AM - 12:45 AM	48.4	48.0
07:25 PM - 07:30 PM	49.2	48.3	10:05 PM - 10:10 PM	47.7	47.3	12:45 AM - 12:50 AM	48.3	47.8
07:30 PM - 07:35 PM	48.5	47.5	10:10 PM - 10:15 PM	47.3	45.4	12:50 AM - 12:55 AM	50.1	47.9
07:35 PM - 07:40 PM	48.9	47.8	10:15 PM - 10:20 PM	47.4	46.5	12:55 AM - 01:00 AM	48.8	47.9
07:40 PM - 07:45 PM	52.5	48.3	10:20 PM - 10:25 PM	48.2	47.5	01:00 AM - 01:05 AM	48.7	47.9
07:45 PM - 07:50 PM	49.0	47.9	10:25 PM - 10:30 PM	47.7	47.2	01:05 AM - 01:10 AM	48.3	47.8
07:50 PM - 07:55 PM	48.7	47.5	10:30 PM - 10:35 PM	47.8	47.1	01:10 AM - 01:15 AM	48.6	48.0
07:55 PM - 08:00 PM	48.8	47.5	10:35 PM - 10:40 PM	48.1	47.5	01:15 AM - 01:20 AM	48.3	47.8
08:00 PM - 08:05 PM	48.2	47.4	10:40 PM - 10:45 PM	47.6	47.3	01:20 AM - 01:25 AM	48.4	47.9
08:05 PM - 08:10 PM	49.0	48.1	10:45 PM - 10:50 PM	47.7	47.4	01:25 AM - 01:30 AM	48.3	47.9
08:10 PM - 08:15 PM	49.0	48.1	10:50 PM - 10:55 PM	48.0	47.5	01:30 AM - 01:35 AM	48.5	47.9
08:15 PM - 08:20 PM	49.6	48.0	10:55 PM - 11:00 PM	47.9	47.5	01:35 AM - 01:40 AM	48.6	47.9
08:20 PM - 08:25 PM	50.8	48.8	11:00 PM - 11:05 PM	48.1	47.7	01:40 AM - 01:45 AM	48.8	47.7
08:25 PM - 08:30 PM	51.5	48.5	11:05 PM - 11:10 PM	48.1	47.7	01:45 AM - 01:50 AM	48.5	47.9
08:30 PM - 08:35 PM	49.2	47.8	11:10 PM - 11:15 PM	48.0	47.6	01:50 AM - 01:55 AM	48.5	47.8
08:35 PM - 08:40 PM	49.2	47.7	11:15 PM - 11:20 PM	48.1	47.6	01:55 AM - 02:00 AM	48.9	48.1

The above results are valid only for the analysed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Sarayuht Jitranont
Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599244
Date Received : Nov 24, 2025
Date Reported : Nov 29, 2025
Report Number : 3459527-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample Number : 2599244-1
Parameter : Noise Level (Leq 5 min)
Location : บริเวณพื้นที่ใกล้ทางเข้าด้านทิศตะวันออกโครงการ (N1) (GPS 47P 0745579, 1426753)
Measurement Date : Nov 16 - Nov 17, 2025
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 531298

Nov 17, 2025			Nov 17, 2025			Nov 17, 2025		
Time	Leq	L90	Time	Leq	L90	Time	Leq	L90
	dB(A)	dB(A)		dB(A)	dB(A)		dB(A)	dB(A)
02:00 AM - 02:05 AM	48.6	47.9	04:40 AM - 04:45 AM	47.1	46.7	07:20 AM - 07:25 AM	49.8	45.2
02:05 AM - 02:10 AM	48.5	47.8	04:45 AM - 04:50 AM	47.0	46.6	07:25 AM - 07:30 AM	53.1	45.3
02:10 AM - 02:15 AM	50.0	48.4	04:50 AM - 04:55 AM	47.1	46.8	07:30 AM - 07:35 AM	47.9	45.3
02:15 AM - 02:20 AM	48.9	47.8	04:55 AM - 05:00 AM	47.1	46.6	07:35 AM - 07:40 AM	46.7	44.9
02:20 AM - 02:25 AM	49.1	47.8	05:00 AM - 05:05 AM	47.1	46.8	07:40 AM - 07:45 AM	46.7	44.7
02:25 AM - 02:30 AM	48.2	47.6	05:05 AM - 05:10 AM	47.3	46.9	07:45 AM - 07:50 AM	48.3	45.4
02:30 AM - 02:35 AM	49.0	48.0	05:10 AM - 05:15 AM	47.7	46.9	07:50 AM - 07:55 AM	50.4	45.9
02:35 AM - 02:40 AM	48.7	47.9	05:15 AM - 05:20 AM	47.1	46.6	07:55 AM - 08:00 AM	47.2	44.7
02:40 AM - 02:45 AM	49.5	48.2	05:20 AM - 05:25 AM	47.6	46.7	08:00 AM - 08:05 AM	46.2	44.8
02:45 AM - 02:50 AM	48.5	47.8	05:25 AM - 05:30 AM	46.9	46.4	08:05 AM - 08:10 AM	49.1	44.7
02:50 AM - 02:55 AM	48.1	47.6	05:30 AM - 05:35 AM	48.3	46.4	08:10 AM - 08:15 AM	46.1	44.8
02:55 AM - 03:00 AM	48.7	47.9	05:35 AM - 05:40 AM	46.9	46.2	08:15 AM - 08:20 AM	47.4	44.8
03:00 AM - 03:05 AM	48.3	47.8	05:40 AM - 05:45 AM	48.2	46.9	08:20 AM - 08:25 AM	46.5	44.5
03:05 AM - 03:10 AM	48.3	47.7	05:45 AM - 05:50 AM	48.0	46.6	08:25 AM - 08:30 AM	46.5	44.6
03:10 AM - 03:15 AM	48.7	48.0	05:50 AM - 05:55 AM	48.5	46.8	08:30 AM - 08:35 AM	46.7	45.0
03:15 AM - 03:20 AM	48.9	48.0	05:55 AM - 06:00 AM	49.8	46.5	08:35 AM - 08:40 AM	46.3	44.9
03:20 AM - 03:25 AM	48.8	48.1	06:00 AM - 06:05 AM	47.7	46.4	08:40 AM - 08:45 AM	48.1	45.4
03:25 AM - 03:30 AM	49.1	48.2	06:05 AM - 06:10 AM	47.3	46.3	08:45 AM - 08:50 AM	48.2	46.1
03:30 AM - 03:35 AM	49	48.1	06:10 AM - 06:15 AM	47.4	46.1	08:50 AM - 08:55 AM	52.7	46.1
03:35 AM - 03:40 AM	48.3	47.5	06:15 AM - 06:20 AM	45.9	45.9	08:55 AM - 09:00 AM	45.2	45.2
03:40 AM - 03:45 AM	48.3	47.6	06:20 AM - 06:25 AM	50.3	45.8	09:00 AM - 09:05 AM	49.5	45.3
03:45 AM - 03:50 AM	48.3	47.5	06:25 AM - 06:30 AM	46.8	45.6	09:05 AM - 09:10 AM	50.2	45.1
03:50 AM - 03:55 AM	48.0	47.4	06:30 AM - 06:35 AM	47.0	45.7	09:10 AM - 09:15 AM	46.9	44.8
03:55 AM - 04:00 AM	47.9	47.3	06:35 AM - 06:40 AM	51.1	46.2	09:15 AM - 09:20 AM	48.6	45.7
04:00 AM - 04:05 AM	47.1	46.4	06:40 AM - 06:45 AM	45.9	45.9	09:20 AM - 09:25 AM	46.3	45.3
04:05 AM - 04:10 AM	48.4	47.3	06:45 AM - 06:50 AM	49.1	46.1	09:25 AM - 09:30 AM	48.9	45.7
04:10 AM - 04:15 AM	47.8	47.5	06:50 AM - 06:55 AM	48.3	45.6	09:30 AM - 09:35 AM	46.9	44.2
04:15 AM - 04:20 AM	47.9	47.1	06:55 AM - 07:00 AM	47.8	45.6	09:35 AM - 09:40 AM	57.0	43.9
04:20 AM - 04:25 AM	47.8	47.1	07:00 AM - 07:05 AM	48.4	45.5	09:40 AM - 09:45 AM	46.4	43.9
04:25 AM - 04:30 AM	47.8	47.1	07:05 AM - 07:10 AM	45.4	45.3	09:45 AM - 09:50 AM	45.3	43.4
04:30 AM - 04:35 AM	47.2	46.6	07:10 AM - 07:15 AM	48.3	45.1	09:50 AM - 09:55 AM	49.4	46.1
04:35 AM - 04:40 AM	47.2	46.7	07:15 AM - 07:20 AM	48.1	44.9	09:55 AM - 10:00 AM	52.6	46.2



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599244
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3459528-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number : 2599244-2
Parameter : Noise Level (Leq 5 min)
Location : บริเวณพื้นที่ใกล้ทางเดินเข้าพื้นที่ของโครงการ (N1) (GPS 47P 0745579, 1426753)
Measurement Date : Nov 17 - Nov 18, 2025
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 531298

Nov 17, 2025		Nov 17, 2025		Nov 17 - Nov 18, 2025	
Time	Leq dB(A)	Time	Leq dB(A)	Time	Leq dB(A)
06:00 PM - 06:05 PM	61.5	08:40 PM - 08:45 PM	50.2	11:20 PM - 11:25 PM	50.5
06:05 PM - 06:10 PM	49.3	08:45 PM - 08:50 PM	49.4	11:25 PM - 11:30 PM	50.5
06:10 PM - 06:15 PM	49.8	08:50 PM - 08:55 PM	49.5	11:30 PM - 11:35 PM	50.3
06:15 PM - 06:20 PM	48.9	08:55 PM - 09:00 PM	49.9	11:35 PM - 11:40 PM	50.4
06:20 PM - 06:25 PM	50.8	09:00 PM - 09:05 PM	49.9	11:40 PM - 11:45 PM	50.3
06:25 PM - 06:30 PM	50.2	09:05 PM - 09:10 PM	49.7	11:45 PM - 11:50 PM	49.5
06:30 PM - 06:35 PM	49.5	09:10 PM - 09:15 PM	49.9	11:50 PM - 11:55 PM	50.6
06:35 PM - 06:40 PM	49.6	09:15 PM - 09:20 PM	49.8	11:55 PM - 12:00 AM	50.1
06:40 PM - 06:45 PM	52.0	09:20 PM - 09:25 PM	50.3	12:00 AM - 12:05 AM	50.9
06:45 PM - 06:50 PM	49.5	09:25 PM - 09:30 PM	50.1	12:05 AM - 12:10 AM	51.1
06:50 PM - 06:55 PM	49.6	09:30 PM - 09:35 PM	50.0	12:10 AM - 12:15 AM	50.5
06:55 PM - 07:00 PM	49.4	09:35 PM - 09:40 PM	52.8	12:15 AM - 12:20 AM	50.6
07:00 PM - 07:05 PM	49.4	09:40 PM - 09:45 PM	50.4	12:20 AM - 12:25 AM	50.2
07:05 PM - 07:10 PM	49.8	09:45 PM - 09:50 PM	50.2	12:25 AM - 12:30 AM	50.2
07:10 PM - 07:15 PM	50.2	09:50 PM - 09:55 PM	51.5	12:30 AM - 12:35 AM	49.7
07:15 PM - 07:20 PM	50.0	09:55 PM - 10:00 PM	51.3	12:35 AM - 12:40 AM	50.5
07:20 PM - 07:25 PM	51.0	10:00 PM - 10:05 PM	50.6	12:40 AM - 12:45 AM	50.4
07:25 PM - 07:30 PM	52.7	10:05 PM - 10:10 PM	50.2	12:45 AM - 12:50 AM	50.3
07:30 PM - 07:35 PM	51.2	10:10 PM - 10:15 PM	50.1	12:50 AM - 12:55 AM	50.8
07:35 PM - 07:40 PM	50.5	10:15 PM - 10:20 PM	50.8	12:55 AM - 01:00 AM	49.9
07:40 PM - 07:45 PM	49.9	10:20 PM - 10:25 PM	53.1	01:00 AM - 01:05 AM	50.5
07:45 PM - 07:50 PM	49.6	10:25 PM - 10:30 PM	51.1	01:05 AM - 01:10 AM	49.7
07:50 PM - 07:55 PM	49.5	10:30 PM - 10:35 PM	50.9	01:10 AM - 01:15 AM	49.5
07:55 PM - 08:00 PM	50.0	10:35 PM - 10:40 PM	53.0	01:15 AM - 01:20 AM	49.6
08:00 PM - 08:05 PM	50.1	10:40 PM - 10:45 PM	51.7	01:20 AM - 01:25 AM	49.1
08:05 PM - 08:10 PM	49.9	10:45 PM - 10:50 PM	49.9	01:25 AM - 01:30 AM	49.5
08:10 PM - 08:15 PM	50.0	10:50 PM - 10:55 PM	50.6	01:30 AM - 01:35 AM	49.6
08:15 PM - 08:20 PM	49.8	10:55 PM - 11:00 PM	50.2	01:35 AM - 01:40 AM	49.7
08:20 PM - 08:25 PM	50.1	11:00 PM - 11:05 PM	51.1	01:40 AM - 01:45 AM	50.2
08:25 PM - 08:30 PM	50.1	11:05 PM - 11:10 PM	49.8	01:45 AM - 01:50 AM	50.8
08:30 PM - 08:35 PM	49.9	11:10 PM - 11:15 PM	50.2	01:50 AM - 01:55 AM	49.5
08:35 PM - 08:40 PM	50.1	11:15 PM - 11:20 PM	50.4	01:55 AM - 02:00 AM	50.1

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599244
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3459528-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number : 2599244-2
Parameter : Noise Level (Leq 5 min)
Location : บริเวณพื้นที่ใกล้ทางเดินเข้าพื้นที่ของโครงการ (N1) (GPS 47P 0745579, 1426753)
Measurement Date : Nov 17 - Nov 18, 2025
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 531298

Nov 18, 2025		Nov 18, 2025		Nov 18, 2025	
Time	Leq dB(A)	Time	Leq dB(A)	Time	Leq dB(A)
02:00 AM - 02:05 AM	49.8	04:40 AM - 04:45 AM	49.6	07:20 AM - 07:25 AM	49.4
02:05 AM - 02:10 AM	50.2	04:45 AM - 04:50 AM	49.5	07:25 AM - 07:30 AM	49.9
02:10 AM - 02:15 AM	49.8	04:50 AM - 04:55 AM	49.9	07:30 AM - 07:35 AM	49.6
02:15 AM - 02:20 AM	49.8	04:55 AM - 05:00 AM	49.5	07:35 AM - 07:40 AM	49.0
02:20 AM - 02:25 AM	48.9	05:00 AM - 05:05 AM	49.5	07:40 AM - 07:45 AM	48.4
02:25 AM - 02:30 AM	49.4	05:05 AM - 05:10 AM	49.5	07:45 AM - 07:50 AM	49.5
02:30 AM - 02:35 AM	50.4	05:10 AM - 05:15 AM	48.9	07:50 AM - 07:55 AM	49.4
02:35 AM - 02:40 AM	53.3	05:15 AM - 05:20 AM	49.1	07:55 AM - 08:00 AM	50.3
02:40 AM - 02:45 AM	49.9	05:20 AM - 05:25 AM	49.0	08:00 AM - 08:05 AM	50.1
02:45 AM - 02:50 AM	49.8	05:25 AM - 05:30 AM	48.4	08:05 AM - 08:10 AM	50.3
02:50 AM - 02:55 AM	50.5	05:30 AM - 05:35 AM	49.0	08:10 AM - 08:15 AM	50.0
02:55 AM - 03:00 AM	50.1	05:35 AM - 05:40 AM	49.2	08:15 AM - 08:20 AM	50.3
03:00 AM - 03:05 AM	49.9	05:40 AM - 05:45 AM	49.5	08:20 AM - 08:25 AM	49.1
03:05 AM - 03:10 AM	49.7	05:45 AM - 05:50 AM	48.9	08:25 AM - 08:30 AM	54.2
03:10 AM - 03:15 AM	50.2	05:50 AM - 05:55 AM	48.6	08:30 AM - 08:35 AM	48.9
03:15 AM - 03:20 AM	50.1	05:55 AM - 06:00 AM	49.2	08:35 AM - 08:40 AM	48.9
03:20 AM - 03:25 AM	49.5	06:00 AM - 06:05 AM	48.2	08:40 AM - 08:45 AM	54.7
03:25 AM - 03:30 AM	51.8	06:05 AM - 06:10 AM	49.6	08:45 AM - 08:50 AM	49.4
03:30 AM - 03:35 AM	54.2	06:10 AM - 06:15 AM	49.3	08:50 AM - 08:55 AM	48.8
03:35 AM - 03:40 AM	50.9	06:15 AM - 06:20 AM	49.1	08:55 AM - 09:00 AM	49.8
03:40 AM - 03:45 AM	49.8	06:20 AM - 06:25 AM	48.6	09:00 AM - 09:05 AM	50.9
03:45 AM - 03:50 AM	50.3	06:25 AM - 06:30 AM	48.9	09:05 AM - 09:10 AM	49.7
03:50 AM - 03:55 AM	51.6	06:30 AM - 06:35 AM	48.8	09:10 AM - 09:15 AM	48.8
03:55 AM - 04:00 AM	50.3	06:35 AM - 06:40 AM	49.5	09:15 AM - 09:20 AM	50.4
04:00 AM - 04:05 AM	49.6	06:40 AM - 06:45 AM	49.1	09:20 AM - 09:25 AM	49.7
04:05 AM - 04:10 AM	49.5	06:45 AM - 06:50 AM	51.2	09:25 AM - 09:30 AM	51.2
04:10 AM - 04:15 AM	49.8	06:50 AM - 06:55 AM	50.9	09:30 AM - 09:35 AM	50.0
04:15 AM - 04:20 AM	49.5	06:55 AM - 07:00 AM	50.2	09:35 AM - 09:40 AM	49.8
04:20 AM - 04:25 AM	49.3	07:00 AM - 07:05 AM	49.3	09:40 AM - 09:45 AM	51.2
04:25 AM - 04:30 AM	49.4	07:05 AM - 07:10 AM	48.9	09:45 AM - 09:50 AM	49.7
04:30 AM - 04:35 AM	49.6	07:10 AM - 07:15 AM	56.8	09:50 AM - 09:55 AM	50.2
04:35 AM - 04:40 AM	50.6	07:15 AM - 07:20 AM	49.6	09:55 AM - 10:00 AM	52.3

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599244
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3459529-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number : 2599244-3
Parameter : Noise Level (Leq 5 min)
Location : บริเวณพื้นที่ใกล้ทางเดินเข้าพื้นที่ของโครงการ (N1) (GPS 47P 0745579, 1426753)
Measurement Date : Nov 18 - Nov 19, 2025
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 531298

Nov 18, 2025		Nov 18, 2025		Nov 18, 2025	
Time	Leq dB(A)	Time	Leq dB(A)	Time	Leq dB(A)
10:00 AM - 10:05 AM	51.9	12:40 PM - 12:45 PM	48.1	03:20 PM - 03:25 PM	45.3
10:05 AM - 10:10 AM	49.5	12:45 PM - 12:50 PM	44.8	03:25 PM - 03:30 PM	46.7
10:10 AM - 10:15 AM	50.3	12:50 PM - 12:55 PM	45.8	03:30 PM - 03:35 PM	48.0
10:15 AM - 10:20 AM	50.8	12:55 PM - 01:00 PM	46.9	03:35 PM - 03:40 PM	46.4
10:20 AM - 10:25 AM	49.1	01:00 PM - 01:05 PM	46.4	03:40 PM - 03:45 PM	47.3
10:25 AM - 10:30 AM	48.4	01:05 PM - 01:10 PM	49.1	03:45 PM - 03:50 PM	47.3
10:30 AM - 10:35 AM	49.4	01:10 PM - 01:15 PM	48.0	03:50 PM - 03:55 PM	46.5
10:35 AM - 10:40 AM	48.2	01:15 PM - 01:20 PM	48.7	03:55 PM - 04:00 PM	47.4
10:40 AM - 10:45 AM	48.0	01:20 PM - 01:25 PM	46.3	04:00 PM - 04:05 PM	48.2
10:45 AM - 10:50 AM	49.9	01:25 PM - 01:30 PM	45.4	04:05 PM - 04:10 PM	47.5
10:50 AM - 10:55 AM	47.7	01:30 PM - 01:35 PM	46.8	04:10 PM - 04:15 PM	46.8
10:55 AM - 11:00 AM	48.0	01:35 PM - 01:40 PM	44.9	04:15 PM - 04:20 PM	47.2
11:00 AM - 11:05 AM	52.4	01:40 PM - 01:45 PM	46.1	04:20 PM - 04:25 PM	47.7
11:05 AM - 11:10 AM	49.9	01:45 PM - 01:50 PM	45.3	04:25 PM - 04:30 PM	49.9
11:10 AM - 11:15 AM	47.5	01:50 PM - 01:55 PM	46.9	04:30 PM - 04:35 PM	47.5
11:15 AM - 11:20 AM	48.0	01:55 PM - 02:00 PM	45.0	04:35 PM - 04:40 PM	48.0
11:20 AM - 11:25 AM	47.0	02:00 PM - 02:05 PM	45.8	04:40 PM - 04:45 PM	47.4
11:25 AM - 11:30 AM	51.3	02:05 PM - 02:10 PM	45.2	04:45 PM - 04:50 PM	47.4
11:30 AM - 11:35 AM	48.6	02:10 PM - 02:15 PM	45.4	04:50 PM - 04:55 PM	47.1
11:35 AM - 11:40 AM	47.5	02:15 PM - 02:20 PM	45.0	04:55 PM - 05:00 PM	48.8
11:40 AM - 11:45 AM	46.8	02:20 PM - 02:25 PM	50.2	05:00 PM - 05:05 PM	47.8
11:45 AM - 11:50 AM	45.3	02:25 PM - 02:30 PM	45.8	05:05 PM - 05:10 PM	46.7
11:50 AM - 11:55 AM	46.9	02:30 PM - 02:35 PM	46.4	05:10 PM - 05:15 PM	48.6
11:55 AM - 12:00 PM	46.7	02:35 PM - 02:40 PM	45.7	05:15 PM - 05:20 PM	46.0
12:00 PM - 12:05 PM	48.5	02:40 PM - 02:45 PM	45.4	05:20 PM - 05:25 PM	48.1
12:05 PM - 12:10 PM	47.2	02:45 PM - 02:50 PM	47.4	05:25 PM - 05:30 PM	46.6
12:10 PM - 12:15 PM	44.8	02:50 PM - 02:55 PM	46.6	05:30 PM - 05:35 PM	46.8
12:15 PM - 12:20 PM	44.0	02:55 PM - 03:00 PM	45.6	05:35 PM - 05:40 PM	44.5
12:20 PM - 12:25 PM	45.6	03:00 PM - 03:05 PM	45.4	05:40 PM - 05:45 PM	47.4
12:25 PM - 12:30 PM	44.2	03:05 PM - 03:10 PM	45.8	05:45 PM - 05:50 PM	46.0
12:30 PM - 12:35 PM	45.2	03:10 PM - 03:15 PM	46.3	05:50 PM - 05:55 PM	46.4
12:35 PM - 12:40 PM	45.6	03:15 PM - 03:20 PM	44.9	05:55 PM - 06:00 PM	48.2

The above results are valid only for the analysed/tested sample(s) as indicated in the report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that the report is not reproduced except in full.

Approved by

Sarayuht Jitranont
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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599244
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3459529-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number : 2599244-3
Parameter : Noise Level (Leq 5 min)
Location : บริเวณพื้นที่ใกล้ทางเดินเข้าพื้นที่ของโครงการ (N1) (GPS 47P 0745579, 1426753)
Measurement Date : Nov 18 - Nov 19, 2025
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 531298

Nov 18, 2025		L90		Nov 18, 2025		L90		Nov 18 - Nov 19, 2025		L90	
Time	Leq	dB(A)	Time	Leq	dB(A)	Time	Leq	Time	Leq	dB(A)	
06:00 PM - 06:05 PM	45.0	44.1	08:40 PM - 08:45 PM	57.5	48.6	11:20 PM - 11:25 PM	47.5	46.9			
06:05 PM - 06:10 PM	45.7	44.7	08:45 PM - 08:50 PM	53.7	48.1	11:25 PM - 11:30 PM	47.8	47.1			
06:10 PM - 06:15 PM	46.0	45.1	08:50 PM - 08:55 PM	49.5	48.7	11:30 PM - 11:35 PM	47.5	47.0			
06:15 PM - 06:20 PM	46.4	45.6	09:00 PM - 09:05 PM	49.5	48.6	11:35 PM - 11:40 PM	48.1	47.6			
06:20 PM - 06:25 PM	46.4	45.7	09:05 PM - 09:10 PM	48.9	48.1	11:40 PM - 11:45 PM	48.1	47.8			
06:25 PM - 06:30 PM	48.4	47.7	09:10 PM - 09:15 PM	48.9	48.2	11:45 PM - 11:50 PM	48.3	47.7			
06:30 PM - 06:35 PM	47.9	47.4	09:15 PM - 09:20 PM	50.0	48.6	11:50 PM - 11:55 PM	49.6	47.7			
06:35 PM - 06:40 PM	47.8	47.2	09:20 PM - 09:25 PM	50.0	48.6	11:55 PM - 12:00 AM	48.4	47.6			
06:40 PM - 06:45 PM	47.6	46.9	09:25 PM - 09:30 PM	47.6	48.7	12:00 AM - 12:05 AM	48.4	47.6			
06:45 PM - 06:50 PM	47.6	45.6	09:30 PM - 09:35 PM	50.1	48.5	12:05 AM - 12:10 AM	49.7	48.2			
06:50 PM - 06:55 PM	48.4	45.4	09:35 PM - 09:40 PM	48.9	48.1	12:10 AM - 12:15 AM	49.4	48.0			
06:55 PM - 07:00 PM	46.6	45.9	09:40 PM - 09:45 PM	49.6	48.5	12:15 AM - 12:20 AM	50.9	48.0			
07:00 PM - 07:05 PM	46.8	46.9	09:45 PM - 09:50 PM	49.2	48.5	12:20 AM - 12:25 AM	48.8	47.4			
07:05 PM - 07:10 PM	48.3	47.8	09:50 PM - 09:55 PM	48.9	48.3	12:25 AM - 12:30 AM	47.8	47.4			
07:10 PM - 07:15 PM	48.3	47.8	09:55 PM - 10:00 PM	48.7	48.0	12:30 AM - 12:35 AM	48.8	47.7			
07:15 PM - 07:20 PM	48.2	47.6	10:00 PM - 10:05 PM	48.7	47.7	12:40 AM - 12:45 AM	48.0	47.3			
07:20 PM - 07:25 PM	48.2	47.7	10:05 PM - 10:10 PM	48.1	47.6	12:45 AM - 12:50 AM	48.0	47.7			
07:25 PM - 07:30 PM	50.4	47.6	10:10 PM - 10:15 PM	48.3	47.7	12:50 AM - 12:55 AM	47.8	47.3			
07:30 PM - 07:35 PM	48.2	47.7	10:15 PM - 10:20 PM	47.7	47.7	12:55 AM - 01:00 AM	48.1	47.5			
07:35 PM - 07:40 PM	48.2	47.8	10:20 PM - 10:25 PM	48.1	47.4	01:00 AM - 01:05 AM	48.5	47.4			
07:40 PM - 07:45 PM	50.4	47.7	10:25 PM - 10:30 PM	48.7	47.9	01:05 AM - 01:10 AM	48.0	47.3			
07:45 PM - 07:50 PM	50.4	47.7	10:30 PM - 10:35 PM	48.4	47.8	01:10 AM - 01:15 AM	50.0	48.5			
07:50 PM - 07:55 PM	49.2	48.2	10:35 PM - 10:40 PM	48.6	48.1	01:15 AM - 01:20 AM	48.0	47.7			
07:55 PM - 08:00 PM	49.2	48.2	10:40 PM - 10:45 PM	48.2	47.6	01:20 AM - 01:25 AM	48.5	47.6			
08:00 PM - 08:05 PM	50.4	48.9	10:45 PM - 10:50 PM	48.7	47.5	01:25 AM - 01:30 AM	48.3	47.5			
08:05 PM - 08:10 PM	49.3	48.9	10:50 PM - 10:55 PM	48.3	47.7	01:30 AM - 01:35 AM	48.5	47.9			
08:10 PM - 08:15 PM	49.0	47.9	10:55 PM - 11:00 PM	48.4	47.8	01:35 AM - 01:40 AM	48.2	47.5			
08:15 PM - 08:20 PM	48.9	48.1	11:00 PM - 11:05 PM	49.2	47.7	01:40 AM - 01:45 AM	48.3	47.4			
08:20 PM - 08:25 PM	49.2	48.3	11:05 PM - 11:10 PM	47.5	47.9	01:45 AM - 01:50 AM	47.2	47.2			
08:25 PM - 08:30 PM	49.2	48.6	11:10 PM - 11:15 PM	48.1	47.1	01:50 AM - 01:55 AM	51.7	48.7			
08:30 PM - 08:35 PM	49.6	48.6	11:15 PM - 11:20 PM	47.5	46.9	01:55 AM - 02:00 AM	52.4	50.0			



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599244
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3459529-1

Page 3 of 3

Sample Number : 2599244-3
Parameter : Noise Level (Leq 5 min)
Location : บริเวณพื้นที่ใกล้ทางเข้าด้านทิศใต้ของโครงการ (N1) (GPS 47P 0745579, 1426753)
Measurement Date : Nov 18 - Nov 19, 2025
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 531298

Nov 19, 2025			Nov 19, 2025			Nov 19, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
02:00 AM - 02:05 AM	55.1	52.6	04:40 AM - 04:45 AM	47.3	46.8	07:20 AM - 07:25 AM	54.7	47.6
02:05 AM - 02:10 AM	55.9	54.9	04:45 AM - 04:50 AM	47.6	47.0	07:25 AM - 07:30 AM	50.9	48.0
02:10 AM - 02:15 AM	56.9	55.8	04:50 AM - 04:55 AM	49.7	47.3	07:30 AM - 07:35 AM	49.7	47.4
02:15 AM - 02:20 AM	55.0	52.8	04:55 AM - 05:00 AM	47.6	47.0	07:35 AM - 07:40 AM	49.7	47.4
02:20 AM - 02:25 AM	53.5	51.9	05:00 AM - 05:05 AM	48.0	47.3	07:40 AM - 07:45 AM	50.7	47.5
02:25 AM - 02:30 AM	51.4	47.9	05:05 AM - 05:10 AM	47.5	46.9	07:45 AM - 07:50 AM	51.0	48.2
02:30 AM - 02:35 AM	47.4	46.5	05:10 AM - 05:15 AM	47.7	47.0	07:50 AM - 07:55 AM	51.7	47.9
02:35 AM - 02:40 AM	47.7	46.9	05:15 AM - 05:20 AM	47.6	47.1	07:55 AM - 08:00 AM	51.5	48.0
02:40 AM - 02:45 AM	49.5	47.0	05:20 AM - 05:25 AM	47.7	47.1	08:00 AM - 08:05 AM	50.8	48.6
02:45 AM - 02:50 AM	47.6	47.0	05:25 AM - 05:30 AM	47.2	46.7	08:05 AM - 08:10 AM	50.8	47.6
02:50 AM - 02:55 AM	48.2	47.0	05:30 AM - 05:35 AM	47.9	46.9	08:10 AM - 08:15 AM	49.9	47.2
02:55 AM - 03:00 AM	49.4	46.7	05:35 AM - 05:40 AM	48.3	46.9	08:15 AM - 08:20 AM	50.1	47.5
03:00 AM - 03:05 AM	47.1	46.5	05:40 AM - 05:45 AM	48.0	46.9	08:20 AM - 08:25 AM	49.7	46.7
03:05 AM - 03:10 AM	47.0	46.6	05:45 AM - 05:50 AM	48.8	47.2	08:25 AM - 08:30 AM	48.3	46.5
03:10 AM - 03:15 AM	47.1	46.3	05:50 AM - 05:55 AM	49.3	47.7	08:30 AM - 08:35 AM	55.6	46.6
03:15 AM - 03:20 AM	46.6	46.3	05:55 AM - 06:00 AM	49.5	46.9	08:35 AM - 08:40 AM	62.8	46.6
03:20 AM - 03:25 AM	47.1	46.5	06:00 AM - 06:05 AM	65.1	47.2	08:40 AM - 08:45 AM	48.2	46.3
03:25 AM - 03:30 AM	47.5	46.8	06:05 AM - 06:10 AM	49.2	47.3	08:45 AM - 08:50 AM	57.8	47.3
03:30 AM - 03:35 AM	47.4	46.7	06:10 AM - 06:15 AM	49.1	47.4	08:50 AM - 08:55 AM	54.2	48.2
03:35 AM - 03:40 AM	46.8	46.3	06:15 AM - 06:20 AM	49.3	47.0	08:55 AM - 09:00 AM	49.8	47.1
03:40 AM - 03:45 AM	46.8	46.4	06:20 AM - 06:25 AM	49.0	47.4	09:00 AM - 09:05 AM	47.6	46.1
03:45 AM - 03:50 AM	47.0	46.6	06:25 AM - 06:30 AM	47.7	46.7	09:05 AM - 09:10 AM	49.4	47.0
03:50 AM - 03:55 AM	47.2	46.7	06:30 AM - 06:35 AM	49.0	47.2	09:10 AM - 09:15 AM	53.0	47.4
03:55 AM - 04:00 AM	47.1	46.7	06:35 AM - 06:40 AM	49.2	46.5	09:15 AM - 09:20 AM	51.3	48.2
04:00 AM - 04:05 AM	47.2	46.8	06:40 AM - 06:45 AM	48.7	46.6	09:20 AM - 09:25 AM	53.7	49.9
04:05 AM - 04:10 AM	47.5	46.9	06:45 AM - 06:50 AM	49.3	46.2	09:25 AM - 09:30 AM	53.5	50.7
04:10 AM - 04:15 AM	47.4	46.7	06:50 AM - 06:55 AM	49.0	46.5	09:30 AM - 09:35 AM	52.0	48.9
04:15 AM - 04:20 AM	47.2	46.7	06:55 AM - 07:00 AM	51.2	46.9	09:35 AM - 09:40 AM	54.1	48.9
04:20 AM - 04:25 AM	47.1	46.6	07:00 AM - 07:05 AM	51.5	47.3	09:40 AM - 09:45 AM	53.3	50.3
04:25 AM - 04:30 AM	47.3	46.9	07:05 AM - 07:10 AM	50.6	46.3	09:45 AM - 09:50 AM	52.9	49.5
04:30 AM - 04:35 AM	47.4	46.8	07:10 AM - 07:15 AM	47.9	45.9	09:50 AM - 09:55 AM	50.4	48.2
04:35 AM - 04:40 AM	47.3	46.7	07:15 AM - 07:20 AM	48.5	46.5	09:55 AM - 10:00 AM	47.9	46.6

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Sarayuht Jitranont
Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599244
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3459530-1

Page 2 of 3

Sample Number : 2599244-4
Parameter : Noise Level (Leq 5 min)
Location : บริเวณพื้นที่ใกล้ทางเข้าด้านทิศใต้ของโครงการ (N1) (GPS 47P 0745579, 1426753)
Measurement Date : Nov 19 - Nov 20, 2025
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 531298

Nov 19, 2025			Nov 19, 2025			Nov 19 - Nov 20, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
05:00 PM - 05:05 PM	47.3	45.9	08:40 PM - 08:45 PM	50.5	49.3	11:20 PM - 11:25 PM	49.2	48.2
05:05 PM - 05:10 PM	47.8	46.3	08:45 PM - 08:50 PM	50.0	49.0	11:25 PM - 11:30 PM	48.5	47.3
05:10 PM - 05:15 PM	48.7	47.5	08:50 PM - 08:55 PM	50.3	48.8	11:30 PM - 11:35 PM	49.6	48.5
05:15 PM - 05:20 PM	48.7	47.7	08:55 PM - 09:00 PM	50.8	49.2	11:35 PM - 11:40 PM	49.1	47.8
05:20 PM - 05:25 PM	49.5	48.3	09:00 PM - 09:05 PM	51.9	49.4	11:40 PM - 11:45 PM	49.8	48.3
05:25 PM - 05:30 PM	52.2	50.0	09:05 PM - 09:10 PM	51.6	49.9	11:45 PM - 11:50 PM	50.5	49.2
05:30 PM - 05:35 PM	50.1	48.9	09:10 PM - 09:15 PM	51.2	49.4	11:50 PM - 11:55 PM	52.3	49.7
05:35 PM - 05:40 PM	51.3	49.4	09:15 PM - 09:20 PM	50.3	48.9	11:55 PM - 12:00 AM	51.8	49.7
05:40 PM - 05:45 PM	52.8	49.9	09:20 PM - 09:25 PM	51.6	49.6	12:00 AM - 12:05 AM	51.0	49.8
05:45 PM - 05:50 PM	52.9	50.3	09:25 PM - 09:30 PM	49.9	48.8	12:05 AM - 12:10 AM	50.5	48.5
05:50 PM - 05:55 PM	51.6	49.3	09:30 PM - 09:35 PM	49.2	48.6	12:10 AM - 12:15 AM	50.2	49.2
05:55 PM - 06:00 PM	51.0	49.2	09:35 PM - 09:40 PM	49.6	48.7	12:15 AM - 12:20 AM	49.8	47.7
06:00 PM - 06:05 PM	52.4	49.4	09:40 PM - 09:45 PM	49.7	48.6	12:20 AM - 12:25 AM	49.9	48.1
06:05 PM - 06:10 PM	51.1	49.5	09:45 PM - 09:50 PM	49.7	49.0	12:25 AM - 12:30 AM	50.1	48.1
06:10 PM - 06:15 PM	51.1	49.1	09:50 PM - 09:55 PM	50.0	49.0	12:30 AM - 12:35 AM	50.0	48.8
06:15 PM - 06:20 PM	51.9	50.1	09:55 PM - 10:00 PM	50.3	49.3	12:35 AM - 12:40 AM	49.4	47.8
06:20 PM - 06:25 PM	52.2	49.7	10:00 PM - 10:05 PM	49.9	48.0	12:40 AM - 12:45 AM	49.8	48.8
06:25 PM - 06:30 PM	50.7	49.3	10:05 PM - 10:10 PM	49.7	48.0	12:45 AM - 12:50 AM	51.4	49.7
06:30 PM - 06:35 PM	53.8	49.9	10:10 PM - 10:15 PM	50.6	48.7	12:50 AM - 12:55 AM	49.1	47.8
06:35 PM - 06:40 PM	51.3	49.2	10:15 PM - 10:20 PM	51.3	49.0	12:55 AM - 01:00 AM	49.3	48.2
06:40 PM - 06:45 PM	51.5	49.5	10:20 PM - 10:25 PM	51.3	48.6	01:00 AM - 01:05 AM	51.5	47.9
06:45 PM - 06:50 PM	50.9	49.1	10:25 PM - 10:30 PM	52.1	48.2	01:05 AM - 01:10 AM	52.6	49.0
06:50 PM - 06:55 PM	50.7	49.1	10:30 PM - 10:35 PM	53.3	49.4	01:10 AM - 01:15 AM	51.0	48.3
06:55 PM - 07:00 PM	50.9	49.1	10:35 PM - 10:40 PM	50.7	48.8	01:15 AM - 01:20 AM	50.6	49.0
07:00 PM - 07:05 PM	50.7	49.2	10:40 PM - 10:45 PM	51.2	49.4	01:20 AM - 01:25 AM	49.6	48.2
07:05 PM - 07:10 PM	50.3	49.0	10:45 PM - 10:50 PM	51.4	49.5	01:25 AM - 01:30 AM	49.9	47.7
07:10 PM - 07:15 PM	51.1	49.5	10:50 PM - 10:55 PM	49.5	48.1	01:30 AM - 01:35 AM	48.7	47.2
07:15 PM - 07:20 PM	51.9	50.1	10:55 PM - 11:00 PM	50.9	47.7	01:35 AM - 01:40 AM	48.3	46.8
07:20 PM - 07:25 PM	52.2	49.7	11:00 PM - 11:05 PM	48.6	47.8	01:40 AM - 01:45 AM	51.9	47.1
07:25 PM - 07:30 PM	50.7	49.3	11:05 PM - 11:10 PM	48.4	47.8	01:45 AM - 01:50 AM	49.3	47.0
07:30 PM - 07:35 PM	53.8	49.9	11:10 PM - 11:15 PM	48.9	47.4	01:50 AM - 01:55 AM	48.8	47.1
07:35 PM - 07:40 PM	51.3	49.2	11:15 PM - 11:20 PM	49.0	47.6	01:55 AM - 02:00 AM	49.1	47.4
07:40 PM - 07:45 PM	51.5	49.5						
07:45 PM - 07:50 PM	50.9	49.1						
07:50 PM - 07:55 PM	50.7	49.1						
07:55 PM - 08:00 PM	50.9	49.1						
08:00 PM - 08:05 PM	50.7	49.2						
08:05 PM - 08:10 PM	50.3	49.0						
08:10 PM - 08:15 PM	50.5	49.5						
08:15 PM - 08:20 PM	50.7	49.2						
08:20 PM - 08:25 PM	50.9	49.6						
08:25 PM - 08:30 PM	50.4	48.8						
08:30 PM - 08:35 PM	51.0	49.3						
08:35 PM - 08:40 PM	51.1	49.2						

The above results are valid only for the analysed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Sarayuht Jitranont
Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599244
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3459530-1

Page 1 of 3

Sample Number : 2599244-4
Parameter : Noise Level (Leq 5 min)
Location : บริเวณพื้นที่ใกล้ทางเข้าด้านทิศใต้ของโครงการ (N1) (GPS 47P 0745579, 1426753)
Measurement Date : Nov 19 - Nov 20, 2025
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 531298

Nov 19, 2025			Nov 19, 2025			Nov 19, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
10:00 AM - 10:05 AM	49.5	47.4	12:40 PM - 12:45 PM	50.7	48.2	03:20 PM - 03:25 PM	49.7	47.8
10:05 AM - 10:10 AM	51.1	49.0	12:45 PM - 12:50 PM	54.7	48.7	03:25 PM - 03:30 PM	49.7	46.2
10:10 AM - 10:15 AM	52.7	48.0	12:50 PM - 12:55 PM	52.9	48.7	03:30 PM - 03:35 PM	47.2	46.1
10:15 AM - 10:20 AM	49.3	47.6	12:55 PM - 01:00 PM	51.1	47.9	03:35 PM - 03:40 PM	47.1	45.6
10:20 AM - 10:25 AM	54.2	49.8	01:00 PM - 01:05 PM	46.8	44.2	03:40 PM - 03:45 PM	47.5	45.6
10:25 AM - 10:30 AM	51.4	48.8	01:05 PM - 01:10 PM	50.9	46.9	03:45 PM - 03:50 PM	46.8	45.5
10:30 AM - 10:35 AM	51.0	48.8	01:10 PM - 01:15 PM	52.6	49.5	03:50 PM - 03:55 PM	48.6	46.2
10:35 AM - 10:40 AM	51.1	48.5	01:15 PM - 01:20 PM	53.9	49.8	03:55 PM - 04:00 PM	49.4	46.8
10:40 AM - 10:45 AM	49.7	48.1	01:20 PM - 01:25 PM	50.9	47.0	04:00 PM - 04:05 PM	50.9	47.9
10:45 AM - 10:50 AM	51.4	47.7	01:25 PM - 01:30 PM	53.7	49.8	04:05 PM - 04:10 PM	50.9	48.1
10:50 AM - 10:55 AM	49.3	46.8	01:30 PM - 01:35 PM	53.8	49.9	04:10 PM - 04:15 PM	49.8	46.4
10:55 AM - 11:00 AM	50.5	47.9	01:35 PM - 01:40 PM	52.1	48.5	04:15 PM - 04:20 PM	48.3	46.4
11:00 AM - 11:05 AM	51.3	49.0	01:40 PM - 01:45 PM	49.6	46.3	04:20 PM - 04:25 PM	47.5	45.4
11:05 AM - 11:10 AM	48.6	46.6	01:45 PM - 01:50 PM	48.3	46.8	04:25 PM - 04:30 PM	46.9	45.6
11:10 AM - 11:15 AM	48.5	46.2	01:50 PM - 01:55 PM	50.8	46.9	04:30 PM - 04:35 PM	46.9	45.6
11:15 AM - 11:20 AM	50.4	48.1	01:55 PM - 02:00 PM	50.7	46.9	04:35 PM - 04:40 PM	47.1	46.1
11:20 AM - 11:25 AM	49.7	47.0	02:00 PM - 02:05 PM	50.6	48.4	04:40 PM - 04:45 PM	48.5	46.4
11:25 AM - 11:30 AM	49.5	47.4	02:05 PM - 02:10 PM	50.3	47.7	04:45 PM - 04:50 PM	47.1	45.9
11:30 AM - 11:35 AM	48.5	46.8	02:10 PM - 02:15 PM	48.9	46.4	04:50 PM - 04:55 PM	47.7	46.0
11:35 AM - 11:40 AM	46.35	44.1	02:15 PM - 02:20 PM	49.2	46.7	04:55 PM - 05:00 PM	47.2	46.2
11:40 AM - 11:45 AM	47.7	46.0	02:20 PM - 02:25 PM	49.1	46.7	05:00 PM - 05:05 PM	47.8	46.1
11:45 AM - 11:50 AM	47.5	46.0	02:25 PM - 02:30 PM	50.4	47.5	05:05 PM - 05:10 PM	48.3	47.0
11:50 AM - 11:55 AM	49.0	45.5	02:30 PM - 02:35 PM	52.0	48.8	05:10 PM - 05:15 PM	49.6	47.0
11:55 AM - 12:00 PM	51.5	47.6	02:35 PM - 02:40 PM	49.7	46.2	05:15 PM - 05:20 PM	47.3	46.3
12:00 PM - 12:05 PM	49.0	47.1	02:40 PM - 02:45 PM	51.2	47.6	05:20 PM - 05:25 PM	47.7	46.3
12:05 PM - 12:10 PM	50.8	48.2	02:45 PM - 02:50 PM	50.7	47.1	05:25 PM - 05:30 PM	48.8	47.0
12:10 PM - 12:15 PM	51.7	48.4	02:50 PM - 02:55 PM	50.1	48.1	05:30 PM - 05:35 PM	47.2	46.1
12:15 PM - 12:20 PM	54.7	49.3	02:55 PM - 03:00 PM	51.4	48.3	05:35 PM - 05:40 PM	47.3	46.1
12:20 PM - 12:25 PM	49.3	47.3	03:00 PM - 03:05 PM	49.5	46.9	05:40 PM - 05:45 PM	48.3	46.8
12:25 PM - 12:30 PM	50.3	48.0	03:05 PM - 03:10 PM	49.6	47.0	05:45 PM - 05:50 PM	48.3	46.8
12:30 PM - 12:35 PM	53.1	48.4	03:10 PM - 03:15 PM	48.7	47.2	05:50 PM - 05:55 PM	51.2	46.5
12:35 PM - 12:40 PM	50.4	49.9	03:15 PM - 03:20 PM	49.0	46.6	05:55 PM - 06:00 PM	48.4	46.6



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599244
Date Received : Nov 24, 2025
Date Reported : Nov 29, 2025
Report Number : 3459531-1

Page 1 of 3

Sample Number 2599244-5
Parameter Noise Level (Leq 5 min)
Location บริเวณพื้นที่ใกล้ทางเดินเข้าพื้นที่ของโรงสาร (N1) (GPS 47° 07'45579, 1426753)
Measurement Date Nov 20 - Nov 21, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531298

Nov 20, 2025		Nov 20, 2025		Nov 20, 2025		Nov 20, 2025	
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)
10:00 AM - 10:05 AM	51.7	49.8	12:40 PM - 12:45 PM	49.2	47.7	03:20 PM - 03:25 PM	56.9
10:05 AM - 10:10 AM	53.1	48.6	12:45 PM - 12:50 PM	48.5	47.1	03:25 PM - 03:30 PM	52.7
10:10 AM - 10:15 AM	54.9	52.1	12:50 PM - 12:55 PM	48.8	47.3	03:30 PM - 03:35 PM	50.1
10:15 AM - 10:20 AM	52.5	49.6	12:55 PM - 01:00 PM	48.5	47.5	03:35 PM - 03:40 PM	51.3
10:20 AM - 10:25 AM	51.5	49.2	01:00 PM - 01:05 PM	50.8	47.9	03:40 PM - 03:45 PM	48.0
10:25 AM - 10:30 AM	52.5	49.9	01:05 PM - 01:10 PM	50.2	47.7	03:45 PM - 03:50 PM	50.1
10:30 AM - 10:35 AM	50.6	49.2	01:10 PM - 01:15 PM	49.9	47.3	03:50 PM - 03:55 PM	50.7
10:35 AM - 10:40 AM	50.1	48.4	01:15 PM - 01:20 PM	49.5	47.8	03:55 PM - 04:00 PM	50.0
10:40 AM - 10:45 AM	49.0	47.5	01:20 PM - 01:25 PM	49.9	47.5	04:00 PM - 04:05 PM	50.8
10:45 AM - 10:50 AM	50.6	47.8	01:25 PM - 01:30 PM	49.4	47.1	04:05 PM - 04:10 PM	50.1
10:50 AM - 10:55 AM	49.0	47.9	01:35 PM - 01:35 PM	49.1	47.0	04:10 PM - 04:15 PM	52.7
10:55 AM - 11:00 AM	47.7	46.4	01:35 PM - 01:40 PM	48.5	46.7	04:15 PM - 04:20 PM	52.0
11:00 AM - 11:05 AM	48.4	46.5	01:40 PM - 01:45 PM	48.5	46.8	04:20 PM - 04:25 PM	51.6
11:05 AM - 11:10 AM	48.5	46.6	01:45 PM - 01:50 PM	48.2	46.9	04:25 PM - 04:30 PM	51.2
11:10 AM - 11:15 AM	50.2	49.0	01:50 PM - 01:55 PM	49.0	47.7	04:30 PM - 04:35 PM	50.7
11:15 AM - 11:20 AM	50.4	47.6	01:55 PM - 02:00 PM	48.1	46.8	04:35 PM - 04:40 PM	50.0
11:20 AM - 11:25 AM	49.1	47.6	02:00 PM - 02:05 PM	49.5	47.1	04:40 PM - 04:45 PM	51.4
11:25 AM - 11:30 AM	50.6	48.7	02:05 PM - 02:10 PM	48.6	47.1	04:45 PM - 04:50 PM	50.3
11:30 AM - 11:35 AM	54.9	49.8	02:10 PM - 02:15 PM	51.3	47.6	04:50 PM - 04:55 PM	50.6
11:35 AM - 11:40 AM	50.2	49.5	02:15 PM - 02:20 PM	52.8	48.4	04:55 PM - 05:00 PM	51.3
11:40 AM - 11:45 AM	50.4	49.2	02:20 PM - 02:25 PM	49.7	47.6	05:00 PM - 05:05 PM	51.9
11:45 AM - 11:50 AM	51.1	48.8	02:25 PM - 02:30 PM	48.2	46.8	05:05 PM - 05:10 PM	51.3
11:50 AM - 11:55 AM	50.4	48.4	02:30 PM - 02:35 PM	51.6	48.5	05:10 PM - 05:15 PM	50.9
11:55 AM - 12:00 PM	50.6	47.9	02:35 PM - 02:40 PM	51.4	48.0	05:15 PM - 05:20 PM	54.6
12:00 PM - 12:05 PM	50.2	48.2	02:40 PM - 02:45 PM	47.9	46.7	05:20 PM - 05:25 PM	50.8
12:05 PM - 12:10 PM	52.2	49.7	02:45 PM - 02:50 PM	51.0	47.9	05:25 PM - 05:30 PM	49.2
12:10 PM - 12:15 PM	50.2	48.1	02:50 PM - 02:55 PM	52.1	49.1	05:30 PM - 05:35 PM	49.1
12:15 PM - 12:20 PM	49.8	48.0	02:55 PM - 03:00 PM	49.8	47.1	05:35 PM - 05:40 PM	49.2
12:20 PM - 12:25 PM	49.8	48.1	03:00 PM - 03:05 PM	50.0	47.5	05:40 PM - 05:45 PM	48.6
12:25 PM - 12:30 PM	49.1	47.5	03:05 PM - 03:10 PM	47.9	46.5	05:45 PM - 05:50 PM	49.3
12:30 PM - 12:35 PM	49.1	47.5	03:10 PM - 03:15 PM	50.5	45.7	05:50 PM - 05:55 PM	49.9
12:35 PM - 12:40 PM	48.8	47.4	03:15 PM - 03:20 PM	55.6	51.5	05:55 PM - 06:00 PM	48.8

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Approved by

Sarayuht Jitranont
Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599244
Date Received : Nov 24, 2025
Date Reported : Nov 29, 2025
Report Number : 3459531-1

Page 2 of 3

Sample Number 2599244-5
Parameter Noise Level (Leq 5 min)
Location บริเวณพื้นที่ใกล้ทางเดินเข้าพื้นที่ของโรงสาร (N1) (GPS 47° 07'45579, 1426753)
Measurement Date Nov 20 - Nov 21, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531298

Nov 20, 2025		Nov 20, 2025		Nov 20, 2025		Nov 20 - Nov 21, 2025	
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)
06:00 PM - 06:05 PM	48.1	46.9	08:40 PM - 08:45 PM	49.0	47.3	11:20 PM - 11:25 PM	49.3
06:05 PM - 06:10 PM	48.4	47.1	08:45 PM - 08:50 PM	50.3	47.6	11:25 PM - 11:30 PM	48.2
06:10 PM - 06:15 PM	48.2	47.2	08:50 PM - 08:55 PM	50.2	47.8	11:30 PM - 11:35 PM	48.1
06:15 PM - 06:20 PM	48.2	47.5	08:55 PM - 09:00 PM	49.6	47.7	11:35 PM - 11:40 PM	49.5
06:20 PM - 06:25 PM	48.4	47.7	09:00 PM - 09:05 PM	48.7	47.5	11:40 PM - 11:45 PM	47.7
06:25 PM - 06:30 PM	48.7	47.8	09:05 PM - 09:10 PM	48.7	47.7	11:45 PM - 11:50 PM	48.2
06:30 PM - 06:35 PM	48.8	48.2	09:10 PM - 09:15 PM	48.4	47.7	11:50 PM - 11:55 PM	47.2
06:35 PM - 06:40 PM	48.6	47.9	09:15 PM - 09:20 PM	48.3	47.5	11:55 PM - 12:00 AM	47.2
06:40 PM - 06:45 PM	48.6	47.8	09:20 PM - 09:25 PM	48.3	47.5	12:00 AM - 12:05 AM	47.7
06:45 PM - 06:50 PM	47.9	46.9	09:25 PM - 09:30 PM	48.8	47.6	12:05 AM - 12:10 AM	48.6
06:50 PM - 06:55 PM	48.1	47.3	09:30 PM - 09:35 PM	48.3	47.5	12:10 AM - 12:15 AM	48.9
06:55 PM - 07:00 PM	48.1	47.2	09:35 PM - 09:40 PM	48.2	47.4	12:15 AM - 12:20 AM	48.4
07:00 PM - 07:05 PM	48.4	47.5	09:40 PM - 09:45 PM	48.1	47.3	12:20 AM - 12:25 AM	48.1
07:05 PM - 07:10 PM	48.6	47.7	09:45 PM - 09:50 PM	47.6	46.8	12:25 AM - 12:30 AM	48.1
07:10 PM - 07:15 PM	48.3	47.4	09:50 PM - 09:55 PM	47.9	47.2	12:30 AM - 12:35 AM	51.1
07:15 PM - 07:20 PM	48.4	47.4	09:55 PM - 10:00 PM	47.8	47.2	12:35 AM - 12:40 AM	48.5
07:20 PM - 07:25 PM	47.9	47.0	10:00 PM - 10:05 PM	49.2	46.9	12:40 AM - 12:45 AM	47.5
07:25 PM - 07:30 PM	48.2	47.3	10:05 PM - 10:10 PM	47.7	46.9	12:45 AM - 12:50 AM	48.3
07:30 PM - 07:35 PM	49.0	47.7	10:10 PM - 10:15 PM	47.6	46.8	12:50 AM - 12:55 AM	48.8
07:35 PM - 07:40 PM	48.4	47.4	10:15 PM - 10:20 PM	47.5	46.7	12:55 AM - 01:00 AM	48.7
07:40 PM - 07:45 PM	48.2	47.6	10:20 PM - 10:25 PM	47.4	46.8	01:00 AM - 01:05 AM	48.8
07:45 PM - 07:50 PM	49.3	47.6	10:25 PM - 10:30 PM	47.8	47.1	01:05 AM - 01:10 AM	48.4
07:50 PM - 07:55 PM	48.6	47.4	10:30 PM - 10:35 PM	47.6	47.0	01:10 AM - 01:15 AM	48.2
07:55 PM - 08:00 PM	49.0	48.0	10:35 PM - 10:40 PM	47.7	46.7	01:15 AM - 01:20 AM	47.5
08:00 PM - 08:05 PM	49.6	48.3	10:40 PM - 10:45 PM	49.0	46.5	01:20 AM - 01:25 AM	49.2
08:05 PM - 08:10 PM	49.4	48.1	10:45 PM - 10:50 PM	48.4	46.8	01:25 AM - 01:30 AM	48.0
08:10 PM - 08:15 PM	52.5	47.6	10:50 PM - 10:55 PM	52.5	46.6	01:30 AM - 01:35 AM	48.6
08:15 PM - 08:20 PM	48.6	47.6	10:55 PM - 11:00 PM	48.8	46.5	01:35 AM - 01:40 AM	47.0
08:20 PM - 08:25 PM	49.7	47.7	11:00 PM - 11:05 PM	49.2	47.2	01:40 AM - 01:45 AM	49.7
08:25 PM - 08:30 PM	49.5	47.5	11:05 PM - 11:10 PM	48.0	47.3	01:45 AM - 01:50 AM	47.5
08:30 PM - 08:35 PM	55.2	49.7	11:10 PM - 11:15 PM	50.9	47.1	01:50 AM - 01:55 AM	47.0
08:35 PM - 08:40 PM	52.5	50.0	11:15 PM - 11:20 PM	48.3	47.3	01:55 AM - 02:00 AM	48.1

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Approved by

Sarayuht Jitranont
Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599244
Date Received : Nov 24, 2025
Date Reported : Nov 29, 2025
Report Number : 3459531-1

Page 3 of 3

Sample Number 2599244-5
Parameter Noise Level (Leq 5 min)
Location บริเวณพื้นที่ใกล้ทางเดินเข้าพื้นที่ของโรงสาร (N1) (GPS 47° 07'45579, 1426753)
Measurement Date Nov 20 - Nov 21, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531298

Nov 21, 2025		Nov 21, 2025		Nov 21, 2025		Nov 21, 2025	
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)
02:00 AM - 02:05 AM	47.0	45.9	04:40 AM - 04:45 AM	49.3	47.8	07:20 AM - 07:25 AM	54.5
02:05 AM - 02:10 AM	47.4	46.5	04:45 AM - 04:50 AM	49.7	47.8	07:25 AM - 07:30 AM	52.7
02:10 AM - 02:15 AM	47.6	46.9	04:50 AM - 04:55 AM	50.7	49.2	07:30 AM - 07:35 AM	50.6
02:15 AM - 02:20 AM	48.0	46.9	04:55 AM - 05:00 AM	52.3	49.7	07:35 AM - 07:40 AM	49.4
02:20 AM - 02:25 AM	48.0	47.1	05:00 AM - 05:05 AM	54.2	51.2	07:40 AM - 07:45 AM	47.1
02:25 AM - 02:30 AM	48.1	47.4	05:05 AM - 05:10 AM	55.1	51.7	07:45 AM - 07:50 AM	51.5
02:30 AM - 02:35 AM	47.8	46.7	05:10 AM - 05:15 AM	53.7	51.0	07:50 AM - 07:55 AM	53.1
02:35 AM - 02:40 AM	48.7	47.8	05:15 AM - 05:20 AM	53.3	51.0	07:55 AM - 08:00 AM	53.6
02:40 AM - 02:45 AM	48.9	47.8	05:20 AM - 05:25 AM	53.6	50.5	08:00 AM - 08:05 AM	52.9
02:45 AM - 02:50 AM	48.2	47.1	05:25 AM - 05:30 AM	53.2	50.3	08:05 AM - 08:10 AM	49.6
02:50 AM - 02:55 AM	48.8	47.3	05:30 AM - 05:35 AM	53.0	50.6	08:10 AM - 08:15 AM	52.3
02:55 AM - 03:00 AM	50.2	48.0	05:35 AM - 05:40 AM	52.4	49.9	08:15 AM - 08:20 AM	53.6
03:00 AM - 03:05 AM	49.9	48.1	05:40 AM - 05:45 AM	51.7	48.8	08:20 AM - 08:25 AM	50.5
03:05 AM - 03:10 AM	48.5	47.0	05:45 AM - 05:50 AM	53.3	50.4	08:25 AM - 08:30 AM	51.3
03:10 AM - 03:15 AM	49.5	47.5	05:50 AM - 05:55 AM	54.3	50.5	08:30 AM - 08:35 AM	52.0
03:15 AM - 03:20 AM	51.1	47.8	05:55 AM - 06:00 AM	54.7	51.0	08:35 AM - 08:40 AM	53.3
03:20 AM - 03:25 AM	50.0	48.7	06:00 AM - 06:05 AM	53.6	50.8	08:40 AM - 08:45 AM	52.4
03:25 AM - 03:30 AM	49.8	48.1	06:05 AM - 06:10 AM	52.9	50.3	08:45 AM - 08:50 AM	53.1
03:30 AM - 03:35 AM	50.3	49.0	06:10 AM - 06:15 AM	61.3	51.1	08:50 AM - 08:55 AM	51.8
03:35 AM - 03:40 AM	49.1	47.8	06:15 AM - 06:20 AM	53.8	51.0	08:55 AM - 09:00 AM	51.8
03:40 AM - 03:45 AM	48.7	47.3	06:20 AM - 06:25 AM	54.7	51.5	09:00 AM - 09:05 AM	53.8
03:45 AM - 03:50 AM	49.3	47.9	06:25 AM - 06:30 AM	52.2	49.7	09:05 AM - 09:10 AM	54.5
03:50 AM - 03:55 AM	49.6	48.6	06:30 AM - 06:35 AM	53.3	50.5	09:10 AM - 09:15 AM	51.4
03:55 AM - 04:00 AM	59.7	47.3	06:35 AM - 06:40 AM	53.4	51.2	09:15 AM - 09:20 AM	51.7
04:00 AM - 04:05 AM	55.7	49.0	06:40 AM - 06:45 AM	53.3	50.6	09:20 AM - 09:25 AM	52.3
04:05 AM - 04:10 AM	52.2	48.2	06:45 AM - 06:50 AM	53.3	50.4	09:25 AM - 09:30 AM	52.4
04:10 AM - 04:15 AM	49.4	47.9	06:50 AM - 06:55 AM	53.3	50.1	09:30 AM - 09:35 AM	51.8
04:15 AM - 04:20 AM	49.2	47.8	06:55 AM - 07:00 AM	53.2	50.6	09:35 AM - 09:40 AM	50.8
04:20 AM - 04:25 AM	49.9	47.9	07:00 AM - 07:05 AM	52.0	49.3	09:40 AM - 09:45 AM	50.8
04:25 AM - 04:30 AM	47.3	47.05	07:05 AM - 07:10 AM	52.6	49.4	09:45 AM - 09:50 AM	52.4
04:30 AM - 04:35 AM	49.0	47.1	07:10 AM - 07:15 AM	54.4	50.4	09:50 AM - 09:55 AM	50.8
04:35 AM - 04:40 AM	48.8	47.1	07:15 AM - 07:20 AM	53.5	51.0	09:55 AM - 10:00 AM	51.6



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number : 2599244-6
Parameter : Noise Level (Leq 5 min)
Location : บริเวณพื้นที่ใกล้ทางเดินเข้าพื้นที่ของโครงการ (N1) (GPS 47P 0745579, 1426753)
Measurement Date : Nov 21 - Nov 22, 2025
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 531298

Page 2 of 3

Nov 21, 2025		Nov 22, 2025		Nov 21 - Nov 22, 2025	
Time	Leq dB(A)	Time	Leq dB(A)	Time	Leq dB(A)
06:00 PM - 06:05 PM	51.9	08:40 PM - 08:45 PM	48.2	11:20 PM - 11:25 PM	47.1
06:05 PM - 06:10 PM	51.1	08:45 PM - 08:50 PM	50.2	11:25 PM - 11:30 PM	47.2
06:10 PM - 06:15 PM	52.2	08:50 PM - 08:55 PM	48.0	11:30 PM - 11:35 PM	47.0
06:15 PM - 06:20 PM	49.5	08:55 PM - 09:00 PM	46.8	11:35 PM - 11:40 PM	47.5
06:20 PM - 06:25 PM	49.6	09:00 PM - 09:05 PM	54.9	11:40 PM - 11:45 PM	46.7
06:25 PM - 06:30 PM	49.3	09:05 PM - 09:10 PM	47.4	11:45 PM - 11:50 PM	47.3
06:30 PM - 06:35 PM	50.1	09:10 PM - 09:15 PM	47.7	11:50 PM - 11:55 PM	47.9
06:35 PM - 06:40 PM	49.4	09:15 PM - 09:20 PM	47.8	11:55 PM - 12:00 AM	49.5
06:40 PM - 06:45 PM	49.1	09:20 PM - 09:25 PM	47.5	12:00 AM - 12:05 AM	48.1
06:45 PM - 06:50 PM	48.6	09:25 PM - 09:30 PM	48.1	12:05 AM - 12:10 AM	47.7
06:50 PM - 06:55 PM	48.7	09:30 PM - 09:35 PM	54.9	12:10 AM - 12:15 AM	47.2
06:55 PM - 07:00 PM	48.6	09:35 PM - 09:40 PM	48.2	12:15 AM - 12:20 AM	46.8
07:00 PM - 07:05 PM	48.4	09:40 PM - 09:45 PM	47.4	12:20 AM - 12:25 AM	47.8
07:05 PM - 07:10 PM	48.9	09:45 PM - 09:50 PM	47.3	12:25 AM - 12:30 AM	47.8
07:10 PM - 07:15 PM	48.8	09:50 PM - 09:55 PM	48.7	12:30 AM - 12:35 AM	47.9
07:15 PM - 07:20 PM	48.9	09:55 PM - 10:00 PM	48.5	12:35 AM - 12:40 AM	48.1
07:20 PM - 07:25 PM	49.5	10:00 PM - 10:05 PM	48.2	12:40 AM - 12:45 AM	47.8
07:25 PM - 07:30 PM	49.7	10:05 PM - 10:10 PM	47.1	12:45 AM - 12:50 AM	47.1
07:30 PM - 07:35 PM	49.9	10:10 PM - 10:15 PM	47.4	12:50 AM - 12:55 AM	47.2
07:35 PM - 07:40 PM	49.0	10:15 PM - 10:20 PM	48.7	12:55 AM - 01:00 AM	47.7
07:40 PM - 07:45 PM	49.1	10:20 PM - 10:25 PM	47.6	01:00 AM - 01:05 AM	47.6
07:45 PM - 07:50 PM	49.0	10:25 PM - 10:30 PM	48.9	01:05 AM - 01:10 AM	47.8
07:50 PM - 07:55 PM	48.6	10:30 PM - 10:35 PM	50.8	01:10 AM - 01:15 AM	48.2
07:55 PM - 08:00 PM	48.7	10:35 PM - 10:40 PM	47.8	01:15 AM - 01:20 AM	47.9
08:00 PM - 08:05 PM	50.0	10:40 PM - 10:45 PM	47.7	01:20 AM - 01:25 AM	47.6
08:05 PM - 08:10 PM	49.2	10:45 PM - 10:50 PM	47.1	01:25 AM - 01:30 AM	48.1
08:10 PM - 08:15 PM	47.9	10:50 PM - 10:55 PM	51.3	01:30 AM - 01:35 AM	47.5
08:15 PM - 08:20 PM	47.5	10:55 PM - 11:00 PM	47.4	01:35 AM - 01:40 AM	47.2
08:20 PM - 08:25 PM	47.3	11:00 PM - 11:05 PM	48.5	01:40 AM - 01:45 AM	46.8
08:25 PM - 08:30 PM	47.8	11:05 PM - 11:10 PM	47.4	01:45 AM - 01:50 AM	56.7
08:30 PM - 08:35 PM	47.6	11:10 PM - 11:15 PM	47.3	01:50 AM - 01:55 AM	53.9
08:35 PM - 08:40 PM	47.5	11:15 PM - 11:20 PM	47.6	01:55 AM - 02:00 AM	48.3

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Sarayuht Jitranont
Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number : 2599244-6
Parameter : Noise Level (Leq 5 min)
Location : บริเวณพื้นที่ใกล้ทางเดินเข้าพื้นที่ของโครงการ (N1) (GPS 47P 0745579, 1426753)
Measurement Date : Nov 21 - Nov 22, 2025
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 531298

Page 3 of 3

Nov 22, 2025		Nov 22, 2025		Nov 22, 2025	
Time	Leq dB(A)	Time	Leq dB(A)	Time	Leq dB(A)
02:00 AM - 02:05 AM	48.9	04:40 AM - 04:45 AM	48.0	07:20 AM - 07:25 AM	47.6
02:05 AM - 02:10 AM	48.2	04:45 AM - 04:50 AM	47.4	07:25 AM - 07:30 AM	47.6
02:10 AM - 02:15 AM	47.7	04:50 AM - 04:55 AM	47.6	07:30 AM - 07:35 AM	48.1
02:15 AM - 02:20 AM	48.6	04:55 AM - 05:00 AM	47.7	07:35 AM - 07:40 AM	49.2
02:20 AM - 02:25 AM	48.3	05:00 AM - 05:05 AM	47.7	07:40 AM - 07:45 AM	47.6
02:25 AM - 02:30 AM	47.8	05:05 AM - 05:10 AM	48.3	07:45 AM - 07:50 AM	49.7
02:30 AM - 02:35 AM	47.6	05:10 AM - 05:15 AM	48.0	07:50 AM - 07:55 AM	53.5
02:35 AM - 02:40 AM	47.3	05:15 AM - 05:20 AM	47.5	07:55 AM - 08:00 AM	51.6
02:40 AM - 02:45 AM	48.0	05:20 AM - 05:25 AM	47.6	08:00 AM - 08:05 AM	50.0
02:45 AM - 02:50 AM	48.0	05:25 AM - 05:30 AM	47.9	08:05 AM - 08:10 AM	52.2
02:50 AM - 02:55 AM	48.0	05:30 AM - 05:35 AM	48.4	08:10 AM - 08:15 AM	49.6
02:55 AM - 03:00 AM	47.7	05:35 AM - 05:40 AM	46.6	08:15 AM - 08:20 AM	51.4
03:00 AM - 03:05 AM	47.9	05:40 AM - 05:45 AM	48.8	08:20 AM - 08:25 AM	50.2
03:05 AM - 03:10 AM	47.9	05:45 AM - 05:50 AM	48.0	08:25 AM - 08:30 AM	49.8
03:10 AM - 03:15 AM	49.3	05:50 AM - 05:55 AM	47.6	08:30 AM - 08:35 AM	49.3
03:15 AM - 03:20 AM	47.2	05:55 AM - 06:00 AM	49.4	08:35 AM - 08:40 AM	48.3
03:20 AM - 03:25 AM	47.5	06:00 AM - 06:05 AM	49.8	08:40 AM - 08:45 AM	47.3
03:25 AM - 03:30 AM	47.9	06:05 AM - 06:10 AM	51.6	08:45 AM - 08:50 AM	47.3
03:30 AM - 03:35 AM	48.2	06:10 AM - 06:15 AM	51.5	08:50 AM - 08:55 AM	47.7
03:35 AM - 03:40 AM	47.8	06:15 AM - 06:20 AM	50.9	08:55 AM - 09:00 AM	48.2
03:40 AM - 03:45 AM	47.4	06:20 AM - 06:25 AM	51.3	09:00 AM - 09:05 AM	47.5
03:45 AM - 03:50 AM	47.2	06:25 AM - 06:30 AM	51.7	09:05 AM - 09:10 AM	48.7
03:50 AM - 03:55 AM	48.0	06:30 AM - 06:35 AM	51.0	09:10 AM - 09:15 AM	52.9
03:55 AM - 04:00 AM	48.6	06:35 AM - 06:40 AM	48.5	09:15 AM - 09:20 AM	53.7
04:00 AM - 04:05 AM	46.8	06:40 AM - 06:45 AM	50.0	09:20 AM - 09:25 AM	48.8
04:05 AM - 04:10 AM	47.5	06:45 AM - 06:50 AM	48.2	09:25 AM - 09:30 AM	49.1
04:10 AM - 04:15 AM	47.9	06:50 AM - 06:55 AM	49.4	09:30 AM - 09:35 AM	49.2
04:15 AM - 04:20 AM	47.7	06:55 AM - 07:00 AM	49.4	09:35 AM - 09:40 AM	47.2
04:20 AM - 04:25 AM	47.4	07:00 AM - 07:05 AM	49.1	09:40 AM - 09:45 AM	48.4
04:25 AM - 04:30 AM	47.1	07:05 AM - 07:10 AM	49.4	09:45 AM - 09:50 AM	47.9
04:30 AM - 04:35 AM	48.0	07:10 AM - 07:15 AM	48.6	09:50 AM - 09:55 AM	52.7
04:35 AM - 04:40 AM	47.6	07:15 AM - 07:20 AM	53.0	09:55 AM - 10:00 AM	48.8

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number : 2599244-7
Parameter : Noise Level (Leq 5 min)
Location : บริเวณพื้นที่ใกล้ทางเดินเข้าพื้นที่ของโครงการ (N1) (GPS 47P 0745579, 1426753)
Measurement Date : Nov 22 - Nov 23, 2025
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 531298

Page 1 of 3

Nov 22, 2025		Nov 22, 2025		Nov 22, 2025	
Time	Leq dB(A)	Time	Leq dB(A)	Time	Leq dB(A)
10:00 AM - 10:05 AM	53.2	12:40 PM - 12:45 PM	48.7	03:20 PM - 03:25 PM	47.7
10:05 AM - 10:10 AM	54.5	12:45 PM - 12:50 PM	48.5	03:25 PM - 03:30 PM	47.5
10:10 AM - 10:15 AM	51.1	12:50 PM - 12:55 PM	47.4	03:30 PM - 03:35 PM	46.8
10:15 AM - 10:20 AM	54.6	12:55 PM - 01:00 PM	48.3	03:35 PM - 03:40 PM	46.6
10:20 AM - 10:25 AM	47.9	01:00 PM - 01:05 PM	47.1	03:40 PM - 03:45 PM	46.2
10:25 AM - 10:30 AM	48.1	01:05 PM - 01:10 PM	49.0	03:45 PM - 03:50 PM	46.5
10:30 AM - 10:35 AM	50.9	01:10 PM - 01:15 PM	47.7	03:50 PM - 03:55 PM	49.0
10:35 AM - 10:40 AM	50.9	01:15 PM - 01:20 PM	48.6	03:55 PM - 04:00 PM	46.8
10:40 AM - 10:45 AM	50.2	01:20 PM - 01:25 PM	46.7	04:00 PM - 04:05 PM	46.5
10:45 AM - 10:50 AM	48.3	01:25 PM - 01:30 PM	47.6	04:05 PM - 04:10 PM	47.7
10:50 AM - 10:55 AM	48.2	01:30 PM - 01:35 PM	47.8	04:10 PM - 04:15 PM	47.4
10:55 AM - 11:00 AM	49.7	01:35 PM - 01:40 PM	47.2	04:15 PM - 04:20 PM	47.5
11:00 AM - 11:05 AM	50.6	01:40 PM - 01:45 PM	47.2	04:20 PM - 04:25 PM	46.6
11:05 AM - 11:10 AM	50.5	01:45 PM - 01:50 PM	48.7	04:25 PM - 04:30 PM	48.3
11:10 AM - 11:15 AM	50.9	01:50 PM - 01:55 PM	47.2	04:30 PM - 04:35 PM	47.1
11:15 AM - 11:20 AM	48.7	01:55 PM - 02:00 PM	48.0	04:35 PM - 04:40 PM	48.6
11:20 AM - 11:25 AM	50.0	02:00 PM - 02:05 PM	46.8	04:40 PM - 04:45 PM	48.5
11:25 AM - 11:30 AM	47.1	02:05 PM - 02:10 PM	48.8	04:45 PM - 04:50 PM	49.0
11:30 AM - 11:35 AM	46.9	02:10 PM - 02:15 PM	49.2	04:50 PM - 04:55 PM	47.1
11:35 AM - 11:40 AM	48.3	02:15 PM - 02:20 PM	48.0	04:55 PM - 05:00 PM	47.4
11:40 AM - 11:45 AM	48.3	02:20 PM - 02:25 PM	47.4	05:00 PM - 05:05 PM	48.3
11:45 AM - 11:50 AM	49.1	02:25 PM - 02:30 PM	46.9	05:05 PM - 05:10 PM	50.4
11:50 AM - 11:55 AM	49.3	02:30 PM - 02:35 PM	50.2	05:10 PM - 05:15 PM	48.8
11:55 AM - 12:00 PM	49.2	02:35 PM - 02:40 PM	49.5	05:15 PM - 05:20 PM	48.2
12:00 PM - 12:05 PM	50.0	02:40 PM - 02:45 PM	49.2	05:20 PM - 05:25 PM	50.1
12:05 PM - 12:10 PM	49.9	02:45 PM - 02:50 PM	46.9	05:25 PM - 05:30 PM	50.2
12:10 PM - 12:15 PM	47.1	02:50 PM - 02:55 PM	47.2	05:30 PM - 05:35 PM	52.3
12:15 PM - 12:20 PM	49.0	02:55 PM - 03:00 PM	46.4	05:35 PM - 05:40 PM	51.5
12:20 PM - 12:25 PM	48.2	03:00 PM - 03:05 PM	47.9	05:40 PM - 05:45 PM	50.6
12:25 PM - 12:30 PM	48.2	03:05 PM - 03:10 PM	47.2	05:45 PM - 05:50 PM	49.1
12:30 PM - 12:35 PM	50.3	03:10 PM - 03:15 PM	47.1	05:50 PM - 05:55 PM	50.7
12:35 PM - 12:40 PM	47.5	03:15 PM - 03:20 PM	47.4	05:55 PM - 06:00 PM	47.7

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number : 2599244-7
Parameter : Noise Level (Leq 5 min)
Location : บริเวณพื้นที่ใกล้ทางเดินเข้าพื้นที่ของโครงการ (N1) (GPS 47P 0745579, 1426753)
Measurement Date : Nov 22 - Nov 23, 2025
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 531298

Page 2 of 3

Nov 22, 2025		L90		Nov 22, 2025		L90		Nov 22 - Nov 23, 2025		L90	
Time	Leq dB(A)	Time	Leq dB(A)	Time	Leq dB(A)	Time	Leq dB(A)	Time	Leq dB(A)	Time	Leq dB(A)
06:00 PM - 06:05 PM	47.9	46.9	08:40 PM - 08:45 PM	49.2	48.2	11:20 PM - 11:25 PM	48.4	47.4			
06:05 PM - 06:10 PM	48.7	47.3	08:45 PM - 08:50 PM	50.1	47.9	11:25 PM - 11:30 PM	49.5	48.0			
06:10 PM - 06:15 PM	48.5	46.9	08:50 PM - 08:55 PM	49.5	48.3	11:30 PM - 11:35 PM	48.6	47.1			
06:15 PM - 06:20 PM	48.15	46.7	08:55 PM - 09:00 PM	49.8	47.9	11:35 PM - 11:40 PM	47.7	47.2			
06:20 PM - 06:25 PM	49.4	48.3	09:00 PM - 09:05 PM	49.3	48.1	11:40 PM - 11:45 PM	48.6	47.5			
06:25 PM - 06:30 PM	50.0	49.3	09:05 PM - 09:10 PM	49.5	48.6	11:45 PM - 11:50 PM	48.0	47.4			
06:30 PM - 06:35 PM	49.4	48.6	09:10 PM - 09:15 PM	50.3	48.5	11:50 PM - 11:55 PM	49.6	47.6			
06:35 PM - 06:40 PM	51.5	48.9	09:15 PM - 09:20 PM	49.7	48.2	11:55 PM - 12:00 AM	48.6	47.5			
06:40 PM - 06:45 PM	49.4	48.3	09:20 PM - 09:25 PM	49.2	47.9	12:00 AM - 12:05 AM	48.0	46.0			
06:45 PM - 06:50 PM	49.5	48.3	09:25 PM - 09:30 PM	48.7	47.9	12:05 AM - 12:10 AM	49.3	48.1			
06:50 PM - 06:55 PM	49.2	48.2	09:30 PM - 09:35 PM	49.0	47.6	12:10 AM - 12:15 AM	49.0	47.8			
06:55 PM - 07:00 PM	49.1	48.0	09:35 PM - 09:40 PM	48.5	47.5	12:15 AM - 12:20 AM	48.2	47.1			
07:00 PM - 07:05 PM	48.3	48.3	09:40 PM - 09:45 PM	48.9	47.9	12:20 AM - 12:25 AM	48.3	47.1			
07:05 PM - 07:10 PM	48.7	48.3	09:45 PM - 09:50 PM	48.5	47.9	12:25 AM - 12:30 AM	48.7	46.7			
07:10 PM - 07:15 PM	49.0	48.3	09:50 PM - 09:55 PM	49.3	48.1	12:30 AM - 12:35 AM	48.5	47.1			
07:15 PM - 07:20 PM	49.6	47.8	09:55 PM - 10:00 PM	48.2	48.2	12:35 AM - 12:40 AM	48.2	47.3			
07:20 PM - 07:25 PM	50.2	47.8	10:00 PM - 10:05 PM	49.1	47.5	12:40 AM - 12:45 AM	49.4	47.9			
07:25 PM - 07:30 PM	47.9	46.9	10:05 PM - 10:10 PM	48.9	48.1	12:45 AM - 12:50 AM	50.0	47.7			
07:30 PM - 07:35 PM	48.7	47.9	10:10 PM - 10:15 PM	47.6	48.1	12:50 AM - 12:55 AM	48.3	47.3			
07:35 PM - 07:40 PM	50.3	48.6	10:15 PM - 10:20 PM	48.4	47.5	12:55 AM - 01:00 AM	50.0	47.8			
07:40 PM - 07:45 PM	49.1	48.4	10:20 PM - 10:25 PM	47.7	47.7	01:00 AM - 01:05 AM	49.0	47.8			
07:45 PM - 07:50 PM	50.0	48.7	10:25 PM - 10:30 PM	48.5	47.5	01:05 AM - 01:10 AM	49.5	47.9			
07:50 PM - 07:55 PM	49.1	48.0	10:30 PM - 10:35 PM	48.9	47.6	01:10 AM - 01:15 AM	49.0	47.6			
07:55 PM - 08:00 PM	49.1	48.0	10:35 PM - 10:40 PM	48.6	47.7	01:15 AM - 01:20 AM	47.9	46.8			
08:00 PM - 08:05 PM	49.1	48.8	10:40 PM - 10:45 PM	48.6	47.4	01:20 AM - 01:25 AM	47.3	47.3			
08:05 PM - 08:10 PM	49.6	48.6	10:45 PM - 10:50 PM	50.4	48.3	01:25 AM - 01:30 AM	48.5	47.7			
08:10 PM - 08:15 PM	49.1	48.7	10:50 PM - 10:55 PM	49.1	48.2	01:30 AM - 01:35 AM	49.3	46.9			
08:15 PM - 08:20 PM	49.5	48.9	10:55 PM - 11:00 PM	48.1	46.9	01:35 AM - 01:40 AM	47.7	46.7			
08:20 PM - 08:25 PM	49.5	48.5	11:00 PM - 11:05 PM	48.3	47.4	01:40 AM - 01:45 AM	48.4	47.1			
08:25 PM - 08:30 PM	49.1	48.7	11:05 PM - 11:10 PM	48.3	47.4	01:45 AM - 01:50 AM	47.4	47.3			
08:30 PM - 08:35 PM	49.4	48.3	11:10 PM - 11:15 PM	48.5	47.4	01:50 AM - 01:55 AM	49.8	48.0			
08:35 PM - 08:40 PM	49.2	48.2	11:15 PM - 11:20 PM	48.2	47.1	01:55 AM - 02:00 AM	49.0	48.0			



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599244
Date Received : Nov 24, 2025
Date Reported : Nov 29, 2025
Report Number : 3459534-1

Page 3 of 3

Sample Number : 2599244-7
Parameter : Noise Level (Leq 5 min)
Location : บริเวณพื้นที่ภายในเขตระบบกักตุนของโครงการ (N1) (GPS 47P 0745579, 1426753)
Measurement Date : Nov 22 - Nov 23, 2025
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 531298

Nov 23, 2025			Nov 23, 2025			Nov 23, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
02:00 AM - 02:05 AM	48.7	47.5	04:40 AM - 04:45 AM	50.2	46.8	07:20 AM - 07:25 AM	53.0	47.2
02:05 AM - 02:10 AM	48.3	46.9	04:45 AM - 04:50 AM	47.9	46.7	07:25 AM - 07:30 AM	51.5	46.9
02:10 AM - 02:15 AM	49.1	47.5	04:50 AM - 04:55 AM	47.7	46.1	07:30 AM - 07:35 AM	49.5	46.6
02:15 AM - 02:20 AM	48.1	46.7	04:55 AM - 05:00 AM	47.6	46.5	07:35 AM - 07:40 AM	55.6	46.4
02:20 AM - 02:25 AM	47.8	46.4	05:00 AM - 05:05 AM	47.5	46.7	07:40 AM - 07:45 AM	48.5	46.4
02:25 AM - 02:30 AM	47.7	46.6	05:05 AM - 05:10 AM	47.2	46.1	07:45 AM - 07:50 AM	49.6	46.3
02:30 AM - 02:35 AM	48.0	47.0	05:10 AM - 05:15 AM	47.6	46.7	07:50 AM - 07:55 AM	52.3	48.0
02:35 AM - 02:40 AM	48.1	47.1	05:15 AM - 05:20 AM	48.0	46.5	07:55 AM - 08:00 AM	52.4	49.0
02:40 AM - 02:45 AM	48.5	48.0	05:20 AM - 05:25 AM	48.1	46.3	08:00 AM - 08:05 AM	50.7	48.4
02:45 AM - 02:50 AM	48.4	47.6	05:25 AM - 05:30 AM	49.6	47.9	08:05 AM - 08:10 AM	51.4	47.8
02:50 AM - 02:55 AM	47.7	46.9	05:30 AM - 05:35 AM	49.7	46.3	08:10 AM - 08:15 AM	51.2	48.6
02:55 AM - 03:00 AM	48.1	47.1	05:35 AM - 05:40 AM	49.1	47.9	08:15 AM - 08:20 AM	50.8	48.6
03:00 AM - 03:05 AM	48.2	47.2	05:40 AM - 05:45 AM	48.9	47.5	08:20 AM - 08:25 AM	51.2	48.4
03:05 AM - 03:10 AM	48.7	46.7	05:45 AM - 05:50 AM	48.0	46.8	08:25 AM - 08:30 AM	50.7	47.3
03:10 AM - 03:15 AM	47.9	47.0	05:50 AM - 05:55 AM	48.6	47.4	08:30 AM - 08:35 AM	48.9	46.9
03:15 AM - 03:20 AM	51.4	46.4	05:55 AM - 06:00 AM	48.2	46.8	08:35 AM - 08:40 AM	48.7	46.1
03:20 AM - 03:25 AM	48.2	46.7	06:00 AM - 06:05 AM	48.6	47.0	08:40 AM - 08:45 AM	48.6	46.7
03:25 AM - 03:30 AM	49.0	47.8	06:05 AM - 06:10 AM	52.4	46.4	08:45 AM - 08:50 AM	49.2	47.0
03:30 AM - 03:35 AM	48.5	48.0	06:10 AM - 06:15 AM	52.9	46.8	08:50 AM - 08:55 AM	48.6	46.6
03:35 AM - 03:40 AM	48.1	47.0	06:15 AM - 06:20 AM	51.7	46.8	08:55 AM - 09:00 AM	51.0	48.6
03:40 AM - 03:45 AM	48.2	47.7	06:20 AM - 06:25 AM	49.3	45.7	09:00 AM - 09:05 AM	51.5	48.7
03:45 AM - 03:50 AM	47.7	46.3	06:25 AM - 06:30 AM	47.8	46.8	09:05 AM - 09:10 AM	49.5	46.8
03:50 AM - 03:55 AM	47.1	45.8	06:30 AM - 06:35 AM	48.1	46.4	09:10 AM - 09:15 AM	51.9	47.5
03:55 AM - 04:00 AM	49.5	46.8	06:35 AM - 06:40 AM	50.0	47.2	09:15 AM - 09:20 AM	50.5	47.6
04:00 AM - 04:05 AM	47.5	46.4	06:40 AM - 06:45 AM	48.6	47.3	09:20 AM - 09:25 AM	50.2	47.3
04:05 AM - 04:10 AM	47.7	46.7	06:45 AM - 06:50 AM	48.4	46.5	09:25 AM - 09:30 AM	51.0	47.3
04:10 AM - 04:15 AM	47.5	46.2	06:50 AM - 06:55 AM	48.3	46.2	09:30 AM - 09:35 AM	49.7	46.9
04:15 AM - 04:20 AM	47.9	46.9	06:55 AM - 07:00 AM	48.4	46.9	09:35 AM - 09:40 AM	50.5	48.6
04:20 AM - 04:25 AM	48.4	47.6	07:00 AM - 07:05 AM	48.2	46.2	09:40 AM - 09:45 AM	48.9	44.1
04:25 AM - 04:30 AM	48.4	47.6	07:05 AM - 07:10 AM	49.2	47.4	09:45 AM - 09:50 AM	52.7	46.7
04:30 AM - 04:35 AM	48.1	47.4	07:10 AM - 07:15 AM	52.8	46.7	09:50 AM - 09:55 AM	53.2	47.1
04:35 AM - 04:40 AM	47.3	46.2	07:15 AM - 07:20 AM	55.2	47.9	09:55 AM - 10:00 AM	52.0	47.1

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599244
Date Received : Nov 24, 2025
Date Reported : Nov 29, 2025
Report Number : 3459534-1

Page 2 of 3

Sample Number : 2599244-8
Parameter : Noise Level (Leq 5 min)
Location : บริเวณพื้นที่ภายในเขตระบบกักตุนของโครงการ (N2) (GPS 47P 0745062, 1426977)
Measurement Date : Nov 16 - Nov 17, 2025
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 531307

Nov 16, 2025			Nov 16, 2025			Nov 16 - Nov 17, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
05:00 PM - 05:05 PM	54.3	47.7	08:40 PM - 08:45 PM	55.1	50.3	11:20 PM - 11:25 PM	49.2	47.1
05:05 PM - 05:10 PM	54.5	48.1	08:45 PM - 08:50 PM	54.9	51.1	11:25 PM - 11:30 PM	48.8	46.8
05:10 PM - 05:15 PM	53.8	50.2	08:50 PM - 08:55 PM	55.0	51.3	11:30 PM - 11:35 PM	48.6	46.5
05:15 PM - 05:20 PM	54.9	51.4	08:55 PM - 09:00 PM	53.5	49.8	11:35 PM - 11:40 PM	48.6	46.3
05:20 PM - 05:25 PM	54.8	50.2	09:00 PM - 09:05 PM	51.2	46.0	11:40 PM - 11:45 PM	48.8	46.2
05:25 PM - 05:30 PM	55.6	51.6	09:05 PM - 09:10 PM	48.4	46.1	11:45 PM - 11:50 PM	47.8	45.9
05:30 PM - 05:35 PM	56.4	51.4	09:10 PM - 09:15 PM	48.2	46.0	11:50 PM - 11:55 PM	46.9	45.4
05:35 PM - 05:40 PM	54.3	48.4	09:15 PM - 09:20 PM	48.1	45.6	11:55 PM - 12:00 AM	47.2	45.9
05:40 PM - 05:45 PM	55.0	51.4	09:20 PM - 09:25 PM	49.4	47.4	12:00 AM - 12:05 AM	47.5	45.9
05:45 PM - 05:50 PM	54.7	51.6	09:25 PM - 09:30 PM	48.2	46.1	12:05 AM - 12:10 AM	47.6	46.1
05:50 PM - 05:55 PM	54.2	50.5	09:30 PM - 09:35 PM	46.6	44.2	12:10 AM - 12:15 AM	48.0	46.4
05:55 PM - 06:00 PM	54.4	51.0	09:35 PM - 09:40 PM	45.6	42.9	12:15 AM - 12:20 AM	46.9	45.8
06:00 PM - 06:05 PM	54.3	50.8	09:40 PM - 09:45 PM	44.8	41.8	12:20 AM - 12:25 AM	47.6	46.0
06:05 PM - 06:10 PM	54.8	52.0	09:45 PM - 09:50 PM	47.2	44.8	12:25 AM - 12:30 AM	47.9	46.3
06:10 PM - 06:15 PM	57.9	50.8	09:50 PM - 09:55 PM	48.1	45.9	12:30 AM - 12:35 AM	48.1	46.4
06:15 PM - 06:20 PM	54.7	52.1	09:55 PM - 10:00 PM	46.0	47.0	12:35 AM - 12:40 AM	47.7	46.2
06:20 PM - 06:25 PM	54.8	51.8	10:00 PM - 10:05 PM	49.3	47.4	12:40 AM - 12:45 AM	47.7	46.2
06:25 PM - 06:30 PM	56.6	52.6	10:05 PM - 10:10 PM	49.1	47.1	12:45 AM - 12:50 AM	48.2	46.1
06:30 PM - 06:35 PM	57.1	53.5	10:10 PM - 10:15 PM	48.2	42.7	12:50 AM - 12:55 AM	47.2	45.9
06:35 PM - 06:40 PM	59.0	54.2	10:15 PM - 10:20 PM	44.9	42.3	12:55 AM - 01:00 AM	48.1	46.5
06:40 PM - 06:45 PM	58.6	54.1	10:20 PM - 10:25 PM	47.3	45.7	01:00 AM - 01:05 AM	47.3	45.8
06:45 PM - 06:50 PM	58.4	54.7	10:25 PM - 10:30 PM	48.2	46.2	01:05 AM - 01:10 AM	47.3	45.8
06:50 PM - 06:55 PM	56.2	49.6	10:30 PM - 10:35 PM	48.3	46.1	01:10 AM - 01:15 AM	47.7	46.0
06:55 PM - 07:00 PM	54.8	49.2	10:35 PM - 10:40 PM	49.1	47.2	01:15 AM - 01:20 AM	47.7	46.3
07:00 PM - 07:05 PM	56.8	50.8	10:40 PM - 10:45 PM	49.6	47.3	01:20 AM - 01:25 AM	47.2	45.8
07:05 PM - 07:10 PM	55.3	51.6	10:45 PM - 10:50 PM	49.4	47.5	01:25 AM - 01:30 AM	46.2	45.1
07:10 PM - 07:15 PM	56.1	50.6	10:50 PM - 10:55 PM	49.5	47.6	01:30 AM - 01:35 AM	46.8	45.2
07:15 PM - 07:20 PM	53.7	49.8	10:55 PM - 11:00 PM	49.4	47.5	01:35 AM - 01:40 AM	47.6	45.7
07:20 PM - 07:25 PM	54.2	50.4	11:00 PM - 11:05 PM	48.1	46.8	01:40 AM - 01:45 AM	48.8	46.9
07:25 PM - 07:30 PM	54.9	50.5	11:05 PM - 11:10 PM	49.9	47.7	01:45 AM - 01:50 AM	48.4	46.3
07:30 PM - 07:35 PM	53.7	50.8	11:10 PM - 11:15 PM	50.4	48.0	01:50 AM - 01:55 AM	48.4	46.3
07:35 PM - 07:40 PM	55.5	52.3	11:15 PM - 11:20 PM	49.7	47.6	01:55 AM - 02:00 AM	48.1	45.9

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Approved by

Sarayuht Jitranont
Assistant General Manager

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599244
Date Received : Nov 24, 2025
Date Reported : Nov 29, 2025
Report Number : 3459534-1

Page 1 of 3

Sample Number : 2599244-8
Parameter : Noise Level (Leq 5 min)
Location : บริเวณพื้นที่ภายในเขตระบบกักตุนของโครงการ (N2) (GPS 47P 0745062, 1426977)
Measurement Date : Nov 16 - Nov 17, 2025
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 531307

Nov 16, 2025			Nov 16, 2025			Nov 16, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
10:00 AM - 10:05 AM	50.0	48.1	12:40 PM - 12:45 PM	45.6	43.4	03:20 PM - 03:25 PM	48.0	44.8
10:05 AM - 10:10 AM	51.1	48.4	12:45 PM - 12:50 PM	49.4	42.6	03:25 PM - 03:30 PM	46.4	44.6
10:10 AM - 10:15 AM	51.4	48.4	12:50 PM - 12:55 PM	44.3	39.9	03:30 PM - 03:35 PM	46.9	44.2
10:15 AM - 10:20 AM	49.8	48.3	12:55 PM - 01:00 PM	43.9	40.4	03:35 PM - 03:40 PM	47.2	43.7
10:20 AM - 10:25 AM	50.7	48.4	01:00 PM - 01:05 PM	45.0	40.9	03:40 PM - 03:45 PM	46.5	43.1
10:25 AM - 10:30 AM	48.1	47.0	01:05 PM - 01:10 PM	46.5	43.7	03:45 PM - 03:50 PM	47.9	44.2
10:30 AM - 10:35 AM	50.0	47.7	01:10 PM - 01:15 PM	42.3	40.1	03:50 PM - 03:55 PM	47.2	44.3
10:35 AM - 10:40 AM	51.1	47.5	01:15 PM - 01:20 PM	44.9	41.4	03:55 PM - 04:00 PM	54.3	46.7
10:40 AM - 10:45 AM	48.3	43.3	01:20 PM - 01:25 PM	47.2	43.9	04:00 PM - 04:05 PM	50.5	46.3
10:45 AM - 10:50 AM	49.6	42.7	01:25 PM - 01:30 PM	48.3	44.8	04:05 PM - 04:10 PM	52.1	47.0
10:50 AM - 10:55 AM	46.2	42.3	01:30 PM - 01:35 PM	48.6	45.2	04:10 PM - 04:15 PM	52.5	46.9
10:55 AM - 11:00 AM	46.6	43.3	01:35 PM - 01:40 PM	48.3	44.8	04:15 PM - 04:20 PM	53.2	47.4
11:00 AM - 11:05 AM	49.6	44.2	01:40 PM - 01:45 PM	47.9	44.8	04:20 PM - 04:25 PM	51.4	45.1
11:05 AM - 11:10 AM	48.5	42.1	01:45 PM - 01:50 PM	46.2	44.2	04:25 PM - 04:30 PM	53.0	47.9
11:10 AM - 11:15 AM	47.7	44.5	01:50 PM - 01:55 PM	47.1	44.1	04:30 PM - 04:35 PM	52.8	45.5
11:15 AM - 11:20 AM	48.1	44.4	01:55 PM - 02:00 PM	47.4	44.5	04:35 PM - 04:40 PM	56.5	49.1
11:20 AM - 11:25 AM	51.0	44.5	02:00 PM - 02:05 PM	52.0	43.5	04:40 PM - 04:45 PM	59.0	49.1
11:25 AM - 11:30 AM	46.8	43.3	02:05 PM - 02:10 PM	51.7	43.4	04:45 PM - 04:50 PM	57.9	47.8
11:30 AM - 11:35 AM	46.7	44.6	02:10 PM - 02:15 PM	47.7	44.0	04:50 PM - 04:55 PM	56.8	47.9
11:35 AM - 11:40 AM	48.6	45.6	02:15 PM - 02:20 PM	48.1	44.7	04:55 PM - 05:00 PM	52.8	47.6
11:40 AM - 11:45 AM	46.6	44.4	02:20 PM - 02:25 PM	46.7	43.8	05:00 PM - 05:05 PM	53.1	48.7
11:45 AM - 11:50 AM	45.6	42.7	02:25 PM - 02:30 PM	46.4	43.9	05:05 PM - 05:10 PM	52.1	47.1
11:50 AM - 11:55 AM	47.1	43.4	02:30 PM - 02:35 PM	46.9	43.5	05:10 PM - 05:15 PM	52.8	46.5
11:55 AM - 12:00 PM	46.2	43.7	02:35 PM - 02:40 PM	46.9	43.5	05:15 PM - 05:20 PM	52.5	46.9
12:00 PM - 12:05 PM	51.0	43.4	02:40 PM - 02:45 PM	51.1	42.8	05:20 PM - 05:25 PM	54.6	49.2
12:05 PM - 12:10 PM	57.3	46.8	02:45 PM - 02:50 PM	46.6	43.3	05:25 PM - 05:30 PM	55.8	49.3
12:10 PM - 12:15 PM	55.2	46.6	02:50 PM - 02:55 PM	45.6	43.6	05:30 PM - 05:35 PM	54.4	47.7
12:15 PM - 12:20 PM	50.0	45.1	02:55 PM - 03:00 PM	45.4	43.0	05:35 PM - 05:40 PM	54.4	47.9
12:20 PM - 12:25 PM	55.2	46.6	03:00 PM - 03:05 PM	46.3	43.8	05:40 PM - 05:45 PM	52.0	45.3
12:25 PM - 12:30 PM	52.5	46.4	03:05 PM - 03:10 PM	47.6	44.9	05:45 PM - 05:50 PM	54.3	47.4
12:30 PM - 12:35 PM	55.9	46.6	03:10 PM - 03:15 PM	47.4	43.0	05:50 PM - 05:55 PM	55.0	48.7
12:35 PM - 12:40 PM	46.3	43.3	03:15 PM - 03:20 PM	46.7	44.1	05:55 PM - 06:00 PM	53.4	47.4



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599244
Date Received : Nov 24, 2025
Date Reported : Nov 29, 2025
Report Number : 3459535-1

Page 1 of 3

Sample Number : 2599244-9
Parameter : Noise Level (Leq 5 min)
Location : บริเวณที่พักอาศัยด้านทิศตะวันตกของโครงการ (N2) (GPS 47P 0745062, 1426997)
Measurement Date : Nov 17 - Nov 18, 2025
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 531307

Nov 17, 2025			Nov 17, 2025			Nov 17, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
10:00 AM - 10:05 AM	46.5	43.4	12:40 PM - 12:45 PM	42.5	39.4	03:20 PM - 03:25 PM	46.1	43.7
10:05 AM - 10:10 AM	47.3	43.5	12:45 PM - 12:50 PM	42.2	39.3	03:25 PM - 03:30 PM	44.5	42.9
10:10 AM - 10:15 AM	44.0	42.4	12:50 PM - 12:55 PM	47.4	41.2	03:30 PM - 03:35 PM	44.8	43.7
10:15 AM - 10:20 AM	44.1	42.4	12:55 PM - 01:00 PM	46.4	40.4	03:35 PM - 03:40 PM	45.1	43.3
10:20 AM - 10:25 AM	46.7	43.2	01:00 PM - 01:05 PM	44.7	38.5	03:40 PM - 03:45 PM	44.0	43.1
10:25 AM - 10:30 AM	45.5	44.1	01:05 PM - 01:10 PM	44.8	42.2	03:45 PM - 03:50 PM	44.6	42.9
10:30 AM - 10:35 AM	46.6	43.4	01:10 PM - 01:15 PM	44.3	42.1	03:50 PM - 03:55 PM	46.5	43.9
10:35 AM - 10:40 AM	47.1	44.2	01:15 PM - 01:20 PM	44.7	42.4	03:55 PM - 04:00 PM	46.4	43.8
10:40 AM - 10:45 AM	46.6	45.0	01:20 PM - 01:25 PM	44.1	42.2	04:00 PM - 04:05 PM	44.7	43.2
10:45 AM - 10:50 AM	46.3	44.5	01:25 PM - 01:30 PM	46.5	42.7	04:05 PM - 04:10 PM	45.5	43.1
10:50 AM - 10:55 AM	46.5	43.7	01:30 PM - 01:35 PM	44.4	42.0	04:10 PM - 04:15 PM	45.9	43.9
10:55 AM - 11:00 AM	45.8	43.6	01:35 PM - 01:40 PM	47.0	42.1	04:15 PM - 04:20 PM	47.5	44.3
11:00 AM - 11:05 AM	46.2	44.0	01:40 PM - 01:45 PM	47.5	42.0	04:20 PM - 04:25 PM	45.7	43.7
11:05 AM - 11:10 AM	44.8	43.4	01:45 PM - 01:50 PM	45.7	41.2	04:25 PM - 04:30 PM	45.0	43.5
11:10 AM - 11:15 AM	45.6	43.9	01:50 PM - 01:55 PM	48.3	45.6	04:30 PM - 04:35 PM	45.5	44.0
11:15 AM - 11:20 AM	46.1	44.0	01:55 PM - 02:00 PM	43.7	42.0	04:35 PM - 04:40 PM	45.2	43.6
11:20 AM - 11:25 AM	46.7	43.4	02:00 PM - 02:05 PM	42.4	40.6	04:40 PM - 04:45 PM	47.3	45.0
11:25 AM - 11:30 AM	45.2	43.7	02:05 PM - 02:10 PM	42.7	41.3	04:45 PM - 04:50 PM	47.4	44.7
11:30 AM - 11:35 AM	45.0	43.7	02:10 PM - 02:15 PM	43.6	41.9	04:50 PM - 04:55 PM	45.5	44.4
11:35 AM - 11:40 AM	44.6	43.4	02:15 PM - 02:20 PM	44.3	42.4	04:55 PM - 05:00 PM	47.0	44.6
11:40 AM - 11:45 AM	44.4	42.6	02:20 PM - 02:25 PM	45.6	42.4	05:00 PM - 05:05 PM	48.1	44.5
11:45 AM - 11:50 AM	46.5	42.5	02:25 PM - 02:30 PM	46.1	42.6	05:05 PM - 05:10 PM	46.2	41.5
11:50 AM - 11:55 AM	46.5	42.6	02:30 PM - 02:35 PM	45.5	42.7	05:10 PM - 05:15 PM	44.8	41.7
11:55 AM - 12:00 PM	46.2	42.5	02:35 PM - 02:40 PM	44.9	42.4	05:15 PM - 05:20 PM	43.3	42.0
12:00 PM - 12:05 PM	45.1	41.7	02:40 PM - 02:45 PM	46.0	42.5	05:20 PM - 05:25 PM	44.8	42.4
12:05 PM - 12:10 PM	41.1	39.2	02:45 PM - 02:50 PM	44.3	42.6	05:25 PM - 05:30 PM	47.8	44.4
12:10 PM - 12:15 PM	40.9	38.4	02:50 PM - 02:55 PM	45.2	42.8	05:30 PM - 05:35 PM	45.0	44.0
12:15 PM - 12:20 PM	43.6	38.4	02:55 PM - 03:00 PM	46.6	43.0	05:35 PM - 05:40 PM	45.5	44.5
12:20 PM - 12:25 PM	46.4	38.5	03:00 PM - 03:05 PM	45.2	42.5	05:40 PM - 05:45 PM	45.9	44.8
12:25 PM - 12:30 PM	45.8	40.0	03:05 PM - 03:10 PM	45.0	43.5	05:45 PM - 05:50 PM	46.5	45.0
12:30 PM - 12:35 PM	41.8	38.8	03:10 PM - 03:15 PM	45.8	43.2	05:50 PM - 05:55 PM	45.9	45.1
12:35 PM - 12:40 PM	42.6	39.0	03:15 PM - 03:20 PM	46.6	43.9	05:55 PM - 06:00 PM	50.2	45.3

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RIGHT SOLUTIONS RIGHT PARTNER



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599244
Date Received : Nov 24, 2025
Date Reported : Nov 29, 2025
Report Number : 3459535-1

Page 1 of 3

Sample Number : 2599244-9
Parameter : Noise Level (Leq 5 min)
Location : บริเวณที่พักอาศัยด้านทิศตะวันตกของโครงการ (N2) (GPS 47P 0745062, 1426997)
Measurement Date : Nov 17 - Nov 18, 2025
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 531307

Nov 17, 2025			Nov 17, 2025			Nov 17 - Nov 18, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
06:00 PM - 06:05 PM	46.7	45.1	08:40 PM - 08:45 PM	47.9	46.9	11:20 PM - 11:25 PM	46.3	45.6
06:05 PM - 06:10 PM	46.9	45.3	08:45 PM - 08:50 PM	47.4	46.6	11:25 PM - 11:30 PM	46.2	45.5
06:10 PM - 06:15 PM	46.9	45.2	08:50 PM - 08:55 PM	47.2	46.3	11:30 PM - 11:35 PM	46.2	45.5
06:15 PM - 06:20 PM	46.4	45.4	08:55 PM - 09:00 PM	47.5	46.6	11:35 PM - 11:40 PM	45.9	45.3
06:20 PM - 06:25 PM	47.1	46.2	09:00 PM - 09:05 PM	48.2	47.1	11:40 PM - 11:45 PM	46.1	45.5
06:25 PM - 06:30 PM	48.5	47.7	09:05 PM - 09:10 PM	48.1	47.1	11:45 PM - 11:50 PM	46.5	45.8
06:30 PM - 06:35 PM	49.3	48.6	09:10 PM - 09:15 PM	47.9	46.3	11:50 PM - 11:55 PM	46.6	45.6
06:35 PM - 06:40 PM	48.9	48.4	09:15 PM - 09:20 PM	47.0	46.0	11:55 PM - 12:00 AM	46.8	45.8
06:40 PM - 06:45 PM	48.1	48.5	09:20 PM - 09:25 PM	47.2	46.5	12:00 AM - 12:05 AM	47.1	45.6
06:45 PM - 06:50 PM	48.8	48.3	09:25 PM - 09:30 PM	47.7	46.8	12:05 AM - 12:10 AM	46.0	45.3
06:50 PM - 06:55 PM	48.7	48.1	09:30 PM - 09:35 PM	48.2	47.4	12:10 AM - 12:15 AM	46.3	45.4
06:55 PM - 07:00 PM	48.5	48.0	09:35 PM - 09:40 PM	47.9	47.0	12:15 AM - 12:20 AM	46.1	45.3
07:00 PM - 07:05 PM	48.7	48.0	09:40 PM - 09:45 PM	47.3	46.5	12:20 AM - 12:25 AM	46.1	45.3
07:05 PM - 07:10 PM	48.5	47.8	09:45 PM - 09:50 PM	47.9	46.3	12:25 AM - 12:30 AM	45.7	44.9
07:10 PM - 07:15 PM	48.3	47.6	09:50 PM - 09:55 PM	47.0	46.0	12:30 AM - 12:35 AM	46.1	45.3
07:15 PM - 07:20 PM	48.5	47.9	09:55 PM - 10:00 PM	46.9	46.2	12:35 AM - 12:40 AM	46.4	45.6
07:20 PM - 07:25 PM	50.0	47.7	10:00 PM - 10:05 PM	46.7	45.9	12:40 AM - 12:45 AM	45.9	45.2
07:25 PM - 07:30 PM	48.9	47.5	10:05 PM - 10:10 PM	46.9	46.1	12:45 AM - 12:50 AM	45.7	44.8
07:30 PM - 07:35 PM	48.4	47.3	10:10 PM - 10:15 PM	47.2	46.4	12:50 AM - 12:55 AM	45.8	44.9
07:35 PM - 07:40 PM	47.9	47.2	10:15 PM - 10:20 PM	46.8	45.7	12:55 AM - 01:00 AM	45.6	45.0
07:40 PM - 07:45 PM	48.1	47.4	10:20 PM - 10:25 PM	46.6	45.6	01:00 AM - 01:05 AM	45.7	45.1
07:45 PM - 07:50 PM	48.1	47.3	10:25 PM - 10:30 PM	47.1	46.4	01:05 AM - 01:10 AM	45.4	44.7
07:50 PM - 07:55 PM	48.0	47.4	10:30 PM - 10:35 PM	46.9	46.0	01:10 AM - 01:15 AM	45.6	44.9
07:55 PM - 08:00 PM	48.3	47.4	10:35 PM - 10:40 PM	47.0	46.1	01:15 AM - 01:20 AM	46.0	45.4
08:00 PM - 08:05 PM	48.7	47.4	10:40 PM - 10:45 PM	46.5	45.0	01:20 AM - 01:25 AM	46.4	45.8
08:05 PM - 08:10 PM	48.1	47.1	10:45 PM - 10:50 PM	46.0	45.3	01:25 AM - 01:30 AM	46.4	45.4
08:10 PM - 08:15 PM	48.1	47.2	10:50 PM - 10:55 PM	47.2	45.3	01:30 AM - 01:35 AM	46.3	45.7
08:15 PM - 08:20 PM	47.5	46.7	10:55 PM - 11:00 PM	46.3	45.7	01:35 AM - 01:40 AM	45.9	45.1
08:20 PM - 08:25 PM	47.7	47.0	11:00 PM - 11:05 PM	46.5	45.9	01:40 AM - 01:45 AM	45.7	45.0
08:25 PM - 08:30 PM	48.1	47.3	11:05 PM - 11:10 PM	46.5	45.8	01:45 AM - 01:50 AM	45.8	44.9
08:30 PM - 08:35 PM	48.2	47.4	11:10 PM - 11:15 PM	46.4	45.4	01:50 AM - 01:55 AM	45.9	45.2
08:35 PM - 08:40 PM	48.0	47.3	11:15 PM - 11:20 PM	46.7	45.8	01:55 AM - 02:00 AM	45.6	44.9

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Approved by

Sarayuht Jitranont
Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599244
Date Received : Nov 24, 2025
Date Reported : Nov 29, 2025
Report Number : 3459535-1

Page 3 of 3

Sample Number : 2599244-9
Parameter : Noise Level (Leq 5 min)
Location : บริเวณที่พักอาศัยด้านทิศตะวันตกของโครงการ (N2) (GPS 47P 0745062, 1426997)
Measurement Date : Nov 17 - Nov 18, 2025
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 531307

Nov 18, 2025			Nov 18, 2025			Nov 18, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
02:00 AM - 02:05 AM	45.5	44.8	04:40 AM - 04:45 AM	45.1	44.4	07:20 AM - 07:25 AM	49.2	42.9
02:05 AM - 02:10 AM	46.5	44.8	04:45 AM - 04:50 AM	46.3	44.5	07:25 AM - 07:30 AM	48.2	42.9
02:10 AM - 02:15 AM	46.0	45.1	04:50 AM - 04:55 AM	45.7	44.5	07:30 AM - 07:35 AM	50.0	42.6
02:15 AM - 02:20 AM	45.3	44.6	04:55 AM - 05:00 AM	48.4	44.9	07:35 AM - 07:40 AM	46.9	42.9
02:20 AM - 02:25 AM	45.0	44.3	05:00 AM - 05:05 AM	47.0	45.1	07:40 AM - 07:45 AM	44.5	42.4
02:25 AM - 02:30 AM	45.3	44.5	05:05 AM - 05:10 AM	46.4	44.5	07:45 AM - 07:50 AM	46.6	42.8
02:30 AM - 02:35 AM	45.4	44.7	05:10 AM - 05:15 AM	47.2	45.8	07:50 AM - 07:55 AM	45.9	43.0
02:35 AM - 02:40 AM	45.4	44.5	05:15 AM - 05:20 AM	47.2	45.8	07:55 AM - 08:00 AM	45.3	43.4
02:40 AM - 02:45 AM	45.9	44.9	05:20 AM - 05:25 AM	47.3	45.7	08:00 AM - 08:05 AM	46.4	44.1
02:45 AM - 02:50 AM	45.3	44.5	05:25 AM - 05:30 AM	46.3	45.1	08:05 AM - 08:10 AM	48.4	44.0
02:50 AM - 02:55 AM	45.3	44.6	05:30 AM - 05:35 AM	45.9	44.7	08:10 AM - 08:15 AM	50.5	45.4
02:55 AM - 03:00 AM	45.0	44.2	05:35 AM - 05:40 AM	47.8	44.9	08:15 AM - 08:20 AM	49.0	45.7
03:00 AM - 03:05 AM	45.2	44.3	05:40 AM - 05:45 AM	48.6	45.4	08:20 AM - 08:25 AM	47.6	45.2
03:05 AM - 03:10 AM	45.6	44.5	05:45 AM - 05:50 AM	49.5	45.5	08:25 AM - 08:30 AM	47.4	45.3
03:10 AM - 03:15 AM	45.5	44.4	05:50 AM - 05:55 AM	48.6	45.6	08:30 AM - 08:35 AM	47.1	44.6
03:15 AM - 03:20 AM	45.5	44.4	05:55 AM - 06:00 AM	46.9	44.9	08:35 AM - 08:40 AM	48.6	45.3
03:20 AM - 03:25 AM	45.5	44.4	06:00 AM - 06:05 AM	48.4	44.9	08:40 AM - 08:45 AM	47.7	45.3
03:25 AM - 03:30 AM	45.4	44.4	06:05 AM - 06:10 AM	47.0	44.8	08:45 AM - 08:50 AM	49.2	44.9
03:30 AM - 03:35 AM	45.3	44.3	06:10 AM - 06:15 AM	49.1	44.8	08:50 AM - 08:55 AM	46.3	44.9
03:35 AM - 03:40 AM	45.2	44.3	06:15 AM - 06:20 AM	47.1	44.2	08:55 AM - 09:00 AM	47.0	44.9
03:40 AM - 03:45 AM	44.5	43.3	06:20 AM - 06:25 AM	46.1	44.1	09:00 AM - 09:05 AM	47.7	45.0
03:45 AM - 03:50 AM	44.3	43.7	06:25 AM - 06:30 AM	46.5	44.0	09:05 AM - 09:10 AM	47.1	45.5
03:55 AM - 04:00 AM	44.8	43.9	06:30 AM - 06:35 AM	45.4	43.3	09:10 AM - 09:15 AM	47.0	45.1
03:55 AM - 04:05 AM	44.5	43.9	06:35 AM - 06:40 AM	45.9	43.0	09:15 AM - 09:20 AM	48.7	45.2
04:00 AM - 04:05 AM	44.0	43.0	06:40 AM - 06:45 AM	47.1	43.9	09:20 AM - 09:25 AM	48.7	45.2
04:05 AM - 04:10 AM	45.0	44.4	06:45 AM - 06:50 AM	46.2	42.9	09:25 AM - 09:30 AM	49.5	46.7
04:10 AM - 04:15 AM	44.8	44.2	06:50 AM - 06:55 AM	44.9	43.2	09:30 AM - 09:35 AM	48.7	45.3
04:15 AM - 04:20 AM	45.8	44.2	06:55 AM - 07:00 AM	44.5	43.0	09:35 AM - 09:40 AM	48.2	46.0
04:20 AM - 04:25 AM	52.7	44.1	07:00 AM - 07:05 AM	45.8	42.7	09:40 AM - 09:45 AM	49.2	46.7
04:25 AM - 04:30 AM	44.1	43.7	07:05 AM - 07:10 AM	46.1	43.0	09:45 AM - 09:50 AM	48.0	45.0
04:30 AM - 04:35 AM	44.9	44.3	07:10 AM - 07:15 AM	45.1	42.4	09:50 AM - 09:55 AM	46.8	44.9
04:35 AM - 04:40 AM	44.8	44.1	07:15 AM - 07:20 AM	46.0	42.4	09:55 AM - 10:00 AM	47.2	45.5



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599244
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3459536-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample Number 2599244-10
Parameter Noise Level (Leq 5 min)
Location บริเวณที่ใกล้จากตัวอาคารและถนนโดยรอบโครงการ (N2) (GPS 47P 0745062, 1426997)
Measurement Date Nov 18 - Nov 19, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531307

Nov 18, 2025	Leq	L90	Nov 18, 2025	Leq	L90	Nov 18 - Nov 19, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
06:00 PM - 06:05 PM	45.7	44.7	08:40 PM - 08:45 PM	49.5	47.8	11:20 PM - 11:25 PM	46.1	45.4
06:05 PM - 06:10 PM	46.5	45.5	08:45 PM - 08:50 PM	49.2	47.6	11:25 PM - 11:30 PM	46.2	45.3
06:10 PM - 06:15 PM	46.4	45.6	08:50 PM - 08:55 PM	48.7	47.5	11:30 PM - 11:35 PM	46.2	45.4
06:15 PM - 06:20 PM	47.6	46.5	08:55 PM - 09:00 PM	48.5	47.3	11:35 PM - 11:40 PM	46.2	45.5
06:20 PM - 06:25 PM	48.5	47.8	09:00 PM - 09:05 PM	47.8	46.5	11:40 PM - 11:45 PM	47.0	46.2
06:25 PM - 06:30 PM	49.5	48.4	09:05 PM - 09:10 PM	47.3	46.5	11:45 PM - 11:50 PM	46.7	45.8
06:30 PM - 06:35 PM	49.1	48.5	09:10 PM - 09:15 PM	47.8	46.6	11:50 PM - 11:55 PM	47.0	46.0
06:35 PM - 06:40 PM	48.8	48.2	09:15 PM - 09:20 PM	48.1	46.6	11:55 PM - 12:00 AM	48.0	46.2
06:40 PM - 06:45 PM	49.0	48.2	09:20 PM - 09:25 PM	47.8	46.7	12:00 AM - 12:05 AM	48.6	45.7
06:45 PM - 06:50 PM	49.1	48.0	09:25 PM - 09:30 PM	46.7	45.5	12:05 AM - 12:10 AM	48.5	46.7
06:50 PM - 06:55 PM	47.5	45.6	09:30 PM - 09:35 PM	48.5	46.5	12:10 AM - 12:15 AM	46.8	45.5
06:55 PM - 07:00 PM	47.7	46.9	09:35 PM - 09:40 PM	49.2	46.9	12:15 AM - 12:20 AM	47.3	45.9
07:00 PM - 07:05 PM	47.8	47.1	09:40 PM - 09:45 PM	48.3	46.9	12:20 AM - 12:25 AM	46.9	46.0
07:05 PM - 07:10 PM	48.2	47.4	09:45 PM - 09:50 PM	47.1	45.9	12:25 AM - 12:30 AM	47.4	46.2
07:10 PM - 07:15 PM	48.3	47.6	09:50 PM - 09:55 PM	48.1	46.8	12:30 AM - 12:35 AM	47.1	45.9
07:15 PM - 07:20 PM	48.2	47.5	09:55 PM - 10:00 PM	48.8	47.0	12:35 AM - 12:40 AM	47.1	46.0
07:20 PM - 07:25 PM	48.6	47.8	10:00 PM - 10:05 PM	49.0	47.1	12:40 AM - 12:45 AM	46.9	45.9
07:25 PM - 07:30 PM	48.7	47.9	10:05 PM - 10:10 PM	48.7	46.9	12:45 AM - 12:50 AM	47.3	46.4
07:30 PM - 07:35 PM	48.5	47.6	10:10 PM - 10:15 PM	48.6	47.0	12:50 AM - 12:55 AM	47.7	47.0
07:35 PM - 07:40 PM	48.2	47.2	10:15 PM - 10:20 PM	49.2	47.1	12:55 AM - 01:00 AM	47.8	47.1
07:40 PM - 07:45 PM	48.1	46.9	10:20 PM - 10:25 PM	49.1	47.0	01:00 AM - 01:05 AM	47.9	46.8
07:45 PM - 07:50 PM	48.4	47.1	10:25 PM - 10:30 PM	48.7	46.5	01:05 AM - 01:10 AM	47.8	46.6
07:50 PM - 07:55 PM	48.6	46.9	10:30 PM - 10:35 PM	48.2	46.1	01:10 AM - 01:15 AM	47.5	46.5
07:55 PM - 08:00 PM	48.9	47.4	10:35 PM - 10:40 PM	46.9	45.6	01:15 AM - 01:20 AM	47.4	46.4
08:00 PM - 08:05 PM	49.6	47.8	10:40 PM - 10:45 PM	48.2	46.2	01:20 AM - 01:25 AM	47.1	46.0
08:05 PM - 08:10 PM	48.9	47.1	10:45 PM - 10:50 PM	48.4	46.3	01:25 AM - 01:30 AM	47.2	46.5
08:10 PM - 08:15 PM	49.2	47.2	10:50 PM - 10:55 PM	48.4	46.6	01:30 AM - 01:35 AM	47.1	46.1
08:15 PM - 08:20 PM	49.2	46.9	10:55 PM - 11:00 PM	48.6	46.9	01:35 AM - 01:40 AM	47.5	46.1
08:20 PM - 08:25 PM	49.3	47.2	11:00 PM - 11:05 PM	47.8	46.1	01:40 AM - 01:45 AM	46.8	45.9
08:25 PM - 08:30 PM	49.7	47.4	11:05 PM - 11:10 PM	47.6	46.1	01:45 AM - 01:50 AM	46.2	44.4
08:30 PM - 08:35 PM	49.1	47.2	11:10 PM - 11:15 PM	46.5	45.8	01:50 AM - 01:55 AM	46.5	44.5
08:35 PM - 08:40 PM	49.2	47.6	11:15 PM - 11:20 PM	46.6	45.9	01:55 AM - 02:00 AM	48.9	46.7

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599244
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3459536-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample Number 2599244-10
Parameter Noise Level (Leq 5 min)
Location บริเวณที่ใกล้จากตัวอาคารและถนนโดยรอบโครงการ (N2) (GPS 47P 0745062, 1426997)
Measurement Date Nov 18 - Nov 19, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531307

Nov 19, 2025	Leq	L90	Nov 19, 2025	Leq	L90	Nov 19, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
02:00 AM - 02:05 AM	48.7	46.0	04:40 AM - 04:45 AM	46.4	45.5	07:20 AM - 07:25 AM	48.3	45.9
02:05 AM - 02:10 AM	51.6	50.9	04:45 AM - 04:50 AM	46.4	45.8	07:25 AM - 07:30 AM	49.5	46.2
02:10 AM - 02:15 AM	51.8	50.8	04:50 AM - 04:55 AM	46.1	45.7	07:30 AM - 07:35 AM	49.2	46.1
02:15 AM - 02:20 AM	51.3	49.1	04:55 AM - 05:00 AM	46.3	45.7	07:35 AM - 07:40 AM	48.8	46.6
02:20 AM - 02:25 AM	48.1	47.1	05:00 AM - 05:05 AM	46.7	45.2	07:40 AM - 07:45 AM	49.1	46.5
02:25 AM - 02:30 AM	47.3	46.4	05:05 AM - 05:10 AM	46.3	45.5	07:45 AM - 07:50 AM	48.8	46.3
02:30 AM - 02:35 AM	45.6	44.4	05:10 AM - 05:15 AM	46.5	45.8	07:50 AM - 07:55 AM	49.7	47.1
02:35 AM - 02:40 AM	45.8	44.4	05:15 AM - 05:20 AM	47.4	45.5	07:55 AM - 08:00 AM	49.8	46.8
02:40 AM - 02:45 AM	46.0	44.9	05:20 AM - 05:25 AM	46.7	45.6	08:00 AM - 08:05 AM	53.6	47.8
02:45 AM - 02:50 AM	45.8	44.9	05:25 AM - 05:30 AM	46.0	45.3	08:05 AM - 08:10 AM	50.9	47.5
02:50 AM - 02:55 AM	47.1	46.0	05:30 AM - 05:35 AM	45.6	45.0	08:10 AM - 08:15 AM	50.4	47.7
02:55 AM - 03:00 AM	46.6	45.9	05:35 AM - 05:40 AM	46.3	45.5	08:15 AM - 08:20 AM	49.1	47.3
03:00 AM - 03:05 AM	47.0	46.2	05:40 AM - 05:45 AM	46.2	45.6	08:20 AM - 08:25 AM	49.3	47.1
03:05 AM - 03:10 AM	46.9	46.1	05:45 AM - 05:50 AM	47.2	45.8	08:25 AM - 08:30 AM	48.9	46.9
03:10 AM - 03:15 AM	46.8	46.1	05:50 AM - 05:55 AM	48.8	45.3	08:30 AM - 08:35 AM	48.6	46.3
03:15 AM - 03:20 AM	46.5	46.0	05:55 AM - 06:00 AM	48.9	45.5	08:35 AM - 08:40 AM	48.8	46.0
03:20 AM - 03:25 AM	46.1	45.7	06:00 AM - 06:05 AM	47.1	45.3	08:40 AM - 08:45 AM	48.3	46.6
03:25 AM - 03:30 AM	46.3	45.9	06:05 AM - 06:10 AM	48.4	45.6	08:45 AM - 08:50 AM	50.5	47.3
03:30 AM - 03:35 AM	46.3	45.8	06:10 AM - 06:15 AM	48.9	45.5	08:50 AM - 08:55 AM	51.1	48.0
03:35 AM - 03:40 AM	46.4	46.0	06:15 AM - 06:20 AM	48.8	46.1	08:55 AM - 09:00 AM	50.8	48.3
03:40 AM - 03:45 AM	46.3	45.7	06:20 AM - 06:25 AM	48.5	45.3	09:00 AM - 09:05 AM	50.3	48.1
03:45 AM - 03:50 AM	45.9	45.1	06:25 AM - 06:30 AM	47.7	45.7	09:05 AM - 09:10 AM	49.6	47.7
03:50 AM - 03:55 AM	45.2	44.6	06:30 AM - 06:35 AM	48.0	45.7	09:10 AM - 09:15 AM	50.0	47.2
03:55 AM - 04:00 AM	45.5	44.9	06:35 AM - 06:40 AM	48.4	45.9	09:15 AM - 09:20 AM	48.3	46.7
04:00 AM - 04:05 AM	45.8	45.2	06:40 AM - 06:45 AM	48.0	45.3	09:20 AM - 09:25 AM	49.7	47.3
04:05 AM - 04:10 AM	45.9	45.4	06:45 AM - 06:50 AM	47.9	45.0	09:25 AM - 09:30 AM	51.1	47.9
04:10 AM - 04:15 AM	45.8	45.2	06:50 AM - 06:55 AM	48.2	44.9	09:30 AM - 09:35 AM	50.3	47.6
04:15 AM - 04:20 AM	45.6	45.1	06:55 AM - 07:00 AM	47.5	45.0	09:35 AM - 09:40 AM	50.5	48.8
04:20 AM - 04:25 AM	45.4	45.0	07:00 AM - 07:05 AM	47.0	44.9	09:40 AM - 09:45 AM	50.7	48.9
04:25 AM - 04:30 AM	46.8	45.6	07:05 AM - 07:10 AM	48.6	45.1	09:45 AM - 09:50 AM	50.2	48.0
04:30 AM - 04:35 AM	46.0	45.5	07:10 AM - 07:15 AM	50.1	45.2	09:50 AM - 09:55 AM	48.7	46.5
04:35 AM - 04:40 AM	48.1	45.7	07:15 AM - 07:20 AM	48.6	45.5	09:55 AM - 10:00 AM	48.4	46.6

The above results are valid only for the analysed/tested sample(s) as indicated in the report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Sarayuht Jitranont
Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599244
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3459537-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample Number 2599244-11
Parameter Noise Level (Leq 5 min)
Location บริเวณที่ใกล้จากตัวอาคารและถนนโดยรอบโครงการ (N2) (GPS 47P 0745062, 1426997)
Measurement Date Nov 19 - Nov 20, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531307

Nov 19, 2025			Nov 19, 2025			Nov 19, 2025		
Time	Leq	L90	Time	Leq	L90	Time	Leq	L90
	dB(A)	dB(A)		dB(A)	dB(A)		dB(A)	dB(A)
10:00 AM - 10:05 AM	49.6	46.8	12:40 PM - 12:45 PM	45.6	43.2	03:20 PM - 03:25 PM	47.7	44.6
10:05 AM - 10:10 AM	48.9	46.7	12:45 PM - 12:50 PM	45.7	43.7	03:25 PM - 03:30 PM	45.7	44.2
10:10 AM - 10:15 AM	49.7	47.8	12:50 PM - 12:55 PM	48.3	45.1	03:30 PM - 03:35 PM	45.2	44.1
10:15 AM - 10:20 AM	50.1	48.3	12:55 PM - 01:00 PM	45.9	43.1	03:35 PM - 03:40 PM	46.1	44.7
10:20 AM - 10:25 AM	49.1	47.5	01:00 PM - 01:05 PM	49.3	46.3	03:40 PM - 03:45 PM	46.4	44.8
10:25 AM - 10:30 AM	48.9	47.1	01:05 PM - 01:10 PM	49.3	47.2	03:45 PM - 03:50 PM	46.4	44.8
10:30 AM - 10:35 AM	49.8	47.8	01:10 PM - 01:15 PM	50.0	47.5	03:50 PM - 03:55 PM	46.2	44.8
10:35 AM - 10:40 AM	48.7	47.0	01:15 PM - 01:20 PM	50.6	48.1	03:55 PM - 04:00 PM	47.2	44.8
10:40 AM - 10:45 AM	50.6	46.4	01:20 PM - 01:25 PM	48.9	46.9	04:00 PM - 04:05 PM	48.4	46.4
10:45 AM - 10:50 AM	49.2	47.0	01:25 PM - 01:30 PM	49.4	47.5	04:05 PM - 04:10 PM	48.0	45.4
10:50 AM - 10:55 AM	48.7	46.5	01:30 PM - 01:35 PM	50.0	46.7	04:10 PM - 04:15 PM	47.3	44.9
10:55 AM - 11:00 AM	48.0	46.4	01:35 PM - 01:40 PM	49.4	46.0	04:15 PM - 04:20 PM	45.2	44.1
11:00 AM - 11:05 AM	49.7	47.5	01:40 PM - 01:45 PM	47.5	45.3	04:20 PM - 04:25 PM	69.7	44.4
11:05 AM - 11:10 AM	48.3	46.0	01:45 PM - 01:50 PM	45.8	44.3	04:25 PM - 04:30 PM	71.8	44.6
11:10 AM - 11:15 AM	48.0	45.2	01:50 PM - 01:55 PM	49.4	45.9	04:30 PM - 04:35 PM	47.1	44.6
11:15 AM - 11:20 AM	49.1	46.2	01:55 PM - 02:00 PM	48.0	45.7	04:35 PM - 04:40 PM	46.8	45.2
11:20 AM - 11:25 AM	46.8	44.9	02:00 PM - 02:05 PM	48.1	46.0	04:40 PM - 04:45 PM	46.2	44.9
11:25 AM - 11:30 AM	46.5	44.9	02:05 PM - 02:10 PM	48.2	45.8	04:45 PM - 04:50 PM	46.3	45.0
11:30 AM - 11:35 AM	48.5	45.4	02:10 PM - 02:15 PM	48.3	45.7	04:50 PM - 04:55 PM	49.6	44.8
11:35 AM - 11:40 AM	47.3	45.4	02:15 PM - 02:20 PM	47.9	45.7	04:55 PM - 05:00 PM	48.5	44.9
11:40 AM - 11:45 AM	46.2	44.7	02:20 PM - 02:25 PM	47.7	45.1	05:00 PM - 05:05 PM	46.8	44.7
11:45 AM - 11:50 AM	46.3	45.0	02:25 PM - 02:30 PM	47.5	45.3	05:05 PM - 05:10 PM	45.8	43.7
11:50 AM - 11:55 AM	48.4	45.8	02:30 PM - 02:35 PM	48.4	46.2	05:10 PM - 05:15 PM	44.2	43.2
11:55 AM - 12:00 PM	48.3	45.9	02:35 PM - 02:40 PM	47.4	45.1	05:15 PM - 05:20 PM	44.8	42.8
12:00 PM - 12:05 PM	48.2	45.6	02:40 PM - 02:45 PM	48.0	45.6	05:20 PM - 05:25 PM	46.2	43.1
12:05 PM - 12:10 PM	48.1	44.4	02:45 PM - 02:50 PM	48.4	46.4	05:25 PM - 05:30 PM	43.9	43.0
12:10 PM - 12:15 PM	48.1	43.9	02:50 PM - 02:55 PM	48.4	46.3	05:30 PM - 05:35 PM	45.7	43.7
12:15 PM - 12:20 PM	46.4	44.4	02:55 PM - 03:00 PM	48.6	47.0	05:35 PM - 05:40 PM	45.8	44.9
12:20 PM - 12:25 PM	46.6	44.1	03:00 PM - 03:05 PM	48.1	46.0	05:40 PM - 05:45 PM	46.5	44.9
12:25 PM - 12:30 PM	46.2	44.2	03:05 PM - 03:10 PM	47.5	45.9	05:45 PM - 05:50 PM	45.1	43.7
12:30 PM - 12:35 PM	50.3	45.4	03:10 PM - 03:15 PM	47.2	45.2	05:50 PM - 05:55 PM	46.2	45.0
12:35 PM - 12:40 PM	49.2	45.7	03:15 PM - 03:20 PM	48.8	45.6	05:55 PM - 06:00 PM	46.1	44.9



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599244
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3459537-1

Page 3 of 3

Sample Number : 2599244-11
Parameter : Noise Level (Leq 5 min)
Location : บริเวณที่ใกล้ตัวบ้านที่สถานีเกษตรหลวงอินทนนท์ (N2) (GPS 47P 0745062, 1426997)
Measurement Date : Nov 19 - Nov 20, 2025
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 531307

Nov 20, 2025	Leq	L90	Nov 20, 2025	Leq	L90	Nov 20, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
02:00 AM - 02:05 AM	46.7	45.5	04:40 AM - 04:45 AM	45.4	43.9	07:20 AM - 07:25 AM	44.0	42.2
02:05 AM - 02:10 AM	47.0	45.7	04:45 AM - 04:50 AM	45.0	44.1	07:25 AM - 07:30 AM	43.6	42.3
02:10 AM - 02:15 AM	47.4	46.2	04:50 AM - 04:55 AM	45.2	44.1	07:30 AM - 07:35 AM	44.7	43.1
02:15 AM - 02:20 AM	48.6	47.1	04:55 AM - 05:00 AM	46.5	44.8	07:35 AM - 07:40 AM	45.1	43.1
02:20 AM - 02:25 AM	47.2	46.1	05:00 AM - 05:05 AM	45.3	44.3	07:40 AM - 07:45 AM	46.7	43.7
02:25 AM - 02:30 AM	47.4	45.9	05:05 AM - 05:10 AM	46.1	44.7	07:45 AM - 07:50 AM	46.6	43.0
02:30 AM - 02:35 AM	49.4	47.0	05:10 AM - 05:15 AM	45.7	43.7	07:50 AM - 07:55 AM	47.3	43.3
02:35 AM - 02:40 AM	49.1	47.3	05:15 AM - 05:20 AM	45.5	43.8	07:55 AM - 08:00 AM	49.0	45.5
02:40 AM - 02:45 AM	48.0	46.4	05:20 AM - 05:25 AM	45.9	44.0	08:00 AM - 08:05 AM	51.8	48.2
02:45 AM - 02:50 AM	49.0	47.1	05:25 AM - 05:30 AM	47.5	45.8	08:05 AM - 08:10 AM	49.7	46.4
02:50 AM - 02:55 AM	49.5	47.2	05:30 AM - 05:35 AM	48.2	46.3	08:10 AM - 08:15 AM	51.2	48.3
02:55 AM - 03:00 AM	48.6	46.4	05:35 AM - 05:40 AM	46.3	44.4	08:15 AM - 08:20 AM	47.6	45.8
03:00 AM - 03:05 AM	47.1	45.5	05:40 AM - 05:45 AM	45.5	43.9	08:20 AM - 08:25 AM	49.1	46.3
03:05 AM - 03:10 AM	48.4	46.5	05:45 AM - 05:50 AM	45.0	43.8	08:25 AM - 08:30 AM	50.6	47.3
03:10 AM - 03:15 AM	47.2	45.5	05:50 AM - 05:55 AM	45.5	44.2	08:30 AM - 08:35 AM	49.7	47.8
03:15 AM - 03:20 AM	48.4	46.1	05:55 AM - 06:00 AM	50.3	45.3	08:35 AM - 08:40 AM	50.6	47.9
03:20 AM - 03:25 AM	47.9	46.9	06:00 AM - 06:05 AM	50.5	44.9	08:40 AM - 08:45 AM	49.7	46.4
03:25 AM - 03:30 AM	48.6	47.4	06:05 AM - 06:10 AM	49.4	44.7	08:45 AM - 08:50 AM	47.5	45.7
03:30 AM - 03:35 AM	48.9	47.0	06:10 AM - 06:15 AM	47.7	43.5	08:50 AM - 08:55 AM	48.1	46.0
03:35 AM - 03:40 AM	48.8	46.8	06:15 AM - 06:20 AM	47.5	43.5	08:55 AM - 09:00 AM	47.4	45.6
03:40 AM - 03:45 AM	47.1	45.3	06:20 AM - 06:25 AM	47.3	43.6	09:00 AM - 09:05 AM	47.2	45.0
03:45 AM - 03:50 AM	47.2	45.6	06:25 AM - 06:30 AM	45.6	42.8	09:05 AM - 09:10 AM	46.4	44.8
03:50 AM - 03:55 AM	45.8	44.7	06:30 AM - 06:35 AM	44.2	42.3	09:10 AM - 09:15 AM	45.7	44.6
03:55 AM - 04:00 AM	45.7	43.8	06:35 AM - 06:40 AM	48.9	42.6	09:15 AM - 09:20 AM	45.6	44.4
04:00 AM - 04:05 AM	46.9	45.2	06:40 AM - 06:45 AM	45.3	42.2	09:20 AM - 09:25 AM	48.1	44.9
04:05 AM - 04:10 AM	48.9	46.3	06:45 AM - 06:50 AM	45.3	42.5	09:25 AM - 09:30 AM	46.5	44.9
04:10 AM - 04:15 AM	48.2	45.3	06:50 AM - 06:55 AM	55.9	42.8	09:30 AM - 09:35 AM	47.2	45.6
04:15 AM - 04:20 AM	48.5	45.2	06:55 AM - 07:00 AM	45.4	42.8	09:35 AM - 09:40 AM	49.0	46.1
04:20 AM - 04:25 AM	46.2	44.6	07:00 AM - 07:05 AM	45.6	42.4	09:40 AM - 09:45 AM	53.1	47.7
04:25 AM - 04:30 AM	45.2	44.3	07:05 AM - 07:10 AM	46.2	42.5	09:45 AM - 09:50 AM	50.0	48.0
04:30 AM - 04:35 AM	45.9	43.5	07:10 AM - 07:15 AM	44.7	42.3	09:50 AM - 09:55 AM	50.9	48.0
04:35 AM - 04:40 AM	47.4	44.0	07:15 AM - 07:20 AM	43.9	42.3	09:55 AM - 10:00 AM	49.0	46.8

The above results are valid only for the analysed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. A.S. Laboratory Group (Thailand) strongly recommends that the report is not reproduced except in full.

Approved by

Sarayuht Jitranont
Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599244
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3459538-1

Page 1 of 3

Sample Number : 2599244-12
Parameter : Noise Level (Leq 5 min)
Location : บริเวณที่ใกล้ตัวบ้านที่สถานีเกษตรหลวงอินทนนท์ (N2) (GPS 47P 0745062, 1426997)
Measurement Date : Nov 20 - Nov 21, 2025
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 531307

Nov 20, 2025	Leq	L90	Nov 20, 2025	Leq	L90	Nov 20, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
10:00 AM - 10:05 AM	48.8	46.2	12:40 PM - 12:45 PM	46.3	43.1	03:20 PM - 03:25 PM	46.7	45.2
10:05 AM - 10:10 AM	47.2	45.9	12:45 PM - 12:50 PM	46.6	42.6	03:25 PM - 03:30 PM	47.9	46.1
10:10 AM - 10:15 AM	47.9	45.8	12:50 PM - 12:55 PM	47.6	43.1	03:30 PM - 03:35 PM	48.6	46.0
10:15 AM - 10:20 AM	48.4	45.5	12:55 PM - 01:00 PM	46.4	42.2	03:35 PM - 03:40 PM	48.2	46.2
10:20 AM - 10:25 AM	48.4	46.6	01:00 PM - 01:05 PM	49.9	43.5	03:40 PM - 03:45 PM	48.3	46.8
10:25 AM - 10:30 AM	48.4	46.2	01:05 PM - 01:10 PM	47.7	44.5	03:45 PM - 03:50 PM	48.4	46.8
10:30 AM - 10:35 AM	49.0	47.2	01:10 PM - 01:15 PM	46.1	44.8	03:50 PM - 03:55 PM	48.2	46.2
10:35 AM - 10:40 AM	48.9	46.4	01:15 PM - 01:20 PM	48.0	44.9	03:55 PM - 04:00 PM	47.2	45.9
10:40 AM - 10:45 AM	47.2	46.0	01:20 PM - 01:25 PM	46.8	44.9	04:00 PM - 04:05 PM	47.2	45.6
10:45 AM - 10:50 AM	46.5	45.2	01:25 PM - 01:30 PM	45.9	44.7	04:05 PM - 04:10 PM	46.3	45.2
10:50 AM - 10:55 AM	48.3	45.8	01:30 PM - 01:35 PM	48.4	44.8	04:10 PM - 04:15 PM	46.0	44.8
10:55 AM - 11:00 AM	47.6	45.9	01:35 PM - 01:40 PM	46.7	44.1	04:15 PM - 04:20 PM	46.4	44.6
11:00 AM - 11:05 AM	46.8	45.1	01:40 PM - 01:45 PM	45.1	43.9	04:20 PM - 04:25 PM	48.6	44.4
11:05 AM - 11:10 AM	46.1	45.0	01:45 PM - 01:50 PM	44.9	43.9	04:25 PM - 04:30 PM	47.3	44.9
11:10 AM - 11:15 AM	48.1	45.3	01:50 PM - 01:55 PM	45.5	44.4	04:30 PM - 04:35 PM	48.1	45.6
11:15 AM - 11:20 AM	47.1	45.6	01:55 PM - 02:00 PM	45.3	44.3	04:35 PM - 04:40 PM	46.8	44.7
11:20 AM - 11:25 AM	49.6	45.0	02:00 PM - 02:05 PM	47.5	45.4	04:40 PM - 04:45 PM	47.8	45.0
11:25 AM - 11:30 AM	47.0	45.3	02:05 PM - 02:10 PM	47.0	45.4	04:45 PM - 04:50 PM	47.2	45.3
11:30 AM - 11:35 AM	48.0	46.2	02:10 PM - 02:15 PM	47.3	45.2	04:50 PM - 04:55 PM	47.8	45.9
11:35 AM - 11:40 AM	46.5	45.2	02:15 PM - 02:20 PM	47.7	46.0	04:55 PM - 05:00 PM	47.6	45.9
11:40 AM - 11:45 AM	47.2	44.5	02:20 PM - 02:25 PM	47.4	45.9	05:00 PM - 05:05 PM	47.2	44.8
11:45 AM - 11:50 AM	47.4	45.9	02:25 PM - 02:30 PM	48.0	46.2	05:05 PM - 05:10 PM	46.7	44.7
11:50 AM - 11:55 AM	46.4	44.9	02:30 PM - 02:35 PM	46.3	46.4	05:10 PM - 05:15 PM	48.5	43.7
11:55 AM - 12:00 PM	47.0	45.0	02:35 PM - 02:40 PM	48.9	47.2	05:15 PM - 05:20 PM	46.0	43.7
12:00 PM - 12:05 PM	47.7	44.0	02:40 PM - 02:45 PM	48.1	46.2	05:20 PM - 05:25 PM	45.7	43.3
12:05 PM - 12:10 PM	48.9	46.3	02:45 PM - 02:50 PM	47.6	45.9	05:25 PM - 05:30 PM	58.9	43.5
12:10 PM - 12:15 PM	45.3	42.9	02:50 PM - 02:55 PM	48.6	46.0	05:30 PM - 05:35 PM	46.0	44.2
12:15 PM - 12:20 PM	46.5	43.2	02:55 PM - 03:00 PM	47.4	45.7	05:35 PM - 05:40 PM	46.5	45.3
12:20 PM - 12:25 PM	45.9	42.7	03:00 PM - 03:05 PM	46.2	44.8	05:40 PM - 05:45 PM	46.1	45.1
12:25 PM - 12:30 PM	46.6	44.3	03:05 PM - 03:10 PM	46.0	45.0	05:45 PM - 05:50 PM	46.0	44.6
12:30 PM - 12:35 PM	45.9	43.5	03:10 PM - 03:15 PM	46.7	45.3	05:50 PM - 05:55 PM	47.1	44.7
12:35 PM - 12:40 PM	45.7	43.7	03:15 PM - 03:20 PM	47.6	46.0	05:55 PM - 06:00 PM	45.5	44.6

The above results are valid only for the analysed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. A.S. Laboratory Group (Thailand) strongly recommends that the report is not reproduced except in full.

Approved by

Sarayuht Jitranont
Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599244
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3459538-1

Page 2 of 3

Sample Number : 2599244-12
Parameter : Noise Level (Leq 5 min)
Location : บริเวณที่ใกล้ตัวบ้านที่สถานีเกษตรหลวงอินทนนท์ (N2) (GPS 47P 0745062, 1426997)
Measurement Date : Nov 20 - Nov 21, 2025
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 531307

Nov 20, 2025			Nov 20, 2025			Nov 20 - Nov 21, 2025		
Time	Leq	L90	Time	Leq	L90	Time	Leq	L90
	dB(A)	dB(A)		dB(A)	dB(A)		dB(A)	dB(A)
05:00 PM - 05:05 PM	44.7	43.9	08:40 PM - 08:45 PM	45.7	44.2	11:20 PM - 11:25 PM	45.1	44.0
05:05 PM - 05:10 PM	44.8	44.0	08:45 PM - 08:50 PM	46.1	44.7	11:25 PM - 11:30 PM	49.1	42.8
05:10 PM - 05:15 PM	45.6	44.7	08:50 PM - 08:55 PM	45.7	44.6	11:30 PM - 11:35 PM	46.8	42.7
05:15 PM - 05:20 PM	45.7	45.1	08:55 PM - 09:00 PM	45.6	44.7	11:35 PM - 11:40 PM	43.8	43.0
05:20 PM - 05:25 PM	46.3	45.6	09:00 PM - 09:05 PM	45.5	44.5	11:40 PM - 11:45 PM	44.5	43.4
05:25 PM - 05:30 PM	46.7	46.1	09:05 PM - 09:10 PM	46.1	44.3	11:45 PM - 11:50 PM	44.6	43.1
05:30 PM - 05:35 PM	46.4	45.9	09:10 PM - 09:15 PM	45.6	44.8	11:50 PM - 11:55 PM	44.2	43.4
05:35 PM - 05:40 PM	47.0	46.0	09:15 PM - 09:20 PM	45.1	44.3	11:55 PM - 12:00 AM	43.9	43.1
05:40 PM - 05:45 PM	46.9	46.2	09:20 PM - 09:25 PM	44.9	44.1	12:00 AM - 12:05 AM	44.0	42.8
05:45 PM - 05:50 PM	46.9	46.2	09:25 PM - 09:30 PM	45.0	44.2	12:05 AM - 12:10 AM	43.7	43.0
05:50 PM - 05:55 PM	46.9	46.1	09:30 PM - 09:35 PM	44.9	43.9	12:10 AM - 12:15 AM	43.9	43.1
05:55 PM - 07:00 PM	47.1	46.4	09:35 PM - 09:40 PM	45.5	44.8	12:15 AM - 12:20 AM	43.7	43.2
07:00 PM - 07:05 PM	47.1	46.4	09:40 PM - 09:45 PM	45.9	44.9	12:20 AM - 12:25 AM	43.8	43.1
07:05 PM - 07:10 PM	47.5	46.4	09:45 PM - 09:50 PM	45.6	44.7	12:25 AM - 12:30 AM	44.0	43.2
07:10 PM - 07:15 PM	47.1	46.4	09:50 PM - 09:55 PM	45.3	44.6	12:30 AM - 12:35 AM	44.4	43.7
07:15 PM - 07:20 PM	46.8	46.1	09:55 PM - 10:00 PM	45.9	44.7	12:35 AM - 12:40 AM	44.7	43.3
07:20 PM - 07:25 PM	46.8	46.1	10:00 PM - 10:05 PM	44.9	44.3	12:40 AM - 12:45 AM	44.4	43.4
07:25 PM - 07:30 PM	47.1	46.3	10:05 PM - 10:10 PM	45.6	44.6	12:45 AM - 12:50 AM	43.9	43.3
07:30 PM - 07:35 PM	47.1	46.1	10:10 PM - 10:15 PM	45.4	44.5	12:50 AM - 12:55 AM	43.7	43.0
07:35 PM - 07:40 PM	46.7	45.9	10:15 PM - 10:20 PM	44.3	44.3	01:00 AM - 01:05 AM	43.8	43.0
07:40 PM - 07:45 PM	46.5	45.4	10:20 PM - 10:25 PM	44.8	44.2	01:05 AM - 01:10 AM	43.8	43.1
07:45 PM - 07:50 PM	46.2	45.3	10:25 PM - 10:30 PM	45.4	44.6	01:10 AM - 01:15 AM	43.6	43.1
07:50 PM - 07:55 PM	46.9	45.6	10:30 PM - 10:35 PM	45.3	44.6	01:10 AM - 01:15 AM	43.1	42.4
07:55 PM - 08:00 PM	46.7	45.6	10:35 PM - 10:40 PM	45.0	44.3	01:15 AM - 01:20 AM	43.2	42.5
08:00 PM - 08:05 PM	47.2	46.0	10:40 PM - 10:45 PM	44.9	44.0	01:20 AM - 01:25 AM	43.4	42.6
08:05 PM - 08:10 PM	49.2	46.1	10:45 PM - 10:50 PM	44.3	43.4	01:25 AM - 01:30 AM	43.8	42.8
08:10 PM - 08:15 PM	47.5	45.9	10:50 PM - 10:55 PM	44.7	44.0	01:30 AM - 01:35 AM	52.2	47.1
08:15 PM - 08:20 PM	46.6	45.3	10:55 PM - 11:00 PM	45.0	44.3	01:35 AM - 01:40 AM	42.9	41.9
08:20 PM - 08:25 PM	46.7	44.8	11:00 PM - 11:05 PM	45.1	44.3	01:40 AM - 01:45 AM	47.0	42.0
08:25 PM - 08:30 PM	45.1	44.5	11:05 PM - 11:10 PM	45.2	44.2	01:45 AM - 01:50 AM	50.0	43.0
08:30 PM - 08:35 PM	45.1	44.4	11:10 PM - 11:15 PM	46.6	44.2	01:50 AM - 01:55 AM	43.9	43.0
08:35 PM - 08:40 PM	45.7	44.6	11:15 PM - 11:20 PM	45.4	44.3	01:55 AM - 02:00 AM	43.7	42.9



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599244
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3459539-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample Number 2599244-13
Parameter Noise Level (Leq 5 min)
Location บริเวณพื้นที่ภายในอาคารและนอกอาคาร (N2) (GPS 47P 0745062, 1426997)
Measurement Date Nov 21 - Nov 22, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531307

Nov 21, 2025			Nov 21, 2025			Nov 21, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
10:00 AM - 10:05 AM	49.2	47.5	12:40 PM - 12:45 PM	45.1	42.2	03:20 PM - 03:25 PM	46.1	44.9
10:05 AM - 10:10 AM	51.4	48.9	12:45 PM - 12:50 PM	45.1	42.8	03:25 PM - 03:30 PM	46.2	44.8
10:10 AM - 10:15 AM	50.3	48.1	12:50 PM - 12:55 PM	44.1	41.4	03:30 PM - 03:35 PM	46.6	44.7
10:15 AM - 10:20 AM	50.3	47.8	12:55 PM - 01:00 PM	45.3	41.4	03:35 PM - 03:40 PM	45.7	44.4
10:20 AM - 10:25 AM	51.8	49.1	01:00 PM - 01:05 PM	49.1	42.3	03:40 PM - 03:45 PM	46.3	44.4
10:25 AM - 10:30 AM	49.9	48.1	01:05 PM - 01:10 PM	49.6	43.7	03:45 PM - 03:50 PM	46.2	44.5
10:30 AM - 10:35 AM	50.3	48.0	01:10 PM - 01:15 PM	45.1	43.7	03:50 PM - 03:55 PM	47.1	44.5
10:35 AM - 10:40 AM	49.9	48.1	01:15 PM - 01:20 PM	46.1	44.1	03:55 PM - 04:00 PM	47.2	45.7
10:40 AM - 10:45 AM	48.9	47.0	01:20 PM - 01:25 PM	50.2	44.4	04:00 PM - 04:05 PM	47.4	46.0
10:45 AM - 10:50 AM	49.2	47.1	01:25 PM - 01:30 PM	45.6	43.9	04:05 PM - 04:10 PM	47.1	45.7
10:50 AM - 10:55 AM	48.4	46.8	01:30 PM - 01:35 PM	45.3	44.0	04:10 PM - 04:15 PM	46.4	45.0
10:55 AM - 11:00 AM	48.2	46.6	01:35 PM - 01:40 PM	46.2	44.9	04:15 PM - 04:20 PM	47.0	45.5
11:00 AM - 11:05 AM	48.1	46.5	01:40 PM - 01:45 PM	46.6	45.1	04:20 PM - 04:25 PM	48.4	45.3
11:05 AM - 11:10 AM	49.0	46.3	01:45 PM - 01:50 PM	45.6	44.7	04:25 PM - 04:30 PM	46.5	44.5
11:10 AM - 11:15 AM	49.9	47.2	01:50 PM - 01:55 PM	45.9	44.1	04:30 PM - 04:35 PM	47.6	45.2
11:15 AM - 11:20 AM	50.0	47.6	01:55 PM - 02:00 PM	45.9	43.7	04:35 PM - 04:40 PM	46.7	45.2
11:20 AM - 11:25 AM	48.9	47.1	02:00 PM - 02:05 PM	44.5	43.4	04:40 PM - 04:45 PM	46.6	45.2
11:25 AM - 11:30 AM	48.9	46.8	02:05 PM - 02:10 PM	46.2	44.8	04:45 PM - 04:50 PM	46.6	45.3
11:30 AM - 11:35 AM	48.5	46.8	02:10 PM - 02:15 PM	46.6	45.4	04:50 PM - 04:55 PM	46.4	45.4
11:35 AM - 11:40 AM	49.3	47.5	02:15 PM - 02:20 PM	46.8	45.5	04:55 PM - 05:00 PM	47.0	45.1
11:40 AM - 11:45 AM	49.0	47.3	02:20 PM - 02:25 PM	46.7	45.6	05:00 PM - 05:05 PM	46.7	45.6
11:45 AM - 11:50 AM	50.6	47.5	02:25 PM - 02:30 PM	45.6	44.7	05:05 PM - 05:10 PM	51.9	43.8
11:50 AM - 11:55 AM	49.6	47.2	02:30 PM - 02:35 PM	46.2	45.7	05:10 PM - 05:15 PM	46.9	43.3
11:55 AM - 12:00 PM	48.8	47.1	02:35 PM - 02:40 PM	48.4	46.3	05:15 PM - 05:20 PM	44.6	43.0
12:00 PM - 12:05 PM	46.9	44.7	02:40 PM - 02:45 PM	64.1	45.2	05:20 PM - 05:25 PM	44.5	43.1
12:05 PM - 12:10 PM	46.1	44.0	02:45 PM - 02:50 PM	45.7	44.4	05:25 PM - 05:30 PM	50.3	44.0
12:10 PM - 12:15 PM	44.2	42.5	02:50 PM - 02:55 PM	48.9	45.1	05:30 PM - 05:35 PM	47.2	45.4
12:15 PM - 12:20 PM	45.2	42.3	02:55 PM - 03:00 PM	49.6	44.8	05:35 PM - 05:40 PM	47.1	45.6
12:20 PM - 12:25 PM	46.9	42.4	03:00 PM - 03:05 PM	47.4	45.7	05:40 PM - 05:45 PM	48.0	46.2
12:25 PM - 12:30 PM	44.1	41.4	03:05 PM - 03:10 PM	45.7	44.6	05:45 PM - 05:50 PM	47.2	45.8
12:30 PM - 12:35 PM	44.4	41.9	03:10 PM - 03:15 PM	54.6	44.8	05:50 PM - 05:55 PM	46.4	45.5
12:35 PM - 12:40 PM	46.2	42.7	03:15 PM - 03:20 PM	45.9	44.6	05:55 PM - 06:00 PM	46.5	45.1

The above results are valid only for the analysed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Sarayuht Jitranont
Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599244
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3459539-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample Number 2599244-13
Parameter Noise Level (Leq 5 min)
Location บริเวณพื้นที่ภายในอาคารและนอกอาคาร (N2) (GPS 47P 0745062, 1426997)
Measurement Date Nov 21 - Nov 22, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531307

Nov 21, 2025			Nov 21, 2025			Nov 21 - Nov 22, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
06:00 PM - 06:05 PM	47.3	45.2	08:40 PM - 08:45 PM	44.4	43.7	11:20 PM - 11:25 PM	45.2	44.1
06:05 PM - 06:10 PM	46.7	45.2	08:45 PM - 08:50 PM	44.8	43.9	11:25 PM - 11:30 PM	45.7	43.7
06:10 PM - 06:15 PM	48.0	45.8	08:50 PM - 08:55 PM	45.2	44.2	11:30 PM - 11:35 PM	45.1	44.0
06:15 PM - 06:20 PM	48.2	46.9	08:55 PM - 09:00 PM	46.2	44.7	11:35 PM - 11:40 PM	45.2	44.0
06:20 PM - 06:25 PM	47.5	45.8	09:00 PM - 09:05 PM	45.8	44.8	11:40 PM - 11:45 PM	45.0	43.8
06:25 PM - 06:30 PM	48.1	47.1	09:05 PM - 09:10 PM	45.2	44.2	11:45 PM - 11:50 PM	44.9	43.7
06:30 PM - 06:35 PM	48.3	47.4	09:10 PM - 09:15 PM	45.4	44.2	11:50 PM - 11:55 PM	45.0	43.8
06:35 PM - 06:40 PM	48.5	47.3	09:15 PM - 09:20 PM	45.2	43.8	11:55 PM - 12:00 AM	45.4	44.2
06:40 PM - 06:45 PM	47.0	47.6	09:20 PM - 09:25 PM	44.6	43.5	12:00 AM - 12:05 AM	45.8	44.6
06:45 PM - 06:50 PM	48.3	47.1	09:25 PM - 09:30 PM	46.3	43.6	12:05 AM - 12:10 AM	45.9	44.2
06:50 PM - 06:55 PM	47.4	46.6	09:30 PM - 09:35 PM	44.4	43.4	12:10 AM - 12:15 AM	47.3	42.3
06:55 PM - 07:00 PM	47.7	46.7	09:35 PM - 09:40 PM	45.8	44.7	12:15 AM - 12:20 AM	44.5	43.2
07:00 PM - 07:05 PM	47.4	46.5	09:40 PM - 09:45 PM	45.9	44.8	12:20 AM - 12:25 AM	44.7	43.6
07:05 PM - 07:10 PM	47.2	46.5	09:45 PM - 09:50 PM	46.8	44.5	12:25 AM - 12:30 AM	44.9	43.5
07:10 PM - 07:15 PM	47.3	46.6	09:50 PM - 09:55 PM	45.9	44.9	12:30 AM - 12:35 AM	44.5	43.2
07:15 PM - 07:20 PM	47.8	46.2	09:55 PM - 10:00 PM	45.8	44.5	12:35 AM - 12:40 AM	46.4	43.7
07:20 PM - 07:25 PM	48.2	46.6	10:00 PM - 10:05 PM	45.0	44.0	12:40 AM - 12:45 AM	44.6	43.6
07:25 PM - 07:30 PM	47.6	46.5	10:05 PM - 10:10 PM	46.9	44.7	12:45 AM - 12:50 AM	44.2	43.4
07:30 PM - 07:35 PM	47.0	45.7	10:10 PM - 10:15 PM	46.3	44.7	12:50 AM - 12:55 AM	44.9	43.4
07:35 PM - 07:40 PM	47.1	45.6	10:15 PM - 10:20 PM	45.4	44.2	12:55 AM - 01:00 AM	44.3	43.6
07:40 PM - 07:45 PM	46.3	45.2	10:20 PM - 10:25 PM	45.5	44.2	01:00 AM - 01:05 AM	44.4	43.7
07:45 PM - 07:50 PM	46.6	45.1	10:25 PM - 10:30 PM	45.2	44.0	01:05 AM - 01:10 AM	44.2	43.6
07:50 PM - 07:55 PM	47.0	45.3	10:30 PM - 10:35 PM	45.1	44.0	01:10 AM - 01:15 AM	44.5	43.6
07:55 PM - 08:00 PM	46.6	45.1	10:35 PM - 10:40 PM	45.3	44.2	01:15 AM - 01:20 AM	44.0	43.4
08:00 PM - 08:05 PM	47.5	45.8	10:40 PM - 10:45 PM	45.7	44.5	01:20 AM - 01:25 AM	47.6	43.1
08:05 PM - 08:10 PM	47.9	46.2	10:45 PM - 10:50 PM	45.6	44.4	01:25 AM - 01:30 AM	43.6	42.8
08:10 PM - 08:15 PM	48.7	47.2	10:50 PM - 10:55 PM	45.4	44.4	01:30 AM - 01:35 AM	43.5	42.7
08:15 PM - 08:20 PM	47.2	45.8	10:55 PM - 11:00 PM	45.9	44.9	01:35 AM - 01:40 AM	43.5	42.8
08:20 PM - 08:25 PM	45.0	44.4	11:00 PM - 11:05 PM	45.5	44.5	01:40 AM - 01:45 AM	43.4	42.8
08:25 PM - 08:30 PM	45.8	45.0	11:05 PM - 11:10 PM	45.2	43.8	01:45 AM - 01:50 AM	43.6	42.9
08:30 PM - 08:35 PM	45.8	45.0	11:10 PM - 11:15 PM	43.8	42.7	01:50 AM - 01:55 AM	43.8	43.1
08:35 PM - 08:40 PM	45.2	44.4	11:15 PM - 11:20 PM	45.1	43.9	01:55 AM - 02:00 AM	43.7	43.1

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Approved by

Sarayuht Jitranont
Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599244
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3459539-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample Number 2599244-13
Parameter Noise Level (Leq 5 min)
Location บริเวณพื้นที่ภายในอาคารและนอกอาคาร (N2) (GPS 47P 0745062, 1426997)
Measurement Date Nov 21 - Nov 22, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531307

Nov 22, 2025			Nov 22, 2025			Nov 22, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
02:00 AM - 02:05 AM	43.8	43.1	04:40 AM - 04:45 AM	43.5	42.4	07:20 AM - 07:25 AM	47.1	42.9
02:05 AM - 02:10 AM	52.6	43.4	04:45 AM - 04:50 AM	42.9	42.3	07:25 AM - 07:30 AM	46.6	43.0
02:10 AM - 02:15 AM	44.1	43.5	04:50 AM - 04:55 AM	44.9	42.3	07:30 AM - 07:35 AM	46.9	43.5
02:15 AM - 02:20 AM	44.9	43.5	04:55 AM - 05:00 AM	43.3	42.5	07:35 AM - 07:40 AM	45.8	43.4
02:20 AM - 02:25 AM	44.5	43.7	05:00 AM - 05:05 AM	44.0	42.3	07:40 AM - 07:45 AM	45.0	43.3
02:25 AM - 02:30 AM	46.1	43.4	05:05 AM - 05:10 AM	43.5	42.7	07:45 AM - 07:50 AM	46.4	44.4
02:30 AM - 02:35 AM	44.2	43.4	05:10 AM - 05:15 AM	45.9	43.4	07:50 AM - 07:55 AM	45.7	43.6
02:35 AM - 02:40 AM	43.8	43.1	05:15 AM - 05:20 AM	45.6	43.8	07:55 AM - 08:00 AM	46.2	43.6
02:40 AM - 02:45 AM	44.1	43.2	05:20 AM - 05:25 AM	44.2	43.2	08:00 AM - 08:05 AM	45.9	43.8
02:45 AM - 02:50 AM	44.2	43.4	05:25 AM - 05:30 AM	43.6	42.9	08:05 AM - 08:10 AM	47.0	44.6
02:50 AM - 02:55 AM	43.6	42.7	05:30 AM - 05:35 AM	45.8	43.1	08:10 AM - 08:15 AM	48.8	44.6
02:55 AM - 03:00 AM	43.4	42.8	05:35 AM - 05:40 AM	43.7	42.6	08:15 AM - 08:20 AM	47.4	45.5
03:00 AM - 03:05 AM	43.6	42.8	05:40 AM - 05:45 AM	46.2	42.6	08:20 AM - 08:25 AM	46.9	45.6
03:05 AM - 03:10 AM	44.1	43.2	05:45 AM - 05:50 AM	49.4	43.0	08:25 AM - 08:30 AM	46.7	45.6
03:10 AM - 03:15 AM	43.6	42.9	05:50 AM - 05:55 AM	46.1	43.4	08:30 AM - 08:35 AM	46.2	45.0
03:15 AM - 03:20 AM	43.6	42.7	05:55 AM - 06:00 AM	46.7	43.3	08:35 AM - 08:40 AM	46.6	44.5
03:20 AM - 03:25 AM	43.6	42.9	06:00 AM - 06:05 AM	46.8	43.9	08:40 AM - 08:45 AM	46.4	44.8
03:25 AM - 03:30 AM	43.5	42.6	06:05 AM - 06:10 AM	54.4	42.4	08:45 AM - 08:50 AM	47.7	44.9
03:30 AM - 03:35 AM	43.3	42.6	06:10 AM - 06:15 AM	46.2	42.7	08:50 AM - 08:55 AM	46.7	44.9
03:35 AM - 03:40 AM	43.3	42.6	06:15 AM - 06:20 AM	45.5	42.5	08:55 AM - 09:00 AM	46.0	44.5
03:40 AM - 03:45 AM	43.0	42.2	06:20 AM - 06:25 AM	45.2	42.7	09:00 AM - 09:05 AM	47.7	46.2
03:45 AM - 03:50 AM	43.1	42.4	06:25 AM - 06:30 AM	47.9	43.0	09:05 AM - 09:10 AM	46.7	45.0
03:50 AM - 03:55 AM	43.4	42.5	06:30 AM - 06:35 AM	45.7	43.0	09:10 AM - 09:15 AM	46.5	45.2
03:55 AM - 04:00 AM	43.5	42.8	06:35 AM - 06:40 AM	44.8	42.2	09:15 AM - 09:20 AM	46.9	45.3
04:00 AM - 04:05 AM	43.5	42.8	06:40 AM - 06:45 AM	45.2	42.1	09:20 AM - 09:25 AM	46.3	45.3
04:05 AM - 04:10 AM	43.0	42.3	06:45 AM - 06:50 AM	45.3	42.5	09:25 AM - 09:30 AM	46.3	45.0
04:10 AM - 04:15 AM	43.4	42.8	06:50 AM - 06:55 AM	45.5	42.6	09:30 AM - 09:35 AM	46.5	44.5
04:15 AM - 04:20 AM	44.5	42.9	06:55 AM - 07:00 AM	45.8	42.8	09:35 AM - 09:40 AM	45.3	44.1
04:20 AM - 04:25 AM	46.3	43.3	07:00 AM - 07:05 AM	44.7	42.6	09:40 AM - 09:45 AM	47.9	44.7
04:25 AM - 04:30 AM	43.7	43.3	07:05 AM - 07:10 AM	45.5	42.1	09:45 AM - 09:50 AM	46.0	44.5
04:30 AM - 04:35 AM	43.4	42.4	07:10 AM - 07:15 AM	46.9	43.2	09:50 AM - 09:55 AM	45.6	44.2
04:35 AM - 04:40 AM	43.3	42.3	07:15 AM - 07:20 AM	46.0	43.0	09:55 AM - 10:00 AM	44.9	43.8



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599244
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3459540-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample Number 2599244-14
Parameter Noise Level (Leq 5 min)
Location บริเวณพื้นที่ด้านหน้าอาคารสำนักงานของโครงการ (N2) (GPS 47P 0745062, 1426997)
Measurement Date Nov 22 - Nov 23, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531307

Nov 22, 2025	Leq	L90	Nov 22, 2025	Leq	L90	Nov 22 - Nov 23, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
06:00 PM - 06:05 PM	46.8	45.1	08:40 PM - 08:45 PM	46.9	46.1	11:20 PM - 11:25 PM	44.2	43.6
06:05 PM - 06:10 PM	47.1	45.5	08:45 PM - 08:50 PM	45.9	45.2	11:25 PM - 11:30 PM	44.4	43.6
06:10 PM - 06:15 PM	45.9	45.1	08:50 PM - 08:55 PM	46.1	45.1	11:30 PM - 11:35 PM	44.5	43.7
06:15 PM - 06:20 PM	46.4	45.2	08:55 PM - 09:00 PM	46.1	45.1	11:35 PM - 11:40 PM	45.1	43.7
06:20 PM - 06:25 PM	47.6	45.8	09:00 PM - 09:05 PM	46.9	45.9	11:40 PM - 11:45 PM	44.9	43.8
06:25 PM - 06:30 PM	49.2	48.3	09:05 PM - 09:10 PM	46.3	45.5	11:45 PM - 11:50 PM	45.9	43.6
06:30 PM - 06:35 PM	49.3	48.8	09:10 PM - 09:15 PM	45.8	44.9	11:50 PM - 11:55 PM	45.5	43.5
06:35 PM - 06:40 PM	49.2	48.7	09:15 PM - 09:20 PM	45.2	44.1	11:55 PM - 12:00 AM	44.0	43.2
06:40 PM - 06:45 PM	49.7	48.9	09:20 PM - 09:25 PM	44.9	43.9	12:00 AM - 12:05 AM	44.0	43.2
06:45 PM - 06:50 PM	48.8	48.1	09:25 PM - 09:30 PM	45.0	44.2	12:05 AM - 12:10 AM	43.9	42.8
06:50 PM - 06:55 PM	48.8	48.3	09:30 PM - 09:35 PM	45.1	44.0	12:10 AM - 12:15 AM	44.0	42.8
06:55 PM - 07:00 PM	48.8	47.9	09:35 PM - 09:40 PM	46.1	44.7	12:15 AM - 12:20 AM	43.7	43.0
07:00 PM - 07:05 PM	48.4	47.6	09:40 PM - 09:45 PM	44.9	43.4	12:20 AM - 12:25 AM	43.9	42.7
07:05 PM - 07:10 PM	48.1	47.4	09:45 PM - 09:50 PM	44.9	43.3	12:25 AM - 12:30 AM	43.5	42.3
07:10 PM - 07:15 PM	48.6	47.8	09:50 PM - 09:55 PM	45.2	44.0	12:30 AM - 12:35 AM	43.6	42.9
07:15 PM - 07:20 PM	49.0	47.7	09:55 PM - 10:00 PM	45.7	44.6	12:35 AM - 12:40 AM	44.0	42.9
07:20 PM - 07:25 PM	49.6	47.7	10:00 PM - 10:05 PM	46.0	44.7	12:40 AM - 12:45 AM	44.4	43.0
07:25 PM - 07:30 PM	48.2	47.0	10:05 PM - 10:10 PM	45.8	44.8	12:45 AM - 12:50 AM	45.6	42.6
07:30 PM - 07:35 PM	48.2	47.0	10:10 PM - 10:15 PM	44.8	43.8	12:50 AM - 12:55 AM	44.5	42.3
07:35 PM - 07:40 PM	47.3	46.4	10:15 PM - 10:20 PM	44.7	43.6	12:55 AM - 01:00 AM	43.9	42.9
07:40 PM - 07:45 PM	47.0	45.9	10:20 PM - 10:25 PM	43.7	42.9	01:00 AM - 01:05 AM	43.4	42.8
07:45 PM - 07:50 PM	47.2	46.3	10:25 PM - 10:30 PM	44.2	43.3	01:05 AM - 01:10 AM	43.8	42.8
07:50 PM - 07:55 PM	46.8	45.9	10:30 PM - 10:35 PM	44.2	43.1	01:10 AM - 01:15 AM	43.3	42.5
07:55 PM - 08:00 PM	46.9	45.9	10:35 PM - 10:40 PM	44.2	43.3	01:15 AM - 01:20 AM	43.3	42.5
08:00 PM - 08:05 PM	47.1	46.2	10:40 PM - 10:45 PM	44.3	43.3	01:20 AM - 01:25 AM	43.2	42.4
08:05 PM - 08:10 PM	47.1	46.1	10:45 PM - 10:50 PM	43.9	43.1	01:25 AM - 01:30 AM	43.9	43.1
08:10 PM - 08:15 PM	47.0	46.0	10:50 PM - 10:55 PM	45.1	43.8	01:30 AM - 01:35 AM	50.7	42.9
08:15 PM - 08:20 PM	46.7	45.9	10:55 PM - 11:00 PM	44.6	43.6	01:35 AM - 01:40 AM	46.8	43.0
08:20 PM - 08:25 PM	46.9	46.1	11:00 PM - 11:05 PM	44.8	43.5	01:40 AM - 01:45 AM	46.1	43.2
08:25 PM - 08:30 PM	46.3	45.4	11:05 PM - 11:10 PM	44.5	43.6	01:45 AM - 01:50 AM	44.8	43.7
08:30 PM - 08:35 PM	46.5	45.6	11:10 PM - 11:15 PM	44.5	43.7	01:50 AM - 01:55 AM	44.2	43.1
08:35 PM - 08:40 PM	47.4	46.3	11:15 PM - 11:20 PM	44.3	43.6	01:55 AM - 02:00 AM	43.2	42.5

The above results are valid only for the analysed/tested sample(s) as indicated in the report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

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Assistant General Manager

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LIFE SCIENCES www.alsglobal.com
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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599244
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3459540-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample Number 2599244-14
Parameter Noise Level (Leq 5 min)
Location บริเวณพื้นที่ด้านหน้าอาคารสำนักงานของโครงการ (N2) (GPS 47P 0745062, 1426997)
Measurement Date Nov 22 - Nov 23, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531307

Nov 23, 2025	Leq	L90	Nov 23, 2025	Leq	L90	Nov 23, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
02:00 AM - 02:05 AM	43.5	42.7	04:40 AM - 04:45 AM	43.9	43.0	07:20 AM - 07:25 AM	47.3	42.2
02:05 AM - 02:10 AM	43.3	42.4	04:45 AM - 04:50 AM	46.6	43.5	07:25 AM - 07:30 AM	45.9	42.5
02:10 AM - 02:15 AM	43.3	42.5	04:50 AM - 04:55 AM	45.9	43.0	07:30 AM - 07:35 AM	45.4	42.6
02:15 AM - 02:20 AM	43.4	42.3	04:55 AM - 05:00 AM	44.9	41.8	07:35 AM - 07:40 AM	44.8	41.6
02:20 AM - 02:25 AM	43.6	41.6	05:00 AM - 05:05 AM	46.1	41.3	07:40 AM - 07:45 AM	46.6	41.9
02:25 AM - 02:30 AM	42.9	41.9	05:05 AM - 05:10 AM	43.6	41.0	07:45 AM - 07:50 AM	46.6	42.3
02:30 AM - 02:35 AM	42.5	41.6	05:10 AM - 05:15 AM	44.8	41.1	07:50 AM - 07:55 AM	46.5	42.2
02:35 AM - 02:40 AM	42.4	41.5	05:15 AM - 05:20 AM	44.0	41.1	07:55 AM - 08:00 AM	47.5	42.9
02:40 AM - 02:45 AM	45.7	42.5	05:20 AM - 05:25 AM	45.8	42.0	08:00 AM - 08:05 AM	48.9	43.1
02:45 AM - 02:50 AM	44.2	43.0	05:25 AM - 05:30 AM	46.7	43.3	08:05 AM - 08:10 AM	47.4	41.7
02:50 AM - 02:55 AM	44.5	42.5	05:30 AM - 05:35 AM	45.1	42.9	08:10 AM - 08:15 AM	47.3	42.6
02:55 AM - 03:00 AM	43.9	42.7	05:35 AM - 05:40 AM	45.2	42.9	08:15 AM - 08:20 AM	46.4	41.6
03:00 AM - 03:05 AM	43.8	42.7	05:40 AM - 05:45 AM	46.1	43.2	08:20 AM - 08:25 AM	46.8	41.5
03:05 AM - 03:10 AM	43.8	42.9	05:45 AM - 05:50 AM	47.2	43.1	08:25 AM - 08:30 AM	47.9	42.3
03:10 AM - 03:15 AM	52.4	42.1	05:50 AM - 05:55 AM	49.3	42.8	08:30 AM - 08:35 AM	46.5	42.3
03:15 AM - 03:20 AM	43.0	42.3	05:55 AM - 06:00 AM	47.3	42.5	08:35 AM - 08:40 AM	46.8	42.0
03:20 AM - 03:25 AM	43.9	43.1	06:00 AM - 06:05 AM	47.2	42.2	08:40 AM - 08:45 AM	46.3	43.1
03:25 AM - 03:30 AM	44.4	43.1	06:05 AM - 06:10 AM	52.7	43.1	08:45 AM - 08:50 AM	46.8	42.7
03:30 AM - 03:35 AM	45.3	43.2	06:10 AM - 06:15 AM	48.6	43.5	08:50 AM - 08:55 AM	48.0	43.7
03:35 AM - 03:40 AM	44.4	43.2	06:15 AM - 06:20 AM	47.0	43.7	08:55 AM - 09:00 AM	48.2	44.0
03:40 AM - 03:45 AM	43.5	42.5	06:20 AM - 06:25 AM	47.3	43.0	09:00 AM - 09:05 AM	47.6	43.9
03:45 AM - 03:50 AM	43.0	42.2	06:25 AM - 06:30 AM	46.3	43.1	09:05 AM - 09:10 AM	47.4	43.5
03:50 AM - 03:55 AM	43.2	42.3	06:30 AM - 06:35 AM	46.4	42.0	09:10 AM - 09:15 AM	46.9	43.0
03:55 AM - 04:00 AM	43.7	42.8	06:35 PM - 06:40 AM	46.5	42.5	09:15 AM - 09:20 AM	47.5	44.7
04:00 AM - 04:05 AM	44.2	43.2	06:40 AM - 06:45 AM	46.5	42.7	09:20 AM - 09:25 AM	47.3	44.7
04:05 AM - 04:10 AM	44.1	43.1	06:45 AM - 06:50 AM	46.8	42.6	09:25 AM - 09:30 AM	47.5	44.5
04:10 AM - 04:15 AM	44.1	43.1	06:50 AM - 06:55 AM	47.0	42.8	09:30 AM - 09:35 AM	43.9	40.9
04:15 AM - 04:20 AM	43.8	42.9	06:55 AM - 07:00 AM	45.7	42.0	09:35 AM - 09:40 AM	46.2	41.4
04:20 AM - 04:25 AM	44.3	43.2	07:00 AM - 07:05 AM	46.7	41.9	09:40 AM - 09:45 AM	45.1	40.8
04:25 AM - 04:30 AM	43.7	42.6	07:05 AM - 07:10 AM	45.6	41.6	09:45 AM - 09:50 AM	46.5	42.6
04:30 AM - 04:35 AM	45.9	42.6	07:10 AM - 07:15 AM	45.2	42.1	09:50 AM - 09:55 AM	47.7	41.5
04:35 AM - 04:40 AM	44.6	43.0	07:15 AM - 07:20 AM	47.2	41.9	09:55 AM - 10:00 AM	45.7	42.8

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Approved by

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599244
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3459541-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample Number 2599244-15
Parameter Noise Level (Leq 5 min)
Location บริเวณพื้นที่ด้านหน้าอาคารสำนักงานของโครงการ ส่วนขยาย พื้นที่อิมสวาลงการ (N3) (GPS 47P 0746039, 1427094)
Measurement Date Nov 16 - Nov 17, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 920831

Nov 16, 2025			Nov 16, 2025			Nov 16, 2025		
Time	Leq	L90	Time	Leq	L90	Time	Leq	L90
	dB(A)	dB(A)		dB(A)	dB(A)		dB(A)	dB(A)
10:00 AM - 10:05 AM	45.5	42.3	12:40 PM - 12:45 PM	57.6	40.8	03:20 PM - 03:25 PM	43.8	41.8
10:05 AM - 10:10 AM	46.8	43.0	12:45 PM - 12:50 PM	43.4	40.6	03:25 PM - 03:30 PM	43.7	40.2
10:10 AM - 10:15 AM	44.4	42.3	12:50 PM - 12:55 PM	45.1	40.7	03:30 PM - 03:35 PM	42.1	41.1
10:15 AM - 10:20 AM	46.7	42.4	12:55 PM - 01:00 PM	44.0	41.5	03:35 PM - 03:40 PM	42.0	40.7
10:20 AM - 10:25 AM	47.6	45.4	01:00 PM - 01:05 PM	43.6	40.8	03:40 PM - 03:45 PM	41.3	40.2
10:25 AM - 10:30 AM	48.5	46.7	01:05 PM - 01:10 PM	44.3	40.8	03:45 PM - 03:50 PM	41.4	40.1
10:30 AM - 10:35 AM	47.9	41.3	01:10 PM - 01:15 PM	53.6	42.2	03:50 PM - 03:55 PM	44.2	42.1
10:35 AM - 10:40 AM	43.4	41.5	01:15 PM - 01:20 PM	49.4	44.1	03:55 PM - 04:00 PM	42.4	40.9
10:40 AM - 10:45 AM	52.5	39.7	01:20 PM - 01:25 PM	48.1	42.1	04:00 PM - 04:05 PM	43.3	41.7
10:45 AM - 10:50 AM	47.7	41.9	01:25 PM - 01:30 PM	47.8	42.1	04:05 PM - 04:10 PM	43.0	41.6
10:50 AM - 10:55 AM	46.7	40.5	01:30 PM - 01:35 PM	51.5	47.0	04:10 PM - 04:15 PM	48.7	40.9
10:55 AM - 11:00 AM	41.7	40.2	01:35 PM - 01:40 PM	49.7	46.5	04:15 PM - 04:20 PM	46.4	40.8
11:00 AM - 11:05 AM	58.8	41.8	01:40 PM - 01:45 PM	46.7	44.6	04:20 PM - 04:25 PM	41.8	41.2
11:05 AM - 11:10 AM	47.7	45.5	01:45 PM - 01:50 PM	43.0	40.8	04:25 PM - 04:30 PM	42.6	41.9
11:10 AM - 11:15 AM	50.3	47.0	01:50 PM - 01:55 PM	44.9	40.1	04:30 PM - 04:35 PM	43.3	42.3
11:15 AM - 11:20 AM	50.4	45.9	01:55 PM - 02:00 PM	43.6	40.2	04:35 PM - 04:40 PM	43.7	42.0
11:20 AM - 11:25 AM	47.1	42.8	02:00 PM - 02:05 PM	44.8	41.4	04:40 PM - 04:45 PM	44.8	42.3
11:25 AM - 11:30 AM	42.3	39.6	02:05 PM - 02:10 PM	43.2	40.8	04:45 PM - 04:50 PM	54.8	42.5
11:30 AM - 11:35 AM	47.2	41.1	02:10 PM - 02:15 PM	42.0	40.6	04:50 PM - 04:55 PM	46.3	42.0
11:35 AM - 11:40 AM	50.1	44.4	02:15 PM - 02:20 PM	45.9	40.6	04:55 PM - 05:00 PM	42.7	41.5
11:40 AM - 11:45 AM	48.2	40.9	02:20 PM - 02:25 PM	46.2	42.2	05:00 PM - 05:05 PM	42.2	41.2
11:45 AM - 11:50 AM	47.2	40.2	02:25 PM - 02:30 PM	43.2	40.6	05:05 PM - 05:10 PM	42.2	41.2
11:50 AM - 11:55 AM	43.9	40.7	02:30 PM - 02:35 PM	45.0	41.2	05:10 PM - 05:15 PM	43.3	41.4
11:55 AM - 12:00 PM	47.2	40.3	02:35 PM - 02:40 PM	40.0	41.7	05:15 PM - 05:20 PM	44.9	43.2
12:00 PM - 12:05 PM	52.0	42.0	02:40 PM - 02:45 PM	41.4	40.9	05:20 PM - 05:25 PM	42.2	41.2
12:05 PM - 12:10 PM	51.2	41.2	02:45 PM - 02:50 PM	42.7	40.4	05:25 PM - 05:30 PM	42.9	42.1
12:10 PM - 12:15 PM	52.7	45.5	02:50 PM - 02:55 PM	43.3	39.6	05:30 PM - 05:35 PM	43.4	42.4
12:15 PM - 12:20 PM	47.8	40.5	02:55 PM - 03:00 PM	44.2	40.2	05:35 PM - 05:40 PM	44.0	43.1
12:20 PM - 12:25 PM	42.9	40.7	03:00 PM - 03:05 PM	45.3	43.9	05:40 PM - 05:45 PM	43.9	43.0
12:25 PM - 12:30 PM	44.4	41.5	03:05 PM - 03:10 PM	44.9	42.1	05:45 PM - 05:50 PM	46.3	44.5
12:30 PM - 12:35 PM	49.8	41.5	03:10 PM - 03:15 PM	43.3	40.1	05:50 PM - 05:55 PM	45.6	44.5
12:35 PM - 12:40 PM	46.6	41.7	03:15 PM - 03:20 PM	42.9	40.9	05:55 PM - 06:00 PM	45.8	44.7



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phluakdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number 2599244-15
Parameter Noise Level (Leq 5 min)
Location บริเวณพื้นที่สีเขียวและแนวรั้วด้านทิศตะวันออกของโครงการ ส่วนขยาย พื้นที่อุตสาหกรรมจาก (N3) (GPS 47P 0746039, 1427094)
Measurement Date Nov 16 - Nov 17, 2025
Measurement by Apichart Wilars
Serial No. 920831

Page 3 of 3

Nov 17, 2025		Nov 17, 2025		Nov 17, 2025		Nov 17, 2025	
Time	Leq dB(A)	Time	Leq dB(A)	Time	Leq dB(A)	Time	Leq dB(A)
02:00 AM - 02:05 AM	49.3	04:40 AM - 04:45 AM	47.2	07:20 AM - 07:25 AM	45.2	43.6	
02:05 AM - 02:10 AM	49.6	04:45 AM - 04:50 AM	47.0	07:25 AM - 07:30 AM	44.2	43.1	
02:10 AM - 02:15 AM	49.8	04:50 AM - 04:55 AM	47.1	07:30 AM - 07:35 AM	44.2	43.5	
02:15 AM - 02:20 AM	49.5	04:55 AM - 05:00 AM	47.4	07:35 AM - 07:40 AM	44.1	43.4	
02:20 AM - 02:25 AM	49.3	05:00 AM - 05:05 AM	47.6	07:40 AM - 07:45 AM	44.3	43.5	
02:25 AM - 02:30 AM	49.5	05:05 AM - 05:10 AM	48.0	07:45 AM - 07:50 AM	45.2	44.2	
02:30 AM - 02:35 AM	48.9	05:10 AM - 05:15 AM	47.5	07:50 AM - 07:55 AM	45.1	44.0	
02:35 AM - 02:40 AM	49.1	05:15 AM - 05:20 AM	46.8	07:55 AM - 08:00 AM	44.7	43.7	
02:40 AM - 02:45 AM	48.7	05:20 AM - 05:25 AM	46.7	08:00 AM - 08:05 AM	45.1	44.3	
02:45 AM - 02:50 AM	49.1	05:25 AM - 05:30 AM	46.4	08:05 AM - 08:10 AM	44.2	43.6	
02:50 AM - 02:55 AM	49.2	05:30 AM - 05:35 AM	46.8	08:10 AM - 08:15 AM	43.7	42.5	
02:55 AM - 03:00 AM	49.5	05:35 AM - 05:40 AM	47.2	08:15 AM - 08:20 AM	43.7	42.6	
03:00 AM - 03:05 AM	48.9	05:40 AM - 05:45 AM	47.6	08:20 AM - 08:25 AM	43.2	42.1	
03:05 AM - 03:10 AM	49.0	05:45 AM - 05:50 AM	48.9	08:25 AM - 08:30 AM	42.8	42.1	
03:10 AM - 03:15 AM	49.3	05:50 AM - 05:55 AM	47.2	08:30 AM - 08:35 AM	43.0	42.2	
03:15 AM - 03:20 AM	49.0	05:55 AM - 06:00 AM	47.2	08:35 AM - 08:40 AM	43.1	42.4	
03:20 AM - 03:25 AM	49.1	06:00 AM - 06:05 AM	47.3	08:40 AM - 08:45 AM	43.4	42.4	
03:25 AM - 03:30 AM	48.5	06:05 AM - 06:10 AM	47.4	08:45 AM - 08:50 AM	43.2	42.3	
03:30 AM - 03:35 AM	48.3	06:10 AM - 06:15 AM	48.3	08:50 AM - 08:55 AM	43.2	42.3	
03:35 AM - 03:40 AM	48.7	06:15 AM - 06:20 AM	46.9	08:55 AM - 09:00 AM	43.2	42.0	
03:40 AM - 03:45 AM	48.6	06:20 AM - 06:25 AM	46.7	09:00 AM - 09:05 AM	47.3	42.5	
03:45 AM - 03:50 AM	48.3	06:25 AM - 06:30 AM	46.3	09:05 AM - 09:10 AM	50.9	43.8	
03:50 AM - 03:55 AM	47.6	06:30 AM - 06:35 AM	46.4	09:10 AM - 09:15 AM	42.9	41.4	
03:55 AM - 04:00 AM	47.2	06:35 AM - 06:40 AM	47.7	09:15 AM - 09:20 AM	46.4	43.9	
04:00 AM - 04:05 AM	48.1	06:40 AM - 06:45 AM	56.2	09:20 AM - 09:25 AM	48.6	46.1	
04:05 AM - 04:10 AM	47.9	06:45 AM - 06:50 AM	46.3	09:25 AM - 09:30 AM	47.3	45.5	
04:10 AM - 04:15 AM	48.0	06:50 AM - 06:55 AM	45.7	09:30 AM - 09:35 AM	42.1	41.1	
04:15 AM - 04:20 AM	47.5	06:55 AM - 07:00 AM	44.9	09:35 AM - 09:40 AM	42.2	41.1	
04:20 AM - 04:25 AM	48.5	07:00 AM - 07:05 AM	44.0	09:40 AM - 09:45 AM	42.9	41.4	
04:25 AM - 04:30 AM	47.4	07:05 AM - 07:10 AM	44.1	09:45 AM - 09:50 AM	45.3	41.6	
04:30 AM - 04:35 AM	47.0	07:10 AM - 07:15 AM	44.8	09:50 AM - 09:55 AM	57.6	44.5	
04:35 AM - 04:40 AM	47.0	07:15 AM - 07:20 AM	44.0	09:55 AM - 10:00 AM	51.6	44.3	

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phluakdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number 2599244-16
Parameter Noise Level (Leq 5 min)
Location บริเวณพื้นที่สีเขียวและแนวรั้วด้านทิศตะวันออกของโครงการ ส่วนขยาย พื้นที่อุตสาหกรรมจาก (N3) (GPS 47P 0746039, 1427094)
Measurement Date Nov 17 - Nov 18, 2025
Measurement by Apichart Wilars
Serial No. 920831

Page 3 of 3

Nov 17, 2025		Nov 17, 2025		Nov 17, 2025		Nov 17, 2025	
Time	Leq dB(A)	Time	Leq dB(A)	Time	Leq dB(A)	Time	Leq dB(A)
10:00 AM - 10:05 AM	49.6	12:40 PM - 12:45 PM	41.5	39.2	03:20 PM - 03:25 PM	43.9	43.3
10:05 AM - 10:10 AM	42.2	12:45 PM - 12:50 PM	43.6	40.7	03:25 PM - 03:30 PM	47.0	45.3
10:10 AM - 10:15 AM	41.7	12:50 PM - 12:55 PM	40.8	39.7	03:30 PM - 03:35 PM	44.9	42.2
10:15 AM - 10:20 AM	42.9	12:55 PM - 01:00 PM	41.0	39.8	03:35 PM - 03:40 PM	45.7	42.2
10:20 AM - 10:25 AM	42.3	01:00 PM - 01:05 PM	40.8	39.8	03:40 PM - 03:45 PM	43.5	42.3
10:25 AM - 10:30 AM	40.9	01:05 PM - 01:10 PM	41.4	40.4	03:45 PM - 03:50 PM	43.9	42.2
10:30 AM - 10:35 AM	41.7	01:10 PM - 01:15 PM	42.4	40.5	03:50 PM - 03:55 PM	44.1	42.3
10:35 AM - 10:40 AM	42.6	01:15 PM - 01:20 PM	46.3	43.9	03:55 PM - 04:00 PM	43.0	42.2
10:40 AM - 10:45 AM	50.9	01:20 PM - 01:25 PM	45.3	43.6	04:00 PM - 04:05 PM	48.8	42.8
10:45 AM - 10:50 AM	44.1	01:25 PM - 01:30 PM	44.7	43.5	04:05 PM - 04:10 PM	53.4	43.3
10:50 AM - 10:55 AM	50.6	01:30 PM - 01:35 PM	45.2	43.8	04:10 PM - 04:15 PM	45.7	42.8
10:55 AM - 11:00 AM	42.6	01:35 PM - 01:40 PM	41.1	39.3	04:15 PM - 04:20 PM	43.4	42.3
11:00 AM - 11:05 AM	44.8	01:40 PM - 01:45 PM	40.6	39.0	04:20 PM - 04:25 PM	43.3	42.7
11:05 AM - 11:10 AM	44.1	01:45 PM - 01:50 PM	41.4	38.6	04:25 PM - 04:30 PM	43.6	42.7
11:10 AM - 11:15 AM	44.2	01:50 PM - 01:55 PM	43.9	40.1	04:30 PM - 04:35 PM	43.4	42.7
11:15 AM - 11:20 AM	43.8	01:55 PM - 02:00 PM	41.6	39.7	04:35 PM - 04:40 PM	44.3	43.4
11:20 AM - 11:25 AM	44.8	02:00 PM - 02:05 PM	43.8	39.5	04:40 PM - 04:45 PM	44.2	43.0
11:25 AM - 11:30 AM	43.4	02:05 PM - 02:10 PM	45.4	43.8	04:45 PM - 04:50 PM	43.9	42.9
11:30 AM - 11:35 AM	45.2	02:10 PM - 02:15 PM	48.3	43.7	04:50 PM - 04:55 PM	44.0	43.0
11:35 AM - 11:40 AM	43.6	02:15 PM - 02:20 PM	46.6	43.6	04:55 PM - 05:00 PM	44.7	43.4
11:40 AM - 11:45 AM	42.5	02:20 PM - 02:25 PM	45.1	43.3	05:00 PM - 05:05 PM	44.7	43.9
11:45 AM - 11:50 AM	42.4	02:25 PM - 02:30 PM	45.4	41.8	05:05 PM - 05:10 PM	44.6	44.1
11:50 AM - 11:55 AM	41.5	02:30 PM - 02:35 PM	43.6	41.2	05:10 PM - 05:15 PM	44.8	44.2
11:55 AM - 12:00 PM	41.9	02:35 PM - 02:40 PM	44.1	41.2	05:15 PM - 05:20 PM	44.7	43.5
12:00 PM - 12:05 PM	45.9	02:40 PM - 02:45 PM	43.9	42.6	05:20 PM - 05:25 PM	45.0	43.9
12:05 PM - 12:10 PM	41.0	02:45 PM - 02:50 PM	44.7	42.3	05:25 PM - 05:30 PM	45.0	44.2
12:10 PM - 12:15 PM	41.5	02:50 PM - 02:55 PM	42.0	41.1	05:30 PM - 05:35 PM	46.5	44.6
12:15 PM - 12:20 PM	41.3	02:55 PM - 03:00 PM	46.1	44.1	05:35 PM - 05:40 PM	46.8	45.4
12:20 PM - 12:25 PM	40.9	03:00 PM - 03:05 PM	46.1	44.7	05:40 PM - 05:45 PM	45.6	44.5
12:25 PM - 12:30 PM	41.1	03:05 PM - 03:10 PM	43.5	41.2	05:45 PM - 05:50 PM	45.6	44.8
12:30 PM - 12:35 PM	44.1	03:10 PM - 03:15 PM	44.1	42.0	05:50 PM - 05:55 PM	47.1	45.4
12:35 PM - 12:40 PM	41.0	03:15 PM - 03:20 PM	48.1	42.6	05:55 PM - 06:00 PM	48.4	45.3

The above results are valid only for the analysed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that the report is not reproduced except in full.

Approved by

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Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phluakdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number 2599244-16
Parameter Noise Level (Leq 5 min)
Location บริเวณพื้นที่สีเขียวและแนวรั้วด้านทิศตะวันออกของโครงการ ส่วนขยาย พื้นที่อุตสาหกรรมจาก (N3) (GPS 47P 0746039, 1427094)
Measurement Date Nov 17 - Nov 18, 2025
Measurement by Apichart Wilars
Serial No. 920831

Page 2 of 3

Nov 17, 2025		Nov 17, 2025		Nov 17 - Nov 18, 2025		Nov 17 - Nov 18, 2025	
Time	Leq dB(A)	Time	Leq dB(A)	Time	Leq dB(A)	Time	Leq dB(A)
05:00 PM - 05:05 PM	48.1	08:40 PM - 08:45 PM	51.7	50.9	11:20 PM - 11:25 PM	50.6	49.2
05:05 PM - 05:10 PM	46.5	08:45 PM - 08:50 PM	51.8	50.9	11:25 PM - 11:30 PM	52.4	50.4
05:10 PM - 05:15 PM	47.9	08:50 PM - 08:55 PM	52.7	50.9	11:30 PM - 11:35 PM	50.3	49.7
05:15 PM - 05:20 PM	50.4	08:55 PM - 09:00 PM	56.3	55.8	11:35 PM - 11:40 PM	50.7	49.5
05:20 PM - 05:25 PM	52.0	09:00 PM - 09:05 PM	56.8	56.4	11:40 PM - 11:45 PM	51.1	49.8
05:25 PM - 05:30 PM	52.7	09:05 PM - 09:10 PM	56.1	55.6	11:45 PM - 11:50 PM	50.4	49.5
05:30 PM - 05:35 PM	53.0	09:10 PM - 09:15 PM	56.1	55.7	11:50 PM - 11:55 PM	50.4	49.6
05:35 PM - 05:40 PM	52.5	09:15 PM - 09:20 PM	56.0	55.6	11:55 PM - 12:00 AM	50.1	49.3
05:40 PM - 05:45 PM	53.3	09:20 PM - 09:25 PM	55.8	55.5	12:00 AM - 12:05 AM	49.8	49.1
05:45 PM - 05:50 PM	52.3	09:25 PM - 09:30 PM	55.9	55.5	12:05 AM - 12:10 AM	50.0	49.3
05:50 PM - 05:55 PM	52.2	09:30 PM - 09:35 PM	55.6	55.3	12:10 AM - 12:15 AM	50.4	49.8
05:55 PM - 06:00 PM	51.8	09:35 PM - 09:40 PM	53.0	51.4	12:15 AM - 12:20 AM	50.1	49.5
07:00 PM - 07:05 PM	52.5	09:40 PM - 09:45 PM	52.0	51.2	12:20 AM - 12:25 AM	50.0	49.4
07:05 PM - 07:10 PM	49.8	09:45 PM - 09:50 PM	51.9	51.0	12:25 AM - 12:30 AM	49.7	49.0
07:10 PM - 07:15 PM	53.0	09:50 PM - 09:55 PM	52.0	51.1	12:30 AM - 12:35 AM	50.2	49.6
07:15 PM - 07:20 PM	53.2	09:55 PM - 10:00 PM	51.4	50.5	12:35 AM - 12:40 AM	50.2	49.6
07:20 PM - 07:25 PM	52.7	10:00 PM - 10:05 PM	50.9	50.9	12:40 AM - 12:45 AM	49.9	49.3
07:25 PM - 07:30 PM	52.4	10:05 PM - 10:10 PM	50.8	49.9	12:45 AM - 12:50 AM	50.4	49.8
07:30 PM - 07:35 PM	52.6	10:10 PM - 10:15 PM	51.2	50.5	12:50 AM - 12:55 AM	50.1	49.4
07:35 PM - 07:40 PM	52.5	10:15 PM - 10:20 PM	51.7	50.2	12:55 AM - 01:00 AM	50.8	49.5
07:40 PM - 07:45 PM	52.6	10:20 PM - 10:25 PM	51.5	50.8	01:00 AM - 01:05 AM	50.9	49.7
07:45 PM - 07:50 PM	52.5	10:25 PM - 10:30 PM	50.8	50.1	01:05 AM - 01:10 AM	51.6	50.7
07:50 PM - 07:55 PM	52.7	10:30 PM - 10:35 PM	50.9	50.3	01:10 AM - 01:15 AM	52.1	51.6
07:55 PM - 08:00 PM	52.5	10:35 PM - 10:40 PM	50.0	49.3	01:15 AM - 01:20 AM	51.9	50.8
08:00 PM - 08:05 PM	52.2	10:40 PM - 10:45 PM	50.6	49.7	01:20 AM - 01:25 AM	52.0	51.2
08:05 PM - 08:10 PM	52.6	10:45 PM - 10:50 PM	51.2	50.5	01:25 AM - 01:30 AM	52.1	51.4
08:10 PM - 08:15 PM	52.7	10:50 PM - 10:55 PM	50.8	50.0	01:30 AM - 01:35 AM	51.7	49.7
08:15 PM - 08:20 PM	53.6	10:55 PM - 11:00 PM	50.8	50.1	01:35 AM - 01:40 AM	52.3	51.2
08:20 PM - 08:25 PM	52.7	11:00 PM - 11:05 PM	50.6	49.8	01:40 AM - 01:45 AM	52.5	51.8



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599244
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3459543-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number 2599244-17
Parameter Noise Level (Leq 5 min)
Location บริเวณพื้นที่สีเขียวและแนวรั้วชุมชนตำบลโคกขามคลองโคกกราก ส่วนขยาย พื้นที่อุตสาหกรรมจาก (N3) (GPS 47P 0746039, 1427094)
Measurement Date Nov 18 - Nov 19, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 920831

Page 1 of 3

Nov 18, 2025		Leq		L90		Nov 18, 2025		Leq		L90		Nov 18, 2025		Leq		L90	
Time		dB(A)		dB(A)		Time		dB(A)		dB(A)		Time		dB(A)		dB(A)	
10:00 AM - 10:05 AM	44.8	43.4	12:40 PM - 12:45 PM	44.2	40.6	03:20 PM - 03:25 PM	47.5	41.4	03:20 PM - 03:25 PM	47.5	41.4	03:20 PM - 03:25 PM	47.5	41.4	03:20 PM - 03:25 PM	47.5	41.4
10:05 AM - 10:10 AM	46.4	43.0	12:45 PM - 12:50 PM	45.4	41.3	03:25 PM - 03:30 PM	53.5	41.8	03:25 PM - 03:30 PM	53.5	41.8	03:25 PM - 03:30 PM	53.5	41.8	03:25 PM - 03:30 PM	53.5	41.8
10:10 AM - 10:15 AM	43.5	42.0	12:50 PM - 12:55 PM	42.4	41.4	03:30 PM - 03:35 PM	44.2	42.7	03:30 PM - 03:35 PM	44.2	42.7	03:30 PM - 03:35 PM	44.2	42.7	03:30 PM - 03:35 PM	44.2	42.7
10:15 AM - 10:20 AM	44.9	41.8	12:55 PM - 01:00 PM	42.4	41.1	03:35 PM - 03:40 PM	43.6	42.5	03:35 PM - 03:40 PM	43.6	42.5	03:35 PM - 03:40 PM	43.6	42.5	03:35 PM - 03:40 PM	43.6	42.5
10:20 AM - 10:25 AM	42.7	41.2	01:00 PM - 01:05 PM	44.2	41.8	03:40 PM - 03:45 PM	43.7	42.5	03:40 PM - 03:45 PM	43.7	42.5	03:40 PM - 03:45 PM	43.7	42.5	03:40 PM - 03:45 PM	43.7	42.5
10:25 AM - 10:30 AM	41.9	41.0	01:05 PM - 01:10 PM	42.5	41.5	03:45 PM - 03:50 PM	43.7	42.5	03:45 PM - 03:50 PM	43.7	42.5	03:45 PM - 03:50 PM	43.7	42.5	03:45 PM - 03:50 PM	43.7	42.5
10:30 AM - 10:35 AM	42.2	41.1	01:10 PM - 01:15 PM	44.4	41.7	03:50 PM - 03:55 PM	43.3	42.3	03:50 PM - 03:55 PM	43.3	42.3	03:50 PM - 03:55 PM	43.3	42.3	03:50 PM - 03:55 PM	43.3	42.3
10:35 AM - 10:40 AM	42.3	40.7	01:15 PM - 01:20 PM	50.6	49.4	03:55 PM - 04:00 PM	43.5	42.9	03:55 PM - 04:00 PM	43.5	42.9	03:55 PM - 04:00 PM	43.5	42.9	03:55 PM - 04:00 PM	43.5	42.9
10:40 AM - 10:45 AM	43.8	42.7	01:20 PM - 01:25 PM	49.0	42.9	04:00 PM - 04:05 PM	45.3	43.2	04:00 PM - 04:05 PM	45.3	43.2	04:00 PM - 04:05 PM	45.3	43.2	04:00 PM - 04:05 PM	45.3	43.2
10:45 AM - 10:50 AM	43.6	41.7	01:25 PM - 01:30 PM	43.2	42.1	04:05 PM - 04:10 PM	44.1	42.7	04:05 PM - 04:10 PM	44.1	42.7	04:05 PM - 04:10 PM	44.1	42.7	04:05 PM - 04:10 PM	44.1	42.7
10:50 AM - 10:55 AM	43.2	41.3	01:30 PM - 01:35 PM	49.2	41.5	04:10 PM - 04:15 PM	46.4	43.1	04:10 PM - 04:15 PM	46.4	43.1	04:10 PM - 04:15 PM	46.4	43.1	04:10 PM - 04:15 PM	46.4	43.1
10:55 AM - 11:00 AM	41.9	41.0	01:35 PM - 01:40 PM	49.6	41.0	04:15 PM - 04:20 PM	45.7	42.5	04:15 PM - 04:20 PM	45.7	42.5	04:15 PM - 04:20 PM	45.7	42.5	04:15 PM - 04:20 PM	45.7	42.5
11:00 AM - 11:05 AM	41.8	40.9	01:40 PM - 01:45 PM	46.2	41.5	04:20 PM - 04:25 PM	42.6	41.5	04:20 PM - 04:25 PM	42.6	41.5	04:20 PM - 04:25 PM	42.6	41.5	04:20 PM - 04:25 PM	42.6	41.5
11:05 AM - 11:10 AM	43.8	42.0	01:45 PM - 01:50 PM	43.0	41.6	04:25 PM - 04:30 PM	44.6	42.6	04:25 PM - 04:30 PM	44.6	42.6	04:25 PM - 04:30 PM	44.6	42.6	04:25 PM - 04:30 PM	44.6	42.6
11:10 AM - 11:15 AM	42.9	41.9	01:50 PM - 01:55 PM	42.8	40.9	04:30 PM - 04:35 PM	45.8	42.9	04:30 PM - 04:35 PM	45.8	42.9	04:30 PM - 04:35 PM	45.8	42.9	04:30 PM - 04:35 PM	45.8	42.9
11:15 AM - 11:20 AM	43.8	42.6	01:55 PM - 02:00 PM	43.4	41.3	04:35 PM - 04:40 PM	44.0	43.2	04:35 PM - 04:40 PM	44.0	43.2	04:35 PM - 04:40 PM	44.0	43.2	04:35 PM - 04:40 PM	44.0	43.2
11:20 AM - 11:25 AM	43.6	41.9	02:00 PM - 02:05 PM	47.2	41.4	04:40 PM - 04:45 PM	44.6	43.5	04:40 PM - 04:45 PM	44.6	43.5	04:40 PM - 04:45 PM	44.6	43.5	04:40 PM - 04:45 PM	44.6	43.5
11:25 AM - 11:30 AM	42.6	41.4	02:05 PM - 02:10 PM	45.3	41.1	04:45 PM - 04:50 PM	54.3	42.7	04:45 PM - 04:50 PM	54.3	42.7	04:45 PM - 04:50 PM	54.3	42.7	04:45 PM - 04:50 PM	54.3	42.7
11:30 AM - 11:35 AM	42.4	41.4	02:10 PM - 02:15 PM	50.9	41.2	04:50 PM - 04:55 PM	44.3	42.5	04:50 PM - 04:55 PM	44.3	42.5	04:50 PM - 04:55 PM	44.3	42.5	04:50 PM - 04:55 PM	44.3	42.5
11:35 AM - 11:40 AM	42.8	41.7	02:15 PM - 02:20 PM	46.0	41.0	04:55 PM - 05:00 PM	43.1	42.3	04:55 PM - 05:00 PM	43.1	42.3	04:55 PM - 05:00 PM	43.1	42.3	04:55 PM - 05:00 PM	43.1	42.3
11:40 AM - 11:45 AM	42.9	41.9	02:20 PM - 02:25 PM	43.7	40.9	05:00 PM - 05:05 PM	43.3	42.8	05:00 PM - 05:05 PM	43.3	42.8	05:00 PM - 05:05 PM	43.3	42.8	05:00 PM - 05:05 PM	43.3	42.8
11:45 AM - 11:50 AM	42.2	41.2	02:25 PM - 02:30 PM	47.4	41.7	05:05 PM - 05:10 PM	43.7	42.6	05:05 PM - 05:10 PM	43.7	42.6	05:05 PM - 05:10 PM	43.7	42.6	05:05 PM - 05:10 PM	43.7	42.6
11:50 AM - 11:55 AM	42.8	41.4	02:30 PM - 02:35 PM	43.5	41.9	05:10 PM - 05:15 PM	45.2	43.9	05:10 PM - 05:15 PM	45.2	43.9	05:10 PM - 05:15 PM	45.2	43.9	05:10 PM - 05:15 PM	45.2	43.9
11:55 AM - 12:00 PM	42.8	41.7	02:35 PM - 02:40 PM	42.4	41.3	05:15 PM - 05:20 PM	45.3	43.6	05:15 PM - 05:20 PM	45.3	43.6	05:15 PM - 05:20 PM	45.3	43.6	05:15 PM - 05:20 PM	45.3	43.6
12:00 PM - 12:05 PM	42.3	41.2	02:40 PM - 02:45 PM	42.5	41.6	05:20 PM - 05:25 PM	46.2	44.2	05:20 PM - 05:25 PM	46.2	44.2	05:20 PM - 05:25 PM	46.2	44.2	05:20 PM - 05:25 PM	46.2	44.2
12:05 PM - 12:10 PM	43.0	41.2	02:45 PM - 02:50 PM	42.3	41.2	05:25 PM - 05:30 PM	46.6	45.5	05:25 PM - 05:30 PM	46.6	45.5	05:25 PM - 05:30 PM	46.6	45.5	05:25 PM - 05:30 PM	46.6	45.5
12:10 PM - 12:15 PM	42.5	41.1	02:50 PM - 02:55 PM	59.1	41.3	05:30 PM - 05:35 PM	45.7	44.7	05:30 PM - 05:35 PM	45.7	44.7	05:30 PM - 05:35 PM	45.7	44.7	05:30 PM - 05:35 PM	45.7	44.7
12:15 PM - 12:20 PM	42.4	41.0	02:55 PM - 03:00 PM	42.7	41.5	05:35 PM - 05:40 PM	46.2	45.3	05:35 PM - 05:40 PM	46.2	45.3	05:35 PM - 05:40 PM	46.2	45.3	05:35 PM - 05:40 PM	46.2	45.3
12:20 PM - 12:25 PM	42.8	41.1	03:00 PM - 03:05 PM	43.7	41.0	05:40 PM - 05:45 PM	45.4	44.4	05:40 PM - 05:45 PM	45.4	44.4	05:40 PM - 05:45 PM	45.4	44.4	05:40 PM - 05:45 PM	45.4	44.4
12:25 PM - 12:30 PM	41.1	40.3	03:05 PM - 03:10 PM	42.5	41.4	05:45 PM - 05:50 PM	45.0	44.4	05:45 PM - 05:50 PM	45.0	44.4	05:45 PM - 05:50 PM	45.0	44.4	05:45 PM - 05:50 PM	45.0	44.4
12:30 PM - 12:35 PM	41.2	40.4	03:10 PM - 03:15 PM	42.4	41.5	05:50 PM - 05:55 PM	45.2	44.3	05:50 PM - 05:55 PM	45.2	44.3	05:50 PM - 05:55 PM	45.2	44.3	05:50 PM - 05:55 PM	45.2	44.3
12:35 PM - 12:40 PM	43.7	40.8	03:15 PM - 03:20 PM	43.1	41.4	05:55 PM - 06:00 PM	45.4	44.6	05:55 PM - 06:00 PM	45.4	44.6	05:55 PM - 06:00 PM	45.4	44.6	05:55 PM - 06:00 PM	45.4	44.6

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Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599244
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3459543-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number 2599244-17
Parameter Noise Level (Leq 5 min)
Location บริเวณพื้นที่สีเขียวและแนวรั้วชุมชนตำบลโคกขามคลองโคกกราก ส่วนขยาย พื้นที่อุตสาหกรรมจาก (N3) (GPS 47P 0746039, 1427094)
Measurement Date Nov 18 - Nov 19, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 920831

Page 2 of 3

Nov 18, 2025			Nov 18, 2025			Nov 18 - Nov 19, 2025		
Time	Leq	L90	Time	Leq	L90	Time	Leq	L90
06:00 PM - 06:05 PM	46.3	45.1	08:40 PM - 08:45 PM	52.8	50.6	11:20 PM - 11:25 PM	57.2	56.1
06:05 PM - 06:10 PM	47.0	45.5	08:45 PM - 08:50 PM	53.4	50.7	11:25 PM - 11:30 PM	58.1	57.0
06:10 PM - 06:15 PM	48.6	47.6	08:50 PM - 08:55 PM	53.3	50.3	11:30 PM - 11:35 PM	57.5	56.9
06:15 PM - 06:20 PM	52.1	49.7	08:55 PM - 09:00 PM	54.6	52.9	11:35 PM - 11:40 PM	57.2	56.0
06:20 PM - 06:25 PM	53.4	52.7	09:00 PM - 09:05 PM	53.7	50.8	11:40 PM - 11:45 PM	58.0	53.3
06:25 PM - 06:30 PM	53.4	52.7	09:05 PM - 09:10 PM	53.6	51.1	11:45 PM - 11:50 PM	57.1	56.1
06:30 PM - 06:35 PM	53.1	52.3	09:10 PM - 09:15 PM	52.6	50.3	11:50 PM - 11:55 PM	55.2	47.1
06:35 PM - 06:40 PM	52.7	51.2	09:15 PM - 09:20 PM	52.3	50.1	11:55 PM - 12:00 AM	49.4	47.1
06:40 PM - 06:45 PM	52.4	49.0	09:20 PM - 09:25 PM	52.0	50.1	12:00 AM - 12:05 AM	48.7	46.4
06:45 PM - 06:50 PM	49.4	44.6	09:25 PM - 09:30 PM	52.7	50.9	12:05 AM - 12:10 AM	48.8	47.1
06:50 PM - 06:55 PM	51.2	47.8	09:30 PM - 09:35 PM	52.5	50.8	12:10 AM - 12:15 AM	49.0	47.1
06:55 PM - 07:00 PM	50.6	48.5	09:35 PM - 09:40 PM	53.0	51.0	12:15 AM - 12:20 AM	48.7	47.4
07:00 PM - 07:05 PM	52.1	51.4	09:40 PM - 09:45 PM	53.0	50.7	12:20 AM - 12:25 AM	48.7	47.6
07:05 PM - 07:10 PM	52.4	50.3	09:45 PM - 09:50 PM	53.4	51.3	12:25 AM - 12:30 AM	49.2	47.8
07:10 PM - 07:15 PM	51.6	50.3	09:50 PM - 09:55 PM	52.8	50.8	12:30 AM - 12:35 AM	49.2	48.3
07:15 PM - 07:20 PM	52.3	51.3	09:55 PM - 10:00 PM	53.1	50.7	12:35 AM - 12:40 AM	49.3	48.5
07:20 PM - 07:25 PM	52.5	51.6	10:00 PM - 10:05 PM	52.3	50.1	12:40 AM - 12:45 AM	49.2	48.4
07:25 PM - 07:30 PM	52.5	51.5	10:05 PM - 10:10 PM	52.0	49.5	12:45 AM - 12:50 AM	49.5	48.6
07:30 PM - 07:35 PM	52.2	51.3	10:10 PM - 10:15 PM	51.4	49.2	12:50 AM - 12:55 AM	49.4	48.7
07:35 PM - 07:40 PM	52.3	51.7	10:15 PM - 10:20 PM	51.5	49.6	12:55 AM - 01:00 AM	48.7	48.6
07:40 PM - 07:45 PM	52.5	51.4	10:20 PM - 10:25 PM	51.6	49.3	01:00 AM - 01:05 AM	49.2	48.8
07:45 PM - 07:50 PM	52.6	51.3	10:25 PM - 10:30 PM	52.0	48.8	01:05 AM - 01:10 AM	49.8	49.1
07:50 PM - 07:55 PM	51.9	50.9	10:30 PM - 10:35 PM	52.1	49.1	01:10 AM - 01:15 AM	50.1	49.5
07:55 PM - 08:00 PM	52.7	51.5	10:35 PM - 10:40 PM	50.1	46.1	01:15 AM - 01:20 AM	51.6	48.9
08:00 PM - 08:05 PM	52.4	51.4	10:40 PM - 10:45 PM	50.4	46.3	01:20 AM - 01:25 AM	52.0	50.2
08:05 PM - 08:10 PM	52.5	51.2	10:45 PM - 10:50 PM	50.7	46.5	01:25 AM - 01:30 AM	52.0	50.0
08:10 PM - 08:15 PM	52.6	51.5	10:50 PM - 10:55 PM	50.1	56.5	01:30 AM - 01:35 AM	51.8	49.4
08:15 PM - 08:20 PM	52.5	51.3	10:55 PM - 11:00 PM	53.4	50.1	01:35 AM - 01:40 AM	52.4	50.3
08:20 PM - 08:25 PM	52.2	50.4	11:00 PM - 11:05 PM	51.1	49.7	01:40 AM - 01:45 AM	50.4	45.0
08:25 PM - 08:30 PM	52.3	50.6	11:05 PM - 11:10 PM	51.2	49.8	01:45 AM - 01:50 AM	44.6	44.6
08:30 PM - 08:35 PM	53.3	50.8	11:10 PM - 11:15 PM	51.3	49.8	01:50 AM - 01:55 AM	48.6	46.9
08:35 PM - 08:40 PM	53.2	50.3	11:15 PM - 11:20 PM	52.6	50.7	01:55 AM - 02:00 AM	53.9	49.9



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599244
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3459544-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number 2599244-18
Parameter Noise Level (Leq 5 min)
Location บริเวณพื้นที่สีเขียวและแนวรั้วชุมชนตำบลโคกประดู่ของโครงการ ส่วนชุมชน หมู่ที่8ตำบลนาหว้า (N3) (GPS 47P 0746039, 1427094)
Measurement Date Nov 19 - Nov 20, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 920831

Page 2 of 3

Nov 19, 2025	Leq dB(A)	L90 dB(A)	Nov 19, 2025	Leq dB(A)	L90 dB(A)	Nov 19 - Nov 20, 2025	Leq dB(A)	L90 dB(A)
06:00 PM - 06:05 PM	46.9	45.1	08:40 PM - 08:45 PM	52.2	50.7	11:20 PM - 11:25 PM	53.3	50.2
06:05 PM - 06:10 PM	54.7	46.1	08:45 PM - 08:50 PM	52.3	50.9	11:25 PM - 11:30 PM	55.2	50.5
06:10 PM - 06:15 PM	53.9	49.5	08:50 PM - 08:55 PM	52.2	50.4	11:30 PM - 11:35 PM	52.9	49.1
06:15 PM - 06:20 PM	54.9	53.4	08:55 PM - 09:00 PM	52.1	50.7	11:35 PM - 11:40 PM	53.4	49.8
06:20 PM - 06:25 PM	55.3	52.1	09:00 PM - 09:05 PM	53.1	51.1	11:40 PM - 11:45 PM	53.2	49.4
06:25 PM - 06:30 PM	53.9	51.3	09:05 PM - 09:10 PM	52.5	50.6	11:45 PM - 11:50 PM	52.5	48.6
06:30 PM - 06:35 PM	53.0	51.4	09:10 PM - 09:15 PM	54.4	51.0	11:50 PM - 11:55 PM	52.8	48.9
06:35 PM - 06:40 PM	53.6	51.4	09:15 PM - 09:20 PM	53.2	51.2	11:55 PM - 12:00 AM	53.1	49.2
06:40 PM - 06:45 PM	54.5	51.9	09:20 PM - 09:25 PM	52.4	50.9	12:00 AM - 12:05 AM	52.9	49.2
06:45 PM - 06:50 PM	56.3	53.3	09:25 PM - 09:30 PM	51.6	49.8	12:05 AM - 12:10 AM	52.5	48.8
06:50 PM - 06:55 PM	56.1	52.4	09:30 PM - 09:35 PM	51.2	49.7	12:10 AM - 12:15 AM	52.8	49.1
06:55 PM - 07:00 PM	55.4	51.7	09:35 PM - 09:40 PM	51.4	49.7	12:15 AM - 12:20 AM	53.1	49.3
07:00 PM - 07:05 PM	55.5	52.2	09:40 PM - 09:45 PM	51.9	50.0	12:20 AM - 12:25 AM	52.0	48.6
07:05 PM - 07:10 PM	55.7	52.7	09:45 PM - 09:50 PM	51.4	49.4	12:25 AM - 12:30 AM	52.6	49.0
07:10 PM - 07:15 PM	54.7	51.6	09:50 PM - 09:55 PM	51.6	49.9	12:30 AM - 12:35 AM	52.9	49.2
07:15 PM - 07:20 PM	52.3	51.1	09:55 PM - 10:00 PM	52.6	49.7	12:35 AM - 12:40 AM	52.5	49.3
07:20 PM - 07:25 PM	52.2	51.3	10:00 PM - 10:05 PM	52.8	50.4	12:40 AM - 12:45 AM	50.0	48.5
07:25 PM - 07:30 PM	51.9	50.8	10:05 PM - 10:10 PM	52.7	50.3	12:45 AM - 12:50 AM	51.0	49.0
07:30 PM - 07:35 PM	51.7	50.7	10:10 PM - 10:15 PM	52.7	50.3	12:50 AM - 12:55 AM	51.0	49.4
07:35 PM - 07:40 PM	51.7	50.5	10:15 PM - 10:20 PM	52.5	50.6	12:55 AM - 01:00 AM	51.7	49.4
07:40 PM - 07:45 PM	51.7	50.7	10:20 PM - 10:25 PM	50.6	49.8	01:00 AM - 01:05 AM	49.4	48.5
07:45 PM - 07:50 PM	51.6	50.5	10:25 PM - 10:30 PM	50.6	49.8	01:05 AM - 01:10 AM	49.1	48.4
07:50 PM - 07:55 PM	51.7	50.7	10:30 PM - 10:35 PM	51.9	50.4	01:10 AM - 01:15 AM	51.0	49.0
07:55 PM - 08:00 PM	51.8	50.8	10:35 PM - 10:40 PM	53.3	50.6	01:15 AM - 01:20 AM	51.2	48.8
08:00 PM - 08:05 PM	52.9	50.8	10:40 PM - 10:45 PM	51.9	50.2	01:20 AM - 01:25 AM	52.7	49.1
08:05 PM - 08:10 PM	51.6	50.6	10:45 PM - 10:50 PM	50.9	50.1	01:25 AM - 01:30 AM	52.7	49.0
08:10 PM - 08:15 PM	51.9	50.2	10:50 PM - 10:55 PM	52.7	50.1	01:30 AM - 01:35 AM	52.6	49.1
08:15 PM - 08:20 PM	51.9	50.4	10:55 PM - 11:00 PM	52.3	49.5	01:35 AM - 01:40 AM	52.4	48.9
08:20 PM - 08:25 PM	51.4	49.9	11:00 PM - 11:05 PM	52.7	49.9	01:40 AM - 01:45 AM	49.8	48.3
08:25 PM - 08:30 PM	52.7	50.0	11:05 PM - 11:10 PM	53.7	49.8	01:45 AM - 01:50 AM	48.7	47.3
08:30 PM - 08:35 PM	52.0	50.6	11:10 PM - 11:15 PM	53.3	50.1	01:50 AM - 01:55 AM	49.4	48.8
08:35 PM - 08:40 PM	52.1	50.6	11:15 PM - 11:20 PM	54.2	50.7	01:55 AM - 02:00 AM	49.2	48.6

The above results are valid only for the analysed/tested sample(s) as indicated in the report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Sarayuht Jitranont
Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599244
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3459544-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number 2599244-18
Parameter Noise Level (Leq 5 min)
Location บริเวณพื้นที่สีเขียวและแนวรั้วชุมชนตำบลโคกประดู่ของโครงการ ส่วนชุมชน หมู่ที่8ตำบลนาหว้า (N3) (GPS 47P 0746039, 1427094)
Measurement Date Nov 19 - Nov 20, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 920831

Page 3 of 3

Nov 20, 2025	Leq dB(A)	L90 dB(A)	Nov 20, 2025	Leq dB(A)	L90 dB(A)	Nov 20, 2025	Leq dB(A)	L90 dB(A)
02:00 AM - 02:05 AM	49.0	48.3	04:40 AM - 04:45 AM	49.4	48.5	07:20 AM - 07:25 AM	46.9	44.2
02:05 AM - 02:10 AM	49.8	48.6	04:45 AM - 04:50 AM	49.6	48.8	07:25 AM - 07:30 AM	44.6	42.3
02:10 AM - 02:15 AM	49.8	48.6	04:50 AM - 04:55 AM	49.6	48.7	07:30 AM - 07:35 AM	45.9	43.6
02:15 AM - 02:20 AM	49.8	49.2	04:55 AM - 05:00 AM	49.5	48.5	07:35 AM - 07:40 AM	45.0	43.5
02:20 AM - 02:25 AM	50.4	49.7	05:00 AM - 05:05 AM	49.3	48.5	07:40 AM - 07:45 AM	45.2	44.2
02:25 AM - 02:30 AM	50.2	49.6	05:05 AM - 05:10 AM	49.1	48.4	07:45 AM - 07:50 AM	45.0	43.3
02:30 AM - 02:35 AM	50.3	49.3	05:10 AM - 05:15 AM	49.0	48.4	07:50 AM - 07:55 AM	44.5	42.8
02:35 AM - 02:40 AM	52.0	50.0	05:15 AM - 05:20 AM	49.4	48.6	07:55 AM - 08:00 AM	48.3	44.1
02:40 AM - 02:45 AM	52.4	50.0	05:20 AM - 05:25 AM	48.9	47.6	08:00 AM - 08:05 AM	49.6	44.1
02:45 AM - 02:50 AM	51.6	49.4	05:25 AM - 05:30 AM	48.4	47.5	08:05 AM - 08:10 AM	47.0	44.7
02:50 AM - 02:55 AM	51.5	49.4	05:30 AM - 05:35 AM	48.3	47.5	08:10 AM - 08:15 AM	51.5	45.1
02:55 AM - 03:00 AM	51.1	49.0	05:35 AM - 05:40 AM	48.0	47.1	08:15 AM - 08:20 AM	48.2	45.4
03:00 AM - 03:05 AM	51.6	49.9	05:40 AM - 05:45 AM	48.0	47.3	08:20 AM - 08:25 AM	47.7	45.5
03:05 AM - 03:10 AM	51.0	49.9	05:45 AM - 05:50 AM	47.7	46.7	08:25 AM - 08:30 AM	47.3	45.2
03:10 AM - 03:15 AM	51.0	49.5	05:50 AM - 05:55 AM	48.2	47.1	08:30 AM - 08:35 AM	48.5	46.0
03:15 AM - 03:20 AM	49.2	48.4	05:55 AM - 06:00 AM	47.2	46.1	08:35 AM - 08:40 AM	47.8	45.3
03:20 AM - 03:25 AM	49.8	48.8	06:00 AM - 06:05 AM	46.5	45.5	08:40 AM - 08:45 AM	49.3	46.9
03:25 AM - 03:30 AM	49.4	48.6	06:05 AM - 06:10 AM	48.0	45.0	08:45 AM - 08:50 AM	49.7	46.2
03:30 AM - 03:35 AM	49.6	48.6	06:10 AM - 06:15 AM	46.7	44.9	08:50 AM - 08:55 AM	50.5	44.8
03:35 AM - 03:40 AM	48.9	48.2	06:15 AM - 06:20 AM	45.9	44.6	08:55 AM - 09:00 AM	49.9	46.4
03:40 AM - 03:45 AM	48.8	48.0	06:20 AM - 06:25 AM	46.3	44.5	09:00 AM - 09:05 AM	46.9	44.8
03:45 AM - 03:50 AM	49.1	48.5	06:25 AM - 06:30 AM	45.8	44.4	09:05 AM - 09:10 AM	47.1	45.0
03:50 AM - 03:55 AM	48.9	48.4	06:30 AM - 06:35 AM	46.1	44.8	09:10 AM - 09:15 AM	46.0	44.5
03:55 AM - 04:00 AM	48.9	48.3	06:35 AM - 06:40 AM	47.2	45.0	09:15 AM - 09:20 AM	46.3	44.5
04:00 AM - 04:05 AM	49.0	48.1	06:40 AM - 06:45 AM	48.2	44.4	09:20 AM - 09:25 AM	45.9	44.1
04:05 AM - 04:10 AM	48.8	48.3	06:45 AM - 06:50 AM	45.6	44.0	09:25 AM - 09:30 AM	47.9	45.4
04:10 AM - 04:15 AM	48.5	47.8	06:50 AM - 06:55 AM	45.2	44.1	09:30 AM - 09:35 AM	49.2	46.2
04:15 AM - 04:20 AM	49.5	48.5	06:55 AM - 07:00 AM	46.7	44.6	09:35 AM - 09:40 AM	49.2	46.4
04:20 AM - 04:25 AM	49.5	48.3	07:00 AM - 07:05 AM	46.7	44.0	09:40 AM - 09:45 AM	50.0	46.7
04:25 AM - 04:30 AM	50.3	48.8	07:05 AM - 07:10 AM	45.7	44.1	09:45 AM - 09:50 AM	50.7	47.3
04:30 AM - 04:35 AM	49.7	48.6	07:10 AM - 07:15 AM	47.0	44.5	09:50 AM - 09:55 AM	50.0	47.1
04:35 AM - 04:40 AM	51.7	48.7	07:15 AM - 07:20 AM	44.3	43.5	09:55 AM - 10:00 AM	48.6	45.8

The above results are valid only for the analysed/tested sample(s) as indicated in the report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Sarayuht Jitranont
Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599244
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3459545-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number 2599244-19
Parameter Noise Level (Leq 5 min)
Location บริเวณพื้นที่สีเขียวและแนวรั้วชุมชนตำบลโคกประดู่ของโครงการ ส่วนชุมชน หมู่ที่8ตำบลนาหว้า (N3) (GPS 47P 0746039, 1427094)
Measurement Date Nov 20 - Nov 21, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 920831

Page 1 of 3

Nov 20, 2025			Nov 20, 2025			Nov 20, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
10:00 AM - 10:05 AM	48.9	45.3	12:40 PM - 12:45 PM	43.6	42.2	03:20 PM - 03:25 PM	46.1	44.5
10:05 AM - 10:10 AM	49.3	46.4	12:45 PM - 12:50 PM	44.5	43.1	03:25 PM - 03:30 PM	49.6	44.5
10:10 AM - 10:15 AM	49.3	46.5	12:50 PM - 12:55 PM	44.3	42.7	03:30 PM - 03:35 PM	49.9	45.6
10:15 AM - 10:20 AM	46.9	44.4	12:55 PM - 01:00 PM	44.3	42.6	03:35 PM - 03:40 PM	52.4	49.6
10:20 AM - 10:25 AM	45.3	44.1	01:00 PM - 01:05 PM	45.4	43.2	03:40 PM - 03:45 PM	48.8	44.7
10:25 AM - 10:30 AM	46.9	44.5	01:05 PM - 01:10 PM	44.9	43.1	03:45 PM - 03:50 PM	47.2	45.0
10:30 AM - 10:35 AM	46.1	44.4	01:10 PM - 01:15 PM	52.8	42.9	03:50 PM - 03:55 PM	47.0	45.2
10:35 AM - 10:40 AM	45.3	43.5	01:15 PM - 01:20 PM	44.9	43.3	03:55 PM - 04:00 PM	46.0	44.3
10:40 AM - 10:45 AM	44.4	43.3	01:20 PM - 01:25 PM	44.7	42.8	04:00 PM - 04:05 PM	45.0	43.6
10:45 AM - 10:50 AM	46.1	43.7	01:25 PM - 01:30 PM	57.5	43.5	04:05 PM - 04:10 PM	44.3	42.9
10:50 AM - 10:55 AM	47.4	44.2	01:30 PM - 01:35 PM	44.6	43.2	04:10 PM - 04:15 PM	48.3	43.7
10:55 AM - 11:00 AM	45.6	43.6	01:35 PM - 01:40 PM	44.2	42.7	04:15 PM - 04:20 PM	49.6	44.0
11:00 AM - 11:05 AM	45.4	43.8	01:40 PM - 01:45 PM	45.6	43.5	04:20 PM - 04:25 PM	48.6	43.7
11:05 AM - 11:10 AM	45.8	44.5	01:45 PM - 01:50 PM	47.7	43.1	04:25 PM - 04:30 PM	44.8	43.5
11:10 AM - 11:15 AM	45.0	43.8	01:50 PM - 01:55 PM	44.7	42.8	04:30 PM - 04:35 PM	47.6	44.6
11:15 AM - 11:20 AM	46.2	44.5	01:55 PM - 02:00 PM	46.7	43.2	04:35 PM - 04:40 PM	45.7	44.5
11:20 AM - 11:25 AM	51.3	44.0	02:00 PM - 02:05 PM	46.4	43.7	04:40 PM - 04:45 PM	47.0	45.2
11:25 AM - 11:30 AM	45.7	43.7	02:05 PM - 02:10 PM	46.5	44.3	04:45 PM - 04:50 PM	47.3	45.9
11:30 AM - 11:35 AM	48.2	44.4	02:10 PM - 02:15 PM	46.0	44.4	04:50 PM - 04:55 PM	47.9	46.1
11:35 AM - 11:40 AM	46.7	44.0	02:15 PM - 02:20 PM	46.0	44.2	04:55 PM - 05:00 PM	47.7	45.8
11:40 AM - 11:45 AM	44	43.7	02:20 PM - 02:25 PM	45.1	43.8	05:00 PM - 05:05 PM	46.3	45.2
11:45 AM - 11:50 AM	47.5	45.3	02:25 PM - 02:30 PM	45.9	44.3	05:05 PM - 05:10 PM	47.5	46.6
11:50 AM - 11:55 AM	46.7	44.9	02:30 PM - 02:35 PM	47.1	44.5	05:10 PM - 05:15 PM	46.4	44.6
11:55 AM - 12:00 PM	45.5	44.3	02:35 PM - 02:40 PM	45.3	43.5	05:15 PM - 05:20 PM	46.3	45.0
12:00 PM - 12:05 PM	45.0	43.7	02:40 PM - 02:45 PM	46.9	44.6	05:20 PM - 05:25 PM	46.3	44.5
12:05 PM - 12:10 PM	45.9	43.9	02:45 PM - 02:50 PM	52.0	46.3	05:25 PM - 05:30 PM	45.1	44.0
12:10 PM - 12:15 PM	44.6	43.5	02:50 PM - 02:55 PM	48.0	44.6	05:30 PM - 05:35 PM	45.2	44.1
12:15 PM - 12:20 PM	44.0	42.7	02:55 PM - 03:00 PM	46.5	44.9	05:35 PM - 05:40 PM	46.6	45.1
12:20 PM - 12:25 PM	45.0	42.8	03:00 PM - 03:05 PM	44.9	42.6	05:40 PM - 05:45 PM	46.0	45.0
12:25 PM - 12:30 PM	45.7	43.7	03:05 PM - 03:10 PM	45.0	42.2	05:45 PM - 05:50 PM	45.7	44.7
12:30 PM - 12:35 PM	44.5	42.8	03:10 PM - 03:15 PM	45.0	42.3	05:50 PM - 05:55 PM	45.7	44.7
12:35 PM - 12:40 PM	43.7	42.6	03:15 PM - 03:20 PM	45.3	42.9	05:55 PM - 06:00 PM	45.7	44.6



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599244
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3459546-1

Page 3 of 3

Sample Number 2599244-19
Parameter Noise Level (Leq 5 min)
Location บริเวณพื้นที่สีเขียวและแนวกันชนด้านทิศตะวันออกของโครงการ ส่วนขยาย พื้นที่อุตสาหกรรมจาก (N3) (GPS 47P 0746039, 1427094)
Measurement Date Nov 21 - Nov 22, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 920831

Nov 21, 2025	Leq	L90	Nov 21, 2025	Leq	L90	Nov 21, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
02:00 AM - 02:05 AM	48.4	46.7	04:40 AM - 04:45 AM	50.1	49.4	07:20 AM - 07:25 AM	48.7	45.2
02:05 AM - 02:10 AM	48.4	47.1	04:45 AM - 04:50 AM	49.7	49.1	07:25 AM - 07:30 AM	46.6	44.8
02:10 AM - 02:15 AM	49.8	47.5	04:50 AM - 04:55 AM	50.5	49.4	07:30 AM - 07:35 AM	47.3	44.6
02:15 AM - 02:20 AM	48.9	47.9	04:55 AM - 05:00 AM	52.4	50.8	07:35 AM - 07:40 AM	45.3	44.2
02:20 AM - 02:25 AM	49.1	48.0	05:00 AM - 05:05 AM	51.6	50.3	07:40 AM - 07:45 AM	45.2	43.6
02:25 AM - 02:30 AM	49.0	47.7	05:05 AM - 05:10 AM	50.8	49.5	07:45 AM - 07:50 AM	45.7	44.5
02:30 AM - 02:35 AM	49.1	48.0	05:10 AM - 05:15 AM	50.7	49.4	07:50 AM - 07:55 AM	46.5	43.9
02:35 AM - 02:40 AM	48.8	47.7	05:15 AM - 05:20 AM	50.5	49.4	07:55 AM - 08:00 AM	46.8	45.0
02:40 AM - 02:45 AM	46.6	46.8	05:20 AM - 05:25 AM	50.7	49.5	08:00 AM - 08:05 AM	47.2	45.3
02:45 AM - 02:50 AM	49.4	48.8	05:25 AM - 05:30 AM	51.1	49.9	08:05 AM - 08:10 AM	47.1	45.2
02:50 AM - 02:55 AM	50.5	47.7	05:30 AM - 05:35 AM	50.9	49.9	08:10 AM - 08:15 AM	46.8	45.1
02:55 AM - 03:00 AM	51.9	50.6	05:35 AM - 05:40 AM	50.4	49.5	08:15 AM - 08:20 AM	48.7	46.1
03:00 AM - 03:05 AM	51.4	50.0	05:40 AM - 05:45 AM	50.0	48.2	08:20 AM - 08:25 AM	48.5	45.2
03:05 AM - 03:10 AM	51.6	50.1	05:45 AM - 05:50 AM	48.9	47.5	08:25 AM - 08:30 AM	47.6	44.8
03:10 AM - 03:15 AM	51.8	50.0	05:50 AM - 05:55 AM	50.3	47.7	08:30 AM - 08:35 AM	48.3	45.6
03:15 AM - 03:20 AM	51.6	50.2	05:55 AM - 06:00 AM	50.5	48.0	08:35 AM - 08:40 AM	47.0	44.9
03:20 AM - 03:25 AM	51.4	50.0	06:00 AM - 06:05 AM	48.2	46.7	08:40 AM - 08:45 AM	47.2	45.3
03:25 AM - 03:30 AM	51.3	50.0	06:05 AM - 06:10 AM	48.7	46.9	08:45 AM - 08:50 AM	47.2	44.9
03:30 AM - 03:35 AM	51.3	50.0	06:10 AM - 06:15 AM	48.4	46.8	08:50 AM - 08:55 AM	47.6	45.5
03:35 AM - 03:40 AM	50.9	49.8	06:15 AM - 06:20 AM	48.1	46.6	08:55 AM - 09:00 AM	48.4	45.4
03:40 AM - 03:45 AM	51.0	49.8	06:20 AM - 06:25 AM	48.6	46.3	09:00 AM - 09:05 AM	49.3	46.3
03:45 AM - 03:50 AM	50.8	49.2	06:25 AM - 06:30 AM	47.6	46.4	09:05 AM - 09:10 AM	48.9	46.6
03:50 AM - 03:55 AM	50.3	48.4	06:30 AM - 06:35 AM	47.6	45.7	09:10 AM - 09:15 AM	48.0	45.7
03:55 AM - 04:00 AM	49.9	48.3	06:35 AM - 06:40 AM	47.1	45.8	09:15 AM - 09:20 AM	48.5	45.5
04:00 AM - 04:05 AM	50.2	48.5	06:40 AM - 06:45 AM	48.1	46.9	09:20 AM - 09:25 AM	47.8	46.1
04:05 AM - 04:10 AM	50.3	49.0	06:45 AM - 06:50 AM	48.3	46.5	09:25 AM - 09:30 AM	47.2	46.1
04:10 AM - 04:15 AM	50.3	49.1	06:50 AM - 06:55 AM	46.5	45.2	09:30 AM - 09:35 AM	46.2	44.8
04:15 AM - 04:20 AM	49.1	47.3	06:55 AM - 07:00 AM	47.3	44.6	09:35 AM - 09:40 AM	46.7	44.8
04:20 AM - 04:25 AM	48.2	47.1	07:00 AM - 07:05 AM	48.3	46.0	09:40 AM - 09:45 AM	47.1	45.5
04:25 AM - 04:30 AM	48.0	47.5	07:05 AM - 07:10 AM	48.1	45.4	09:45 AM - 09:50 AM	47.5	44.3
04:30 AM - 04:35 AM	49.8	47.8	07:10 AM - 07:15 AM	51.6	49.0	09:50 AM - 09:55 AM	46.9	45.2
04:35 AM - 04:40 AM	49.7	48.6	07:15 AM - 07:20 AM	50.0	46.2	09:55 AM - 10:00 AM	45.5	43.8

The above results are valid only for the analysed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that the report is not reproduced except in full.

Approved by

Sarayuht Jitranont
Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599244
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3459546-1

Page 1 of 3

Sample Number 2599244-20
Parameter Noise Level (Leq 5 min)
Location บริเวณพื้นที่สีเขียวและแนวกันชนด้านทิศตะวันออกของโครงการ ส่วนขยาย พื้นที่อุตสาหกรรมจาก (N3) (GPS 47P 0746039, 1427094)
Measurement Date Nov 21 - Nov 22, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 920831

Nov 21, 2025	Leq	L90	Nov 21, 2025	Leq	L90	Nov 21, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
10:00 AM - 10:05 AM	44.7	43.3	12:40 PM - 12:45 PM	44.8	42.8	03:20 PM - 03:25 PM	46.0	44.0
10:05 AM - 10:10 AM	46.8	43.7	12:45 PM - 12:50 PM	45.2	43.0	03:25 PM - 03:30 PM	46.3	43.5
10:10 AM - 10:15 AM	49.0	44.7	12:50 PM - 12:55 PM	44.6	42.6	03:30 PM - 03:35 PM	50.9	49.3
10:15 AM - 10:20 AM	48.5	46.6	12:55 PM - 01:00 PM	44.3	43.1	03:35 PM - 03:40 PM	50.4	47.2
10:20 AM - 10:25 AM	49.3	47.3	01:00 PM - 01:05 PM	44.8	43.1	03:40 PM - 03:45 PM	49.0	46.0
10:25 AM - 10:30 AM	62.2	53.3	01:05 PM - 01:10 PM	45.4	42.9	03:45 PM - 03:50 PM	47.1	45.7
10:30 AM - 10:35 AM	67.3	62.3	01:10 PM - 01:15 PM	45.0	43.5	03:50 PM - 03:55 PM	47.4	46.0
10:35 AM - 10:40 AM	56.5	53.1	01:15 PM - 01:20 PM	44.0	42.8	03:55 PM - 04:00 PM	48.3	47.0
10:40 AM - 10:45 AM	54.1	48.5	01:20 PM - 01:25 PM	43.7	42.0	04:00 PM - 04:05 PM	47.9	46.7
10:45 AM - 10:50 AM	50.5	46.2	01:25 PM - 01:30 PM	43.8	41.7	04:05 PM - 04:10 PM	47.9	46.5
10:50 AM - 10:55 AM	49.6	47.1	01:30 PM - 01:35 PM	44.3	42.3	04:10 PM - 04:15 PM	48.5	47.1
10:55 AM - 11:00 AM	51.0	47.6	01:35 PM - 01:40 PM	45.4	43.3	04:15 PM - 04:20 PM	48.8	47.6
11:00 AM - 11:05 AM	50.4	48.0	01:40 PM - 01:45 PM	44.3	43.0	04:20 PM - 04:25 PM	48.3	47.0
11:05 AM - 11:10 AM	48.1	44.9	01:45 PM - 01:50 PM	45.2	43.0	04:25 PM - 04:30 PM	47.9	46.7
11:10 AM - 11:15 AM	47.8	44.0	01:50 PM - 01:55 PM	43.9	42.2	04:30 PM - 04:35 PM	47.6	46.5
11:15 AM - 11:20 AM	47.5	44.7	01:55 PM - 02:00 PM	44.0	41.9	04:35 PM - 04:40 PM	47.7	46.5
11:20 AM - 11:25 AM	48.5	45.9	02:00 PM - 02:05 PM	44.4	42.1	04:40 PM - 04:45 PM	47.7	46.4
11:25 AM - 11:30 AM	47.6	45.2	02:05 PM - 02:10 PM	45.7	43.8	04:45 PM - 04:50 PM	47.8	46.5
11:30 AM - 11:35 AM	47.4	45.5	02:10 PM - 02:15 PM	45.4	43.7	04:50 PM - 04:55 PM	47.1	46.0
11:35 AM - 11:40 AM	47.1	44.9	02:15 PM - 02:20 PM	45.4	43.6	04:55 PM - 05:00 PM	47.0	45.8
11:40 AM - 11:45 AM	47.2	45.5	02:20 PM - 02:25 PM	45.7	44.3	05:00 PM - 05:05 PM	46.5	45.3
11:45 AM - 11:50 AM	46.3	44.6	02:25 PM - 02:30 PM	45.9	44.4	05:05 PM - 05:10 PM	46.4	45.3
11:50 AM - 11:55 AM	45.8	43.8	02:30 PM - 02:35 PM	46.0	44.3	05:10 PM - 05:15 PM	47.3	45.9
11:55 AM - 12:00 PM	44.9	42.8	02:35 PM - 02:40 PM	45.5	43.7	05:15 PM - 05:20 PM	46.7	45.6
12:00 PM - 12:05 PM	44.9	42.3	02:40 PM - 02:45 PM	45.4	44.2	05:20 PM - 05:25 PM	47.4	46.4
12:05 PM - 12:10 PM	45.2	42.5	02:45 PM - 02:50 PM	45.5	43.6	05:25 PM - 05:30 PM	47.3	46.2
12:10 PM - 12:15 PM	44.8	42.4	02:50 PM - 02:55 PM	45.9	44.1	05:30 PM - 05:35 PM	47.7	46.5
12:15 PM - 12:20 PM	45.0	42.9	02:55 PM - 03:00 PM	46.5	44.9	05:35 PM - 05:40 PM	48.1	47.0
12:20 PM - 12:25 PM	44.1	42.5	03:00 PM - 03:05 PM	44.5	42.4	05:40 PM - 05:45 PM	48.4	47.1
12:25 PM - 12:30 PM	44.5	42.4	03:05 PM - 03:10 PM	45.2	43.2	05:45 PM - 05:50 PM	47.6	46.4
12:30 PM - 12:35 PM	44.4	42.7	03:10 PM - 03:15 PM	46.2	43.8	05:50 PM - 05:55 PM	47.4	46.2
12:35 PM - 12:40 PM	45.1	43.0	03:15 PM - 03:20 PM	46.7	45.1	05:55 PM - 06:00 PM	47.1	46.3

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Approved by

Sarayuht Jitranont
Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599244
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3459546-1

Page 2 of 3

Sample Number 2599244-20
Parameter Noise Level (Leq 5 min)
Location บริเวณพื้นที่สีเขียวและแนวกันชนด้านทิศตะวันออกของโครงการ ส่วนขยาย พื้นที่อุตสาหกรรมจาก (N3) (GPS 47P 0746039, 1427094)
Measurement Date Nov 21 - Nov 22, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 920831

Nov 21, 2025			Nov 21, 2025			Nov 21 - Nov 22, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
05:00 PM - 05:05 PM	47.5	46.5	08:40 PM - 08:45 PM	50.6	48.6	11:20 PM - 11:25 PM	50.9	49.4
05:05 PM - 05:10 PM	48.7	46.9	08:45 PM - 08:50 PM	50.4	48.8	11:25 PM - 11:30 PM	50.2	48.7
05:10 PM - 05:15 PM	53.2	49.7	08:50 PM - 08:55 PM	49.2	48.5	11:30 PM - 11:35 PM	49.6	47.5
05:15 PM - 05:20 PM	56.0	51.1	08:55 PM - 09:00 PM	50.4	49.1	11:35 PM - 11:40 PM	49.5	48.2
05:20 PM - 05:25 PM	55.0	50.7	09:00 PM - 09:05 PM	50.0	48.6	11:40 PM - 11:45 PM	50.2	48.7
05:25 PM - 05:30 PM	51.8	50.4	09:05 PM - 09:10 PM	50.7	49.1	11:45 PM - 11:50 PM	50.2	49.1
05:30 PM - 05:35 PM	53.7	50.9	09:10 PM - 09:15 PM	50.3	49.4	11:50 PM - 11:55 PM	50.1	48.8
05:35 PM - 05:40 PM	51.5	50.7	09:15 PM - 09:20 PM	50.4	49.5	11:55 PM - 12:00 AM	49.7	49.1
05:40 PM - 05:45 PM	53.3	51.1	09:20 PM - 09:25 PM	50.3	49.3	12:00 AM - 12:05 AM	49.9	49.1
05:45 PM - 05:50 PM	53.5	51.9	09:25 PM - 09:30 PM	49.8	48.8	12:05 AM - 12:10 AM	46.8	44.1
05:50 PM - 05:55 PM	52.5	49.8	09:30 PM - 09:35 PM	49.5	48.4	12:10 AM - 12:15 AM	47.1	45.5
05:55 PM - 06:00 PM	52.7	50.7	09:35 PM - 09:40 PM	50.2	49.1	12:15 AM - 12:20 AM	49.0	47.5
06:00 PM - 06:05 PM	52.3	49.4	09:40 PM - 09:45 PM	50.3	49.4	12:20 AM - 12:25 AM	49.5	47.9
06:05 PM - 06:10 PM	51.9	49.9	09:45 PM - 09:50 PM	50.0	48.8	12:25 AM - 12:30 AM	49.8	48.6
06:10 PM - 06:15 PM	51.6	49.5	09:50 PM - 09:55 PM	50.1	49.2	12:30 AM - 12:35 AM	50.4	48.7
06:15 PM - 06:20 PM	49.9	48.8	09:55 PM - 10:00 PM	50.4	49.2	12:35 AM - 12:40 AM	51.2	50.4
06:20 PM - 06:25 PM	50.8	48.9	10:00 PM - 10:05 PM	57.1	48.9	12:40 AM - 12:45 AM	50.0	48.2
06:25 PM - 06:30 PM	52.8	49.6	10:05 PM - 10:10 PM	55.0	50.1	12:45 AM - 12:50 AM	50.3	48.6
06:30 PM - 06:35 PM	52.7	49.5	10:10 PM - 10:15 PM	53.6	48.6	12:50 AM - 12:55 AM	50.4	49.3
06:35 PM - 06:40 PM	52.9	50.0	10:15 PM - 10:20 PM	50.1	49.4	12:55 AM - 01:00 AM	50.7	50.0
06:40 PM - 06:45 PM	53.0	50.1	10:20 PM - 10:25 PM	51.1	49.8	01:00 AM - 01:05 AM	50.7	50.0
06:45 PM - 06:50 PM	51.9	49.1	10:25 PM - 10:30 PM	51.6	51.0	01:05 AM - 01:10 AM	50.6	48.6
06:50 PM - 06:55 PM	49.2	48.5	10:30 PM - 10:35 PM	50.5	49.4	01:10 AM - 01:15 AM	51.2	50.3
06:55 PM - 07:00 PM	48.0	48.7	10:35 PM - 10:40 PM	50.9	49.8	01:15 AM - 01:20 AM	50.4	48.1
07:00 PM - 07:05 PM	52.1	49.0	10:40 PM - 10:45 PM	52.7	50.0	01:20 AM - 01:25 AM	48.3	46.3
07:05 PM - 07:10 PM	52.2	49.9	10:45 PM - 10:50 PM	50.1	49.0	01:25 AM - 01:30 AM	48.6	47.7
07:10 PM - 07:15 PM	52.4	50.2	10:50 PM - 10:55 PM	49.6	48.4	01:30 PM - 01:35 AM	48.7	47.4
07:15 PM - 07:20 PM	52.4	49.8	10:55 PM - 11:00 PM	49.4	48.4	01:35 AM - 01:40 AM	48.9	47.6
07:20 PM - 07:25 PM	52.2	49.6	11:00 PM - 11:05 PM	49.3	47.7	01:40 AM - 01:45 AM	48.9	47.9
07:25 PM - 07:30 PM	51.2	49.5	11:05 PM - 11:10 PM	47.5	46.4	01:45 AM - 01:50 AM	47.2	47.1
07:30 PM - 07:35 PM	49.7	48.4	11:10 PM - 11:15 PM	50.2	48.4	01:50 AM - 01:55 AM	48.2	47.1
07:35 PM - 07:40 PM	50.0	48.8	11:15 PM - 11:20 PM	49.6	48.0	01:55 AM - 02:00 AM	47.8	47.7



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599244
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3459547-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample Number 2599244-21
Parameter Noise Level (Leq 5 min)
Location บ้านกึ่งพื้นที่นิคมและแนวชุมชนตำบลโคกสูงโครงการ ส่วนขยาย พื้นที่อุตสาหกรรมถาวร (N3) (GPS 47P 0746039, 1427094)
Measurement Date Nov 22 - Nov 23, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 920831

Nov 22, 2025		Leq	L90	Nov 22, 2025		Leq	L90	Nov 22, 2025		Leq	L90
Time		dB(A)	dB(A)	Time		dB(A)	dB(A)	Time		dB(A)	dB(A)
10:00 AM - 10:05 AM	50.1	44.6	12:40 PM - 12:45 PM	45.3	43.0	03:20 PM - 03:25 PM	52.2	50.9			
10:05 AM - 10:10 AM	47.1	44.2	12:45 PM - 12:50 PM	45.7	44.2	03:25 PM - 03:30 PM	51.7	50.2			
10:10 AM - 10:15 AM	45.5	44.2	12:50 PM - 12:55 PM	45.9	44.3	03:30 PM - 03:35 PM	52.0	50.7			
10:15 AM - 10:20 AM	45.7	44.4	12:55 PM - 01:00 PM	45.9	44.4	03:35 PM - 03:40 PM	52.3	50.8			
10:20 AM - 10:25 AM	45.3	44.1	01:00 PM - 01:05 PM	46.0	44.3	03:40 PM - 03:45 PM	51.9	50.6			
10:25 AM - 10:30 AM	45.9	44.8	01:05 PM - 01:10 PM	45.2	43.9	03:45 PM - 03:50 PM	51.8	50.2			
10:30 AM - 10:35 AM	46.1	44.9	01:10 PM - 01:15 PM	45.3	43.6	03:50 PM - 03:55 PM	52.0	50.5			
10:35 AM - 10:40 AM	45.9	44.7	01:15 PM - 01:20 PM	45.7	43.8	03:55 PM - 04:00 PM	53.1	50.7			
10:40 AM - 10:45 AM	46.0	44.3	01:20 PM - 01:25 PM	46.7	44.3	04:00 PM - 04:05 PM	52.1	50.8			
10:45 AM - 10:50 AM	45.2	44.2	01:25 PM - 01:30 PM	45.0	43.9	04:05 PM - 04:10 PM	52.0	50.7			
10:50 AM - 10:55 AM	45.2	44.0	01:30 PM - 01:35 PM	44.5	43.5	04:10 PM - 04:15 PM	51.8	50.5			
10:55 AM - 11:00 AM	46.1	44.3	01:35 PM - 01:40 PM	45.3	43.9	04:15 PM - 04:20 PM	52.0	50.8			
11:00 AM - 11:05 AM	46.0	44.5	01:40 PM - 01:45 PM	45.1	44.1	04:20 PM - 04:25 PM	51.9	50.4			
11:05 AM - 11:10 AM	45.8	44.2	01:45 PM - 01:50 PM	45.4	44.4	04:25 PM - 04:30 PM	51.9	50.5			
11:10 AM - 11:15 AM	46.8	44.6	01:50 PM - 01:55 PM	45.9	44.6	04:30 PM - 04:35 PM	52.9	50.6			
11:15 AM - 11:20 AM	46.0	44.4	01:55 PM - 02:00 PM	45.7	44.3	04:35 PM - 04:40 PM	52.5	50.6			
11:20 AM - 11:25 AM	46.6	44.7	02:00 PM - 02:05 PM	45.5	44.0	04:40 PM - 04:45 PM	52.0	50.6			
11:25 AM - 11:30 AM	49.0	45.8	02:05 PM - 02:10 PM	45.7	44.3	04:45 PM - 04:50 PM	52.0	50.6			
11:30 AM - 11:35 AM	46.5	44.1	02:10 PM - 02:15 PM	45.9	44.3	04:50 PM - 04:55 PM	51.9	50.5			
11:35 AM - 11:40 AM	47.3	43.9	02:15 PM - 02:20 PM	46.4	45.0	04:55 PM - 05:00 PM	52.1	50.8			
11:40 AM - 11:45 AM	45.6	43.8	02:20 PM - 02:25 PM	45.4	44.3	05:00 PM - 05:05 PM	52.2	51.0			
11:45 AM - 11:50 AM	44.5	43.3	02:25 PM - 02:30 PM	45.3	44.2	05:05 PM - 05:10 PM	52.0	50.6			
11:50 AM - 11:55 AM	45.0	43.7	02:30 PM - 02:35 PM	46.1	44.9	05:10 PM - 05:15 PM	52.4	51.2			
11:55 AM - 12:00 PM	46.3	44.5	02:35 PM - 02:40 PM	45.8	44.6	05:15 PM - 05:20 PM	52.1	50.9			
12:00 PM - 12:05 PM	47.2	44.5	02:40 PM - 02:45 PM	48.0	43.8	05:20 PM - 05:25 PM	52.4	51.4			
12:05 PM - 12:10 PM	45.6	44.3	02:45 PM - 02:50 PM	50.2	48.9	05:25 PM - 05:30 PM	52.3	51.1			
12:10 PM - 12:15 PM	48.5	44.2	02:50 PM - 02:55 PM	52.0	49.8	05:30 PM - 05:35 PM	52.3	51.3			
12:15 PM - 12:20 PM	45.2	43.8	02:55 PM - 03:00 PM	52.3	50.8	05:35 PM - 05:40 PM	52.6	51.7			
12:20 PM - 12:25 PM	52.4	44.1	03:00 PM - 03:05 PM	52.1	50.4	05:40 PM - 05:45 PM	55.2	51.9			
12:25 PM - 12:30 PM	48.1	44.4	03:05 PM - 03:10 PM	52.1	50.8	05:45 PM - 05:50 PM	55.3	51.8			
12:30 PM - 12:35 PM	50.3	45.8	03:10 PM - 03:15 PM	52.4	51.0	05:50 PM - 05:55 PM	55.1	52.1			
12:35 PM - 12:40 PM	46.6	44.1	03:15 PM - 03:20 PM	52.3	51.2	05:55 PM - 06:00 PM	52.7	51.9			

The above results are valid only for the analysed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Sarayuht Jitranont
Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599244
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3459547-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample Number 2599244-21
Parameter Noise Level (Leq 5 min)
Location บ้านกึ่งพื้นที่นิคมและแนวชุมชนตำบลโคกสูงโครงการ ส่วนขยาย พื้นที่อุตสาหกรรมถาวร (N3) (GPS 47P 0746039, 1427094)
Measurement Date Nov 22 - Nov 23, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 920831

Nov 22, 2025		Leq	L90	Nov 22, 2025		Leq	L90	Nov 22 - Nov 23, 2025		Leq	L90
Time		dB(A)	dB(A)	Time		dB(A)	dB(A)	Time		dB(A)	dB(A)
06:00 PM - 06:05 PM	52.7	51.9	08:40 PM - 08:45 PM	54.7	53.9	11:20 PM - 11:25 PM	49.9	49.1			
06:05 PM - 06:10 PM	52.8	52.1	08:45 PM - 08:50 PM	54.6	53.9	11:25 PM - 11:30 PM	49.6	48.8			
06:10 PM - 06:15 PM	53.2	52.4	08:50 PM - 08:55 PM	54.5	53.8	11:30 PM - 11:35 PM	49.1	48.4			
06:15 PM - 06:20 PM	53.6	52.5	08:55 PM - 09:00 PM	54.9	53.8	11:35 PM - 11:40 PM	48.8	47.7			
06:20 PM - 06:25 PM	54.4	53.9	09:00 PM - 09:05 PM	54.0	53.3	11:40 PM - 11:45 PM	49.8	49.2			
06:25 PM - 06:30 PM	54.8	54.3	09:05 PM - 09:10 PM	54.5	53.7	11:45 PM - 11:50 PM	49.3	48.6			
06:30 PM - 06:35 PM	54.7	54.1	09:10 PM - 09:15 PM	54.4	53.7	11:50 PM - 11:55 PM	49.2	48.0			
06:35 PM - 06:40 PM	54.3	53.8	09:15 PM - 09:20 PM	54.2	53.3	11:55 PM - 12:00 AM	50.2	49.2			
06:40 PM - 06:45 PM	54.3	53.7	09:20 PM - 09:25 PM	52.7	50.5	12:00 AM - 12:05 AM	50.0	48.9			
06:45 PM - 06:50 PM	54.3	53.7	09:25 PM - 09:30 PM	52.9	49.2	12:05 AM - 12:10 AM	49.5	48.4			
06:50 PM - 06:55 PM	54.3	53.6	09:30 PM - 09:35 PM	53.8	52.0	12:10 AM - 12:15 AM	49.1	47.8			
06:55 PM - 07:00 PM	54.7	54.2	09:35 PM - 09:40 PM	52.5	49.6	12:15 AM - 12:20 AM	49.8	48.1			
07:00 PM - 07:05 PM	54.7	54.1	09:40 PM - 09:45 PM	50.3	48.1	12:20 AM - 12:25 AM	50.3	49.2			
07:05 PM - 07:10 PM	54.6	54.1	09:45 PM - 09:50 PM	48.5	47.3	12:25 AM - 12:30 AM	50.2	48.9			
07:10 PM - 07:15 PM	55.0	54.3	09:50 PM - 09:55 PM	48.4	47.5	12:30 AM - 12:35 AM	50.1	48.7			
07:15 PM - 07:20 PM	55.3	54.7	09:55 PM - 10:00 PM	48.5	47.5	12:35 AM - 12:40 AM	49.8	48.4			
07:20 PM - 07:25 PM	55.4	54.7	10:00 PM - 10:05 PM	49.3	48.2	12:40 AM - 12:45 AM	49.6	48.1			
07:25 PM - 07:30 PM	55.5	54.8	10:05 PM - 10:10 PM	49.8	47.7	12:45 AM - 12:50 AM	49.7	48.4			
07:30 PM - 07:35 PM	55.3	54.5	10:10 PM - 10:15 PM	51.4	48.1	12:50 AM - 12:55 AM	49.8	48.4			
07:35 PM - 07:40 PM	54.9	54.2	10:15 PM - 10:20 PM	51.7	48.1	12:55 AM - 01:00 AM	49.2	47.7			
07:40 PM - 07:45 PM	55.3	54.3	10:20 PM - 10:25 PM	49.3	48.1	01:00 AM - 01:05 AM	49.3	47.7			
07:45 PM - 07:50 PM	54.8	54.1	10:25 PM - 10:30 PM	48.3	47.5	01:05 AM - 01:10 AM	49.2	47.7			
07:50 PM - 07:55 PM	54.8	54.2	10:30 PM - 10:35 PM	48.6	47.5	01:10 AM - 01:15 AM	48.7	47.2			
07:55 PM - 08:00 PM	55.1	54.4	10:35 PM - 10:40 PM	49.0	48.1	01:15 AM - 01:20 AM	49.4	47.8			
08:00 PM - 08:05 PM	55.2	54.5	10:40 PM - 10:45 PM	48.8	47.8	01:20 AM - 01:25 AM	49.9	48.6			
08:05 PM - 08:10 PM	55.0	54.3	10:45 PM - 10:50 PM	48.6	47.9	01:25 AM - 01:30 AM	49.9	48.4			
08:10 PM - 08:15 PM	54.8	54.1	10:50 PM - 10:55 PM	49.1	48.5	01:30 AM - 01:35 AM	49.2	47.7			
08:15 PM - 08:20 PM	54.9	54.1	10:55 PM - 11:00 PM	49.5	48.9	01:35 AM - 01:40 AM	49.4	47.9			
08:20 PM - 08:25 PM	54.8	54.1	11:00 PM - 11:05 PM	49.4	48.9	01:40 AM - 01:45 AM	50.4	49.1			
08:25 PM - 08:30 PM	54.8	54.1	11:05 PM - 11:10 PM	49.7	49.2	01:45 AM - 01:50 AM	50.2	48.0			
08:30 PM - 08:35 PM	54.8	54.1	11:10 PM - 11:15 PM	49.6	48.8	01:50 AM - 01:55 AM	49.9	47.5			
08:35 PM - 08:40 PM	54.7	54.0	11:15 PM - 11:20 PM	49.3	48.6	01:55 AM - 02:00 AM	49.9	48.3			

The above results are valid only for the analysed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Sarayuht Jitranont
Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599244
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3459547-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample Number 2599244-21
Parameter Noise Level (Leq 5 min)
Location บ้านกึ่งพื้นที่นิคมและแนวชุมชนตำบลโคกสูงโครงการ ส่วนขยาย พื้นที่อุตสาหกรรมถาวร (N3) (GPS 47P 0746039, 1427094)
Measurement Date Nov 22 - Nov 23, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 920831

Nov 23, 2025		Leq	L90	Nov 23, 2025		Leq	L90	Nov 23, 2025		Leq	L90
Time		dB(A)	dB(A)	Time		dB(A)	dB(A)	Time		dB(A)	dB(A)
02:00 AM - 02:05 AM	49.2	47.4	04:40 AM - 04:45 AM	46.7	45.6	07:20 AM - 07:25 AM	44.0	42.9			
02:05 AM - 02:10 AM	49.9	47.2	04:45 AM - 04:50 AM	47.5	45.5	07:25 AM - 07:30 AM	44.1	42.9			
02:10 AM - 02:15 AM	48.9	47.1	04:50 AM - 04:55 AM	46.7	45.8	07:30 AM - 07:35 AM	43.2	42.4			
02:15 AM - 02:20 AM	48.8	47.1	04:55 AM - 05:00 AM	47.2	46.0	07:35 AM - 07:40 AM	43.6	42.6			
02:20 AM - 02:25 AM	48.6	46.7	05:00 AM - 05:05 AM	47.5	46.4	07:40 AM - 07:45 AM	42.8	42.0			
02:25 AM - 02:30 AM	48.9	47.0	05:05 AM - 05:10 AM	47.7	46.6	07:45 AM - 07:50 AM	46.8	42.3			
02:30 AM - 02:35 AM	48.6	46.7	05:10 AM - 05:15 AM	46.7	45.5	07:50 AM - 07:55 AM	43.1	41.8			
02:35 AM - 02:40 AM	48.6	46.9	05:15 AM - 05:20 AM	46.3	45.1	07:55 AM - 08:00 AM	42.8	41.9			
02:40 AM - 02:45 AM	49.2	47.5	05:20 AM - 05:25 AM	46.7	45.5	08:00 AM - 08:05 AM	43.8	42.1			
02:45 AM - 02:50 AM	49.1	47.5	05:25 AM - 05:30 AM	46.8	46.1	08:05 AM - 08:10 AM	43.7	42.1			
02:50 AM - 02:55 AM	49.0	47.4	05:30 AM - 05:35 AM	46.8	45.6	08:10 AM - 08:15 AM	43.7	42.4			
02:55 AM - 03:00 AM	48.7	47.0	05:35 AM - 05:40 AM	46.6	45.5	08:15 AM - 08:20 AM	42.9	41.6			
03:00 AM - 03:05 AM	48.6	47.1	05:40 AM - 05:45 AM	45.3	44.0	08:20 AM - 08:25 AM	42.3	41.0			
03:05 AM - 03:10 AM	48.8	47.4	05:45 AM - 05:50 AM	45.1	43.9	08:25 AM - 08:30 AM	41.3	39.9			
03:10 AM - 03:15 AM	48.9	47.4	05:50 AM - 05:55 AM	45.0	43.9	08:30 AM - 08:35 AM	41.3	39.9			
03:15 AM - 03:20 AM	48.9	47.5	05:55 AM - 06:00 AM	44.7	43.3	08:35 AM - 08:40 AM	43.5	41.5			
03:20 AM - 03:25 AM	49.0	47.6	06:00 AM - 06:05 AM	45.0	44.0	08:40 AM - 08:45 AM	43.3	42.4			
03:25 AM - 03:30 AM	49.2	47.9	06:05 AM - 06:10 AM	45.5	43.6	08:45 AM - 08:50 AM	40.5	42.0			
03:30 AM - 03:35 AM	49.0	47.7	06:10 AM - 06:15 AM	44.5	43.2	08:50 AM - 08:55 AM	40.0	41.4			
03:35 AM - 03:40 AM	48.9	47.4	06:15 AM - 06:20 AM	44.0	42.7	08:55 AM - 09:00 AM	42.7	41.0			
03:40 AM - 03:45 AM	48.8	47.6	06:20 AM - 06:25 AM	44.0	42.7	09:00 AM - 09:05 AM	44.6	41.6			
03:45 AM - 03:50 AM	48.7	47.5	06:25 AM - 06:30 AM	44.1	42.6	09:05 AM - 09:10 AM	43.1	41.1			
03:50 AM - 03:55 AM	48.6	47.5	06:30 AM - 06:35 AM	43.5	42.5	09:10 AM - 09:15 AM	53.8	41.2			
03:55 AM - 04:00 AM	48.4	47.4	06:35 AM - 06:40 AM	43.6	42.5	09:15 AM - 09:20 AM	44.2	42.3			
04:00 AM - 04:05 AM	48.5	47.4	06:40 AM - 06:45 AM	43.3	42.3	09:20 AM - 09:25 AM	43.4	41.4			
04:05 AM - 04:10 AM	47.9	46.8	06:45 AM - 06:50 AM	43.2	42.2	09:25 AM - 09:30 AM	47.9	41.9			
04:10 AM - 04:15 AM	47.8	46.8	06:50 AM - 06:55 AM	43.5	42.3	09:30 AM - 09:35 AM	44.6	40.5			
04:15 AM - 04:20 AM	47.0	45.7	06:55 AM - 07:00 AM	43.9	42.4	09:35 AM - 09:40 AM	49.5	41.6			
04:20 AM - 04:25 AM	46.8	45.9	07:00 AM - 07:05 AM	43.8	42.8	09:40 AM - 09:45 AM	43.8	41.3			
04:25 AM - 04:30 AM	47.2	46.1	07:05 AM - 07:10 AM	43.4	42.4	09:45 AM - 09:50 AM	43.5	41.4			
04:30 AM - 04:35 AM	47.3	46.2	07:10 AM - 07:15 AM	44.8	41.8	09:50 AM - 09:55 AM	43.5	41.4			
04:35 AM - 04:40 AM	47.3	46.4	07:15 AM - 07:20 AM	45.3	42.7	09:55 AM - 10:00 AM	44.2	41.6			

ภาคผนวก ค-4

ผลการตรวจวัดระดับเสียงทั่วไป (ระยะดำเนินการ)

ระดับเสียงโดยทั่วไป 24 ชั่วโมง (Leq 24 hrs.)



Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599076
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 3460939-1

Page 1 of 1

Sample Number : 2599076-1
Parameter : Noise (Leq 24 hrs.)
Location : โรงเรือนแปรรูป (ค.แม่เหล็ก) (N1) (GPS 47P 0746540, 1426059)
Measurement Date : Nov 16 - Nov 17, 2025
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 531309

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	44.0	57.1	41.3
11:00 AM - 12:00 PM	46.3	66.9	41.3
12:00 PM - 01:00 PM	44.5	63.3	41.0
01:00 PM - 02:00 PM	44.7	63.0	41.5
02:00 PM - 03:00 PM	44.6	62.3	41.5
03:00 PM - 04:00 PM	50.5	79.4	40.8
04:00 PM - 05:00 PM	44.9	67.1	41.5
05:00 PM - 06:00 PM	45.3	66.3	41.9
06:00 PM - 07:00 PM	48.9	68.3	45.7
07:00 PM - 08:00 PM	46.5	61.3	44.2
08:00 PM - 09:00 PM	46.5	59.8	43.9
09:00 PM - 10:00 PM	42.9	54.7	42.8
10:00 PM - 11:00 PM	45.3	55.7	44.0
11:00 PM - 12:00 AM	44.8	55.5	44.0
12:00 AM - 01:00 AM	44.5	56.7	43.6
01:00 AM - 02:00 AM	44.5	52.4	43.8
02:00 AM - 03:00 AM	44.6	60.4	43.6
03:00 AM - 04:00 AM	44.2	62.3	43.4
04:00 AM - 05:00 AM	44.2	62.0	43.5
05:00 AM - 06:00 AM	46.5	64.7	44.1
06:00 AM - 07:00 AM	46.9	67.5	44.0
07:00 AM - 08:00 AM	47.9	77.6	42.6
08:00 AM - 09:00 AM	46.9	66.2	41.7
09:00 AM - 10:00 AM	45.1	66.4	40.9

Leq Average 24 hrs. (dB(A))

Lmax (dB(A))

L90 (dB(A))

Ldn (dB(A))

Standard (dB(A))

Reference Method : ISO 1996-1 : 2016

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป

2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่ปลอดภัยจากผลกระทบการ

รบกวน พ.ศ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Chontichak
Chonticha Subongkloch
Scientist (3)

Approved by

Supt S
Supot Salameh
Section Head

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11558-4/U/ EMAIL

S:\Reports\Air Noise.rpt (3:44PM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599076
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 3460940-1

Page 1 of 1

Sample Number : 2599076-2
Parameter : Noise (Leq 24 hrs.)
Location : โรงเรือนแปรรูป (ค.แม่เหล็ก) (N1) (GPS 47P 0746540, 1426059)
Measurement Date : Nov 17 - Nov 18, 2025
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 531309

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	45.7	67.6	40.6
11:00 AM - 12:00 PM	46.7	62.6	42.2
12:00 PM - 01:00 PM	47.3	69.1	41.3
01:00 PM - 02:00 PM	44.6	65.6	38.4
02:00 PM - 03:00 PM	45.7	65.0	41.0
03:00 PM - 04:00 PM	48.5	68.6	43.4
04:00 PM - 05:00 PM	44.8	67.6	40.6
05:00 PM - 06:00 PM	44.9	58.8	42.3
06:00 PM - 07:00 PM	52.3	80.1	48.9
07:00 PM - 08:00 PM	51.5	66.5	47.0
08:00 PM - 09:00 PM	48.5	61.0	45.1
09:00 PM - 10:00 PM	45.4	61.6	45.0
10:00 PM - 11:00 PM	46.5	61.4	44.8
11:00 PM - 12:00 AM	47.1	54.9	45.1
12:00 AM - 01:00 AM	45.8	54.2	44.9
01:00 AM - 02:00 AM	47.1	57.7	44.2
02:00 AM - 03:00 AM	45.8	69.6	43.6
03:00 AM - 04:00 AM	44.7	55.0	44.0
04:00 AM - 05:00 AM	44.8	55.0	44.1
05:00 AM - 06:00 AM	46.9	63.0	45.1
06:00 AM - 07:00 AM	49.1	79.4	43.8
07:00 AM - 08:00 AM	46.0	66.6	42.6
08:00 AM - 09:00 AM	45.6	66.7	42.2
09:00 AM - 10:00 AM	45.2	62.9	41.5

Leq Average 24 hrs. (dB(A))

Lmax (dB(A))

L90 (dB(A))

Ldn (dB(A))

Standard (dB(A))

Reference Method : ISO 1996-1 : 2016

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป

2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่ปลอดภัยจากผลกระทบการ

รบกวน พ.ศ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Chontichak
Chonticha Subongkloch
Scientist (3)

Approved by

Supt S
Supot Salameh
Section Head

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11558-4/U/ EMAIL

S:\Reports\Air Noise.rpt (3:44PM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599076
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 3460941-1

Page 1 of 1

Sample Number : 2599076-3
Parameter : Noise (Leq 24 hrs.)
Location : โรงเรือนแปรรูป (ค.แม่เหล็ก) (N1) (GPS 47P 0746540, 1426059)
Measurement Date : Nov 18 - Nov 19, 2025
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 531309

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	46.6	62.6	42.9
11:00 AM - 12:00 PM	51.3	80.2	43.2
12:00 PM - 01:00 PM	47.1	72.0	41.3
01:00 PM - 02:00 PM	48.0	66.6	42.5
02:00 PM - 03:00 PM	46.5	68.4	40.9
03:00 PM - 04:00 PM	47.9	69.1	41.9
04:00 PM - 05:00 PM	45.6	69.7	41.7
05:00 PM - 06:00 PM	45.0	65.2	42.5
06:00 PM - 07:00 PM	46.0	62.6	44.3
07:00 PM - 08:00 PM	47.0	59.1	44.8
08:00 PM - 09:00 PM	45.5	63.3	44.5
09:00 PM - 10:00 PM	47.3	58.8	44.7
10:00 PM - 11:00 PM	45.4	61.4	44.0
11:00 PM - 12:00 AM	45.0	57.0	43.2
12:00 AM - 01:00 AM	44.4	54.2	43.2
01:00 AM - 02:00 AM	46.2	70.6	43.5
02:00 AM - 03:00 AM	49.6	67.6	47.8
03:00 AM - 04:00 AM	44.5	60.9	44.0
04:00 AM - 05:00 AM	45.3	52.6	44.8
05:00 AM - 06:00 AM	48.7	60.9	44.8
06:00 AM - 07:00 AM	54.6	68.4	45.3
07:00 AM - 08:00 AM	52.1	68.2	44.9
08:00 AM - 09:00 AM	49.1	64.7	43.9
09:00 AM - 10:00 AM	52.8	85.2	44.6

Leq Average 24 hrs. (dB(A))

Lmax (dB(A))

L90 (dB(A))

Ldn (dB(A))

Standard (dB(A))

Reference Method : ISO 1996-1 : 2016

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป

2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่ปลอดภัยจากผลกระทบการ

รบกวน พ.ศ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Chontichak
Chonticha Subongkloch
Scientist (3)

Approved by

Supt S
Supot Salameh
Section Head

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S:\Reports\Air Noise.rpt (3:45PM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599076
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 3460942-1

Page 1 of 1

Sample Number : 2599076-4
Parameter : Noise (Leq 24 hrs.)
Location : โรงเรือนแปรรูป (ค.แม่เหล็ก) (N1) (GPS 47P 0746540, 1426059)
Measurement Date : Nov 19 - Nov 20, 2025
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 531309

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	47.9	63.3	44.5
11:00 AM - 12:00 PM	49.2	68.7	44.4
12:00 PM - 01:00 PM	49.4	66.5	45.4
01:00 PM - 02:00 PM	46.5	69.7	43.4
02:00 PM - 03:00 PM	47.9	64.7	44.0
03:00 PM - 04:00 PM	47.3	65.5	42.9
04:00 PM - 05:00 PM	48.0	69.9	43.6
05:00 PM - 06:00 PM	46.4	58.8	42.9
06:00 PM - 07:00 PM	47.7	68.5	44.2
07:00 PM - 08:00 PM	49.3	61.9	44.9
08:00 PM - 09:00 PM	45.5	58.1	43.7
09:00 PM - 10:00 PM	45.0	56.4	43.6
10:00 PM - 11:00 PM	45.4	59.4	43.6
11:00 PM - 12:00 AM	45.9	61.9	43.7
12:00 AM - 01:00 AM	46.8	63.1	44.1
01:00 AM - 02:00 AM	44.8	56.1	43.1
02:00 AM - 03:00 AM	47.8	60.1	44.2
03:00 AM - 04:00 AM	45.8	70.4	43.0
04:00 AM - 05:00 AM	45.9	55.8	43.1
05:00 AM - 06:00 AM	48.9	72.5	43.2
06:00 AM - 07:00 AM	51.6	69.1	42.9
07:00 AM - 08:00 AM	50.2	81.3	44.1
08:00 AM - 09:00 AM	52.5	83.3	46.1
09:00 AM - 10:00 AM	48.9	75.4	44.3

Leq Average 24 hrs. (dB(A))

Lmax (dB(A))

L90 (dB(A))

Ldn (dB(A))

Standard (dB(A))

Reference Method : ISO 1996-1 : 2016

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป

2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่ปลอดภัยจากผลกระทบการ

รบกวน พ.ศ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Chontichak
Chonticha Subongkloch
Scientist (3)

Approved by

Supt S
Supot Salameh
Section Head

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S:\Reports\Air Noise.rpt (3:45PM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599076
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 3460943-1

Page 1 of 1

Sample Number : 2599076-5
Parameter : Noise (Leq 24 hrs.)
Location : ทรัพย์สินแม่เหล็ก (ค.แม่เหล็ก) (N1) (GPS 47P 0746540, 1426059)
Measurement Date : Nov 20 - Nov 21, 2025
Measurement by : Apichart Willars
Sound Level meter : Serial No. 531309

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	50.2	65.5	46.3
11:00 AM - 12:00 PM	49.3	69.0	45.1
12:00 PM - 01:00 PM	47.9	77.1	43.6
01:00 PM - 02:00 PM	48.3	68.3	43.5
02:00 PM - 03:00 PM	46.3	64.8	43.0
03:00 PM - 04:00 PM	50.2	75.3	43.2
04:00 PM - 05:00 PM	55.3	88.1	42.6
05:00 PM - 06:00 PM	57.3	84.6	43.1
06:00 PM - 07:00 PM	45.1	65.2	40.3
07:00 PM - 08:00 PM	46.3	62.5	44.0
08:00 PM - 09:00 PM	46.3	62.3	43.9
09:00 PM - 10:00 PM	45.4	58.2	42.6
10:00 PM - 11:00 PM	44.5	55.3	42.5
11:00 PM - 12:00 AM	44.4	55.5	42.7
12:00 AM - 01:00 AM	44.2	54.8	42.4
01:00 AM - 02:00 AM	45.3	72.2	42.8
02:00 AM - 03:00 AM	45.1	55.1	42.9
03:00 AM - 04:00 AM	46.3	55.9	43.6
04:00 AM - 05:00 AM	46.3	55.9	43.3
05:00 AM - 06:00 AM	49.0	58.3	43.7
06:00 AM - 07:00 AM	50.8	68.3	44.1
07:00 AM - 08:00 AM	50.6	69.8	46.7
08:00 AM - 09:00 AM	49.1	63.5	45.8
09:00 AM - 10:00 AM	48.3	79.4	44.6

Leq Average 24 hrs. (dB(A)) : 49.6
Lmax (dB(A)) : 88.1
L90 (dB(A)) : 43.3
Ldn (dB(A)) : 54.0
Standard (dB(A)) : 70
Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่ปลอดภัยจากการรบกวน
โดย พ.ร.บ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Chontichak
Chonticha Subongkloch
Scientist (3)

Approved by

Supt S
Supot Salameh
Section Head

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S:\Reports\Air Noise.rpt (3:45PM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599076
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 3460944-1

Page 1 of 1

Sample Number : 2599076-6
Parameter : Noise (Leq 24 hrs.)
Location : ทรัพย์สินแม่เหล็ก (ค.แม่เหล็ก) (N1) (GPS 47P 0746540, 1426059)
Measurement Date : Nov 21 - Nov 22, 2025
Measurement by : Apichart Willars
Sound Level meter : Serial No. 531309

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	48.3	69.1	45.1
11:00 AM - 12:00 PM	50.1	67.2	46.6
12:00 PM - 01:00 PM	47.7	64.9	43.6
01:00 PM - 02:00 PM	48.3	68.0	43.5
02:00 PM - 03:00 PM	47.6	70.7	43.6
03:00 PM - 04:00 PM	47.4	66.0	43.8
04:00 PM - 05:00 PM	47.6	70.0	43.9
05:00 PM - 06:00 PM	46.4	67.2	43.2
06:00 PM - 07:00 PM	45.5	64.5	43.5
07:00 PM - 08:00 PM	49.2	61.1	43.7
08:00 PM - 09:00 PM	52.4	62.1	44.1
09:00 PM - 10:00 PM	44.1	55.2	42.9
10:00 PM - 11:00 PM	44.3	53.2	43.1
11:00 PM - 12:00 AM	43.2	51.5	42.7
12:00 AM - 01:00 AM	43.9	54.3	42.6
01:00 AM - 02:00 AM	45.0	57.6	43.0
02:00 AM - 03:00 AM	45.4	55.8	43.2
03:00 AM - 04:00 AM	46.1	55.1	43.2
04:00 AM - 05:00 AM	47.4	55.1	43.2
05:00 AM - 06:00 AM	51.2	73.9	43.4
06:00 AM - 07:00 AM	50.8	66.8	42.8
07:00 AM - 08:00 AM	49.1	72.0	42.5
08:00 AM - 09:00 AM	44.1	63.3	41.0
09:00 AM - 10:00 AM	44.3	60.1	41.6

Leq Average 24 hrs. (dB(A)) : 47.8
Lmax (dB(A)) : 73.9
L90 (dB(A)) : 43.2
Ldn (dB(A)) : 53.8
Standard (dB(A)) : 70
Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่ปลอดภัยจากการรบกวน
โดย พ.ร.บ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Chontichak
Chonticha Subongkloch
Scientist (3)

Approved by

Supt S
Supot Salameh
Section Head

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S:\Reports\Air Noise.rpt (3:45PM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599076
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 3460945-1

Page 1 of 1

Sample Number : 2599076-7
Parameter : Noise (Leq 24 hrs.)
Location : ทรัพย์สินแม่เหล็ก (ค.แม่เหล็ก) (N1) (GPS 47P 0746540, 1426059)
Measurement Date : Nov 22 - Nov 23, 2025
Measurement by : Apichart Willars
Sound Level meter : Serial No. 531309

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	44.7	62.4	41.6
11:00 AM - 12:00 PM	45.2	62.2	41.9
12:00 PM - 01:00 PM	44.9	59.3	41.3
01:00 PM - 02:00 PM	44.5	60.7	41.3
02:00 PM - 03:00 PM	44.5	63.8	41.5
03:00 PM - 04:00 PM	44.5	67.0	41.3
04:00 PM - 05:00 PM	45.7	78.0	41.8
05:00 PM - 06:00 PM	46.5	76.0	42.7
06:00 PM - 07:00 PM	52.5	64.0	48.7
07:00 PM - 08:00 PM	52.1	67.5	46.9
08:00 PM - 09:00 PM	49.5	65.4	45.1
09:00 PM - 10:00 PM	45.4	58.8	43.8
10:00 PM - 11:00 PM	44.9	55.7	43.8
11:00 PM - 12:00 AM	45.1	52.6	43.7
12:00 AM - 01:00 AM	45.7	55.0	44.2
01:00 AM - 02:00 AM	46.5	55.1	44.1
02:00 AM - 03:00 AM	46.5	55.0	43.8
03:00 AM - 04:00 AM	47.2	56.0	43.4
04:00 AM - 05:00 AM	47.5	58.0	43.5
05:00 AM - 06:00 AM	47.5	72.6	43.8
06:00 AM - 07:00 AM	45.4	64.7	42.9
07:00 AM - 08:00 AM	45.3	61.7	42.8
08:00 AM - 09:00 AM	45.1	63.2	41.8
09:00 AM - 10:00 AM	45.7	62.4	43.0

Leq Average 24 hrs. (dB(A)) : 47.0
Lmax (dB(A)) : 78.0
L90 (dB(A)) : 43.0
Ldn (dB(A)) : 52.9
Standard (dB(A)) : 70
Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่ปลอดภัยจากการรบกวน
โดย พ.ร.บ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Chontichak
Chonticha Subongkloch
Scientist (3)

Approved by

Supt S
Supot Salameh
Section Head

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S:\Reports\Air Noise.rpt (3:45PM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599076
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 3460946-1

Page 1 of 1

Sample Number : 2599076-8
Parameter : Noise (Leq 24 hrs.)
Location : ทรัพย์สินแม่เหล็ก (ค.แม่เหล็ก) (N2) (GPS 47P 0747553, 1427385)
Measurement Date : Nov 16 - Nov 17, 2025
Measurement by : Apichart Willars
Sound Level meter : Serial No. 531299

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	49.1	79.4	45.0
11:00 AM - 12:00 PM	49.4	72.4	41.1
12:00 PM - 01:00 PM	48.3	64.4	41.5
01:00 PM - 02:00 PM	47.9	65.6	41.1
02:00 PM - 03:00 PM	50.5	69.2	42.5
03:00 PM - 04:00 PM	50.5	71.7	41.2
04:00 PM - 05:00 PM	49.6	68.6	42.5
05:00 PM - 06:00 PM	50.2	73.1	44.0
06:00 PM - 07:00 PM	49.9	66.4	46.7
07:00 PM - 08:00 PM	52.8	70.6	46.8
08:00 PM - 09:00 PM	49.5	65.7	44.3
09:00 PM - 10:00 PM	52.9	61.6	49.4
10:00 PM - 11:00 PM	43.2	60.8	40.1
11:00 PM - 12:00 AM	43.7	69.1	39.6
12:00 AM - 01:00 AM	43.1	68.2	39.8
01:00 AM - 02:00 AM	40.7	60.1	38.7
02:00 AM - 03:00 AM	47.1	74.1	39.8
03:00 AM - 04:00 AM	44.3	67.6	43.7
04:00 AM - 05:00 AM	43.2	58.6	40.0
05:00 AM - 06:00 AM	46.0	67.3	41.3
06:00 AM - 07:00 AM	50.5	80.6	40.8
07:00 AM - 08:00 AM	50.5	66.4	43.5
08:00 AM - 09:00 AM	49.4	62.9	44.1
09:00 AM - 10:00 AM	48.6	66.2	43.4

Leq Average 24 hrs. (dB(A)) : 49.1
Lmax (dB(A)) : 81.6
L90 (dB(A)) : 41.3
Ldn (dB(A)) : 53.1
Standard (dB(A)) : 70
Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่ปลอดภัยจากการรบกวน
โดย พ.ร.บ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Chontichak
Chonticha Subongkloch
Scientist (3)

Approved by

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Supot Salameh
Section Head

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S:\Reports\Air Noise.rpt (3:45PM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599076
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 346094-F1

Page 1 of 1

Sample Number	25990-69			
Parameter	Noise (Leq 24 hrs.)			
Location	พื้นที่บริเวณด้านข้างของอาคาร (ร. 51m)(N2) (GPS 4-P-0-4-553, 142-385)			
Measurement Date	Nov 1 - Nov 18, 2025			
Measurement by	Apichart Wilars			
Sound Level meter	Serial No. 531299			
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))	
10:00 AM f 11:00 AM	49.4	-1.5	40.6	
11:00 AM f 12:00 PM	50.0	-6.2	41.4	
12:00 PM f 01:00 PM	4-2	64.0	3-9	
01:00 PM f 02:00 PM	46.8	66.3	3-1	
02:00 PM f 03:00 PM	48.0	69.3	38.4	
03:00 PM f 04:00 PM	49.1	68.5	39.3	
04:00 PM f 05:00 PM	4-3	66.6	40.0	
05:00 PM f 06:00 PM	49.8	-1.5	42.3	
06:00 PM f 07:00 PM	51.6	-6.5	43.0	
07:00 PM f 08:00 PM	48.5	66.8	43.0	
08:00 PM f 09:00 PM	4-9	66-	42.3	
09:00 PM f 10:00 PM	44.1	-0.6	40.9	
10:00 PM f 11:00 PM	42.5	62.8	40.4	
11:00 PM f 12:00 AM	42.2	64-	40.4	
12:00 AM f 01:00 AM	46.0	-3.4	40.3	
01:00 AM f 02:00 AM	41.1	5-0	39.2	
02:00 AM f 03:00 AM	49-	-5.4	39.1	
03:00 AM f 04:00 AM	41.9	5-1	39.9	
04:00 AM f 05:00 AM	43.3	5-6	41.2	
05:00 AM f 06:00 AM	4-8	-1.9	42.2	
06:00 AM f 07:00 AM	49.2	-1.2	41.5	
07:00 AM f 08:00 AM	50.3	6-0	41.9	
08:00 AM f 09:00 AM	49.0	68.8	42.9	
09:00 AM f 10:00 AM	49.8	-4.1	44.6	
Leq Average 24 hrs. (dB(A))	48.0			
Lmax (dB(A))		-6.5		
L90 (dB(A))			40.6	
Ldn (dB(A))	53.0			
Standard (dB(A))	-0	115		
Reference Method : ISO 1996-1 : 2016				
Standard : 1. ผลการทดสอบที่ได้เปรียบเทียบกับค่ามาตรฐาน (พ.ร.บ. 2540) ที่กำหนดไว้สำหรับพื้นที่อยู่อาศัย				
2. ผลการทดสอบที่ได้เปรียบเทียบกับค่ามาตรฐาน (พ.ร.บ. 2540) ที่กำหนดไว้สำหรับพื้นที่อยู่อาศัย				
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.				

Technical Management

Chontichak
Chonticha Subongkloch
Scientist (3)

Approved by

Supt S
Supt Salameh
Section Head

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S:\Reports\Air Noise.rpt (3:46PM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599076
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 346094-F1

Page 1 of 1

Sample Number	2599076-10		
Parameter	Noise (Leq 24 hrs.)		
Location	พื้นที่บริเวณด้านข้างของอาคาร (ร. 51m)(N2) (GPS 47P 0747553, 1427385)		
Measurement Date	Nov 18 - Nov 19, 2025		
Measurement by	Apichart Wilars		
Sound Level meter	Serial No. 531299		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	49.8	71.1	42.5
11:00 AM - 12:00 PM	47.3	62.6	40.8
12:00 PM - 01:00 PM	46.9	67.9	37.9
01:00 PM - 02:00 PM	49.3	75.5	40.2
02:00 PM - 03:00 PM	51.8	78.9	39.9
03:00 PM - 04:00 PM	48.4	71.1	40.3
04:00 PM - 05:00 PM	49.5	70.7	40.7
05:00 PM - 06:00 PM	48.4	67.4	41.0
06:00 PM - 07:00 PM	48.5	69.9	43.1
07:00 PM - 08:00 PM	46.8	69.2	41.2
08:00 PM - 09:00 PM	50.1	83.5	40.3
09:00 PM - 10:00 PM	46.6	66.5	39.4
10:00 PM - 11:00 PM	49.2	73.3	39.6
11:00 PM - 12:00 AM	44.1	62.5	40.2
12:00 AM - 01:00 AM	43.7	65.1	40.8
01:00 AM - 02:00 AM	58.2	86.7	54.8
02:00 AM - 03:00 AM	62.5	87.0	59.8
03:00 AM - 04:00 AM	42.9	73.9	40.2
04:00 AM - 05:00 AM	44.7	67.7	41.9
05:00 AM - 06:00 AM	45.7	59.8	43.5
06:00 AM - 07:00 AM	48.7	67.7	42.8
07:00 AM - 08:00 AM	52.2	74.7	46.0
08:00 AM - 09:00 AM	51.3	69.8	45.7
09:00 AM - 10:00 AM	51.7	67.8	47.5
Leq Average 24 hrs. (dB(A))	52.3		
Lmax (dB(A))		87.0	
L90 (dB(A))			40.8
Ldn (dB(A))	60.8		
Standard (dB(A))	70	115	
Reference Method : ISO 1996-1 : 2016			
Standard : 1. ผลการทดสอบที่ได้เปรียบเทียบกับค่ามาตรฐาน (พ.ร.บ. 2540) ที่กำหนดไว้สำหรับพื้นที่อยู่อาศัย			
2. ผลการทดสอบที่ได้เปรียบเทียบกับค่ามาตรฐาน (พ.ร.บ. 2540) ที่กำหนดไว้สำหรับพื้นที่อยู่อาศัย			
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.			

Technical Management

Chontichak
Chonticha Subongkloch
Scientist (3)

Approved by

Supt S
Supt Salameh
Section Head

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S:\Reports\Air Noise.rpt (3:46PM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599076
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 346094-F1

Page 1 of 1

Sample Number	2599076-11		
Parameter	Noise (Leq 24 hrs.)		
Location	บริเวณด้านข้างของอาคาร (ร. 51m)(N2) (GPS 47P 0747553, 1427385)		
Measurement Date	Nov 19 - Nov 20, 2025		
Measurement by	Apichart Wilars		
Sound Level meter	Serial No. 531299		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	52.7	73.2	46.0
11:00 AM - 12:00 PM	50.9	71.0	45.3
12:00 PM - 01:00 PM	52.0	78.2	45.0
01:00 PM - 02:00 PM	53.8	76.3	45.5
02:00 PM - 03:00 PM	51.2	65.7	45.5
03:00 PM - 04:00 PM	47.8	70.3	40.8
04:00 PM - 05:00 PM	48.4	68.1	42.4
05:00 PM - 06:00 PM	50.0	70.5	42.1
06:00 PM - 07:00 PM	51.0	75.3	44.2
07:00 PM - 08:00 PM	49.5	71.4	44.5
08:00 PM - 09:00 PM	49.6	73.2	42.5
09:00 PM - 10:00 PM	46.5	70.4	42.1
10:00 PM - 11:00 PM	58.6	83.2	42.3
11:00 PM - 12:00 AM	49.3	73.4	43.4
12:00 AM - 01:00 AM	48.0	70.2	42.3
01:00 AM - 02:00 AM	44.8	61.1	39.8
02:00 AM - 03:00 AM	49.7	71.9	43.2
03:00 AM - 04:00 AM	45.7	62.6	40.8
04:00 AM - 05:00 AM	45.4	62.4	40.2
05:00 AM - 06:00 AM	44.9	72.1	40.0
06:00 AM - 07:00 AM	50.6	71.8	42.8
07:00 AM - 08:00 AM	52.8	81.2	46.7
08:00 AM - 09:00 AM	54.4	69.7	49.4
09:00 AM - 10:00 AM	50.3	73.2	44.4
Leq Average 24 hrs. (dB(A))	51.3		
Lmax (dB(A))		83.2	
L90 (dB(A))			42.8
Ldn (dB(A))	57.7		
Standard (dB(A))	70	115	
Reference Method : ISO 1996-1 : 2016			
Standard : 1. ผลการทดสอบที่ได้เปรียบเทียบกับค่ามาตรฐาน (พ.ร.บ. 2540) ที่กำหนดไว้สำหรับพื้นที่อยู่อาศัย			
2. ผลการทดสอบที่ได้เปรียบเทียบกับค่ามาตรฐาน (พ.ร.บ. 2540) ที่กำหนดไว้สำหรับพื้นที่อยู่อาศัย			
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.			

Technical Management

Chontichak
Chonticha Subongkloch
Scientist (3)

Approved by

Supt S
Supt Salameh
Section Head

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Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599076
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 346094-F1

Page 1 of 1

Sample Number	2599076-12		
Parameter	Noise (Leq 24 hrs.)		
Location	พื้นที่บริเวณด้านข้างของอาคาร (ร. 51m)(N2) (GPS 47P 0747553, 1427385)		
Measurement Date	Nov 20 - Nov 21, 2025		
Measurement by	Apichart Wilars		
Sound Level meter	Serial No. 531299		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	52.1	70.7	46.9
11:00 AM - 12:00 PM	50.4	77.4	45.3
12:00 PM - 01:00 PM	50.1	65.1	44.6
01:00 PM - 02:00 PM	49.3	68.0	43.4
02:00 PM - 03:00 PM	55.9	82.7	44.5
03:00 PM - 04:00 PM	49.9	70.7	44.3
04:00 PM - 05:00 PM	49.0	74.2	40.9
05:00 PM - 06:00 PM	49.8	68.7	44.1
06:00 PM - 07:00 PM	64.4	87.6	41.6
07:00 PM - 08:00 PM	47.0	69.1	41.1
08:00 PM - 09:00 PM	45.7	66.2	40.4
09:00 PM - 10:00 PM	44.7	70.4	38.8
10:00 PM - 11:00 PM	44.5	77.5	39.4
11:00 PM - 12:00 AM	48.4	76.6	37.7
12:00 AM - 01:00 AM	55.1	79.3	35.7
01:00 AM - 02:00 AM	39.7	61.4	36.5
02:00 AM - 03:00 AM	47.2	63.2	43.3
03:00 AM - 04:00 AM	50.0	73.5	40.9
04:00 AM - 05:00 AM	44.5	62.1	40.5
05:00 AM - 06:00 AM	46.5	72.5	42.1
06:00 AM - 07:00 AM	53.6	85.1	42.8
07:00 AM - 08:00 AM	52.8	77.1	45.8
08:00 AM - 09:00 AM	50.7	68.1	45.7
09:00 AM - 10:00 AM	52.5	79.3	43.9
Leq Average 24 hrs. (dB(A))	53.5		
Lmax (dB(A))		87.6	
L90 (dB(A))			42.1
Ldn (dB(A))	57.4		
Standard (dB(A))	70	115	
Reference Method : ISO 1996-1 : 2016			
Standard : 1. ผลการทดสอบได้เปรียบเทียบกับค่ามาตรฐาน (พ.ร.บ. 2540) ที่กำหนดไว้สำหรับพื้นที่อยู่อาศัย			
2. ผลการทดสอบได้เปรียบเทียบกับค่ามาตรฐาน (พ.ร.บ. 2540) ที่กำหนดไว้สำหรับพื้นที่อยู่อาศัย			
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.			

Technical Management

Chontichak
Chonticha Subongkloch
Scientist (3)

Approved by

Supt S
Supt Salameh
Section Head

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Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 5425023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599076
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 3460951-1

Page 1 of 1

Sample Number	2599076-13
Parameter	Noise (Leq 24 hrs.)
Location	ในพื้นที่บริเวณด้านในของอาคาร (ร. 510)(N2) (GPS 47P 0747553, 1427385)
Measurement Date	Nov 21 - Nov 22, 2025
Measurement by	Apichart Wilars
Sound Level meter	Serial No. 531299

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	49.6	68.9	43.6
11:00 AM - 12:00 PM	50.1	70.7	44.2
12:00 PM - 01:00 PM	64.3	86.1	42.9
01:00 PM - 02:00 PM	57.9	85.6	41.4
02:00 PM - 03:00 PM	50.8	81.3	41.7
03:00 PM - 04:00 PM	48.2	67.4	41.2
04:00 PM - 05:00 PM	50.2	72.9	44.1
05:00 PM - 06:00 PM	50.3	74.4	42.4
06:00 PM - 07:00 PM	49.0	81.2	41.0
07:00 PM - 08:00 PM	46.9	66.7	41.4
08:00 PM - 09:00 PM	46.8	67.4	42.3
09:00 PM - 10:00 PM	44.2	69.6	38.7
10:00 PM - 11:00 PM	44.5	69.3	37.8
11:00 PM - 12:00 AM	52.2	72.5	38.0
12:00 AM - 01:00 AM	40.1	65.7	36.7
01:00 AM - 02:00 AM	41.2	67.7	36.5
02:00 AM - 03:00 AM	39.2	55.7	37.4
03:00 AM - 04:00 AM	60.3	81.9	39.5
04:00 AM - 05:00 AM	53.5	75.9	40.1
05:00 AM - 06:00 AM	44.0	65.5	41.2
06:00 AM - 07:00 AM	54.9	85.8	40.0
07:00 AM - 08:00 AM	50.0	82.5	41.3
08:00 AM - 09:00 AM	49.3	72.9	41.7
09:00 AM - 10:00 AM	49.4	78.9	43.7

Leq Average 24 hrs. (dB(A)) 54.1
Lmax (dB(A)) 86.1
L90 (dB(A)) 41.2
Ldn (dB(A)) 59.8
Standard (dB(A)) 70
Reference Method : ISO 1996-1 : 2016
Standard : 1. เพื่อตรวจสอบการปฏิบัติตามข้อกำหนดของกฎหมายว่าด้วยการควบคุมการปล่อยเสียง
2. เพื่อตรวจสอบว่าค่าเสียงที่วัดได้ไม่เกินค่ามาตรฐานที่กำหนดไว้ในกฎหมายว่าด้วยการควบคุมการปล่อยเสียงหรือไม่
หรือ " พ.ร.บ. 2548)

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Chontichak
Chonticha Subongkloch
Scientist (3)

Approved by

Supt S
Supot Salameh
Section Head

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Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 5425023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599076
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 3460951-1

Page 1 of 1

Sample Number	2599076-14
Parameter	Noise (Leq 24 hrs.)
Location	ในพื้นที่บริเวณด้านในของอาคาร (ร. 510)(N2) (GPS 47P 0747553, 1427385)
Measurement Date	Nov 22 - Nov 23, 2025
Measurement by	Apichart Wilars
Sound Level meter	Serial No. 531299

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	50.0	77.5	43.6
11:00 AM - 12:00 PM	50.0	73.9	44.4
12:00 PM - 01:00 PM	51.2	80.9	41.4
01:00 PM - 02:00 PM	48.0	72.2	42.2
02:00 PM - 03:00 PM	48.8	69.1	41.5
03:00 PM - 04:00 PM	47.2	66.5	41.0
04:00 PM - 05:00 PM	51.2	76.4	41.0
05:00 PM - 06:00 PM	51.5	76.8	41.7
06:00 PM - 07:00 PM	49.5	75.5	41.5
07:00 PM - 08:00 PM	47.3	67.3	41.7
08:00 PM - 09:00 PM	47.1	68.6	41.2
09:00 PM - 10:00 PM	47.7	74.1	39.9
10:00 PM - 11:00 PM	46.8	70.9	38.0
11:00 PM - 12:00 AM	42.0	65.2	37.6
12:00 AM - 01:00 AM	42.4	64.1	37.8
01:00 AM - 02:00 AM	40.8	63.3	36.9
02:00 AM - 03:00 AM	38.4	57.2	35.8
03:00 AM - 04:00 AM	40.5	57.6	36.6
04:00 AM - 05:00 AM	41.8	61.9	38.7
05:00 AM - 06:00 AM	45.1	75.3	39.9
06:00 AM - 07:00 AM	50.2	73.0	40.0
07:00 AM - 08:00 AM	49.6	72.3	41.0
08:00 AM - 09:00 AM	48.9	70.2	41.9
09:00 AM - 10:00 AM	49.0	70.5	42.3

Leq Average 24 hrs. (dB(A)) 48.2
Lmax (dB(A)) 80.9
L90 (dB(A)) 41.0
Ldn (dB(A)) 52.2
Standard (dB(A)) 70
Reference Method : ISO 1996-1 : 2016
Standard : 1. เพื่อตรวจสอบการปฏิบัติตามข้อกำหนดของกฎหมายว่าด้วยการควบคุมการปล่อยเสียง
2. เพื่อตรวจสอบว่าค่าเสียงที่วัดได้ไม่เกินค่ามาตรฐานที่กำหนดไว้ในกฎหมายว่าด้วยการควบคุมการปล่อยเสียงหรือไม่
หรือ " พ.ร.บ. 2548)

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Chontichak
Chonticha Subongkloch
Scientist (3)

Approved by

Supt S
Supot Salameh
Section Head

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Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 5425023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599076
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 3460953-1

Page 1 of 1

Sample Number	2599076-15
Parameter	Noise (Leq 24 hrs.)
Location	ในพื้นที่บริเวณด้านในของอาคาร (ร. 510)(N3) (GPS 47P 0745668, 1429442)
Measurement Date	Nov 16 - Nov 17, 2025
Measurement by	Apichart Wilars
Sound Level meter	Serial No. 1120937

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	55.4	82.2	45.1
11:00 AM - 12:00 PM	54.7	78.8	43.0
12:00 PM - 01:00 PM	57.0	79.5	50.4
01:00 PM - 02:00 PM	56.4	79.9	48.2
02:00 PM - 03:00 PM	55.4	82.7	48.2
03:00 PM - 04:00 PM	57.0	83.3	47.0
04:00 PM - 05:00 PM	58.0	91.5	44.2
05:00 PM - 06:00 PM	56.9	82.5	43.4
06:00 PM - 07:00 PM	55.2	79.4	44.3
07:00 PM - 08:00 PM	52.2	73.7	44.9
08:00 PM - 09:00 PM	46.2	69.1	42.1
09:00 PM - 10:00 PM	45.2	67.8	39.6
10:00 PM - 11:00 PM	51.5	81.6	36.1
11:00 PM - 12:00 AM	45.4	70.4	35.5
12:00 AM - 01:00 AM	49.7	71.2	40.0
01:00 AM - 02:00 AM	55.5	66.5	49.1
02:00 AM - 03:00 AM	49.8	75.1	40.1
03:00 AM - 04:00 AM	51.4	72.7	39.2
04:00 AM - 05:00 AM	57.8	76.1	39.5
05:00 AM - 06:00 AM	54.5	78.4	39.5
06:00 AM - 07:00 AM	56.1	79.2	46.9
07:00 AM - 08:00 AM	55.8	77.1	49.3
08:00 AM - 09:00 AM	56.6	80.2	49.6
09:00 AM - 10:00 AM	57.2	84.7	48.7

Leq Average 24 hrs. (dB(A)) 55.1
Lmax (dB(A)) 91.5
L90 (dB(A)) 44.2
Ldn (dB(A)) 60.7
Standard (dB(A)) 70
Reference Method : ISO 1996-1 : 2016
Standard : 1. เพื่อตรวจสอบการปฏิบัติตามข้อกำหนดของกฎหมายว่าด้วยการควบคุมการปล่อยเสียง
2. เพื่อตรวจสอบว่าค่าเสียงที่วัดได้ไม่เกินค่ามาตรฐานที่กำหนดไว้ในกฎหมายว่าด้วยการควบคุมการปล่อยเสียงหรือไม่
หรือ " พ.ร.บ. 2548)

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Chontichak
Chonticha Subongkloch
Scientist (3)

Approved by

Supt S
Supot Salameh
Section Head

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S:\Reports\Air Noise.rpt (3:47PM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 5425023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599076
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 3460954-1

Page 1 of 1

Sample Number	2599076-16
Parameter	Noise (Leq 24 hrs.)
Location	ในพื้นที่บริเวณด้านในของอาคาร (ร. 510)(N3) (GPS 47P 0745668, 1429442)
Measurement Date	Nov 17 - Nov 18, 2025
Measurement by	Apichart Wilars
Sound Level meter	Serial No. 1120937

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	59.0	85.8	47.7
11:00 AM - 12:00 PM	56.4	83.8	44.6
12:00 PM - 01:00 PM	60.8	84.2	55.2
01:00 PM - 02:00 PM	55.1	75.1	49.9
02:00 PM - 03:00 PM	53.9	76.4	47.6
03:00 PM - 04:00 PM	56.7	82.6	48.8
04:00 PM - 05:00 PM	57.1	80.0	49.1
05:00 PM - 06:00 PM	60.0	86.3	47.8
06:00 PM - 07:00 PM	59.1	88.2	46.0
07:00 PM - 08:00 PM	55.2	83.3	42.2
08:00 PM - 09:00 PM	51.7	78.4	43.3
09:00 PM - 10:00 PM	49.6	72.3	38.3
10:00 PM - 11:00 PM	47.3	75.5	37.6
11:00 PM - 12:00 AM	42.5	68.8	37.2
12:00 AM - 01:00 AM	42.7	68.7	37.7
01:00 AM - 02:00 AM	49.0	82.9	44.7
02:00 AM - 03:00 AM	50.1	61.5	45.9
03:00 AM - 04:00 AM	50.0	68.8	45.3
04:00 AM - 05:00 AM	54.2	75.1	40.4
05:00 AM - 06:00 AM	54.0	80.5	42.2
06:00 AM - 07:00 AM	57.9	86.2	49.6
07:00 AM - 08:00 AM	57.4	78.8	50.4
08:00 AM - 09:00 AM	58.2	85.4	49.8
09:00 AM - 10:00 AM	60.5	92.0	50.9

Leq Average 24 hrs. (dB(A)) 56.3
Lmax (dB(A)) 92.0
L90 (dB(A)) 45.9
Ldn (dB(A)) 59.9
Standard (dB(A)) 70
Reference Method : ISO 1996-1 : 2016
Standard : 1. เพื่อตรวจสอบการปฏิบัติตามข้อกำหนดของกฎหมายว่าด้วยการควบคุมการปล่อยเสียง
2. เพื่อตรวจสอบว่าค่าเสียงที่วัดได้ไม่เกินค่ามาตรฐานที่กำหนดไว้ในกฎหมายว่าด้วยการควบคุมการปล่อยเสียงหรือไม่
หรือ " พ.ร.บ. 2548)

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Chontichak
Chonticha Subongkloch
Scientist (3)

Approved by

Supt S
Supot Salameh
Section Head

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TESTING
No.0042

Lot ID: 2599076
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 3460955-1

Page 1 of 1

Technical Management *Chontichak* Approved by *Supt S.*
 Chonticha Subongkoch
 Scientist (3) Supot Salamteah
 Section Head

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TESTING
No.0042

Lot ID: 2599076
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 346095-f1

Page 1 of 21

<p>Technical Management</p> <p style="text-align: center;"><i>Chontichak</i></p> <hr style="width: 100%;"/> <p style="text-align: center;">Chonticha Subongkoch Scientist (3)</p>	<p>Approved by</p> <p style="text-align: center;"><i>Supt S.</i></p> <hr style="width: 100%;"/> <p style="text-align: center;">Supot Salamtehd Section Head</p>
--	--

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TESTING
No.004

Lot ID: 2599076
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 3460956-1

Page 1 of 1

Technical Management 
Chontichak Subongkoch
Scientist (3)

Approved by 
Supot Salameh
Section Head

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11558-41/ FMAT

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TESTING
No.004

Lot ID: 2599076
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 3460958-1

Page 1 of 1

Technical Management Chontichak Approved by Supt S.
 Chonticha Subongkoch
 Scientist (3) Supot Salamteah
 Section Head

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Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 5425023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599076
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 3460951-1

Page 1 of 1

Sample Number	2599076-21		
Parameter	Noise (Leq 24 hrs.)		
Location	ทิวทิศน์ 5 บ้านแม่ทุ่งใหญ่ (อ.บ้านค่าย) (N4) (GPS 47P 0744782, 1428916)		
Measurement Date	Nov 22 - Nov 23, 2025		
Measurement by	Apichart Wilars		
Sound Level meter	Serial No. 1120937		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	55.7	76.0	47.8
11:00 AM - 12:00 PM	57.2	84.5	47.9
12:00 PM - 01:00 PM	55.4	77.6	50.4
01:00 PM - 02:00 PM	56.4	81.3	50.0
02:00 PM - 03:00 PM	60.5	79.5	54.7
03:00 PM - 04:00 PM	62.9	93.5	57.2
04:00 PM - 05:00 PM	57.4	80.7	49.9
05:00 PM - 06:00 PM	54.1	77.3	47.9
06:00 PM - 07:00 PM	54.9	79.5	49.6
07:00 PM - 08:00 PM	54.2	72.7	51.4
08:00 PM - 09:00 PM	53.2	71.1	50.5
09:00 PM - 10:00 PM	55.0	72.7	49.8
10:00 PM - 11:00 PM	51.4	72.4	48.3
11:00 PM - 12:00 AM	49.7	65.5	46.8
12:00 AM - 01:00 AM	52.7	78.3	49.2
01:00 AM - 02:00 AM	56.7	64.5	53.4
02:00 AM - 03:00 AM	58.7	71.4	52.7
03:00 AM - 04:00 AM	56.3	66.1	50.8
04:00 AM - 05:00 AM	57.8	78.2	46.4
05:00 AM - 06:00 AM	54.9	82.6	43.6
06:00 AM - 07:00 AM	55.0	77.6	46.2
07:00 AM - 08:00 AM	54.5	74.7	47.4
08:00 AM - 09:00 AM	56.3	77.6	50.2
09:00 AM - 10:00 AM	54.9	78.9	47.9
Leq Average 24 hrs. (dB(A))	56.6		
Lmax (dB(A))		93.5	
L90 (dB(A))			49.6
Ldn (dB(A))	62.3		
Standard (dB(A))	70	115	
Reference Method : ISO 1996-1 : 2016			
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป			
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการจราจร และระดับเสียงที่เสียจากการประกอบกิจการโรงงาน พ.ศ. 2548			
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.			

Technical Management

Chontichak
Chonticha Subongkloch
Scientist (3)

Approved by

Supt S
Supt Salameh
Section Head

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Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 5425023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599076
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 3460961-1

Page 1 of 1

Sample Number	2599076-22		
Parameter	Noise (Leq 24 hrs.)		
Location	ทิวทิศน์ 5 บ้านแม่ทุ่งใหญ่ (อ.บ้านค่าย) (N4) (GPS 47P 0744782, 1428916)		
Measurement Date	Nov 16 - Nov 17, 2025		
Measurement by	Apichart Wilars		
Sound Level meter	Serial No. 531295		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	47.8	62.6	44.9
11:00 AM - 12:00 PM	49.7	65.7	46.5
12:00 PM - 01:00 PM	48.1	66.5	44.3
01:00 PM - 02:00 PM	49.0	65.8	44.9
02:00 PM - 03:00 PM	50.2	66.4	46.4
03:00 PM - 04:00 PM	52.1	81.3	48.0
04:00 PM - 05:00 PM	49.4	69.1	46.6
05:00 PM - 06:00 PM	49.3	64.1	46.3
06:00 PM - 07:00 PM	57.2	77.1	54.1
07:00 PM - 08:00 PM	55.5	75.7	52.4
08:00 PM - 09:00 PM	55.9	73.7	51.4
09:00 PM - 10:00 PM	51.4	66.2	47.2
10:00 PM - 11:00 PM	51.2	57.6	48.8
11:00 PM - 12:00 AM	51.8	61.6	49.9
12:00 AM - 01:00 AM	50.7	60.7	48.8
01:00 AM - 02:00 AM	50.3	57.5	48.7
02:00 AM - 03:00 AM	50.5	57.0	48.9
03:00 AM - 04:00 AM	50.4	57.0	49.1
04:00 AM - 05:00 AM	49.4	54.0	48.2
05:00 AM - 06:00 AM	49.7	60.7	48.7
06:00 AM - 07:00 AM	48.9	77.5	47.4
07:00 AM - 08:00 AM	48.4	65.2	46.3
08:00 AM - 09:00 AM	51.2	69.1	47.9
09:00 AM - 10:00 AM	54.9	91.4	48.9
Leq Average 24 hrs. (dB(A))	51.8		
Lmax (dB(A))		91.4	
L90 (dB(A))			48.0
Ldn (dB(A))	57.2		
Standard (dB(A))	70	115	
Reference Method : ISO 1996-1 : 2016			
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป			
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการจราจร และระดับเสียงที่เสียจากการประกอบกิจการโรงงาน พ.ศ. 2548			
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.			

Technical Management

Chontichak
Chonticha Subongkloch
Scientist (3)

Approved by

Supt S
Supt Salameh
Section Head

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Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 5425023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599076
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 3460961-1

Page 1 of 1

Sample Number	2599076-23		
Parameter	Noise (Leq 24 hrs.)		
Location	ทิวทิศน์ 5 บ้านแม่ทุ่งใหญ่ (อ.บ้านค่าย) (N4) (GPS 47P 0744782, 1428916)		
Measurement Date	Nov 17 - Nov 18, 2025		
Measurement by	Apichart Wilars		
Sound Level meter	Serial No. 531295		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	50.8	78.0	47.7
11:00 AM - 12:00 PM	51.4	71.3	47.9
12:00 PM - 01:00 PM	48.2	65.1	44.3
01:00 PM - 02:00 PM	54.2	79.8	49.7
02:00 PM - 03:00 PM	50.5	67.0	48.6
03:00 PM - 04:00 PM	52.7	73.1	49.0
04:00 PM - 05:00 PM	48.0	67.2	46.4
05:00 PM - 06:00 PM	46.4	60.8	44.7
06:00 PM - 07:00 PM	55.1	65.1	53.8
07:00 PM - 08:00 PM	53.9	60.5	52.4
08:00 PM - 09:00 PM	53.1	63.8	51.5
09:00 PM - 10:00 PM	53.3	60.1	51.2
10:00 PM - 11:00 PM	52.9	59.7	51.2
11:00 PM - 12:00 AM	53.2	60.2	51.3
12:00 AM - 01:00 AM	52.0	59.3	50.1
01:00 AM - 02:00 AM	52.2	58.3	50.3
02:00 AM - 03:00 AM	51.9	58.4	50.3
03:00 AM - 04:00 AM	50.0	55.7	49.3
04:00 AM - 05:00 AM	49.9	58.4	49.2
05:00 AM - 06:00 AM	49.4	62.0	48.7
06:00 AM - 07:00 AM	48.6	63.4	47.5
07:00 AM - 08:00 AM	46.5	62.4	45.1
08:00 AM - 09:00 AM	53.0	78.1	47.8
09:00 AM - 10:00 AM	55.8	76.6	51.1
Leq Average 24 hrs. (dB(A))	52.1		
Lmax (dB(A))		79.8	
L90 (dB(A))			49.2
Ldn (dB(A))	58.0		
Standard (dB(A))	70	115	
Reference Method : ISO 1996-1 : 2016			
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป			
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการจราจร และระดับเสียงที่เสียจากการประกอบกิจการโรงงาน พ.ศ. 2548			
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.			

Technical Management

Chontichak
Chonticha Subongkloch
Scientist (3)

Approved by

Supt S
Supt Salameh
Section Head

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Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 5425023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599076
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 3460961-1

Page 1 of 1

Sample Number	2599076-24		
Parameter	Noise (Leq 24 hrs.)		
Location	ทิวทิศน์ 5 บ้านแม่ทุ่งใหญ่ (อ.บ้านค่าย) (N4) (GPS 47P 0744782, 1428916)		
Measurement Date	Nov 18 - Nov 19, 2025		
Measurement by	Apichart Wilars		
Sound Level meter	Serial No. 531295		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	47.8	62.6	44.9
11:00 AM - 12:00 PM	49.2	67.5	45.9
12:00 PM - 01:00 PM	44.6	59.1	43.0
01:00 PM - 02:00 PM	53.8	79.9	49.6
02:00 PM - 03:00 PM	51.2	72.2	47.9
03:00 PM - 04:00 PM	49.5	68.0	46.0
04:00 PM - 05:00 PM	48.7	68.4	46.0
05:00 PM - 06:00 PM	46.9	63.0	44.9
06:00 PM - 07:00 PM	55.1	60.8	53.3
07:00 PM - 08:00 PM	53.9	64.0	51.6
08:00 PM - 09:00 PM	51.9	63.3	50.2
09:00 PM - 10:00 PM	52.6	57.8	50.9
10:00 PM - 11:00 PM	52.6	71.2	50.5
11:00 PM - 12:00 AM	52.0	60.1	50.5
12:00 AM - 01:00 AM	53.2	62.7	51.4
01:00 AM - 02:00 AM	52.8	64.5	50.4
02:00 AM - 03:00 AM	51.3	66.4	48.9
03:00 AM - 04:00 AM	50.0	58.0	48.7
04:00 AM - 05:00 AM	49.0	55.3	48.3
05:00 AM - 06:00 AM	50.5	63.6	49.1
06:00 AM - 07:00 AM	52.5	65.7	49.8
07:00 AM - 08:00 AM	53.1	66.0	49.7
08:00 AM - 09:00 AM	57.1	81.3	52.7
09:00 AM - 10:00 AM	59.6	75.8	55.1
Leq Average 24 hrs. (dB(A))	53.7		
Lmax (dB(A))		83.5	
L90 (dB(A))			49.7
Ldn (dB(A))	58.7		
Standard (dB(A))	70	115	
Reference Method : ISO 1996-1 : 2016			
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป			
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการจราจร และระดับเสียงที่เสียจากการประกอบกิจการโรงงาน พ.ศ. 2548			
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.			

Technical Management

Chontichak
Chonticha Subongkloch
Scientist (3)

Approved by

Supt S
Supt Salameh
Section Head

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S:\Reports\Air Noise\pt (3-48PM)



Analysis / Test Report



TESTING
No.0042

Client: WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599076
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 3460963-1

Page 1 of 1

Sample Number	2599076-25
Parameter	Noise (Leq 24 hrs.)
Location	จุดวัดทาง 5 บ้านแม่เหล็กใหม่ (อ.แม่เหล็ก) (H4) (GPS 47P 0744782, 1428916)
Measurement Date	Nov 19 - Nov 20, 2025
Measurement by	Apichart Wilars
Sound Level meter	Serial No. 531295

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	57.8	75.2	55.0
11:00 AM - 12:00 PM	61.7	84.2	58.7
12:00 PM - 01:00 PM	54.8	73.6	49.9
01:00 PM - 02:00 PM	62.0	81.9	57.6
02:00 PM - 03:00 PM	62.8	83.9	59.4
03:00 PM - 04:00 PM	60.6	80.4	56.2
04:00 PM - 05:00 PM	57.9	79.2	53.5
05:00 PM - 06:00 PM	48.6	62.0	46.2
06:00 PM - 07:00 PM	54.7	70.0	52.5
07:00 PM - 08:00 PM	56.5	70.5	52.7
08:00 PM - 09:00 PM	55.6	68.6	52.7
09:00 PM - 10:00 PM	56.2	70.2	52.6
10:00 PM - 11:00 PM	51.5	61.9	49.9
11:00 PM - 12:00 AM	52.3	63.1	50.3
12:00 AM - 01:00 AM	51.8	64.6	49.7
01:00 AM - 02:00 AM	50.9	62.2	49.1
02:00 AM - 03:00 AM	51.5	65.1	49.2
03:00 AM - 04:00 AM	51.3	63.6	47.7
04:00 AM - 05:00 AM	48.9	60.5	47.1
05:00 AM - 06:00 AM	48.5	60.8	47.2
06:00 AM - 07:00 AM	48.4	58.2	46.9
07:00 AM - 08:00 AM	49.4	63.6	47.4
08:00 AM - 09:00 AM	58.1	76.5	54.5
09:00 AM - 10:00 AM	56.6	70.5	53.4
Leq Average 24 hrs. (dB(A))	56.8		
Lmax (dB(A))		84.2	
L90 (dB(A))			50.3
Ldn (dB(A))	59.5		
Standard (dB(A))	70	115	
Reference Method	: ISO 1996-1 : 2016		
Standard	: 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการจราจร และระดับเสียงที่ไลจากทางรถไฟจากทางรถไฟ โดยราช.พ.ศ. 2548		
Remark	: The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.		

Technical Management

Chontichak
Chonticha Subongkloch
Scientist (3)

Approved by

Supt S
Supt Salameh
Section Head

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S:\Reports\Air Noise\pt (3-41PM)



Analysis / Test Report



TESTING
No.0042

Client: WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599076
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 3460964-1

Page 1 of 1

Sample Number	2599076-26
Parameter	Noise (Leq 24 hrs.)
Location	จุดวัดทาง 5 บ้านแม่เหล็กใหม่ (อ.แม่เหล็ก) (H4) (GPS 47P 0744782, 1428916)
Measurement Date	Nov 20 - Nov 21, 2025
Measurement by	Apichart Wilars
Sound Level meter	Serial No. 531295

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	56.0	77.2	53.1
11:00 AM - 12:00 PM	55.9	71.3	52.7
12:00 PM - 01:00 PM	50.6	70.0	46.2
01:00 PM - 02:00 PM	56.6	75.6	53.7
02:00 PM - 03:00 PM	59.8	76.5	56.3
03:00 PM - 04:00 PM	60.3	85.4	56.7
04:00 PM - 05:00 PM	59.1	79.6	55.9
05:00 PM - 06:00 PM	49.8	69.9	46.9
06:00 PM - 07:00 PM	52.4	64.7	50.9
07:00 PM - 08:00 PM	50.7	63.3	49.3
08:00 PM - 09:00 PM	50.1	60.4	48.7
09:00 PM - 10:00 PM	48.8	55.7	47.4
10:00 PM - 11:00 PM	49.0	58.1	47.5
11:00 PM - 12:00 AM	48.6	64.3	46.9
12:00 AM - 01:00 AM	48.5	57.0	46.7
01:00 AM - 02:00 AM	48.4	54.4	46.3
02:00 AM - 03:00 AM	48.0	60.3	45.9
03:00 AM - 04:00 AM	50.0	66.5	47.5
04:00 AM - 05:00 AM	51.0	64.5	48.1
05:00 AM - 06:00 AM	52.6	68.1	49.0
06:00 AM - 07:00 AM	55.6	69.5	50.9
07:00 AM - 08:00 AM	50.6	66.1	48.0
08:00 AM - 09:00 AM	58.4	78.1	55.4
09:00 AM - 10:00 AM	59.9	83.5	56.8
Leq Average 24 hrs. (dB(A))	55.0		
Lmax (dB(A))		85.4	
L90 (dB(A))			48.7
Ldn (dB(A))	58.7		
Standard (dB(A))	70	115	
Reference Method	: ISO 1996-1 : 2016		
Standard	: 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการจราจร และระดับเสียงที่ไลจากทางรถไฟจากทางรถไฟ โดยราช.พ.ศ. 2548		
Remark	: The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.		

Technical Management

Chontichak
Chonticha Subongkloch
Scientist (3)

Approved by

Supt S
Supt Salameh
Section Head

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S:\Reports\Air Noise\pt (3-41PM)



Analysis / Test Report



TESTING
No.0042

Client: WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599076
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 3460965-1

Page 1 of 1

Sample Number	2599076-27
Parameter	Noise (Leq 24 hrs.)
Location	จุดวัดทาง 5 บ้านแม่เหล็กใหม่ (อ.แม่เหล็ก) (H4) (GPS 47P 0744782, 1428916)
Measurement Date	Nov 21 - Nov 22, 2025
Measurement by	Apichart Wilars
Sound Level meter	Serial No. 531295

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	59.3	76.7	51.2
11:00 AM - 12:00 PM	60.3	84.0	56.6
12:00 PM - 01:00 PM	53.5	79.9	47.5
01:00 PM - 02:00 PM	54.8	81.0	51.6
02:00 PM - 03:00 PM	56.1	72.0	52.3
03:00 PM - 04:00 PM	55.7	74.6	52.9
04:00 PM - 05:00 PM	57.1	78.8	53.9
05:00 PM - 06:00 PM	49.2	61.4	47.1
06:00 PM - 07:00 PM	52.1	63.7	50.6
07:00 PM - 08:00 PM	51.5	62.2	49.8
08:00 PM - 09:00 PM	52.4	77.2	50.1
09:00 PM - 10:00 PM	49.8	57.3	48.2
10:00 PM - 11:00 PM	48.9	57.2	47.3
11:00 PM - 12:00 AM	47.4	55.0	45.6
12:00 AM - 01:00 AM	47.8	55.5	46.5
01:00 AM - 02:00 AM	46.7	58.6	45.5
02:00 AM - 03:00 AM	47.4	64.3	46.0
03:00 AM - 04:00 AM	47.9	57.8	46.5
04:00 AM - 05:00 AM	47.4	62.2	46.3
05:00 AM - 06:00 AM	49.0	61.0	47.4
06:00 AM - 07:00 AM	48.7	59.0	47.4
07:00 AM - 08:00 AM	48.4	67.6	46.3
08:00 AM - 09:00 AM	57.2	77.0	53.7
09:00 AM - 10:00 AM	58.6	73.9	55.5
Leq Average 24 hrs. (dB(A))	54.2		
Lmax (dB(A))		84.0	
L90 (dB(A))			47.5
Ldn (dB(A))	56.7		
Standard (dB(A))	70	115	
Reference Method	: ISO 1996-1 : 2016		
Standard	: 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการจราจร และระดับเสียงที่ไลจากทางรถไฟจากทางรถไฟ โดยราช.พ.ศ. 2548		
Remark	: The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.		

Technical Management

Chontichak
Chonticha Subongkloch
Scientist (3)

Approved by

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Supt Salameh
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Analysis / Test Report



TESTING
No.0042

Client: WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599076
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 3460966-1

Page 1 of 1

Sample Number	2599076-28
Parameter	Noise (Leq 24 hrs.)
Location	จุดวัดทาง 5 บ้านแม่เหล็กใหม่ (อ.แม่เหล็ก) (H4) (GPS 47P 0744782, 1428916)
Measurement Date	Nov 22 - Nov 23, 2025
Measurement by	Apichart Wilars
Sound Level meter	Serial No. 531295

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	51.2	78.4	58.3
11:00 AM - 12:00 PM	59.7	83.6	56.9
12:00 PM - 01:00 PM	52.2	80.2	47.4
01:00 PM - 02:00 PM	58.5	87.0	55.4
02:00 PM - 03:00 PM	58.8	80.0	55.2
03:00 PM - 04:00 PM	58.1	82.7	54.3
04:00 PM - 05:00 PM	58.8	80.8	55.0
05:00 PM - 06:00 PM	46.8	58.8	45.1
06:00 PM - 07:00 PM	54.2	64.3	52.9
07:00 PM - 08:00 PM	52.3	60.4	50.9
08:00 PM - 09:00 PM	51.0	62.5	49.4
09:00 PM - 10:00 PM	50.1	63.8	48.6
10:00 PM - 11:00 PM	50.0	62.5	48.2
11:00 PM - 12:00 AM	49.7	57.8	47.7
12:00 AM - 01:00 AM	48.7	57.3	47.7
01:00 AM - 02:00 AM	49.1	56.7	47.0
02:00 AM - 03:00 AM	51.5	58.0	49.7
03:00 AM - 04:00 AM	48.5	56.6	49.4
04:00 AM - 05:00 AM	48.5	53.9	47.5
05:00 AM - 06:00 AM	47.3	59.2	46.4
06:00 AM - 07:00 AM	48.5	68.0	47.4
07:00 AM - 08:00 AM	46.9	63.4	45.8
08:00 AM - 09:00 AM	50.4	84.1	44.7
09:00 AM - 10:00 AM	49.6	71.7	46.6
Leq Average 24 hrs. (dB(A))	54.7		
Lmax (dB(A))		87.0	
L90 (dB(A))			48.2
Ldn (dB(A))	57.8		
Standard (dB(A))	70	115	
Reference Method	: ISO 1996-1 : 2016		
Standard	: 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการจราจร และระดับเสียงที่ไลจากทางรถไฟจากทางรถไฟ โดยราช.พ.ศ. 2548		
Remark	: The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.		

Technical Management

Chontichak
Chonticha Subongkloch
Scientist (3)

Approved by

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Supt Salameh
Section Head

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S:\Reports\Air Noise\pt (3-41PM)



Analysis / Test Report



TESTING
No.0042

Client: WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 5425023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599076
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 346096-f1

Page 1 of 1

Sample Number	25990-629		
Parameter	Noise (Leq 24 hrs.)		
Location	พื้นที่วัดเสียง (: 81.4)(NS) (GPS 4-P 0-4451-, 142--88)		
Measurement Date	Nov 16 f Nov 1-, 2025		
Measurement by	Apichart Wilars		
Sound Level meter	Serial No. 531308		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM f 11:00 AM	4-1	68.5	43.8
11:00 AM f 12:00 PM	46.5	82.4	40.1
12:00 PM f 01:00 PM	42.3	55.4	39.5
01:00 PM f 02:00 PM	42.3	59.-	39.9
02:00 PM f 03:00 PM	41.8	-2.6	38.9
03:00 PM f 04:00 PM	43.2	59.2	40.5
04:00 PM f 05:00 PM	45.9	6-4	41.3
05:00 PM f 06:00 PM	45.8	61.3	41.9
06:00 PM f 0-:00 PM	51.0	65.9	48.1
0-:00 PM f 08:00 PM	49.5	62.9	46.6
08:00 PM f 09:00 PM	4-6	56.3	45.0
09:00 PM f 10:00 PM	45.-	53.8	42.5
10:00 PM f 11:00 PM	46.1	52.9	42.9
11:00 PM f 12:00 AM	45.3	52.4	43.5
12:00 AM f 01:00 AM	44.2	52.1	42.-
01:00 AM f 02:00 AM	43.9	68.3	42.1
02:00 AM f 03:00 AM	43.1	59.3	41.4
03:00 AM f 04:00 AM	43.4	56.9	41.1
04:00 AM f 05:00 AM	45.2	54.1	43.5
05:00 AM f 06:00 AM	53.-	-3.8	43.0
06:00 AM f 0-:00 AM	45.8	65.2	43.0
0-:00 AM f 08:00 AM	44.3	59.0	41.9
08:00 AM f 09:00 AM	44.8	6-9	42.1
09:00 AM f 10:00 AM	46.4	-4.9	43.1

Leq Average 24 hrs. (dB(A)) 46.-
Lmax (dB(A)) 82.4
L90 (dB(A)) 42.1
Ldn (dB(A)) 53.5
Standard (dB(A)) -0 115
Reference Method : ISO 1996f1 : 2016
Standard : 1. ค่าเฉลี่ยเสียงรบกวน 24 ชั่วโมง (ค่าเฉลี่ยเสียงรบกวน 24 ชั่วโมง)
2. ค่าเฉลี่ยเสียงรบกวน 24 ชั่วโมง (ค่าเฉลี่ยเสียงรบกวน 24 ชั่วโมง)

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 1-025.

Technical Management

Chontichak
Chonticha Subongkloch
Scientist (3)

Approved by

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S:\Reports\Air Noise.rpt (3:41PM)



Analysis / Test Report



TESTING
No.0042

Client: WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 5425023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599076
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 346096-f1

Page 1 of 1

Sample Number

2599076-30

Parameter

Noise (Leq 24 hrs.)

Location

พื้นที่วัดเสียง (: 81.4)(NS) (GPS 4TP 0744517, 1427788)

Measurement Date

Nov 17 - Nov 18, 2025

Measurement by

Apichart Wilars

Sound Level meter

Serial No. 531308

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	47.2	70.8	42.1
11:00 AM - 12:00 PM	43.5	56.1	41.7
12:00 PM - 01:00 PM	41.5	64.4	38.7
01:00 PM - 02:00 PM	42.7	58.3	40.6
02:00 PM - 03:00 PM	46.7	68.8	41.7
03:00 PM - 04:00 PM	43.7	66.4	41.6
04:00 PM - 05:00 PM	44.1	64.0	42.1
05:00 PM - 06:00 PM	45.2	70.4	41.4
06:00 PM - 07:00 PM	50.0	75.0	47.7
07:00 PM - 08:00 PM	50.4	69.8	47.8
08:00 PM - 09:00 PM	48.2	65.1	46.8
09:00 PM - 10:00 PM	54.0	68.7	46.6
10:00 PM - 11:00 PM	46.9	61.9	45.0
11:00 PM - 12:00 AM	45.8	53.9	44.5
12:00 AM - 01:00 AM	45.4	63.7	43.9
01:00 AM - 02:00 AM	45.5	53.4	44.1
02:00 AM - 03:00 AM	44.9	65.3	43.4
03:00 AM - 04:00 AM	44.4	59.9	42.7
04:00 AM - 05:00 AM	43.5	63.5	42.0
05:00 AM - 06:00 AM	56.2	74.6	45.4
06:00 AM - 07:00 AM	45.8	59.6	43.1
07:00 AM - 08:00 AM	44.5	63.8	41.4
08:00 AM - 09:00 AM	51.4	79.5	43.2
09:00 AM - 10:00 AM	47.1	76.9	44.0

Leq Average 24 hrs. (dB(A)) 48.4
Lmax (dB(A)) 79.5
L90 (dB(A)) 43.1
Ldn (dB(A)) 55.2
Standard (dB(A)) 70 115
Reference Method : ISO 1996-1 : 2016
Standard : 1. ค่าเฉลี่ยเสียงรบกวน 24 ชั่วโมง (ค่าเฉลี่ยเสียงรบกวน 24 ชั่วโมง)
2. ค่าเฉลี่ยเสียงรบกวน 24 ชั่วโมง (ค่าเฉลี่ยเสียงรบกวน 24 ชั่วโมง)

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Chontichak
Chonticha Subongkloch
Scientist (3)

Approved by

Supt S
Supot Salamteah
Section Head

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S:\Reports\Air Noise.rpt (3:41PM)



Analysis / Test Report



TESTING
No.0042

Client: WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 5425023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599076
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 346096-f1

Page 1 of 1

Sample Number	2599076-31		
Parameter	Noise (Leq 24 hrs.)		
Location	พื้นที่วัดเสียง (: 81.4)(NS) (GPS 4TP 0744517, 1427788)		
Measurement Date	Nov 18 - Nov 19, 2025		
Measurement by	Apichart Wilars		
Sound Level meter	Serial No. 531308		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	46.6	73.5	44.3
11:00 AM - 12:00 PM	53.7	72.2	50.5
12:00 PM - 01:00 PM	43.0	61.7	39.5
01:00 PM - 02:00 PM	47.6	83.1	42.1
02:00 PM - 03:00 PM	43.3	64.6	41.6
03:00 PM - 04:00 PM	43.9	63.8	42.0
04:00 PM - 05:00 PM	45.2	61.3	42.7
05:00 PM - 06:00 PM	45.7	62.0	42.7
06:00 PM - 07:00 PM	48.0	64.6	46.2
07:00 PM - 08:00 PM	48.9	65.9	46.5
08:00 PM - 09:00 PM	46.5	58.6	45.0
09:00 PM - 10:00 PM	45.8	56.6	44.8
10:00 PM - 11:00 PM	46.1	65.5	44.5
11:00 PM - 12:00 AM	45.5	56.8	43.4
12:00 AM - 01:00 AM	43.8	54.2	42.4
01:00 AM - 02:00 AM	44.7	54.3	42.8
02:00 AM - 03:00 AM	49.8	57.3	48.2
03:00 AM - 04:00 AM	41.7	49.8	40.5
04:00 AM - 05:00 AM	43.5	63.6	41.2
05:00 AM - 06:00 AM	47.0	62.8	43.8
06:00 AM - 07:00 AM	47.3	68.9	44.4
07:00 AM - 08:00 AM	49.6	71.3	44.8
08:00 AM - 09:00 AM	50.9	74.1	45.5
09:00 AM - 10:00 AM	51.2	74.0	45.0

Leq Average 24 hrs. (dB(A)) 47.7
Lmax (dB(A)) 83.1
L90 (dB(A)) 43.8
Ldn (dB(A)) 52.9
Standard (dB(A)) 70 115
Reference Method : ISO 1996-1 : 2016
Standard : 1. ค่าเฉลี่ยเสียงรบกวน 24 ชั่วโมง (ค่าเฉลี่ยเสียงรบกวน 24 ชั่วโมง)
2. ค่าเฉลี่ยเสียงรบกวน 24 ชั่วโมง (ค่าเฉลี่ยเสียงรบกวน 24 ชั่วโมง)

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Chontichak
Chonticha Subongkloch
Scientist (3)

Approved by

Supt S
Supot Salamteah
Section Head

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Analysis / Test Report



TESTING
No.0042

Client: WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 5425023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599076
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 34609-f1

Page 1 of 1

Sample Number	25990-632		
Parameter	Noise (Leq 24 hrs.)		
Location	พื้นที่วัดเสียง (: 81.4)(NS) (GPS 4-P 0-4451-, 142--88)		
Measurement Date	Nov 19 f Nov 20, 2025		
Measurement by	Apichart Wilars		
Sound Level meter	Serial No. 531308		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM f 11:00 AM	49.3	-6.2	45.1
11:00 AM f 12:00 PM	48.-	-3.8	43.4
12:00 PM f 01:00 PM	49.-	-8.1	43.0
01:00 PM f 02:00 PM	49.5	-4.0	44.-
02:00 PM f 03:00 PM	48.5	-5.3	43.9
03:00 PM f 04:00 PM	4-6	-8.8	42.4
04:00 PM f 05:00 PM	45.2	69.-	42.-
05:00 PM f 06:00 PM	46.1	64.3	43.0
06:00 PM f 0-:00 PM	49.6	-1.-	4-2
0-:00 PM f 08:00 PM	49.-	65.5	4-1
08:00 PM f 09:00 PM	48.2	61.9	45.9
09:00 PM f 10:00 PM	4-3	62.2	45.4
10:00 PM f 11:00 PM	45.-	63.-	43.9
11:00 PM f 12:00 AM	45.2	5-9	43.-
12:00 AM f 01:00 AM	45.4	60.1	43.3
01:00 AM f 02:00 AM	44.2	62.2	42.2
02:00 AM f 03:00 AM	44.8	5-3	42.9
03:00 AM f 04:00 AM	45.6	60.2	43.3
04:00 AM f 05:00 AM	44.5	58.5	42.1
05:00 AM f 06:00 AM	46.0	68.0	42.3
06:00 AM f 0-:00 AM	45.4	62.0	42.2
0-:00 AM f 08:00 AM	45.9	60.-	42.-
08:00 AM f 09:00 AM	46.3	59.2	44.3
09:00 AM f 10:00 AM	46.9	5-2	44.9

Leq Average 24 hrs. (dB(A)) 4-3
Lmax (dB(A)) -8.8
L90 (dB(A)) 43.3
Ldn (dB(A)) 52.2
Standard (dB(A)) -0 115
Reference Method : ISO 1996f1 : 2016
Standard : 1. ค่าเฉลี่ยเสียงรบกวน 24 ชั่วโมง (ค่าเฉลี่ยเสียงรบกวน 24 ชั่วโมง)
2. ค่าเฉลี่ยเสียงรบกวน 24 ชั่วโมง (ค่าเฉลี่ยเสียงรบกวน 24 ชั่วโมง)

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 1-025.

Technical Management

Chontichak
Chonticha Subongkloch
Scientist (3)

Approved by

Supt S
Supot Salamteah
Section Head

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Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 5425023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599076
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 34609-1F1

Page 1 of 1

Sample Number	25990-6F33		
Parameter	Noise (Leq 24 hrs.)		
Location	แฟลตบดเบต 108 บี1.๗๖(N5) (GPS 4-P 0-4451-, 142--88)		
Measurement Date	Nov 20 f Nov 21, 2025		
Measurement by	Apichart Wilars		
Sound Level meter	Serial No. 531308		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM f 11:00 AM	46.-	-8.0	43.9
11:00 AM f 12:00 PM	45.3	68.1	43.2
12:00 PM f 01:00 PM	44.3	61.-	41.3
01:00 PM f 02:00 PM	45.0	68.6	42.3
02:00 PM f 03:00 PM	46.-	62.9	43.6
03:00 PM f 04:00 PM	45.2	58.2	43.2
04:00 PM f 05:00 PM	46.9	65.4	44.0
05:00 PM f 06:00 PM	45.9	65.4	43.4
06:00 PM f 0-:00 PM	48.9	-0.0	46.1
0-:00 PM f 08:00 PM	49.4	66.4	46.2
08:00 PM f 09:00 PM	45.8	60.1	43.8
09:00 PM f 10:00 PM	45.1	59.-	42.2
10:00 PM f 11:00 PM	44.0	54.8	42.3
11:00 PM f 12:00 AM	43.1	65.2	41.4
12:00 AM f 01:00 AM	43.3	48.2	41.6
01:00 AM f 02:00 AM	43.4	48.3	41.3
02:00 AM f 03:00 AM	43.-	54.5	41.6
03:00 AM f 04:00 AM	43.1	5-3	41.2
04:00 AM f 05:00 AM	42.6	56.8	41.3
05:00 AM f 06:00 AM	45.3	59.8	43.3
06:00 AM f 0-:00 AM	4-2	65.2	44.9
0-:00 AM f 08:00 AM	4-9	69.-	44.6
08:00 AM f 09:00 AM	49.-	-3.8	45.9
09:00 AM f 10:00 AM	50.3	--4	45.5

Leq Average 24 hrs. (dB(A)) 46.4
Lmax (dB(A)) -8.0
L90 (dB(A)) 43.2
Ldn (dB(A)) 51.2
Standard (dB(A)) -0 115
ReZrence Method : ISO 1996f1 : 2016
Standard : 1. ค่าเฉลี่ยต่อเนื่องของระดับเสียงเฉลี่ย 15 (พ.ท. 2540) ไม่ต่ำกว่า 55 เดซิเบลเอ
2. ค่าเฉลี่ยต่อเนื่องของระดับเสียงเฉลี่ย 15 (พ.ท. 2540) ไม่เกิน 65 เดซิเบลเอ

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 1-025.

Technical Management

Chontichak
Chonticha Subongkloch
Scientist (3)

Approved by

Supt S
Supt Salameh
Section Head

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Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 5425023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599076
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 34609-2F1

Page 1 of 1

Sample Number	25990-6F34		
Parameter	Noise (Leq 24 hrs.)		
Location	แฟลตบดเบต 108 บี1.๗๖(N5) (GPS 4-P 0-4451-, 142--88)		
Measurement Date	Nov 21 f Nov 22, 2025		
Measurement by	Apichart Wilars		
Sound Level meter	Serial No. 531308		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM f 11:00 AM	50.5	-1.9	45.3
11:00 AM f 12:00 PM	49.1	-6.9	44.3
12:00 PM f 01:00 PM	43.9	65.0	40.-
01:00 PM f 02:00 PM	45.1	63.8	42.3
02:00 PM f 03:00 PM	46.-	6-1	43.1
03:00 PM f 04:00 PM	45.5	64.6	43.0
04:00 PM f 05:00 PM	46.-	69.0	43.5
05:00 PM f 06:00 PM	46.6	68.-	43.6
06:00 PM f 0-:00 PM	49.1	6-1	46.5
0-:00 PM f 08:00 PM	49.2	-2.3	46.0
08:00 PM f 09:00 PM	45.5	58.-	43.8
09:00 PM f 10:00 PM	44.1	56.1	42.-
10:00 PM f 11:00 PM	44.6	6-8	42.6
11:00 PM f 12:00 AM	43.3	65.8	41.2
12:00 AM f 01:00 AM	42.2	59.3	40.9
01:00 AM f 02:00 AM	42.5	61.8	41.0
02:00 AM f 03:00 AM	42.8	64.8	40.6
03:00 AM f 04:00 AM	42.2	-1.1	39.-
04:00 AM f 05:00 AM	41.2	58.3	39.-
05:00 AM f 06:00 AM	42.-	62.5	40.6
06:00 AM f 0-:00 AM	44.0	58.0	41.1
0-:00 AM f 08:00 AM	48.8	69.5	43.2
08:00 AM f 09:00 AM	51.2	-3.9	44.0
09:00 AM f 10:00 AM	50.0	-1.1	43.8

Leq Average 24 hrs. (dB(A)) 46.8
Lmax (dB(A)) -6.9
L90 (dB(A)) 42.-
Ldn (dB(A)) 50.6
Standard (dB(A)) -0 115
ReZrence Method : ISO 1996f1 : 2016
Standard : 1. ค่าเฉลี่ยต่อเนื่องของระดับเสียงเฉลี่ย 15 (พ.ท. 2540) ไม่ต่ำกว่า 55 เดซิเบลเอ
2. ค่าเฉลี่ยต่อเนื่องของระดับเสียงเฉลี่ย 15 (พ.ท. 2540) ไม่เกิน 65 เดซิเบลเอ

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 1-025.

Technical Management

Chontichak
Chonticha Subongkloch
Scientist (3)

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Supt Salameh
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Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 5425023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599076
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 34609-3F1

Page 1 of 1

Sample Number	25990-6F35		
Parameter	Noise (Leq 24 hrs.)		
Location	แฟลตบดเบต 108 บี1.๗๖(N5) (GPS 4-P 0-4451-, 142--88)		
Measurement Date	Nov 22 f Nov 23, 2025		
Measurement by	Apichart Wilars		
Sound Level meter	Serial No. 531308		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM f 11:00 AM	4-5	-0.8	43.6
11:00 AM f 12:00 PM	46.5	-0.-	42.2
12:00 PM f 01:00 PM	42.1	60.9	39.6
01:00 PM f 02:00 PM	43.8	6-2	41.3
02:00 PM f 03:00 PM	44.1	66.6	41.9
03:00 PM f 04:00 PM	44.-	66.-	40.8
04:00 PM f 05:00 PM	45.1	6-2	41.5
05:00 PM f 06:00 PM	44.5	63.6	41.9
06:00 PM f 0-:00 PM	49.8	64.2	4-0
0-:00 PM f 08:00 PM	50.3	69.1	46.8
08:00 PM f 09:00 PM	4-5	62.2	45.5
09:00 PM f 10:00 PM	45.-	61.4	44.2
10:00 PM f 11:00 PM	45.0	64.0	42.-
11:00 PM f 12:00 AM	44.0	5-4	42.2
12:00 AM f 01:00 AM	43.1	59.1	41.4
01:00 AM f 02:00 AM	41.6	55.3	40.1
02:00 AM f 03:00 AM	41.4	61.0	39.5
03:00 AM f 04:00 AM	42.4	58.-	38.9
04:00 AM f 05:00 AM	44.4	58.0	39.6
05:00 AM f 06:00 AM	50.6	-2.8	40.3
06:00 AM f 0-:00 AM	44.2	58.8	41.0
0-:00 AM f 08:00 AM	44.3	60.2	41.3
08:00 AM f 09:00 AM	43.4	5-1	40.-
09:00 AM f 10:00 AM	42.3	5-3	39.9

Leq Average 24 hrs. (dB(A)) 45.8
Lmax (dB(A)) -2.8
L90 (dB(A)) 41.3
Ldn (dB(A)) 51.-
Standard (dB(A)) -0 115
ReZrence Method : ISO 1996f1 : 2016
Standard : 1. ค่าเฉลี่ยต่อเนื่องของระดับเสียงเฉลี่ย 15 (พ.ท. 2540) ไม่ต่ำกว่า 55 เดซิเบลเอ
2. ค่าเฉลี่ยต่อเนื่องของระดับเสียงเฉลี่ย 15 (พ.ท. 2540) ไม่เกิน 65 เดซิเบลเอ

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 1-025.

Technical Management

Chontichak
Chonticha Subongkloch
Scientist (3)

Approved by

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Supt Salameh
Section Head

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Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 5425023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599076
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 34609-4F1

Page 1 of 1

Sample Number25990-6F36

ParameterNoise (Leq 24 hrs.)

Locationแฟลตบดเบต 108 บี1.๗๖(N6) (GPS 4-P 0-44953, 1428691)

Measurement DateNov 16 f Nov 1-, 2025

Measurement byApichart Wilars

Sound Level meterSerial No. 531294

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM f 11:00 AM	44.6	60.1	44.-
11:00 AM f 12:00 PM	49.6	60.2	45.9
12:00 PM f 01:00 PM	51.6	64.4	46.2
01:00 PM f 02:00 PM	51.4	61.8	46.9
02:00 PM f 03:00 PM	50.5	65.5	46.6
03:00 PM f 04:00 PM	51.3	6-1	44.4
04:00 PM f 05:00 PM	48.9	69.6	46.0
05:00 PM f 06:00 PM	50.0	65.4	4-9
06:00 PM f 0-:00 PM	5-5	-2.4	53.4
0-:00 PM f 08:00 PM	53.6	65.6	50.2
08:00 PM f 09:00 PM	55.4	6-1	51.3
09:00 PM f 10:00 PM	51.5	61.6	48.2
10:00 PM f 11:00 PM	48.6	55.6	46.3
11:00 PM f 12:00 AM	49.-	59.6	4-3
12:00 AM f 01:00 AM	52.9	62.2	50.1
01:00 AM f 02:00 AM	49.9	60.0	4-8
02:00 AM f 03:00 AM	49.6	60.4	4-9
03:00 AM f 04:00 AM	48.9	55.4	4-2
04:00 AM f 05:00 AM	4-2	54.0	45.6
05:00 AM f 06:00 AM	48.2	59.0	46.6
06:00 AM f 0-:00 AM	49.5	65.-	4-3
0-:00 AM f 08:00 AM	50.3	59.2	4-9
08:00 AM f 09:00 AM	51.3	65.1	48.8
09:00 AM f 10:00 AM	52.0	63.1	49.1

Leq Average 24 hrs. (dB(A)) 51.5
Lmax (dB(A)) -2.4
L90 (dB(A)) 4-3
Ldn (dB(A)) 56.6
Standard (dB(A)) -0 115
ReZrence Method : ISO 1996f1 : 2016
Standard : 1. ค่าเฉลี่ยต่อเนื่องของระดับเสียงเฉลี่ย 15 (พ.ท. 2540) ไม่ต่ำกว่า 55 เดซิเบลเอ
2. ค่าเฉลี่ยต่อเนื่องของระดับเสียงเฉลี่ย 15 (พ.ท. 2540) ไม่เกิน 65 เดซิเบลเอ

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 1-025.

Technical Management

Chontichak
Chonticha Subongkloch
Scientist (3)

Approved by

Supt S
Supt Salameh
Section Head

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Analysis / Test Report



TESTING
No.0042

Client: WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599076
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 34609-SF1

Page 1 of 1

Sample Number 25990-6F3-
Parameter Noise (Leq 24 hrs.)
Location บริเวณถนนรถไฟที่โครงการบ้านจัดสรรพื้นที่เกษตรกรรมภาคใต้ (NB) (GPS 4 P 0-44953, 1428691)
Measurement Date Nov 1-7 Nov 18, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531294

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM f 11:00 AM	50.8	66.2	48.1
11:00 AM f 12:00 PM	50.2	68.2	4-2
12:00 PM f 01:00 PM	48.4	-6.3	45-
01:00 PM f 02:00 PM	46.1	59.8	44.3
02:00 PM f 03:00 PM	46.3	66.8	44.4
03:00 PM f 04:00 PM	49.0	65.1	4-2
04:00 PM f 05:00 PM	4-0	62.0	44.8
05:00 PM f 06:00 PM	46.1	64.8	44.0
06:00 PM f 0-:00 PM	52.0	62.6	50.1
0-:00 PM f 08:00 PM	52.1	59.6	49.1
08:00 PM f 09:00 PM	48.9	56-	4-4
09:00 PM f 10:00 PM	4-8	55.2	46.5
10:00 PM f 11:00 PM	49.0	5-3	4-5
11:00 PM f 12:00 AM	48.0	56.2	46.6
12:00 AM f 01:00 AM	50.3	61-	48.4
01:00 AM f 02:00 AM	48.8	55.2	4-0
02:00 AM f 03:00 AM	48.4	59.5	46.6
03:00 AM f 04:00 AM	4-1	56.5	45.2
04:00 AM f 05:00 AM	45.1	52.2	44.1
05:00 AM f 06:00 AM	45.6	60.2	44.1
06:00 AM f 0-:00 AM	48.3	59.1	46.6
0-:00 AM f 08:00 AM	46.5	61-	45.0
08:00 AM f 09:00 AM	49.4	63.8	4-0
09:00 AM f 10:00 AM	51.9	-1.1	48.4

Leq Average 24 hrs. (dB(A)) 48.9
Lmax (dB(A)) -6.3
L90 (dB(A)) 46.6
Ldn (dB(A)) 54-
Standard (dB(A)) -0 115
Reference Method : ISO 1996f1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เสียจากการรบกวน
โดยราช.พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 1-025.

Technical Management

Chontichak
Chonticha Subongkloch
Scientist (3)

Approved by

Supt S
Supt Salameh
Section Head

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S:\Reports\Air Noise\pt (3-43PM)



Analysis / Test Report



TESTING
No.0042

Client: WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599076
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 34609-6F1

Page 1 of 1

Sample Number 25990-6F38
Parameter Noise (Leq 24 hrs.)
Location บริเวณถนนรถไฟที่โครงการบ้านจัดสรรพื้นที่เกษตรกรรมภาคใต้ (NB) (GPS 4 P 0-44953, 1428691)
Measurement Date Nov 18 f Nov 19, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531294

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM f 11:00 AM	49.9	63.3	4-5
11:00 AM f 12:00 PM	50.0	6-6	4-0
12:00 PM f 01:00 PM	45.3	5-1	43.3
01:00 PM f 02:00 PM	4-9	6-9	44.8
02:00 PM f 03:00 PM	49-	66.2	46.3
03:00 PM f 04:00 PM	48.9	66-	46.5
04:00 PM f 05:00 PM	4-3	62.0	44.8
05:00 PM f 06:00 PM	46.4	61.3	44.6
06:00 PM f 0-:00 PM	50.9	66.0	49.3
0-:00 PM f 08:00 PM	48.9	60.1	4-:-
08:00 PM f 09:00 PM	49.6	6-9	4-6
09:00 PM f 10:00 PM	48.4	63.5	4-0
10:00 PM f 11:00 PM	49.3	62.0	4-8
11:00 PM f 12:00 AM	50.1	61.1	48.3
12:00 AM f 01:00 AM	52.2	64-	49.6
01:00 AM f 02:00 AM	52.1	64.0	48-
02:00 AM f 03:00 AM	54.4	65.4	51.5
03:00 AM f 04:00 AM	49.2	-1.1	46.5
04:00 AM f 05:00 AM	4-0	65.3	45-
05:00 AM f 06:00 AM	51.8	62.4	49.1
06:00 AM f 0-:00 AM	5-3	69.3	53.6
0-:00 AM f 08:00 AM	58.6	69.2	54.6
08:00 AM f 09:00 AM	61.3	-5.1	56.5
09:00 AM f 10:00 AM	61.6	-3.4	56.6

Leq Average 24 hrs. (dB(A)) 54.0
Lmax (dB(A)) -5.1
L90 (dB(A)) 4-6
Ldn (dB(A)) 59.3
Standard (dB(A)) -0 115
Reference Method : ISO 1996f1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เสียจากการรบกวน
โดยราช.พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 1-025.

Technical Management

Chontichak
Chonticha Subongkloch
Scientist (3)

Approved by

Supt S
Supt Salameh
Section Head

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S:\Reports\Air Noise\pt (3-43PM)



Analysis / Test Report



TESTING
No.0042

Client: WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599076
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 34609--f1

Page 1 of 1

Sample Number 25990-6F39
Parameter Noise (Leq 24 hrs.)
Location บริเวณถนนรถไฟที่โครงการบ้านจัดสรรพื้นที่เกษตรกรรมภาคใต้ (NB) (GPS 4 P 0-44953, 1428691)
Measurement Date Nov 19 f Nov 20, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531294

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM f 11:00 AM	58.1	-1.2	54.3
11:00 AM f 12:00 PM	56.1	68.2	52.1
12:00 PM f 01:00 PM	56-	-2-	51.5
01:00 PM f 02:00 PM	5-1	-5.2	52.2
02:00 PM f 03:00 PM	50.0	69.6	50-
03:00 PM f 04:00 PM	52.5	6-8	49.5
04:00 PM f 05:00 PM	51.1	66.3	48.5
05:00 PM f 06:00 PM	50.5	65.4	4-8
06:00 PM f 0-:00 PM	58.9	-2.4	54-
0-:00 PM f 08:00 PM	61.2	-4.3	5-1
08:00 PM f 09:00 PM	60.5	-1.5	55.8
09:00 PM f 10:00 PM	60.9	-2.6	55.5
10:00 PM f 11:00 PM	52.8	63.1	50.2
11:00 PM f 12:00 AM	58.1	-0-	54.0
12:00 AM f 01:00 AM	5-6	69.8	53.6
01:00 AM f 02:00 AM	53.9	65.1	50.1
02:00 AM f 03:00 AM	5-5	68.1	50.1
03:00 AM f 04:00 AM	5-:-	69.0	53-
04:00 AM f 05:00 AM	52.6	63.5	48.8
05:00 AM f 06:00 AM	50.0	65.5	4-0
06:00 AM f 0-:00 AM	49.9	58.9	4-3
0-:00 AM f 08:00 AM	51.6	65-	48.8
08:00 AM f 09:00 AM	54.0	66.6	50.8
09:00 AM f 10:00 AM	5-4	-1.6	54.0

Leq Average 24 hrs. (dB(A)) 56-
Lmax (dB(A)) -5.2
L90 (dB(A)) 51.5
Ldn (dB(A)) 62.2
Standard (dB(A)) -0 115
Reference Method : ISO 1996f1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เสียจากการรบกวน
โดยราช.พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 1-025.

Technical Management

Chontichak
Chonticha Subongkloch
Scientist (3)

Approved by

Supt S
Supt Salameh
Section Head

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Analysis / Test Report



TESTING
No.0042

Client: WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599076
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 34609-8F1

Page 1 of 1

Sample Number 25990-6F40
Parameter Noise (Leq 24 hrs.)
Location บริเวณถนนรถไฟที่โครงการบ้านจัดสรรพื้นที่เกษตรกรรมภาคใต้ (NB) (GPS 4 P 0-44953, 1428691)
Measurement Date Nov 20 f Nov 21, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531294

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM f 11:00 AM	60.1	-0.9	56-
11:00 AM f 12:00 PM	55.8	68.3	51.9
12:00 PM f 01:00 PM	52.2	63.2	48.2
01:00 PM f 02:00 PM	51.5	65.9	48.9
02:00 PM f 03:00 PM	5-0	6-2	53.4
03:00 PM f 04:00 PM	55.9	-0.8	52-
04:00 PM f 05:00 PM	52.9	66.1	50.2
05:00 PM f 06:00 PM	52.4	64.3	49.5
06:00 PM f 0-:00 PM	52-	64.5	51.1
0-:00 PM f 08:00 PM	51.2	58.5	49.6
08:00 PM f 09:00 PM	51.1	61.1	49.4
09:00 PM f 10:00 PM	50.5	58.1	48.5
10:00 PM f 11:00 PM	49.4	5-2	48.2
11:00 PM f 12:00 AM	48.4	54-	4-1
12:00 AM f 01:00 AM	48.9	59.1	48.5
01:00 AM f 02:00 AM	48.4	66.4	46.8
02:00 AM f 03:00 AM	51.5	64.2	48-
03:00 AM f 04:00 AM	56.5	6-3	52.2
04:00 AM f 05:00 AM	58.9	-2.9	55.3
05:00 AM f 06:00 AM	61.2	-4-	56.4
06:00 AM f 0-:00 AM	64.3	-6.2	60.1
0-:00 AM f 08:00 AM	56.0	66.9	52.8
08:00 AM f 09:00 AM	60.2	-1.3	56.4
09:00 AM f 10:00 AM	58.8	-5.4	55.1

Leq Average 24 hrs. (dB(A)) 56.8
Lmax (dB(A)) -6.2
L90 (dB(A)) 50.2
Ldn (dB(A)) 64.2
Standard (dB(A)) -0 115
Reference Method : ISO 1996f1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เสียจากการรบกวน
โดยราช.พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 1-025.

Technical Management

Chontichak
Chonticha Subongkloch
Scientist (3)

Approved by

Supt S
Supt Salameh
Section Head

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S:\Reports\Air Noise\pt (3-43PM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 5425023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599076
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 34609-9F1

Page 1 of 1

Sample Number : 25990-6F1
Parameter : Noise (Leq 24 hrs.)
Location : บริเวณรอบเขตพื้นที่โครงการบ้านพักและบริเวณใกล้เคียง (N6) (GPS 4 P 0-44953, 1428691)
Measurement Date : Nov 21 / Nov 22, 2025
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 531294

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	60.3	-1.-	56.8
11:00 AM - 12:00 PM	59.1	68.9	55.4
12:00 PM - 01:00 PM	51.-	64.-	4.-8
01:00 PM - 02:00 PM	51.5	-0.-	48.9
02:00 PM - 03:00 PM	52.0	64.9	49.3
03:00 PM - 04:00 PM	53.3	68.0	50.5
04:00 PM - 05:00 PM	53.5	6.-0	50.8
05:00 PM - 06:00 PM	52.6	69.4	49.1
06:00 PM - 07:00 PM	53.8	64.1	52.0
07:00 PM - 08:00 PM	55.1	69.8	52.6
08:00 PM - 09:00 PM	55.3	66.5	52.4
09:00 PM - 10:00 PM	50.9	62.0	49.2
10:00 PM - 11:00 PM	50.1	-5.-9	48.2
11:00 PM - 12:00 AM	50.5	-5.-3	48.1
12:00 AM - 01:00 AM	49.8	55.5	4.-.-
01:00 AM - 02:00 AM	49.-	58.5	4.-0
02:00 AM - 03:00 AM	4.-3	55.3	45.-
03:00 AM - 04:00 AM	49.5	-0.2	45.8
04:00 AM - 05:00 AM	4.-4	-5.-8	46.4
05:00 AM - 06:00 AM	49.8	61.3	46.9
06:00 AM - 07:00 AM	48.3	60.9	45.9
07:00 AM - 08:00 AM	49.1	59.9	46.-
08:00 AM - 09:00 AM	53.3	50.8	50.8
09:00 AM - 10:00 AM	53.1	-1.-4	50.0

Leq Average 24 hrs. (dB(A)) : 53.4
Lmax (dB(A)) : -1.-
L90 (dB(A)) : 48.9
Ldn (dB(A)) : 5.-0
Standard (dB(A)) : -0
115
Reference Method : ISO 1996f1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เสียจากการรบกวน
โดย พ.ร.บ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 1-025.

Technical Management

Chontichak
Chonticha Subongkloch
Scientist (3)

Approved by

Supt S
Supt Salameh
Section Head

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S:\Reports\Air Noise\pt (3-48PM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 5425023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599076
Date Received : Nov 24, 2025
Date Reported : Nov 28, 2025
Report Number: 3460980-1

Page 1 of 1

Sample Number : 2599076-42
Parameter : Noise (Leq 24 hrs.)
Location : บริเวณรอบเขตพื้นที่โครงการบ้านพักและบริเวณใกล้เคียง (N6) (GPS 4P 0744953, 1428691)
Measurement Date : Nov 22 - Nov 23, 2025
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 531294

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	53.9	65.2	50.7
11:00 AM - 12:00 PM	53.5	69.5	49.8
12:00 PM - 01:00 PM	51.6	73.6	46.3
01:00 PM - 02:00 PM	52.5	71.3	49.3
02:00 PM - 03:00 PM	52.4	67.6	49.4
03:00 PM - 04:00 PM	50.7	71.0	47.6
04:00 PM - 05:00 PM	50.3	70.7	47.6
05:00 PM - 06:00 PM	47.4	65.3	45.3
06:00 PM - 07:00 PM	53.2	60.8	51.7
07:00 PM - 08:00 PM	53.5	70.5	51.5
08:00 PM - 09:00 PM	51.7	61.4	49.8
09:00 PM - 10:00 PM	51.1	60.4	49.4
10:00 PM - 11:00 PM	50.2	63.4	48.2
11:00 PM - 12:00 AM	49.4	69.8	47.8
12:00 AM - 01:00 AM	48.3	59.3	46.8
01:00 AM - 02:00 AM	47.5	56.5	46.2
02:00 AM - 03:00 AM	46.5	54.4	45.0
03:00 AM - 04:00 AM	45.7	57.9	44.1
04:00 AM - 05:00 AM	45.0	55.9	43.7
05:00 AM - 06:00 AM	45.1	64.6	43.3
06:00 AM - 07:00 AM	46.3	58.3	44.8
07:00 AM - 08:00 AM	47.2	59.7	45.3
08:00 AM - 09:00 AM	50.7	73.6	47.6
09:00 AM - 10:00 AM	54.7	70.3	50.8

Leq Average 24 hrs. (dB(A)) : 50.9
Lmax (dB(A)) : 73.6
L90 (dB(A)) : 47.6
Ldn (dB(A)) : 54.9
Standard (dB(A)) : 70
115
Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เสียจากการรบกวน
โดย พ.ร.บ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Chontichak
Chonticha Subongkloch
Scientist (3)

Approved by

Supt S
Supt Salameh
Section Head

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S:\Reports\Air Noise\pt (3-48PM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599081
Date Received : SoN 24, 202v
Date Reported : SoN 28, 202v
Report Number: 34611868f

Page 1 of 1

Sample Number : 2v f 0819f
Parameter : Noise (Leq 24 hrs.)
Location : บ้านพักและพื้นที่โครงการบ้านพักและพื้นที่ใกล้เคียง (S9) (GPS 4P 0944v97, 1426v93)
Measurement Date : SoN 16 9:50h 1), 202v
Measurement by : Apichart Wilars
Sound Level meter : Serial So. v312f8

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	v6.8	8v.v	44.v
11:00 AM - 12:00 PM	v f.4	86.4	46.)
12:00 PM - 01:00 PM	4f.6	)v.4	4v.4
01:00 PM - 02:00 PM	4f.0	6f.3	4v.8
02:00 PM - 03:00 PM	48.3	)j.1	4v.2
03:00 PM - 04:00 PM	v2.)	86.8	4v.8
04:00 PM - 05:00 PM	4f. f	1j.6	46.2
05:00 PM - 06:00 PM	4f.8	68.1	46.v
06:00 PM - 07:00 PM	v1.4	6f.1	4f.0
07:00 PM - 08:00 PM	v0.3	6f.)	48.4
08:00 PM - 09:00 PM	4f.6	12.v	48.0
09:00 PM - 10:00 PM	48.0	64.f	46.6
10:00 PM - 11:00 PM	4.)8	60.)	4.)2
11:00 PM - 12:00 AM	48.2	v6.6	4.)8
12:00 AM - 01:00 AM	4f.1	13.v	4f. f
01:00 AM - 02:00 AM	48.v	6v.4	4f. f
02:00 AM - 03:00 AM	48.8	61.8	4f. f
03:00 AM - 04:00 AM	48.6	6v.6	4f.8
04:00 AM - 05:00 AM	4v.v	62.1	46.f
05:00 AM - 06:00 AM	4f. f	68.3	46.6
06:00 AM - 07:00 AM	48.6	)j.1	4v.f
07:00 AM - 08:00 AM	48.f	14.v	4v.2
08:00 AM - 09:00 AM	48.0	1j.6	4v.0
09:00 AM - 10:00 AM	v0.8	)8.0	4v.3

Leq (Average 24 hrs. (dB(A)) : v1.3
Lmax (dB(A)) : 86.8
L90 (dB(A)) : 46.6
Ldn (dB(A)) : vv.6
Standard (dB(A)) :)0
11v
Reference Method : ISO 1ff69 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 17 (พ.ศ. 2564) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เสียจากการรบกวน
โดย พ.ร.บ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 102v.

Technical Management

Chontichak
Chonticha Subongkloch
Scientist 79q

Approved by

Supt S
Supt Salameh
Section Head

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S:\Reports\Air Noise\pt (4-48PM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599081
Date Received : SoN 24, 202v
Date Reported : SoN 28, 202v
Report Number: 3461189-1

Page 1 of 1

Sample Number : 2v77081-2
Parameter : Noise (Leq 24 hrs.)
Location : บ้านพักและพื้นที่โครงการบ้านพักและพื้นที่ใกล้เคียง (S9) (GPS 49P 0944v97, 1426v93)
Measurement Date : SoN 19 - SoN 18, 202v
Measurement by : Apichart Wilars
Sound Level meter : Serial So. v312f8

Time	Leq (dB(A))	Lmax (dB(A))	L70 (dB(A))
10:00 AM - 11:00 AM	v2.0	99.1	44.0
11:00 AM - 12:00 PM	47.v	93.9	44.7
12:00 PM - 01:00 PM	48.v	68.6	46.4
01:00 PM - 02:00 PM	48.7	68.1	46.0
02:00 PM - 03:00 PM	48.6	93.4	46.3
03:00 PM - 04:00 PM	48.8	69.9	49.0
04:00 PM - 05:00 PM	47.2	90.8	46.3
05:00 PM - 06:00 PM	v0.1	90.8	49.3
06:00 PM - 09:00 PM	v3.2	82.3	48.4
09:00 PM - 08:00 PM	v0.4	6v.v	47.3
08:00 PM - 07:00 PM	47.7	67.0	47.0
07:00 PM - 10:00 PM	v0.6	96.0	47.3
10:00 PM - 11:00 PM	v1.1	91.6	47.6
11:00 PM - 12:00 AM	v0.3	62.4	47.3
12:00 AM - 01:00 AM	v0.4	69.4	47.2
01:00 AM - 02:00 AM	47.8	69.v	48.9
02:00 AM - 03:00 AM	v0.3	9v.7	48.7
03:00 AM - 04:00 AM	v0.7	91.9	48.8
04:00 AM - 05:00 AM	47.9	68.4	48.4
05:00 AM - 06:00 AM	47.1	v8.v	49.8
06:00 AM - 09:00 AM	47.9	9v.1	49.6
09:00 AM - 08:00 AM	v0.8	97.4	49.4
08:00 AM - 07:00 AM	v0.7	96.1	49.2
07:00 AM - 10:00 AM	v0.4	90.4	48.0

Leq (Average 24 hrs. (dB(A)) : v0.2
Lmax (dB(A)) : 82.3
L70 (dB(A)) : 49.8
Ldn (dB(A)) : v6.6
Standard (dB(A)) : 90
11v
Reference Method : ISO 1776-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 17 (พ.ศ. 2564) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เสียจากการรบกวน
โดย พ.ร.บ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 1902v.

Technical Management

Chontichak
Chonticha Subongkloch
Scientist (3)

Approved by

Supt S
Supt Salameh
Section Head

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TESTING
No.0042

Lot ID: 2599081
Date Received : 5/24/2023
Date Reported : 5/28/2023
Report Number: 34611889

Page 1 of 1



TESTING
No.0042

Lot ID: 2599081
Date Received : 5oN24, 202v
Date Reported : 5oN28, 202v
Report Number: 3461189-1

Page 1 of 1

Time	L ₀ 2550 Å	L _{max} 2550 Å	L90 2550 Å
10:00 AM - 11:00 AM	v1.2	11.0	48.3
11:00 AM - 12:00 PM	v0.0	18.9	41.3
12:00 PM - 01:00 PM	v2.3	6.2	48.3
01:00 PM - 02:00 PM	v1.1	14.8	48.1
02:00 PM - 03:00 PM	v0.v	6.v	41.v
03:00 PM - 04:00 PM	v4.8	6.v	46.v
04:00 PM - 0v:00 PM	48.6	63.1	46.4
0v:00 PM - 06:00 PM	48.v	69.v	46.v
06:00 PM - 07:00 PM	v0.1	68.1	48.8
07:00 PM - 08:00 PM	v1.1	61.6	49.4
08:00 PM - 09:00 PM	08.6	63.1	49.2
09:00 PM - 10:00 PM	v0.v	64.3	49.1
10:00 PM - 11:00 PM	v1.1	v7.3	48.1
11:00 PM - 12:00 AM	49.8	61.8	46.4
12:00 AM - 01:00 AM	v0.0	v9.3	48.6
01:00 AM - 02:00 AM	v0.3	v6.0	41.8
02:00 AM - 03:00 AM	v0.1	60.9	48.1
03:00 AM - 04:00 AM	v0.0	v1.1	48.1
04:00 AM - 0v:00 AM	v2.1	82.v	48.2
0v:00 AM - 06:00 AM	v0.0	11.6	41.1
06:00 AM - 07:00 AM	v0.2	v6.1	46.9
07:00 AM - 08:00 AM	49.6	13.6	46.8
08:00 AM - 09:00 AM	v2.6	v6.1	49.1
09:00 AM - 10:00 AM	v3.2	8.v1	49.3

Le/ Alerage 24 hrs. 2873q	v0.8		
Lmax 2873q		8v.1	
L90 2873q			48.2
Ldn 2873q	v).0		
Standard 2873q	j0	11v	
Reference Method : ISO 1996-1 : 2016			
Standard : 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787.			

Chontichak
Chonticha Subongkoch
Scientist 73g

Supot Salamteh
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TESTING
No. 0042

Lot ID: 2599081
Date Received : 5/24/2022
Date Reported : 5/28/2022
Report Number: 3461190-1

Page 1 of 1



TESTING
No.0042

Lot ID: 2599081
Date Received : 5oN24, 202v
Date Reported : 5oN28, 202v
Report Number: 3461191-1

Page 1 of 1

Time	Le ¹ 2850A ²	Lmax 2850A ²	L90 2850A ²
10:00 AM - 11:00 AM	v2.5	122.2	49.9
11:00 AM - 12:00 PM	v2.1	16.1	49.2
12:00 PM - 01:00 PM	v0.4	12.1	4.1)
01:00 PM - 02:00 PM	v0.4	6.1	46.4
02:00 PM - 03:00 PM	v2.2	82.0	41.0
03:00 PM - 04:00 PM	v0.8	14.8	41.3
04:00 PM - 0v:00 PM	v0.4	18.4	46.9
0v:00 PM - 06:00 PM	v2.0	11.3	48.6
06:00 PM - 01:00 PM	v0.0	69.9	41.9
01:00 PM - 08:00 PM	v0.1	v8.8	41.6
08:00 PM - 09:00 PM	48.9	11.9	46.8
09:00 PM - 10:00 PM	v0.1	82.3	46.9
10:00 PM - 11:00 PM	48.6	66.1	46.6
11:00 PM - 12:00 AM	v1.6	68.8	46.2
12:00 AM - 01:00 AM	41.6	v4.8	46.1
01:00 AM - 02:00 AM	v0.0	82.1	46.9
02:00 AM - 03:00 AM	60.0	60.2	41.0
03:00 AM - 04:00 AM	41.9	61.0	41.0
04:00 AM - 0v:00 AM	41.6	v8.2	46.3
0v:00 AM - 06:00 AM	48.2	69.0	46.1
06:00 AM - 01:00 AM	v0.4	122.2	48.6
01:00 AM - 08:00 AM	v0.1	11.1	46.9
08:00 AM - 09:00 AM	v0.9	68.1	46.2
09:00 AM - 10:00 AM	v0.2	124.4	44.9

[illegible]

Chontichak
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Scientist 73a

Supot Salamteh
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S:\Reports\ Air Noise.rpt (4:49PM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599081
Date Recd/Ntd : SoN24, 202v
Date Reported : SoN28, 202v
Report Number: 346119-1

Page 1 of 1

Sample Number	2v99081-7		
Parameter	Soise (Leq 24 hrs.)		
Location	บ้านพักที่ 121 หมู่ 3 ตำบลแม่นามคู อำเภูปุขกาแดง จังหวัดระยอง		
Measurement Date	SoN22 - SoN23, 202v		
Measurement by	Apichart Wilars		
Sound Level meter	Serial So. v31298		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	v1.3	81.3	46.3
11:00 AM - 12:00 PM	49.2	71.9	46.v
12:00 PM - 01:00 PM	48.7	67.1	46.1
01:00 PM - 02:00 PM	47.8	6v.9	46.0
02:00 PM - 03:00 PM	48.2	69.1	4v.7
03:00 PM - 04:00 PM	47.3	67.v	4v.4
04:00 PM - 0v:00 PM	47.7	66.0	46.0
0v:00 PM - 06:00 PM	v0.0	69.4	46.9
06:00 PM - 07:00 PM	49.4	68.4	48.1
07:00 PM - 08:00 PM	49.4	70.9	48.1
08:00 PM - 09:00 PM	49.v	6v.6	48.3
09:00 PM - 10:00 PM	49.2	69.8	48.0
10:00 PM - 11:00 PM	49.1	66.0	47.8
11:00 PM - 12:00 AM	48.6	68.6	47.4
12:00 AM - 01:00 AM	49.0	71.v	47.v
01:00 AM - 02:00 AM	48.8	69.8	47.v
02:00 AM - 03:00 AM	48.2	v9.3	47.1
03:00 AM - 04:00 AM	48.7	73.7	47.0
04:00 AM - 0v:00 AM	48.1	74.2	46.8
0v:00 AM - 06:00 AM	48.4	6v.3	47.1
06:00 AM - 07:00 AM	49.9	70.1	46.7
07:00 AM - 08:00 AM	v2.2	77.3	47.2
08:00 AM - 09:00 AM	v0.2	63.6	47.7
09:00 AM - 10:00 AM	v1.2	70.8	47.1
Leq A/Nverage 24 hrs. (dB(A))	49.3		
Lmax (dB(A))		81.3	
L90 (dB(A))			47.1
Ldn (dB(A))	vv.3		
Standard (dB(A))	70	11v	
Reference Method : ISO 1996-1 : 2016			
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 1v 7ก.ศ. 2v40q(เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป) 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่ปลอดภัยการรบกวนจากโรงงาน พ.ศ. 2v48			
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 1702v.			

Technical Management

Chontichak
Chonticha Subongkloch
Scientist (3)

Approved by

Supt S
Supt Salameh
Section Head

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S:\Reports\Air Noise.rpt (4:49PM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599081
Date Recd/Ntd : SoN24, 202v
Date Reported : SoN28, 202v
Report Number: 346119-1

Page 1 of 1

Sample Number	2v99081-8		
Parameter	Soise 7x6(24 hrs.)		
Location	บ้านพักที่ 121 หมู่ 3 ตำบลแม่นามคู อำเภูปุขกาแดง จังหวัดระยอง		
Measurement Date	SoN16 - SoN1G, 202v		
Measurement by	Apichart Wilars		
Sound Level meter	Serial So. 920831		
Time	Le(7dB7kq)	Lmax 7dB7kq	L90 7dB7kq
10:00 AM - 11:00 AM	46v	66.G	42.8
11:00 AM - 12:00 PM	v0.8	6v.1	43.2
12:00 PM - 01:00 PM	v0.8	80.4	41.G
01:00 PM - 02:00 PM	48.v	66.1	43.3
02:00 PM - 03:00 PM	44.0	66.2	40.G
03:00 PM - 04:00 PM	43.3	62.G	41.3
04:00 PM - 0v:00 PM	46.2	81.3	41.8
0v:00 PM - 06:00 PM	44.1	vG4	42.8
06:00 PM - 0G:00 PM	v2.v	66.G	v1.3
0G:00 PM - 08:00 PM	v1.9	62.6	v0.G
08:00 PM - 09:00 PM	v0.4	68.6	49.2
09:00 PM - 10:00 PM	46.9	v4.6	46.v
10:00 PM - 11:00 PM	48.3	68.4	4G.2
11:00 PM - 12:00 AM	v0.6	vG4	49.4
12:00 AM - 01:00 AM	49.6	v6.9	48.8
01:00 AM - 02:00 AM	v0.4	61.v	48.8
02:00 AM - 03:00 AM	49.3	v4.3	48.G
03:00 AM - 04:00 AM	48.6	v1.9	4G.9
04:00 AM - 0v:00 AM	46.v	v2.6	46.G
0v:00 AM - 06:00 AM	46.4	69.3	46.4
06:00 AM - 0G:00 AM	49.0	80.v	4v.v
0G:00 AM - 08:00 AM	44.v	vv.8	43.6
08:00 AM - 09:00 AM	43.v	v4.0	42.6
09:00 AM - 10:00 AM	49.9	69.3	43.3
Le(A/Nverage 24 hrs. 7dB7kq)	48.9		
Lmax 7dB7kq		81.3	
L90 7dB7kq			4v.v
Ldn 7dB7kq	vv.v		
Standard 7dB7kq	G0	11v	
Reference Method : ISO 1996-1 : 2016			
Standard :	1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 1v 7ก.ศ. 2v40q(เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป) 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่ปลอดภัยการรบกวนจากโรงงาน พ.ศ. 2v48		
Remark :	The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 1702v.		

Technical Management

Chontichak
Chonticha Subongkloch
Scientist 79q

Approved by

Supt S
Supt Salameh
Section Head

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Life Sciences

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S:\Reports\Air Noise.rpt (4:50PM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599081
Date Recd/Ntd : SoN24, 202v
Date Reported : SoN28, 202v
Report Number: 346119-1

Page 1 of 1

Sample Number	2v99081-9		
Parameter	Soise 7x6(24 hrs.)		
Location	บ้านพักที่ 121 หมู่ 3 ตำบลแม่นามคู อำเภูปุขกาแดง จังหวัดระยอง		
Measurement Date	SoN1G - SoN19, 202v		
Measurement by	Apichart Wilars		
Sound Level meter	Serial So. 920831		
Time	Le(7dB7kq)	Lmax 7dB7kq	L90 7dB7kq
10:00 AM - 11:00 AM	46.1	G4.3	41.v
11:00 AM - 12:00 PM	43.G	v9.3	41.6
12:00 PM - 01:00 PM	42.3	66.G	40.0
01:00 PM - 02:00 PM	43.4	63.v	41.v
02:00 PM - 03:00 PM	4v.2	G0.4	42.6
03:00 PM - 04:00 PM	4v.1	G3.9	42.9
04:00 PM - 0v:00 PM	46.6	62.9	42.9
0v:00 PM - 06:00 PM	4v.9	vG3	44.v
06:00 PM - 0G:00 PM	v1.v	vG8	v0.v
0G:00 PM - 08:00 PM	v2.G	v6.v	v1.8
08:00 PM - 09:00 PM	v3.0	G1.3	v2.1
09:00 PM - 10:00 PM	v4.8	vG8	v4.3
10:00 PM - 11:00 PM	v1.0	63.G	v0.1
11:00 PM - 12:00 AM	v0.6	62.G	49.6
12:00 AM - 01:00 AM	v0.1	v3.G	49.4
01:00 AM - 02:00 AM	v2.0	v6.4	v1.0
02:00 AM - 03:00 AM	v1.9	62.2	v0.G
03:00 AM - 04:00 AM	v1.9	v6.9	v0.9
04:00 AM - 0v:00 AM	v0.9	vv.2	49.6
0v:00 AM - 06:00 AM	v0.1	v6.1	48.4
06:00 AM - 0G:00 AM	4Gv	6G.1	46.2
0G:00 AM - 08:00 AM	4Gv	44.G	44.G
08:00 AM - 09:00 AM	4v.1	v6.6	42.9
09:00 AM - 10:00 AM	4v.1	v9.8	43.0
Le(A/Nverage 24 hrs. 7dB7kq)	49.8		
Lmax 7dB7kq		G.v.v	
L90 7dB7kq			46.2
Ldn 7dB7kq	vG0		
Standard 7dB7kq	G0	11v	
Reference Method : ISO 1996-1 : 2016			
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 1v 7ก.ศ. 2v40q(เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป) 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่ปลอดภัยการรบกวนจากโรงงาน พ.ศ. 2v48			
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 1702v.			

Technical Management

Chontichak
Chonticha Subongkloch
Scientist 79q

Approved by

Supt S
Supt Salameh
Section Head

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11v8t4U/ EMAIL

S:\Reports\Air Noise.rpt (4:50PM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599081
Date Recd/Ntd : SoN24, 202v
Date Reported : SoN28, 202v
Report Number: 346119-1

Page 1 of 1

Sample Number	2v99081-10		
Parameter	Soise 7x6(24 hrs.)		
Location	บ้านพักที่ 121 หมู่ 3 ตำบลแม่นามคู อำเภูปุขกาแดง จังหวัดระยอง		
Measurement Date	SoN18 - SoN19, 202v		
Measurement by	Apichart Wilars		
Sound Level meter	Serial So. 920831		
Time	Le(7dB7kq)	Lmax 7dB7kq	L90 7dB7kq
10:00 AM - 11:00 AM	43.G	62.8	41.8
11:00 AM - 12:00 PM	42.9	v9.8	41.G
12:00 PM - 01:00 PM	42.9	62.4	41.0
01:00 PM - 02:00 PM	46.G	G2.0	43.2
02:00 PM - 03:00 PM	v0.1	81.3	41.4
03:00 PM - 04:00 PM	46.2	G8.v	42.0
04:00 PM - 0v:00 PM	46.0	Gv.3	42.8
0v:00 PM - 06:00 PM	4v.4	6v.1	44.3
06:00 PM - 0G:00 PM	v1.4	v8.2	49.G
0G:00 PM - 08:00 PM	v2.3	v9.G	v1.3
08:00 PM - 09:00 PM	v3.1	69.3	v1.1
09:00 PM - 10:00 PM	v2.9	6G.0	v0.G
10:00 PM - 11:00 PM	v4.4	6G.0	v3.1
11:00 PM - 12:00 AM	vv.6	61.2	v3.9
12:00 AM - 01:00 AM	49.1	vv.2	46.9
01:00 AM - 02:00 AM	v1.1	60.3	48.9
02:00 AM - 03:00 AM	v4.6	6v.4	v3.2
03:00 AM - 04:00 AM	v0.3	vv.3	49.G
04:00 AM - 0v:00 AM	48.v	v8.4	48.9
0v:00 AM - 06:00 AM	49.9	v6.1	49.2
06:00 AM - 0G:00 AM	49.4	63.8	48.v
0G:00 AM - 08:00 AM	48.6	vG.9	46.2
08:00 AM - 09:00 AM	42.9	60.2	44.9
09:00 AM - 10:00 AM	48.G	vG3	46.2
Le(A/Nverage 24 hrs. 7dB7kq)	v0.6		
Lmax 7dB7kq		81.3	
L90 7dB7kq			4G.9
Ldn 7dB7kq	v8.4		
Standard 7dB7kq	G0	11v	
Reference Method : ISO 1996-1 : 2016			
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 1v 7ก.ศ. 2v40q(เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป) 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่ปลอดภัยการรบกวนจาก โรงงาน พ.ศ. 2v48			
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 1702v.			

Technical Management

Chontichak
Chonticha Subongkloch
Scientist 79q

Approved by

Supt S
Supt Salameh
Section Head

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S:\Reports\Air Noise.rpt (4:50PM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phakdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599081
Date Recd/Ntd : SoN24, 202v
Date Reported : SoN28, 202v
Report Sumbser: 3461196-1

Page 1 of 1

Sample Number : 2v99081-11
Parameter : Soise 7x(24 hrs.)
Location : บ้านพักที่ 11 ซอยและแนวถนนด้านทิศตะวันตกของโครงการ ส่วนขวา ที่หมู่ 3 ตำบลนาพาหาร 758/7 PS 4GP 0G46039, 143Q094g
Measurement Date : SoN19 - 5oN20, 202v
Measurement by : Apichart Wilars
Sound Level meter : Serial So. 920831

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	v0.4	GB.G	44.9
11:00 AM - 12:00 PM	44.6	vv.1	42.8
12:00 PM - 01:00 PM	49.9	GB.1	43.6
01:00 PM - 02:00 PM	46.8	61.1	43.4
02:00 PM - 03:00 PM	46.2	GB.4	42.4
03:00 PM - 04:00 PM	44.6	GB.4	42.1
04:00 PM - 0v:00 PM	4v.2	GG.G	43.2
0v:00 PM - 06:00 PM	46.8	62.9	4v.3
06:00 PM - 0Q:00 PM	v4.v	GG.9	v1.v
0Q:00 PM - 08:00 PM	v3.0	61.2	v1.2
08:00 PM - 09:00 PM	v2.1	v8.9	v0.v
09:00 PM - 10:00 PM	v2.4	69.6	v0.3
10:00 PM - 11:00 PM	v2.2	v8.3	v0.2
11:00 PM - 12:00 AM	v3.4	v9.3	49.6
12:00 AM - 01:00 AM	v2.2	v8.3	49.1
01:00 AM - 02:00 AM	v1.0	vG.6	48.6
02:00 AM - 03:00 AM	v0.8	49.3	48.8
03:00 AM - 04:00 AM	49.8	v6.v	48.8
04:00 AM - 0v:00 AM	49.6	v8.4	48.v
0v:00 AM - 06:00 AM	48.v	v4.G	46.6
06:00 AM - 0Q:00 AM	46.6	Q0.8	44.G
0Q:00 AM - 08:00 AM	4v.9	GL.6	43.G
08:00 AM - 09:00 AM	49.1	GB.v	4v.v
09:00 AM - 10:00 AM	48.4	GL.G	4v.8

Leq (A)verage 24 hrs. 7x24h

Lmax 7x24h

L90 7x24h

Ldn 7x24h

Standard 7x24h

Q0

Reference Method : ISO 1996-1 : 2016

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 1v พ.ศ. 2v40q เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป

2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการจราจร และระดับเสียงที่เกิดจากการประกอบกิจการ

โรงงาน พ.ศ. 2v48

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 1QD2v.

Technical Management

Chontichak

Chonticha Subongkloch
Scientist 73q

Approved by

Supt S

Supt Salameh
Section Head

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S:\Reports\Air Noise\pt (4.50PM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phakdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599081
Date Recd/Ntd : SoN24, 202v
Date Reported : SoN28, 202v
Report Sumbser: 346119-1

Page 1 of 1

Sample Number : 2v99081f12
Parameter : Soise 7x(24 hrs.)
Location : บ้านพักที่ 12 ซอยและแนวถนนด้านทิศตะวันตกของโครงการ ส่วนขวา ที่หมู่ 3 ตำบลนาพาหาร (58) (GPS 4-P 0-46039, 142-094)
Measurement Date : SoN20 5oN21, 202v
Measurement by : Apichart Wilars
Sound Level meter : Serial So. 920831

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM f 11:00 AM	4-1	61.9	44.6
11:00 AM f 12:00 PM	4-0	-4.2	44.3
12:00 PM f 01:00 PM	44-	v8.9	43.1
01:00 PM f 02:00 PM	49.6	-9.0	43.1
02:00 PM f 03:00 PM	4-3	-3.9	44.v
03:00 PM f 04:00 PM	4-9	-0.6	4v.0
04:00 PM f 0v:00 PM	4-3	69.4	44.6
0v:00 PM f 06:00 PM	46.1	v-.-	44.9
06:00 PM f 0-:00 PM	v1.8	62.-	49.2
0-:00 PM f 08:00 PM	v1.-	v-.-	48.v
08:00 PM f 09:00 PM	v0.v	60.4	48.0
09:00 PM f 10:00 PM	v0.v	4-.-	4-.-
10:00 PM f 11:00 PM	49.8	v-.-	4-.-
11:00 PM f 12:00 AM	v0.1	vv.2	4-.-
12:00 AM f 01:00 AM	48.6	v6.4	46.-
01:00 AM f 02:00 AM	48.8	v4.8	4-.-
02:00 AM f 03:00 AM	49.4	v8.2	48.0
03:00 AM f 04:00 AM	v1.1	v9.3	49.-
04:00 AM f 0v:00 AM	48.9	v8.4	48.8
0v:00 AM f 06:00 AM	v0.6	-1.4	49.2
06:00 AM f 0-:00 AM	4-9	v-.-	46.3
0-:00 AM f 08:00 AM	4-9	v8.0	4v.v
08:00 AM f 09:00 AM	4-.-	v8.1	48.1
09:00 AM f 10:00 AM	4-.-	63.1	4v.v

Leq (A)verage 24 hrs. (dB(A))

Lmax (dB(A))

L90 (dB(A))

Ldn (dB(A))

Standard (dB(A))

-0

Reference Method : ISO 1996f1 : 2016

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 1v พ.ศ. 2v40q เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป

2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการจราจร และระดับเสียงที่เกิดจากการประกอบกิจการ

โรงงาน พ.ศ. 2v48

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 1-02v.

Technical Management

Chontichak

Chonticha Subongkloch
Scientist (3)

Approved by

Supt S

Supt Salameh
Section Head

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S:\Reports\Air Noise\pt (4.50PM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phakdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599081
Date Recd/Ntd : SoN24, 202v
Date Reported : SoN28, 202v
Report Sumbser: 3461198-1

Page 1 of 1

Sample Number : 2v99081-13
Parameter : Soise 7x(24 hrs.)
Location : บ้านพักที่ 13 ซอยและแนวถนนด้านทิศตะวันตกของโครงการ ส่วนขวา ที่หมู่ 3 ตำบลนาพาหาร 758/7 PS 4GP 0G46039, 143Q094g
Measurement Date : SoN21 - 5oN22, 202v
Measurement by : Apichart Wilars
Sound Level meter : Serial So. 920831

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	v8.4	GG.6	v3.2
11:00 AM - 12:00 PM	4G.6	v9.3	4v.2
12:00 PM - 01:00 PM	44.8	v9.v	42.G
01:00 PM - 02:00 PM	44.4	vv.6	42.G
02:00 PM - 03:00 PM	4v.6	v4.3	43.9
03:00 PM - 04:00 PM	46.8	GG.3	4v.G
04:00 PM - 0v:00 PM	4G.9	v4.G	46.6
0v:00 PM - 06:00 PM	46.4	vG.9	46.2
06:00 PM - 0Q:00 PM	v3.0	63.9	v0.3
0Q:00 PM - 08:00 PM	v1.8	vG.G	49.4
08:00 PM - 09:00 PM	v1.2	v6.6	49.2
09:00 PM - 10:00 PM	v0.2	60.2	49.2
10:00 PM - 11:00 PM	v2.v	GB.4	49.4
11:00 PM - 12:00 AM	49.8	v8.9	48.4
12:00 AM - 01:00 AM	49.8	vv.1	48.v
01:00 AM - 02:00 AM	49.v	v4.G	48.2
02:00 AM - 03:00 AM	48.9	v6.6	48.9
03:00 AM - 04:00 AM	49.G	v8.G	48.6
04:00 AM - 0v:00 AM	49.3	v6.0	48.0
0v:00 AM - 06:00 AM	49.8	v8.3	46.6
06:00 AM - 0Q:00 AM	46.4	v6.6	44.1
0Q:00 AM - 08:00 AM	46.2	6v.1	43.3
08:00 AM - 09:00 AM	4G.v	vG.4	46.0
09:00 AM - 10:00 AM	46.6	GL.3	44.8

Leq (A)verage 24 hrs. 7x24h

Lmax 7x24h

L90 7x24h

Ldn 7x24h

Standard 7x24h

Q0

Reference Method : ISO 1996-1 : 2016

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 1v พ.ศ. 2v40q เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป

2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการจราจร และระดับเสียงที่เกิดจากการประกอบกิจการ

โรงงาน พ.ศ. 2v48

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 1QD2v.

Technical Management

Chontichak

Chonticha Subongkloch
Scientist 73q

Approved by

Supt S

Supt Salameh
Section Head

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S:\Reports\Air Noise\pt (4.51PM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phakdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599081
Date Recd/Ntd : SoN24, 202v
Date Reported : SoN28, 202v
Report Sumbser: 3461199-1

Page 1 of 1

Sample Number : 2v99081-14
Parameter : Soise 7x(24 hrs.)
Location : บ้านพักที่ 14 ซอยและแนวถนนด้านทิศตะวันตกของโครงการ ส่วนขวา ที่หมู่ 3 ตำบลนาพาหาร 758/7 PS 4GP 0G46039, 143Q094g
Measurement Date : SoN22 - 5oN23, 202v
Measurement by : Apichart Wilars
Sound Level meter : Serial So. 920831

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	46.4	GB.4	44.4
11:00 AM - 12:00 PM	46.4	69.9	44.3
12:00 PM - 01:00 PM	46.9	GG.6	44.3
01:00 PM - 02:00 PM	4v.v	62.3	44.1
02:00 PM - 03:00 PM	48.2	v6.4	46.v
03:00 PM - 04:00 PM	v2.2	Q2.0	v0.G
04:00 PM - 0v:00 PM	v2.1	68.3	v0.6
0v:00 PM - 06:00 PM	v3.2	GB.3	v1.4
06:00 PM - 0Q:00 PM	v4.1	v8.0	v3.4
0Q:00 PM - 08:00 PM	vv.1	vG.G	v4.4
08:00 PM - 09:00 PM	v4.8	6v.2	v4.1
09:00 PM - 10:00 PM	v2.6	v8.0	v1.2
10:00 PM - 11:00 PM	49.6	6G.1	48.1
11:00 PM - 12:00 AM	49.v	v9.6	48.G
12:00 AM - 01:00 AM	48.8	v3.8	48.4
01:00 AM - 02:00 AM	49.6	60.4	48.0
02:00 AM - 03:00 AM	48.9	v9.9	4G.1
03:00 AM - 04:00 AM	48.8	v8.9	4G.v
04:00 AM - 0v:00 AM	46.3	62.6	46.2
0v:00 AM - 06:00 AM	46.4	v8.v	4v.1
06:00 AM - 0Q:00 AM	44.3	64.0	42.8
0Q:00 AM - 08:00 AM	44.1	68.2	42.4
08:00 AM - 09:00 AM	43.6	v8.3	41.8
09:00 AM - 10:00 AM	4G.G	GB.1	41.v

Leq (A)verage 24 hrs. 7x24h

Lmax 7x24h

L90 7x24h

Ldn 7x24h

Standard 7x24h

Q0

Reference Method : ISO 1996-1 : 2016

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 1v พ.ศ. 2v40q เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป

2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการจราจร และระดับเสียงที่เกิดจากการประกอบกิจการ

โรงงาน พ.ศ. 2v48

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 1QD2v.

Technical Management

Chontichak

Chonticha Subongkloch
Scientist 73q

Approved by

Supt S

Supt Salameh
Section Head

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S:\Reports\Air Noise\pt (4.51PM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phakdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599086
Date Recd/Ntd : SoN24, 202v
Date Reported : SoN28, 202v
Report Number: 3460999-1

Page 1 of 1

Sample Number	2v99086-1		
Parameter	Soise 7x(24 hrs.)		
Location	หน้าถนนรอบเขตพื้นที่โครงการท่าหินโงก 759q 7 PS 4P OG4v99, 1426GB3q		
Measurement Date	SoN16 - SoN1G, 202v		
Measurement by	Apichart Wilars		
Sound Level meter	Serial So. v3129G		
Time	Leq 7x(24hrs)	Lmax 7x(24hrs)	L90 7x(24hrs)
10:00 AM - 11:00 AM	v1.3	80.1	42.1
11:00 AM - 12:00 PM	48.2	6v.2	42.4
12:00 PM - 01:00 PM	4G.1	6G.9	41.3
01:00 PM - 02:00 PM	46.4	66.6	42.2
02:00 PM - 03:00 PM	43.6	68.2	41.1
03:00 PM - 04:00 PM	4v.2	6v.8	41.1
04:00 PM - 0v:00 PM	46.8	66.6	41.2
0v:00 PM - 06:00 PM	44.6	66.9	40.6
06:00 PM - 0G:00 PM	4v.9	v8.v	43.9
0G:00 PM - 08:00 PM	4G.0	60.3	44.8
08:00 PM - 09:00 PM	48.v	G2.6	4v.v
09:00 PM - 10:00 PM	46.8	64.2	4v.3
10:00 PM - 11:00 PM	46.4	64.v	4v.0
11:00 PM - 12:00 AM	4v.9	v3.4	44.v
12:00 AM - 01:00 AM	4v.G	vG.2	44.4
01:00 AM - 02:00 AM	4v.G	v4.1	44.4
02:00 AM - 03:00 AM	4v.6	v9.2	43.9
03:00 AM - 04:00 AM	46.3	v4.v	44.v
04:00 AM - 0v:00 AM	4v.2	vv.G	43.4
0v:00 AM - 06:00 AM	48.1	68.3	43.6
06:00 AM - 0G:00 AM	v0.3	G0.9	42.6
0G:00 AM - 08:00 AM	4G.6	6G.4	41.G
08:00 AM - 09:00 AM	4G.G	6G.8	41.9
09:00 AM - 10:00 AM	46.9	66.1	42.G

Leq (A)verage 24 hrs. 7x(24hrs)

Lmax (dB(A))

L90 (dB(A))

Ldn (dB(A))

Standard 7x(24hrs)

G0

Reference Method : ISO 1996-1 : 2016

Standard : 1." วัตถุประสงค์ในการศึกษา รวบรวม ผลค่าเสียง 1v 7x. 2v40q เพื่อตรวจสอบผลกระทบ จากการดำเนินงาน

2." วัตถุประสงค์ในการศึกษาผลกระทบ จากการดำเนินงานโครงการก่อสร้างโรงงานอุตสาหกรรม, มาใช้ประโยชน์ในการศึกษาผลกระทบ จากการดำเนินงาน

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 1G02v.

Technical Management

Chontichak
Chonticha Subongkloch
Scientist 73q

Approved by

Supot S
Supot Salameh
Section Head

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S:\Reports\Air Noise\pt (3-45PM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phakdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599086
Date Recd/Ntd : SoN24, 202v
Date Reported : SoN28, 202v
Report Number: 3460999-1

Page 1 of 1

Sample Number

2v990862

Parameter

Soise (Leq 24 hrs.)

Location

หน้าถนนรอบพื้นที่โครงการท่าหินโงก (59) (GPS 4-P 0-4v99, 1426-93)

Measurement Date

SoN1 - SoN18, 202v

Measurement by

Apichart Wilars

Sound Level meter

Serial So. v3129-

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM f 11:00 AM	4v.0	66.2	40.9
11:00 AM f 12:00 PM	4v.4	68.4	40.v
12:00 PM f 01:00 PM	44.4	64.1	38.v
01:00 PM f 02:00 PM	46.4	6- v	40.2
02:00 PM f 03:00 PM	44.9	-3.6	41.2
03:00 PM f 04:00 PM	4v.-	66.8	41.3
04:00 PM f 0v:00 PM	48.8	69.4	39.8
0v:00 PM f 06:00 PM	44.v	66.4	41.4
06:00 PM f 0-:00 PM	4v.8	61.4	44.1
0-:00 PM f 08:00 PM	48.0	66.-	4v.8
08:00 PM f 09:00 PM	4- 4	v2.1	46.0
09:00 PM f 10:00 PM	49.0	-3.1	4v.2
10:00 PM f 11:00 PM	v3.6	80.1	4v.0
11:00 PM f 12:00 AM	4v.v	-4.9	44.2
12:00 AM f 01:00 AM	44.v	60.v	43.4
01:00 AM f 02:00 AM	4v.0	64.9	43.-
02:00 AM f 03:00 AM	44.6	63.8	43.4
03:00 AM f 04:00 AM	4v.0	v- .6	43.3
04:00 AM f 0v:00 AM	4v.1	64.2	43.3
0v:00 AM f 06:00 AM	4- 0	69.8	42.4
06:00 AM f 0-:00 AM	48.4	68.1	41.-
0-:00 AM f 08:00 AM	49.9	69.3	42.4
08:00 AM f 09:00 AM	4- 2	6- v	43.2
09:00 AM f 10:00 AM	48.0	6- v	43.4

Leq (A)verage 24 hrs. (dB(A))

Lmax (dB(A))

L90 (dB(A))

Ldn (dB(A))

Standard 7x(24hrs)

G0

Reference Method : ISO 1996f1 : 2016

Standard : 1." วัตถุประสงค์ในการศึกษา รวบรวม ผลค่าเสียง 1v 7x. 2v40q เพื่อตรวจสอบผลกระทบ จากการดำเนินงาน

2." วัตถุประสงค์ในการศึกษาผลกระทบ จากการดำเนินงานโครงการก่อสร้างโรงงานอุตสาหกรรม, มาใช้ประโยชน์ในการศึกษาผลกระทบ จากการดำเนินงาน

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 1-02v.

Technical Management

Chontichak
Chonticha Subongkloch
Scientist (3)

Approved by

Supot S
Supot Salameh
Section Head

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Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phakdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599086
Date Recd/Ntd : SoN24, 202v
Date Reported : SoN28, 202v
Report Number: 3460999-1

Page 1 of 1

Sample Number	2v99086-3		
Parameter	Soise 7x(24 hrs.)		
Location	หน้าถนนรอบพื้นที่โครงการท่าหินโงก 759q 7 PS 4GP OG4v99, 1426GB3q		
Measurement Date	SoN18 - SoN19, 202v		
Measurement by	Apichart Wilars		
Sound Level meter	Serial So. v3129G		
Time	Leq 7dB(A)	Lmax 7dB(A)	L90 7dB(A)
10:00 AM - 11:00 AM	44.G	60.0	42.0
11:00 AM - 12:00 PM	48.6	68.1	42.1
12:00 PM - 01:00 PM	46.4	68.v	39.2
01:00 PM - 02:00 PM	4GG	68.8	42.0
02:00 PM - 03:00 PM	4v.8	66.6	41.1
03:00 PM - 04:00 PM	46.0	6v.1	42.1
04:00 PM - 0v:00 PM	48.4	68.1	42.0
0v:00 PM - 06:00 PM	43.3	62.6	41.0
06:00 PM - 0G:00 PM	44.9	60.G	43.v
0G:00 PM - 08:00 PM	4v.4	v8.8	44.1
08:00 PM - 09:00 PM	4GG	G4.3	44.2
09:00 PM - 10:00 PM	44.9	v6.0	43.9
10:00 PM - 11:00 PM	v0.v	Gv.2	43.1
11:00 PM - 12:00 AM	4v.8	v2.3	44.v
12:00 AM - 01:00 AM	46.1	vG.6	44.6
01:00 AM - 02:00 AM	4v.6	61.2	44.3
02:00 AM - 03:00 AM	46.0	60.6	44.G
03:00 AM - 04:00 AM	44.4	63.2	42.9
04:00 AM - 0v:00 AM	4v.6	62.G	43.9
0v:00 AM - 06:00 AM	48.1	66.4	44.G
06:00 AM - 0G:00 AM	v0.3	G0.2	43.v
0G:00 AM - 08:00 AM	49.G	69.3	4v.1
08:00 AM - 09:00 AM	48.v	G3.1	44.9
09:00 AM - 10:00 AM	49.1	G0.2	46.v

Leq (A)verage 24 hrs. 7x(24hrs)

Lmax (dB(A))

L90 (dB(A))

Ldn (dB(A))

Standard 7x(24hrs)

G0

Reference Method : ISO 1996-1 : 2016

Standard : 1." วัตถุประสงค์ในการศึกษา รวบรวม ผลค่าเสียง 1v 7x. 2v40q เพื่อตรวจสอบผลกระทบ จากการดำเนินงาน

2." วัตถุประสงค์ในการศึกษาผลกระทบ จากการดำเนินงานโครงการก่อสร้างโรงงานอุตสาหกรรม, มาใช้ประโยชน์ในการศึกษาผลกระทบ จากการดำเนินงาน

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 1G02v.

Technical Management

Chontichak
Chonticha Subongkloch
Scientist 73q

Approved by

Supot S
Supot Salameh
Section Head

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S:\Reports\Air Noise\pt (3-45PM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phakdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599086
Date Recd/Ntd : SoN24, 202v
Date Reported : SoN28, 202v
Report Number: 3460999-1

Page 1 of 1

Sample Number	2v99086-4		
Parameter	Soise 7x(24 hrs.)		
Location	หน้าถนนรอบเขตพื้นที่โครงการท่าหินโงก 759q 7 PS 4P OG4v99, 1426GB3q		
Measurement Date	SoN19 - SoN20, 202v		
Measurement by	Apichart Wilars		
Sound Level meter	Serial So. v3129G		
Time	Leq 7dB(A)	Lmax 7dB(A)	L90 7dB(A)
10:00 AM - 11:00 AM	4G.G	6v.G	4v.0
11:00 AM - 12:00 PM	4v.3	63.2	42.9
12:00 PM - 01:00 PM	4v.G	60.8	42.6
01:00 PM - 02:00 PM	4v.9	vG.G	43.9
02:00 PM - 03:00 PM	4v.0	60.4	42.8
03:00 PM - 04:00 PM	44.4	6G.G	42.3
04:00 PM - 0v:00 PM	46.v	6v.3	41.9
0v:00 PM - 06:00 PM	44.3	69.1	42.2
06:00 PM - 0G:00 PM	46.2	69.2	44.v
0G:00 PM - 08:00 PM	4v.9	63.0	44.3
08:00 PM - 09:00 PM	4v.6	G1.0	43.8
09:00 PM - 10:00 PM	44.6	62.1	43.2
10:00 PM - 11:00 PM	4v.1	vv.0	43.v
11:00 PM - 12:00 AM	46.4	6G.8	44.6
12:00 AM - 01:00 AM	46.v	G2.1	4v.4
01:00 AM - 02:00 AM	46.v	G0.0	44.3
02:00 AM - 03:00 AM	49.v	v9.8	46.8
03:00 AM - 04:00 AM	49.1	62.G	46.4
04:00 AM - 0v:00 AM	4G.v	69.6	44.8
0v:00 AM - 06:00 AM	46.6	66.v	43.2
06:00 AM - 0G:00 AM	4G.3	6G.3	41.v
0G:00 AM - 08:00 AM	46.G	6G.2	42.8
08:00 AM - 09:00 AM	48.6	G8.v	4v.4
09:00 AM - 10:00 AM	4G.3	63.6	44.G

Leq (A)verage 24 hrs. 7x(24hrs)

Lmax (dB(A))

L90 (dB(A))

Ldn (dB(A))

Standard 7x(24hrs)

G0

Reference Method : ISO 1996-1 : 2016

Standard : 1." วัตถุประสงค์ในการศึกษา รวบรวม ผลค่าเสียง 1v 7x. 2v40q เพื่อตรวจสอบผลกระทบ จากการดำเนินงาน

2." วัตถุประสงค์ในการศึกษาผลกระทบ จากการดำเนินงานโครงการก่อสร้างโรงงานอุตสาหกรรม, มาใช้ประโยชน์ในการศึกษาผลกระทบ จากการดำเนินงาน

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 1G02v.

Technical Management

Chontichak
Chonticha Subongkloch
Scientist 73q

Approved by

Supot S
Supot Salameh
Section Head

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S:\Reports\Air Noise\pt (3-55PM)

ระดับเสียง 5 นาທີ (L5)



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599077
Date Received : Nov 24, 2025
Date Reported : Nov 29, 2025
Report Number : 3460122-1

Page 1 of 3

Sample Number 2599077-1
Parameter Noise Level (Leq 5 min)
Location โรงไฟฟ้าพลังงานไฟฟ้า (อ.บางน้ำผึ้ง) (N1) (GPS 47P 0746540, 1426059)
Measurement Date Nov 16 - Nov 17, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531309

Nov 15, 2025		Nov 16, 2025		Nov 16, 2025	
Time	Leq dB(A)	Time	Leq dB(A)	Time	Leq dB(A)
10:00 AM - 10:05 AM	44.3	12:40 PM - 12:45 PM	44.3	03:20 PM - 03:25 PM	42.4
10:05 AM - 10:10 AM	45.8	12:45 PM - 12:50 PM	45.7	03:25 PM - 03:30 PM	46.6
10:10 AM - 10:15 AM	44.9	12:50 PM - 12:55 PM	43.9	03:30 PM - 03:35 PM	59.7
10:15 AM - 10:20 AM	42.6	12:55 PM - 01:00 PM	43.2	03:35 PM - 03:40 PM	52.3
10:20 AM - 10:25 AM	43.3	01:00 PM - 01:05 PM	42.7	03:40 PM - 03:45 PM	45.2
10:25 AM - 10:30 AM	43.6	01:05 PM - 01:10 PM	44.9	03:45 PM - 03:50 PM	42.3
10:30 AM - 10:35 AM	42.4	01:10 PM - 01:15 PM	45.1	03:50 PM - 03:55 PM	42.7
10:35 AM - 10:40 AM	44.9	01:15 PM - 01:20 PM	46.6	03:55 PM - 04:00 PM	41.9
10:40 AM - 10:45 AM	43.6	01:20 PM - 01:25 PM	44.2	04:00 PM - 04:05 PM	42.7
10:45 AM - 10:50 AM	44.6	01:25 PM - 01:30 PM	42.7	04:05 PM - 04:10 PM	44.8
10:50 AM - 10:55 AM	44.1	01:30 PM - 01:35 PM	44.8	04:10 PM - 04:15 PM	45.8
10:55 AM - 11:00 AM	42.9	01:35 PM - 01:40 PM	45.9	04:15 PM - 04:20 PM	44.6
11:00 AM - 11:05 AM	42.4	01:40 PM - 01:45 PM	44.8	04:20 PM - 04:25 PM	44.5
11:05 AM - 11:10 AM	52.6	01:45 PM - 01:50 PM	45.4	04:25 PM - 04:30 PM	45.2
11:10 AM - 11:15 AM	45.8	01:50 PM - 01:55 PM	44.5	04:30 PM - 04:35 PM	45.6
11:15 AM - 11:20 AM	47.0	01:55 PM - 02:00 PM	43.7	04:35 PM - 04:40 PM	44.5
11:20 AM - 11:25 AM	44.9	02:00 PM - 02:05 PM	43.9	04:40 PM - 04:45 PM	45.0
11:25 AM - 11:30 AM	43.4	02:05 PM - 02:10 PM	43.8	04:45 PM - 04:50 PM	44.0
11:30 AM - 11:35 AM	45.7	02:10 PM - 02:15 PM	43.5	04:50 PM - 04:55 PM	44.4
11:35 AM - 11:40 AM	46.0	02:15 PM - 02:20 PM	45.4	04:55 PM - 05:00 PM	46.6
11:40 AM - 11:45 AM	45.3	02:20 PM - 02:25 PM	43.2	05:00 PM - 05:05 PM	44.7
11:45 AM - 11:50 AM	43.5	02:25 PM - 02:30 PM	46.1	05:05 PM - 05:10 PM	45.8
11:50 AM - 11:55 AM	42.0	02:30 PM - 02:35 PM	44.8	05:10 PM - 05:15 PM	44.9
11:55 AM - 12:00 PM	40.3	02:35 PM - 02:40 PM	44.3	05:15 PM - 05:20 PM	44.4
12:00 PM - 12:05 PM	43.4	02:40 PM - 02:45 PM	44.8	05:20 PM - 05:25 PM	44.5
12:05 PM - 12:10 PM	43.4	02:45 PM - 02:50 PM	43.5	05:25 PM - 05:30 PM	44.7
12:10 PM - 12:15 PM	45.0	02:50 PM - 02:55 PM	46.6	05:30 PM - 05:35 PM	45.9
12:15 PM - 12:20 PM	42.8	02:55 PM - 03:00 PM	42.9	05:35 PM - 05:40 PM	44.7
12:20 PM - 12:25 PM	43.7	03:00 PM - 03:05 PM	44.3	05:40 PM - 05:45 PM	47.7
12:25 PM - 12:30 PM	43.9	03:05 PM - 03:10 PM	43.4	05:45 PM - 05:50 PM	44.8
12:30 PM - 12:35 PM	47.0	03:10 PM - 03:15 PM	43.4	05:50 PM - 05:55 PM	45.7
12:35 PM - 12:40 PM	45.2	03:15 PM - 03:20 PM	44.8	05:55 PM - 06:00 PM	45.0

The above results are valid only for the analyzed/tested sample(s) as indicated in the report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Sarayuht Jitranont
Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599077
Date Received : Nov 24, 2025
Date Reported : Nov 29, 2025
Report Number : 3460122-1

Page 2 of 3

Sample Number 2599077-1
Parameter Noise Level (Leq 5 min)
Location โรงไฟฟ้าพลังงานไฟฟ้า (อ.บางน้ำผึ้ง) (N1) (GPS 47P 0746540, 1426059)
Measurement Date Nov 16 - Nov 17, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531309

Nov 16, 2025		Nov 16, 2025		Nov 16 - Nov 17, 2025	
Time	Leq dB(A)	Time	Leq dB(A)	Time	Leq dB(A)
06:00 PM - 06:05 PM	45.8	08:40 PM - 08:45 PM	47.7	11:20 PM - 11:25 PM	44.7
06:05 PM - 06:10 PM	45.0	08:45 PM - 08:50 PM	47.3	11:25 PM - 11:30 PM	44.9
06:10 PM - 06:15 PM	46.6	08:50 PM - 08:55 PM	45.4	11:30 PM - 11:35 PM	44.7
06:15 PM - 06:20 PM	46.4	08:55 PM - 09:00 PM	46.9	11:35 PM - 11:40 PM	44.4
06:20 PM - 06:25 PM	49.1	09:00 PM - 09:05 PM	42.2	11:40 PM - 11:45 PM	45.0
06:25 PM - 06:30 PM	50.2	09:05 PM - 09:10 PM	42.1	11:45 PM - 11:50 PM	44.6
06:30 PM - 06:35 PM	50.4	09:10 PM - 09:15 PM	42.8	11:50 PM - 11:55 PM	44.6
06:35 PM - 06:40 PM	51.2	09:15 PM - 09:20 PM	43.5	11:55 PM - 12:00 AM	44.7
06:40 PM - 06:45 PM	49.6	09:20 PM - 09:25 PM	44.1	12:00 AM - 12:05 AM	44.7
06:45 PM - 06:50 PM	49.5	09:25 PM - 09:30 PM	43.7	12:05 AM - 12:10 AM	44.5
06:50 PM - 06:55 PM	49.1	09:30 PM - 09:35 PM	44.9	12:10 AM - 12:15 AM	44.1
06:55 PM - 07:00 PM	48.9	09:35 PM - 09:40 PM	43.9	12:15 AM - 12:20 AM	44.0
07:00 PM - 07:05 PM	48.1	09:40 PM - 09:45 PM	43.3	12:20 AM - 12:25 AM	43.8
07:05 PM - 07:10 PM	46.3	09:45 PM - 09:50 PM	44.7	12:25 AM - 12:30 AM	43.9
07:10 PM - 07:15 PM	47.6	09:50 PM - 09:55 PM	45.2	12:30 AM - 12:35 AM	44.1
07:15 PM - 07:20 PM	47.8	09:55 PM - 10:00 PM	45.2	12:35 AM - 12:40 AM	44.5
07:20 PM - 07:25 PM	46.5	10:00 PM - 10:05 PM	45.3	12:40 AM - 12:45 AM	45.5
07:25 PM - 07:30 PM	46.2	10:05 PM - 10:10 PM	45.1	12:45 AM - 12:50 AM	45.0
07:30 PM - 07:35 PM	45.7	10:10 PM - 10:15 PM	45.1	12:50 AM - 12:55 AM	44.3
07:35 PM - 07:40 PM	44.7	10:15 PM - 10:20 PM	44.0	12:55 AM - 01:00 AM	44.9
07:40 PM - 07:45 PM	45.4	10:20 PM - 10:25 PM	47.1	01:00 AM - 01:05 AM	44.9
07:45 PM - 07:50 PM	45.1	10:25 PM - 10:30 PM	46.3	01:05 AM - 01:10 AM	44.9
07:50 PM - 07:55 PM	47.0	10:30 PM - 10:35 PM	45.8	01:10 AM - 01:15 AM	44.3
07:55 PM - 08:00 PM	46.6	10:35 PM - 10:40 PM	45.7	01:15 AM - 01:20 AM	44.6
08:00 PM - 08:05 PM	47.1	10:40 PM - 10:45 PM	44.1	01:20 AM - 01:25 AM	44.9
08:05 PM - 08:10 PM	46.9	10:45 PM - 10:50 PM	44.4	01:25 AM - 01:30 AM	45.1
08:10 PM - 08:15 PM	46.3	10:50 PM - 10:55 PM	45.0	01:30 AM - 01:35 AM	44.8
08:15 PM - 08:20 PM	46.3	10:55 PM - 11:00 PM	44.8	01:35 AM - 01:40 AM	44.6
08:20 PM - 08:25 PM	46.2	11:00 PM - 11:05 PM	44.8	01:40 AM - 01:45 AM	44.1
08:25 PM - 08:30 PM	45.7	11:05 PM - 11:10 PM	44.9	01:45 AM - 01:50 AM	44.4
08:30 PM - 08:35 PM	45.9	11:10 PM - 11:15 PM	44.6	01:50 AM - 01:55 AM	43.9
08:35 PM - 08:40 PM	45.4	11:15 PM - 11:20 PM	44.1	01:55 AM - 02:00 AM	43.7

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Approved by

Sarayuht Jitranont
Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599077
Date Received : Nov 24, 2025
Date Reported : Nov 29, 2025
Report Number : 3460122-1

Page 3 of 3

Sample Number 2599077-1
Parameter Noise Level (Leq 5 min)
Location โรงไฟฟ้าพลังงานไฟฟ้า (อ.บางน้ำผึ้ง) (N1) (GPS 47P 0746540, 1426059)
Measurement Date Nov 16 - Nov 17, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531309

Nov 17, 2025		Nov 17, 2025		Nov 17, 2025	
Time	Leq dB(A)	Time	Leq dB(A)	Time	Leq dB(A)
02:00 AM - 02:05 AM	46.2	04:40 AM - 04:45 AM	44.2	07:20 AM - 07:25 AM	53.4
02:05 AM - 02:10 AM	44.1	04:45 AM - 04:50 AM	44.2	07:25 AM - 07:30 AM	47.5
02:10 AM - 02:15 AM	44.1	04:50 AM - 04:55 AM	44.4	07:30 AM - 07:35 AM	47.8
02:15 AM - 02:20 AM	44.6	04:55 AM - 05:00 AM	44.6	07:35 AM - 07:40 AM	45.7
02:20 AM - 02:25 AM	45.8	05:00 AM - 05:05 AM	44.4	07:40 AM - 07:45 AM	44.1
02:25 AM - 02:30 AM	46.3	05:05 AM - 05:10 AM	44.8	07:45 AM - 07:50 AM	46.7
02:30 AM - 02:35 AM	44.5	05:10 AM - 05:15 AM	45.1	07:50 AM - 07:55 AM	48.0
02:35 AM - 02:40 AM	44.5	05:15 AM - 05:20 AM	44.8	07:55 AM - 08:00 AM	44.7
02:40 AM - 02:45 AM	45.0	05:20 AM - 05:25 AM	44.3	08:00 AM - 08:05 AM	45.4
02:45 AM - 02:50 AM	45.2	05:25 AM - 05:30 AM	44.7	08:05 AM - 08:10 AM	46.5
02:50 AM - 02:55 AM	46.2	05:30 AM - 05:35 AM	45.9	08:10 AM - 08:15 AM	49.7
02:55 AM - 03:00 AM	44.3	05:35 AM - 05:40 AM	46.6	08:15 AM - 08:20 AM	48.7
03:00 AM - 03:05 AM	44.3	05:40 AM - 05:45 AM	47.0	08:20 AM - 08:25 AM	48.1
03:05 AM - 03:10 AM	44.0	05:45 AM - 05:50 AM	47.5	08:25 AM - 08:30 AM	45.2
03:10 AM - 03:15 AM	44.0	05:50 AM - 05:55 AM	48.7	08:30 AM - 08:35 AM	43.1
03:15 AM - 03:20 AM	43.7	05:55 AM - 06:00 AM	49.5	08:35 AM - 08:40 AM	43.6
03:20 AM - 03:25 AM	44.1	06:00 AM - 06:05 AM	47.0	08:40 AM - 08:45 AM	50.6
03:25 AM - 03:30 AM	44.1	06:05 AM - 06:10 AM	47.6	08:45 AM - 08:50 AM	42.9
03:30 AM - 03:35 AM	44.1	06:10 AM - 06:15 AM	47.8	08:50 AM - 08:55 AM	45.3
03:35 AM - 03:40 AM	44.7	06:15 AM - 06:20 AM	46.8	08:55 AM - 09:00 AM	45.1
03:40 AM - 03:45 AM	45.0	06:20 AM - 06:25 AM	46.1	09:00 AM - 09:05 AM	45.2
03:45 AM - 03:50 AM	44.2	06:25 AM - 06:30 AM	45.4	09:05 AM - 09:10 AM	46.0
03:50 AM - 03:55 AM	43.9	06:30 AM - 06:35 AM	45.9	09:10 AM - 09:15 AM	44.8
03:55 AM - 04:00 AM	43.7	06:35 AM - 06:40 AM	45.3	09:15 AM - 09:20 AM	44.1
04:00 AM - 04:05 AM	43.8	06:40 AM - 06:45 AM	44.4	09:20 AM - 09:25 AM	43.6
04:05 AM - 04:10 AM	43.8	06:45 AM - 06:50 AM	46.9	09:25 AM - 09:30 AM	44.3
04:10 AM - 04:15 AM	43.8	06:50 AM - 06:55 AM	50.0	09:30 AM - 09:35 AM	43.8
04:15 AM - 04:20 AM	43.8	06:55 AM - 07:00 AM	46.2	09:35 AM - 09:40 AM	45.5
04:20 AM - 04:25 AM	43.9	07:00 AM - 07:05 AM	47.6	09:40 AM - 09:45 AM	45.9
04:25 AM - 04:30 AM	44.4	07:05 AM - 07:10 AM	45.1	09:45 AM - 09:50 AM	46.6
04:30 AM - 04:35 AM	44.4	07:10 AM - 07:15 AM	46.7	09:50 AM - 09:55 AM	45.8
04:35 AM - 04:40 AM	44.4	07:15 AM - 07:20 AM	47.7	09:55 AM - 10:00 AM	46.3

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Sarayuht Jitranont
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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599077
Date Received : Nov 24, 2025
Date Reported : Nov 29, 2025
Report Number : 3460123-1

Page 1 of 3

Sample Number 2599077-2
Parameter Noise Level (Leq 5 min)
Location โรงไฟฟ้าพลังงานไฟฟ้า (อ.บางน้ำผึ้ง) (N1) (GPS 47P 0746540, 1426059)
Measurement Date Nov 17 - Nov 18, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531309

Nov 17, 2025		Nov 17, 2025		Nov 17, 2025	
Time	Leq dB(A)	Time	Leq dB(A)	Time	Leq dB(A)
10:00 AM - 10:05 AM	45.1	12:40 PM - 12:45 PM	42.0	03:20 PM - 03:25 PM	



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023

Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number 2599077-2
Parameter Noise Level (Leq 5 min)
Location โรงไฟฟ้าพลังงานแสงอาทิตย์ (แสงอาทิตย์) (N1) (GPS 47P 0746540, 1426059)
Measurement Date Nov 17 - Nov 18, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531309

Page 2 of 3

Nov 17, 2025			Nov 17, 2025			Nov 17 - Nov 18, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
06:00 PM - 06:05 PM	45.3	42.6	08:40 PM - 08:45 PM	45.5	44.6	11:20 PM - 11:25 PM	48.5	45.7
06:05 PM - 06:10 PM	48.7	43.5	08:45 PM - 08:50 PM	47.2	44.8	11:25 PM - 11:30 PM	48.3	45.7
06:10 PM - 06:15 PM	48.4	44.3	08:50 PM - 08:55 PM	45.6	44.8	11:30 PM - 11:35 PM	48.3	45.9
06:15 PM - 06:20 PM	46.4	44.8	08:55 PM - 09:00 PM	45.6	44.7	11:35 PM - 11:40 PM	47.5	45.5
06:20 PM - 06:25 PM	56.0	46.2	09:00 PM - 09:05 PM	46.4	44.8	11:40 PM - 11:45 PM	46.4	44.4
06:25 PM - 06:30 PM	50.4	47.0	09:05 PM - 09:10 PM	45.9	44.6	11:45 PM - 11:50 PM	44.7	44.1
06:30 PM - 06:35 PM	52.1	48.8	09:10 PM - 09:15 PM	46.5	44.6	11:50 PM - 11:55 PM	44.7	44.0
06:35 PM - 06:40 PM	52.3	50.9	09:15 PM - 09:20 PM	45.8	44.7	11:55 PM - 12:00 AM	44.6	44.0
06:40 PM - 06:45 PM	53.2	51.4	09:20 PM - 09:25 PM	46.5	45.0	12:00 AM - 12:05 AM	44.3	43.8
06:45 PM - 06:50 PM	54.1	52.0	09:25 PM - 09:30 PM	47.0	45.3	12:05 AM - 12:10 AM	44.6	44.0
06:50 PM - 06:55 PM	53.7	49.8	09:30 PM - 09:35 PM	45.9	45.0	12:10 AM - 12:15 AM	44.7	44.0
06:55 PM - 07:00 PM	54.1	51.7	09:35 PM - 09:40 PM	46.2	45.3	12:15 AM - 12:20 AM	45.9	45.1
07:00 PM - 07:05 PM	53.2	48.1	09:40 PM - 09:45 PM	46.6	45.6	12:20 AM - 12:25 AM	45.9	45.2
07:05 PM - 07:10 PM	53.2	48.6	09:45 PM - 09:50 PM	47.3	45.1	12:25 AM - 12:30 AM	45.7	45.1
07:10 PM - 07:15 PM	52.5	47.1	09:50 PM - 09:55 PM	45.7	44.9	12:30 AM - 12:35 AM	45.7	45.2
07:15 PM - 07:20 PM	51.1	46.3	09:55 PM - 10:00 PM	46.1	45.1	12:35 AM - 12:40 AM	45.9	45.1
07:20 PM - 07:25 PM	49.1	45.5	10:00 PM - 10:05 PM	46.2	44.7	12:40 AM - 12:45 AM	45.7	44.5
07:25 PM - 07:30 PM	48.6	45.3	10:05 PM - 10:10 PM	46.1	44.9	12:45 AM - 12:50 AM	46.2	45.2
07:30 PM - 07:35 PM	50.7	46.1	10:10 PM - 10:15 PM	45.3	44.8	12:50 AM - 12:55 AM	46.6	45.3
07:35 PM - 07:40 PM	50.7	46.5	10:15 PM - 10:20 PM	45.3	44.7	12:55 AM - 01:00 AM	47.5	45.3
07:40 PM - 07:45 PM	51.4	46.7	10:20 PM - 10:25 PM	45.0	44.4	01:00 AM - 01:05 AM	47.9	45.1
07:45 PM - 07:50 PM	52.8	49.6	10:25 PM - 10:30 PM	45.2	44.6	01:05 AM - 01:10 AM	47.8	45.0
07:50 PM - 07:55 PM	52.3	45.9	10:30 PM - 10:35 PM	45.4	44.7	01:10 AM - 01:15 AM	47.7	45.1
07:55 PM - 08:00 PM	49.9	45.4	10:35 PM - 10:40 PM	47.8	44.9	01:15 AM - 01:20 AM	47.7	45.3
08:00 PM - 08:05 PM	49.0	45.3	10:40 PM - 10:45 PM	47.9	45.0	01:20 AM - 01:25 AM	47.9	45.1
08:05 PM - 08:10 PM	49.2	45.4	10:45 PM - 10:50 PM	48.2	44.9	01:25 AM - 01:30 AM	47.4	43.8
08:10 PM - 08:15 PM	49.7	45.7	10:50 PM - 10:55 PM	47.9	45.1	01:30 AM - 01:35 AM	46.9	43.6
08:15 PM - 08:20 PM	49.5	45.3	10:55 PM - 11:00 PM	46.2	44.7	01:35 AM - 01:40 AM	46.3	43.3
08:20 PM - 08:25 PM	49.5	45.4	11:00 PM - 11:05 PM	47.3	44.8	01:40 AM - 01:45 AM	45.3	43.2
08:25 PM - 08:30 PM	50.2	45.4	11:05 PM - 11:10 PM	46.8	44.9	01:45 AM - 01:50 AM	45.9	43.3
08:30 PM - 08:35 PM	50.0	45.4	11:10 PM - 11:15 PM	47.8	45.7	01:50 AM - 01:55 AM	46.8	43.5
08:35 PM - 08:40 PM	47.4	44.6	11:15 PM - 11:20 PM	47.9	45.7	01:55 AM - 02:00 AM	46.9	43.7

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121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023

Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number 2599077-2
Parameter Noise Level (Leq 5 min)
Location โรงไฟฟ้าพลังงานแสงอาทิตย์ (แสงอาทิตย์) (N1) (GPS 47P 0746540, 1426059)
Measurement Date Nov 17 - Nov 18, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531309

Page 2 of 3

Nov 18, 2025			Nov 18, 2025			Nov 18, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
02:00 AM - 02:05 AM	46.8	43.7	04:40 AM - 04:45 AM	44.6	44.0	07:20 AM - 07:25 AM	44.8	42.5
02:05 AM - 02:10 AM	46.8	43.7	04:45 AM - 04:50 AM	44.5	44.0	07:25 AM - 07:30 AM	45.7	42.5
02:10 AM - 02:15 AM	46.9	43.5	04:50 AM - 04:55 AM	44.7	44.0	07:30 AM - 07:35 AM	46.6	43.2
02:15 AM - 02:20 AM	45.9	43.5	04:55 AM - 05:00 AM	46.2	44.5	07:35 AM - 07:40 AM	45.3	42.8
02:20 AM - 02:25 AM	46.7	43.7	05:00 AM - 05:05 AM	46.6	44.9	07:40 AM - 07:45 AM	48.6	43.6
02:25 AM - 02:30 AM	45.7	43.5	05:05 AM - 05:10 AM	48.1	45.6	07:45 AM - 07:50 AM	47.6	43.6
02:30 AM - 02:35 AM	46.2	43.7	05:10 AM - 05:15 AM	46.3	45.2	07:50 AM - 07:55 AM	45.9	42.6
02:35 AM - 02:40 AM	45.1	43.5	05:15 AM - 05:20 AM	46.2	45.3	07:55 AM - 08:00 AM	45.4	42.6
02:40 AM - 02:45 AM	44.5	43.6	05:20 AM - 05:25 AM	46.3	45.3	08:00 AM - 08:05 AM	48.9	42.2
02:45 AM - 02:50 AM	44.5	43.5	05:25 AM - 05:30 AM	46.3	45.2	08:05 AM - 08:10 AM	46.1	42.5
02:50 AM - 02:55 AM	45.2	43.5	05:30 AM - 05:35 AM	45.8	44.9	08:10 AM - 08:15 AM	47.4	42.3
02:55 AM - 03:00 AM	44.8	43.6	05:35 AM - 05:40 AM	45.9	44.8	08:15 AM - 08:20 AM	46.3	42.4
03:00 AM - 03:05 AM	45.2	43.8	05:40 AM - 05:45 AM	47.3	45.0	08:20 AM - 08:25 AM	44.4	42.3
03:05 AM - 03:10 AM	45.0	43.9	05:45 AM - 05:50 AM	49.3	45.4	08:25 AM - 08:30 AM	46.3	41.8
03:10 AM - 03:15 AM	44.5	43.9	05:50 AM - 05:55 AM	46.5	44.9	08:30 AM - 08:35 AM	47.5	42.3
03:15 AM - 03:20 AM	44.4	43.9	05:55 AM - 06:00 AM	47.3	44.8	08:35 AM - 08:40 AM	48.2	42.6
03:20 AM - 03:25 AM	44.3	43.9	06:00 AM - 06:05 AM	48.8	46.1	08:40 AM - 08:45 AM	47.2	42.4
03:25 AM - 03:30 AM	44.5	44.2	06:05 AM - 06:10 AM	48.8	45.0	08:45 AM - 08:50 AM	43.6	41.0
03:30 AM - 03:35 AM	44.4	43.9	06:10 AM - 06:15 AM	47.2	44.3	08:50 AM - 08:55 AM	45.1	41.5
03:35 AM - 03:40 AM	44.3	43.8	06:15 AM - 06:20 AM	45.6	43.9	08:55 AM - 09:00 AM	45.7	42.4
03:40 AM - 03:45 AM	44.6	44.2	06:20 AM - 06:25 AM	44.7	43.4	09:00 AM - 09:05 AM	44.5	41.8
03:45 AM - 03:50 AM	44.6	44.0	06:25 AM - 06:30 AM	46.5	43.2	09:05 AM - 09:10 AM	43.6	41.0
03:50 AM - 03:55 AM	44.5	44.3	06:30 AM - 06:35 AM	46.7	43.3	09:10 AM - 09:15 AM	44.9	40.9
03:55 AM - 04:00 AM	45.2	44.2	06:35 AM - 06:40 AM	46.0	42.8	09:15 AM - 09:20 AM	44.6	40.1
04:00 AM - 04:05 AM	45.1	44.3	06:40 AM - 06:45 AM	49.4	43.8	09:20 AM - 09:25 AM	44.0	41.9
04:05 AM - 04:10 AM	44.9	44.1	06:45 AM - 06:50 AM	45.1	42.8	09:25 AM - 09:30 AM	45.5	42.3
04:10 AM - 04:15 AM	44.5	44.1	06:50 AM - 06:55 AM	49.2	42.8	09:30 AM - 09:35 AM	45.7	42.5
04:15 AM - 04:20 AM	44.5	44.1	06:55 AM - 07:00 AM	55.6	42.7	09:35 AM - 09:40 AM	47.2	42.2
04:20 AM - 04:25 AM	44.5	44.0	07:00 AM - 07:05 AM	45.3	41.4	09:40 AM - 09:45 AM	45.6	41.0
04:25 AM - 04:30 AM	44.5	44.1	07:05 AM - 07:10 AM	44.4	42.1	09:45 AM - 09:50 AM	46.9	40.5
04:30 AM - 04:35 AM	44.6	44.1	07:10 AM - 07:15 AM	43.7	41.8	09:50 AM - 09:55 AM	45.2	41.0
04:35 AM - 04:40 AM	44.7	44.0	07:15 AM - 07:20 AM	45.9	42.4	09:55 AM - 10:00 AM	43.5	41.6

The above results are valid only for the analysed/tested sample(s) as indicated in the report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that the report is not reproduced except in full.

Approved by

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Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023

Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number 2599077-3
Parameter Noise Level (Leq 5 min)
Location โรงไฟฟ้าพลังงานแสงอาทิตย์ (แสงอาทิตย์) (N1) (GPS 47P 0746540, 1426059)
Measurement Date Nov 18 - Nov 19, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531309

Page 1 of 3

Nov 18, 2025			Nov 18, 2025			Nov 18, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
10:00 AM - 10:05 AM	47.4	42.8	12:40 PM - 12:45 PM	46.2	39.5	03:20 PM - 03:25 PM	45.2	40.9
10:05 AM - 10:10 AM	46.4	42.1	12:45 PM - 12:50 PM	48.1	41.6	03:25 PM - 03:30 PM	44.3	41.4
10:10 AM - 10:15 AM	47.5	42.5	12:50 PM - 12:55 PM	46.7	41.5	03:30 PM - 03:35 PM	44.4	42.2
10:15 AM - 10:20 AM	48.1	44.0	12:55 PM - 01:00 PM	45.7	40.9	03:35 PM - 03:40 PM	50.3	42.6
10:20 AM - 10:25 AM	45.5	42.2	01:00 PM - 01:05 PM	47.9	43.3	03:40 PM - 03:45 PM	49.4	42.5
10:25 AM - 10:30 AM	47.2	43.2	01:05 PM - 01:10 PM	46.4	41.3	03:45 PM - 03:50 PM	46.4	43.5
10:30 AM - 10:35 AM	46.0	42.5	01:10 PM - 01:15 PM	47.3	41.6	03:50 PM - 03:55 PM	49.1	43.6
10:35 AM - 10:40 AM	45.8	43.1	01:15 PM - 01:20 PM	49.5	43.5	03:55 PM - 04:00 PM	46.6	42.0
10:40 AM - 10:45 AM	47.2	43.6	01:20 PM - 01:25 PM	52.0	42.8	04:00 PM - 04:05 PM	48.5	42.1
10:45 AM - 10:50 AM	47.0	44.2	01:25 PM - 01:30 PM	46.9	42.2	04:05 PM - 04:10 PM	48.1	42.0
10:50 AM - 10:55 AM	45.4	42.0	01:30 PM - 01:35 PM	48.4	42.3	04:10 PM - 04:15 PM	44.9	42.4
10:55 AM - 11:00 AM	44.7	41.8	01:35 PM - 01:40 PM	47.6	42.3	04:15 PM - 04:20 PM	44.9	42.0
11:00 AM - 11:05 AM	47.0	41.3	01:40 PM - 01:45 PM	48.5	43.7	04:20 PM - 04:25 PM	45.2	41.5
11:05 AM - 11:10 AM	47.1	41.4	01:45 PM - 01:50 PM	45.2	41.9	04:25 PM - 04:30 PM	44.8	41.5
11:10 AM - 11:15 AM	44.2	40.5	01:50 PM - 01:55 PM	45.5	42.6	04:30 PM - 04:35 PM	44.3	41.6
11:15 AM - 11:20 AM	46.5	41.9	01:55 PM - 02:00 PM	44.7	41.3	04:35 PM - 04:40 PM	46.0	41.7
11:20 AM - 11:25 AM	50.0	42.6	02:00 PM - 02:05 PM	42.6	39.7	04:40 PM - 04:45 PM	44.3	41.1
11:25 AM - 11:30 AM	59.2	43.3	02:05 PM - 02:10 PM	44.9	40.3	04:45 PM - 04:50 PM	44.2	41.6
11:30 AM - 11:35 AM	45.3	42.3	02:10 PM - 02:15 PM	42.3	40.0	04:50 PM - 04:55 PM	44.8	41.6
11:35 AM - 11:40 AM	47.1	43.6	02:15 PM - 02:20 PM	46.4	40.5	04:55 PM - 05:00 PM	44.7	41.7
11:40 AM - 11:45 AM	49.4	44.5	02:20 PM - 02:25 PM	46.3	40.6	05:00 PM - 05:05 PM	44.2	41.1
11:45 AM - 11:50 AM	51.3	45.0	02:25 PM - 02:30 PM	44.6	41.9	05:05 PM - 05:10 PM	46.7	42.1
11:50 AM - 11:55 AM	48.8	44.4	02:30 PM - 02:35 PM	46.5	42.0	05:10 PM - 05:15 PM	45.4	42.6
11:55 AM - 12:00 PM	50.7	45.0	02:35 PM - 02:40 PM	45.7	40.9	05:15 PM - 05:20 PM	43.8	42.3
12:00 PM - 12:05 PM	48.0	42.9	02:40 PM - 02:45 PM	50.9	42.0	05:20 PM - 05:25 PM	44.2	42.2
12:05 PM - 12:10 PM	47.5	42.8	02:45 PM - 02:50 PM	50.0	41.6	05:25 PM - 05:30 PM	44.7	42.6
12:10 PM - 12:15 PM	46.5	41.9	02:50 PM - 02:55 PM	47.7	40.1	05:30 PM - 05:35 PM	44.8	43.0
12:15 PM - 12:20 PM	47.2	41.8	02:55 PM - 03:00 PM	45.2	40.5	05:35 PM - 05:40 PM	44.8	42.5
12:20 PM - 12:25 PM	49.7	41.4	03:00 PM - 03:05 PM	43.8	40.7	05:40 PM - 05:45 PM	44.7	42.6
12:25 PM - 12:30 PM	47.7	43.7	03:05 PM - 03:10 PM	47.5	40.6	05:45 PM - 05:50 PM	47.7	43.7
12:30 PM - 12:35 PM	44.5	40.0	03:10 PM - 03:15 PM	43.3	40.1	05:50 PM - 05:55 PM	46.6	42.7
12:35 PM - 12:40 PM	48.2	39.7	03:15 PM - 03:20 PM	45.7	41.1	05:55 PM - 06:00 PM	44.5	42.8



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number 2599077-3
Parameter Noise Level (Leq 5 min)
Location โรงไฟฟ้าพลังงานแสงอาทิตย์ (อ.แสงอาทิตย์) (N1) (GPS 47P 0746540, 1426059)
Measurement Date Nov 19 - Nov 20, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531309

Page 3 of 3

Nov 19, 2025			Nov 19, 2025			Nov 19, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
02:00 AM - 02:05 AM	52.7	51.3	04:40 AM - 04:45 AM	45.2	44.8	07:20 AM - 07:25 AM	53.2	45.0
02:05 AM - 02:10 AM	54.2	52.5	04:45 AM - 04:50 AM	45.2	44.8	07:25 AM - 07:30 AM	53.5	44.9
02:10 AM - 02:15 AM	51.7	48.7	04:50 AM - 04:55 AM	45.5	44.9	07:30 AM - 07:35 AM	53.6	45.1
02:15 AM - 02:20 AM	52.5	50.8	04:55 AM - 05:00 AM	45.5	44.9	07:35 AM - 07:40 AM	49.7	45.2
02:20 AM - 02:25 AM	51.5	48.9	05:00 AM - 05:05 AM	45.4	44.8	07:40 AM - 07:45 AM	48.6	45.6
02:25 AM - 02:30 AM	45.3	43.0	05:05 AM - 05:10 AM	45.6	45.0	07:45 AM - 07:50 AM	48.1	45.4
02:30 AM - 02:35 AM	43.7	43.0	05:10 AM - 05:15 AM	45.4	44.7	07:50 AM - 07:55 AM	48.3	44.9
02:35 AM - 02:40 AM	44.4	43.4	05:15 AM - 05:20 AM	44.9	44.4	07:55 AM - 08:00 AM	46.2	43.7
02:40 AM - 02:45 AM	43.9	43.2	05:20 AM - 05:25 AM	45.6	44.5	08:00 AM - 08:05 AM	49.1	44.5
02:45 AM - 02:50 AM	44.1	43.5	05:25 AM - 05:30 AM	45.3	44.3	08:05 AM - 08:10 AM	51.1	44.1
02:50 AM - 02:55 AM	44.0	43.1	05:30 AM - 05:35 AM	46.0	44.4	08:10 AM - 08:15 AM	52.2	44.3
02:55 AM - 03:00 AM	43.8	43.1	05:35 AM - 05:40 AM	46.5	44.5	08:15 AM - 08:20 AM	51.9	44.6
03:00 AM - 03:05 AM	44.1	43.5	05:40 AM - 05:45 AM	49.6	44.6	08:20 AM - 08:25 AM	49.1	44.2
03:05 AM - 03:10 AM	44.1	43.4	05:45 AM - 05:50 AM	46.7	44.6	08:25 AM - 08:30 AM	49.8	43.8
03:10 AM - 03:15 AM	44.7	44.2	05:50 AM - 05:55 AM	52.6	45.2	08:30 AM - 08:35 AM	45.5	42.5
03:15 AM - 03:20 AM	44.4	44.0	05:55 AM - 06:00 AM	54.0	46.3	08:35 AM - 08:40 AM	46.6	43.5
03:20 AM - 03:25 AM	44.8	44.3	06:00 AM - 06:05 AM	54.6	46.5	08:40 AM - 08:45 AM	46.8	43.8
03:25 AM - 03:30 AM	44.3	44.0	06:05 AM - 06:10 AM	55.3	46.7	08:45 AM - 08:50 AM	46.9	43.2
03:30 AM - 03:35 AM	44.5	44.1	06:10 AM - 06:15 AM	55.3	46.2	08:50 AM - 08:55 AM	46.1	43.8
03:35 AM - 03:40 AM	44.5	44.1	06:15 AM - 06:20 AM	55.2	45.3	08:55 AM - 09:00 AM	47.5	44.5
03:40 AM - 03:45 AM	44.2	43.7	06:20 AM - 06:25 AM	55.1	45.2	09:00 AM - 09:05 AM	47.4	43.7
03:45 AM - 03:50 AM	44.3	43.8	06:25 AM - 06:30 AM	55.1	45.3	09:05 AM - 09:10 AM	47.4	43.2
03:50 AM - 03:55 AM	44.0	44.2	06:30 AM - 06:35 AM	54.8	45.3	09:10 AM - 09:15 AM	49.8	44.4
03:55 AM - 04:00 AM	45.2	44.5	06:35 AM - 06:40 AM	54.6	45.2	09:15 AM - 09:20 AM	49.1	44.7
04:00 AM - 04:05 AM	45.4	44.8	06:40 AM - 06:45 AM	53.6	44.2	09:20 AM - 09:25 AM	47.6	44.8
04:05 AM - 04:10 AM	45.4	44.8	06:45 AM - 06:50 AM	53.1	44.2	09:25 AM - 09:30 AM	47.1	43.7
04:10 AM - 04:15 AM	45.1	44.6	06:50 AM - 06:55 AM	54.4	44.9	09:30 AM - 09:35 AM	48.2	45.1
04:15 AM - 04:20 AM	45.2	44.7	06:55 AM - 07:00 AM	53.3	44.0	09:35 AM - 09:40 AM	47.6	44.8
04:20 AM - 04:25 AM	45.2	44.6	07:00 AM - 07:05 AM	53.7	44.0	09:40 AM - 09:45 AM	49.6	44.6
04:25 AM - 04:30 AM	45.5	45.0	07:05 AM - 07:10 AM	53.3	44.4	09:45 AM - 09:50 AM	48.9	45.6
04:30 AM - 04:35 AM	45.5	44.8	07:10 AM - 07:15 AM	53.8	45.1	09:50 AM - 09:55 AM	62.0	44.8
04:35 AM - 04:40 AM	45.2	44.8	07:15 AM - 07:20 AM	53.7	44.8	09:55 AM - 10:00 AM	48.7	45.2

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number 2599077-4
Parameter Noise Level (Leq 5 min)
Location โรงไฟฟ้าพลังงานแสงอาทิตย์ (อ.แสงอาทิตย์) (N1) (GPS 47P 0746540, 1426059)
Measurement Date Nov 19 - Nov 20, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531309

Page 2 of 3

Nov 19, 2025			Nov 19, 2025			Nov 19 - Nov 20, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
05:00 PM - 05:05 PM	45.0	42.5	08:40 PM - 08:45 PM	45.2	43.2	11:20 PM - 11:25 PM	45.2	43.4
05:05 PM - 05:10 PM	45.3	42.5	08:45 PM - 08:50 PM	45.0	43.2	11:25 PM - 11:30 PM	46.5	44.0
05:10 PM - 05:15 PM	50.3	42.7	08:50 PM - 08:55 PM	45.5	43.1	11:30 PM - 11:35 PM	44.6	43.3
05:15 PM - 05:20 PM	46.4	43.5	08:55 PM - 09:00 PM	46.1	43.8	11:35 PM - 11:40 PM	45.3	43.8
05:20 PM - 05:25 PM	48.6	44.6	09:00 PM - 09:05 PM	44.8	43.4	11:40 PM - 11:45 PM	45.0	43.8
05:25 PM - 05:30 PM	48.0	44.8	09:05 PM - 09:10 PM	44.6	43.1	11:45 PM - 11:50 PM	45.4	43.8
05:30 PM - 05:35 PM	48.1	44.8	09:10 PM - 09:15 PM	46.3	43.8	11:50 PM - 11:55 PM	44.9	43.6
05:35 PM - 05:40 PM	48.8	45.1	09:15 PM - 09:20 PM	44.6	43.6	11:55 PM - 12:00 AM	46.7	44.5
05:40 PM - 05:45 PM	48.3	44.8	09:20 PM - 09:25 PM	45.0	44.0	12:00 AM - 12:05 AM	45.7	43.6
05:45 PM - 05:50 PM	46.7	44.6	09:25 PM - 09:30 PM	46.0	44.1	12:05 AM - 12:10 AM	47.5	45.4
05:50 PM - 05:55 PM	47.4	44.7	09:30 PM - 09:35 PM	44.6	43.6	12:10 AM - 12:15 AM	48.7	44.8
05:55 PM - 06:00 PM	47.2	44.5	09:35 PM - 09:40 PM	45.1	43.9	12:15 AM - 12:20 AM	48.3	44.5
06:00 PM - 06:05 PM	48.0	44.9	09:40 PM - 09:45 PM	45.1	43.8	12:20 AM - 12:25 AM	46.5	44.1
06:05 PM - 06:10 PM	50.6	45.5	09:45 PM - 09:50 PM	44.5	43.5	12:25 AM - 12:30 AM	48.8	45.0
06:10 PM - 06:15 PM	50.4	45.3	09:50 PM - 09:55 PM	44.6	43.4	12:30 AM - 12:35 AM	46.7	43.4
06:15 PM - 06:20 PM	50.8	45.8	09:55 PM - 10:00 PM	44.6	43.3	12:35 AM - 12:40 AM	46.1	43.9
06:20 PM - 06:25 PM	45.7	45.0	10:00 PM - 10:05 PM	44.9	43.5	12:40 AM - 12:45 AM	46.3	43.9
06:25 PM - 06:30 PM	50.0	45.0	10:05 PM - 10:10 PM	44.7	43.1	12:45 AM - 12:50 AM	44.8	43.1
06:30 PM - 06:35 PM	50.2	45.4	10:10 PM - 10:15 PM	44.7	43.3	12:50 AM - 12:55 AM	44.3	43.4
06:35 PM - 06:40 PM	47.9	44.7	10:15 PM - 10:20 PM	44.6	43.3	12:55 AM - 01:00 AM	44.0	42.8
06:40 PM - 06:45 PM	48.5	44.4	10:20 PM - 10:25 PM	44.9	43.5	01:00 AM - 01:05 AM	45.1	43.2
06:45 PM - 06:50 PM	47.4	44.0	10:25 PM - 10:30 PM	44.9	43.6	01:05 AM - 01:10 AM	44.2	43.0
06:50 PM - 06:55 PM	47.8	44.1	10:30 PM - 10:35 PM	45.5	43.7	01:10 AM - 01:15 AM	44.5	43.2
06:55 PM - 07:00 PM	48.5	44.2	10:35 PM - 10:40 PM	45.3	43.5	01:15 AM - 01:20 AM	44.7	43.4
07:00 PM - 07:05 PM	46.5	44.0	10:40 PM - 10:45 PM	45.1	43.8	01:20 AM - 01:25 AM	44.3	43.1
07:05 PM - 07:10 PM	46.2	44.0	10:45 PM - 10:50 PM	46.1	44.6	01:25 AM - 01:30 AM	44.4	43.1
07:10 PM - 07:15 PM	44.5	43.7	10:50 PM - 10:55 PM	46.3	43.8	01:30 AM - 01:35 AM	44.3	42.8
07:15 PM - 07:20 PM	45.8	44.1	10:55 PM - 11:00 PM	47.0	43.9	01:35 AM - 01:40 AM	44.5	42.6
07:20 PM - 07:25 PM	45.7	43.6	11:00 PM - 11:05 PM	47.7	43.6	01:40 AM - 01:45 AM	44.6	43.1
07:25 PM - 07:30 PM	50.0	45.0	11:05 PM - 11:10 PM	47.7	43.6	01:45 AM - 01:50 AM	44.3	42.8
07:30 PM - 07:35 PM	44.2	43.6	11:10 PM - 11:15 PM	44.9	43.4	01:50 AM - 01:55 AM	46.0	43.7
07:35 PM - 07:40 PM	47.9	44.7	11:15 PM - 11:20 PM	44.7	43.4	01:55 AM - 02:00 AM	45.8	43.4

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Approved by

Sarayuht Jitranont
Assistant General Manager

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ALS LABORATORY GROUP (THAILAND) CO., LTD. Are ALS Limited Company



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number 2599077-4
Parameter Noise Level (Leq 5 min)
Location โรงไฟฟ้าพลังงานแสงอาทิตย์ (อ.แสงอาทิตย์) (N1) (GPS 47P 0746540, 1426059)
Measurement Date Nov 19 - Nov 20, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531309

Page 1 of 3

Nov 19, 2025			Nov 19, 2025			Nov 19, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
10:00 AM - 10:05 AM	48.6	45.1	12:40 PM - 12:45 PM	47.1	44.0	03:20 PM - 03:25 PM	47.8	43.4
10:05 AM - 10:10 AM	48.6	45.4	12:45 PM - 12:50 PM	47.1	43.6	03:25 PM - 03:30 PM	49.3	43.4
10:10 AM - 10:15 AM	47.7	45.2	12:50 PM - 12:55 PM	45.8	41.7	03:30 PM - 03:35 PM	44.4	41.6
10:15 AM - 10:20 AM	49.15	46.1	12:55 PM - 01:00 PM	46.1	42.4	03:35 PM - 03:40 PM	46.3	42.3
10:20 AM - 10:25 AM	46.5	43.6	01:00 PM - 01:05 PM	45.1	42.2	03:40 PM - 03:45 PM	47.0	42.2
10:25 AM - 10:30 AM	48.1	43.8	01:05 PM - 01:10 PM	43.9	42.0	03:45 PM - 03:50 PM	48.8	41.9
10:30 AM - 10:35 AM	47.4	43.7	01:10 PM - 01:15 PM	45.6	42.7	03:50 PM - 03:55 PM	46.5	42.6
10:35 AM - 10:40 AM	48.6	45.0	01:15 PM - 01:20 PM	46.9	43.8	03:55 PM - 04:00 PM	47.8	44.5
10:40 AM - 10:45 AM	47.1	43.4	01:20 PM - 01:25 PM	46.9	43.1	04:00 PM - 04:05 PM	47.8	43.9
10:45 AM - 10:50 AM	48.2	44.6	01:25 PM - 01:30 PM	46.0	43.4	04:05 PM - 04:10 PM	46.1	42.7
10:50 AM - 10:55 AM	46.4	43.5	01:30 PM - 01:35 PM	49.1	45.9	04:10 PM - 04:15 PM	47.6	44.5
10:55 AM - 11:00 AM	46.9	42.8	01:35 PM - 01:40 PM	47.6	44.3	04:15 PM - 04:20 PM	46.4	43.8
11:00 AM - 11:05 AM	46.7	44.1	01:40 PM - 01:45 PM	46.9	43.2	04:20 PM - 04:25 PM	47.5	43.8
11:05 AM - 11:10 AM	44.6	42.2	01:45 PM - 01:50 PM	45.7	43.3	04:25 PM - 04:30 PM	47.8	44.2
11:10 AM - 11:15 AM	45.4	43.4	01:50 PM - 01:55 PM	46.0	42.7	04:30 PM - 04:35 PM	53.7	44.1
11:15 AM - 11:20 AM	45.7	43.1	01:55 PM - 02:00 PM	45.6	42.8	04:35 PM - 04:40 PM	44.8	42.4
11:20 AM - 11:25 AM	46.2	43.0	02:00 PM - 02:05 PM	48.0	44.8	04:40 PM - 04:45 PM	47.5	43.0
11:25 AM - 11:30 AM	47.1	43.1	02:05 PM - 02:10 PM	47.9	44.0	04:45 PM - 04:50 PM	46.1	42.9
11:30 AM - 11:35 AM	48.0	44.4	02:10 PM - 02:15 PM	47.4	44.6	04:50 PM - 04:55 PM	46.8	43.9
11:35 AM - 11:40 AM	49.7	45.4	02:15 PM - 02:20 PM	48.2	44.5	04:55 PM - 05:00 PM	45.7	43.9
11:40 AM - 11:45 AM	50.1	43.9	02:20 PM - 02:25 PM	47.7	43.9	05:00 PM - 05:05 PM	46.2	43.8
11:45 AM - 11:50 AM	51.9	44.6	02:25 PM - 02:30 PM	46.8	43.5	05:05 PM - 05:10 PM	46.8	44.3
11:50 AM - 11:55 AM	51.3	45.1	02:30 PM - 02:35 PM	48.5	43.9	05:10 PM - 05:15 PM	44.9	43.6
11:55 AM - 12:00 PM	53.0	47.5	02:35 PM - 02:40 PM	46.8	43.9	05:15 PM - 05:20 PM	44.5	42.4
12:00 PM - 12:05 PM	51.0	47.5	02:40 PM - 02:45 PM	47.0	43.6	05:20 PM - 05:25 PM	46.0	43.9
12:05 PM - 12:10 PM	50.3	46.9	02:45 PM - 02:50 PM	46.5	43.8	05:25 PM - 05:30 PM	43.6	41.9
12:10 PM - 12:15 PM	51.4	47.5	02:50 PM - 02:55 PM	45.7	43.5	05:30 PM - 05:35 PM	51.9	42.9
12:15 PM - 12:20 PM	51.4	47.2	02:55 PM - 03:00 PM	48.5	44.2	05:35 PM - 05:40 PM	46.0	42.6
12:20 PM - 12:25 PM	52.2	46.9	03:00 PM - 03:05 PM	46.9	43.7	05:40 PM - 05:45 PM	49.0	42.9
12:25 PM - 12:30 PM	47.5	43.9	03:05 PM - 03:10 PM	45.9	43.5	05:45 PM - 05:50 PM	42.7	42.8
12:30 PM - 12:35 PM	47.4	43.2	03:10 PM - 03:15 PM	47.5	42.1	05:50 PM - 05:55 PM	45.3	42.8
12:35 PM - 12:40 PM	48.0	43.6	03:15 PM - 03:20 PM	47.8	43.9	05:55 PM - 06:00 PM	44.5	42.1



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599077
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3460126-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample Number 2599077-5
Parameter Noise Level (Leq 5 min)
Location โรงไฟฟ้าพลังงานแสงอาทิตย์ (แสงอาทิตย์) (N1) (GPS 47P 0746540, 1426059)
Measurement Date Nov 20 - Nov 21, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531309

Nov 20, 2025		Nov 20, 2025		Nov 20, 2025		Nov 20, 2025	
Time	Leq dB(A)	Time	Leq dB(A)	Time	Leq dB(A)	Time	Leq dB(A)
10:00 AM - 10:05 AM	48.1	12:40 PM - 12:45 PM	44.3	03:20 PM - 03:25 PM	48.0	06:00 PM - 06:05 PM	44.1
10:05 AM - 10:10 AM	50.1	12:45 PM - 12:50 PM	45.5	03:25 PM - 03:30 PM	46.5	06:05 PM - 06:10 PM	44.1
10:10 AM - 10:15 AM	47.8	12:50 PM - 12:55 PM	46.3	03:30 PM - 03:35 PM	46.1	06:10 PM - 06:15 PM	43.4
10:15 AM - 10:20 AM	54.3	12:55 PM - 01:00 PM	51.7	03:35 PM - 03:40 PM	49.7	06:15 PM - 06:20 PM	44.6
10:20 AM - 10:25 AM	52.0	01:00 PM - 01:05 PM	49.8	03:40 PM - 03:45 PM	48.9	06:20 PM - 06:25 PM	45.0
10:25 AM - 10:30 AM	52.0	01:05 PM - 01:10 PM	51.4	03:45 PM - 03:50 PM	47.4	06:25 PM - 06:30 PM	44.7
10:30 AM - 10:35 AM	48.2	01:10 PM - 01:15 PM	49.0	03:50 PM - 03:55 PM	48.2	06:30 PM - 06:35 PM	44.5
10:35 AM - 10:40 AM	49.8	01:15 PM - 01:20 PM	52.2	03:55 PM - 04:00 PM	58.4	06:35 PM - 06:40 PM	44.8
10:40 AM - 10:45 AM	50.2	01:20 PM - 01:25 PM	47.0	04:00 PM - 04:05 PM	50.1	06:40 PM - 06:45 PM	44.3
10:45 AM - 10:50 AM	46.5	01:25 PM - 01:30 PM	47.8	04:05 PM - 04:10 PM	45.8	06:45 PM - 06:50 PM	44.9
10:50 AM - 10:55 AM	47.7	01:30 PM - 01:35 PM	45.8	04:10 PM - 04:15 PM	45.7	06:50 PM - 06:55 PM	48.2
10:55 AM - 11:00 AM	49.0	01:35 PM - 01:40 PM	46.1	04:15 PM - 04:20 PM	48.3	06:55 PM - 07:00 PM	46.3
11:00 AM - 11:05 AM	48.9	01:40 PM - 01:45 PM	46.3	04:20 PM - 04:25 PM	47.4	07:00 PM - 07:05 PM	45.9
11:05 AM - 11:10 AM	48.8	01:45 PM - 01:50 PM	44.9	04:25 PM - 04:30 PM	45.6	07:05 PM - 07:10 PM	45.6
11:10 AM - 11:15 AM	47.0	01:50 PM - 01:55 PM	46.2	04:30 PM - 04:35 PM	45.5	07:10 PM - 07:15 PM	45.6
11:15 AM - 11:20 AM	48.8	01:55 PM - 02:00 PM	45.3	04:35 PM - 04:40 PM	62.7	07:15 PM - 07:20 PM	48.1
11:20 AM - 11:25 AM	47.0	02:00 PM - 02:05 PM	44.8	04:40 PM - 04:45 PM	61.4	07:20 PM - 07:25 PM	45.7
11:25 AM - 11:30 AM	47.7	02:05 PM - 02:10 PM	45.8	04:45 PM - 04:50 PM	53.6	07:25 PM - 07:30 PM	47.7
11:30 AM - 11:35 AM	49.6	02:10 PM - 02:15 PM	47.0	04:50 PM - 04:55 PM	44.7	07:30 PM - 07:35 PM	46.6
11:35 AM - 11:40 AM	50.9	02:15 PM - 02:20 PM	46.9	04:55 PM - 05:00 PM	53.8	07:35 PM - 07:40 PM	45.9
11:40 AM - 11:45 AM	50.5	02:20 PM - 02:25 PM	45.8	05:00 PM - 05:05 PM	56.2	07:40 PM - 07:45 PM	46.0
11:45 AM - 11:50 AM	50.8	02:25 PM - 02:30 PM	46.6	05:05 PM - 05:10 PM	57.2	07:45 PM - 07:50 PM	46.4
11:50 AM - 11:55 AM	49.6	02:30 PM - 02:35 PM	46.6	05:10 PM - 05:15 PM	51.8	07:50 PM - 07:55 PM	45.9
11:55 AM - 12:00 PM	50.1	02:35 PM - 02:40 PM	48.1	05:15 PM - 05:20 PM	56.2	07:55 PM - 08:00 PM	45.5
12:00 PM - 12:05 PM	48.7	02:40 PM - 02:45 PM	46.6	05:20 PM - 05:25 PM	59.7	08:00 PM - 08:05 PM	45.7
12:05 PM - 12:10 PM	49.6	02:45 PM - 02:50 PM	45.5	05:25 PM - 05:30 PM	44.8	08:05 PM - 08:10 PM	47.3
12:10 PM - 12:15 PM	47.7	02:50 PM - 02:55 PM	45.6	05:30 PM - 05:35 PM	46.3	08:10 PM - 08:15 PM	47.4
12:15 PM - 12:20 PM	47.9	02:55 PM - 03:00 PM	45.5	05:35 PM - 05:40 PM	44.4	08:15 PM - 08:20 PM	46.5
12:20 PM - 12:25 PM	48.6	03:00 PM - 03:05 PM	42.9	05:40 PM - 05:45 PM	46.0	08:20 PM - 08:25 PM	45.8
12:25 PM - 12:30 PM	47.8	03:05 PM - 03:10 PM	45.6	05:45 PM - 05:50 PM	45.0	08:25 PM - 08:30 PM	47.1
12:30 PM - 12:35 PM	44.4	03:10 PM - 03:15 PM	45.6	05:50 PM - 05:55 PM	45.7	08:30 PM - 08:35 PM	47.0
12:35 PM - 12:40 PM	45.6	03:15 PM - 03:20 PM	46.1	05:55 PM - 06:00 PM	47.2	08:35 PM - 08:40 PM	45.3

The above results are valid only for the analysed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Sarayuht Jitranont
Assistant General Manager

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599077
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3460126-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample Number 2599077-5
Parameter Noise Level (Leq 5 min)
Location โรงไฟฟ้าพลังงานแสงอาทิตย์ (แสงอาทิตย์) (N1) (GPS 47P 0746540, 1426059)
Measurement Date Nov 20 - Nov 21, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531309

Nov 20, 2025		Nov 20, 2025		Nov 20, 2025		Nov 20 - Nov 21, 2025	
Time	Leq dB(A)	Time	Leq dB(A)	Time	Leq dB(A)	Time	Leq dB(A)
06:00 PM - 06:05 PM	44.1	08:40 PM - 08:45 PM	45.7	08:40 PM - 08:45 PM	45.7	11:20 PM - 11:25 PM	44.3
06:05 PM - 06:10 PM	44.1	08:45 PM - 08:50 PM	45.9	08:45 PM - 08:50 PM	45.9	11:25 PM - 11:30 PM	44.4
06:10 PM - 06:15 PM	43.4	08:50 PM - 08:55 PM	46.1	08:50 PM - 08:55 PM	46.1	11:30 PM - 11:35 PM	44.3
06:15 PM - 06:20 PM	44.6	08:55 PM - 09:00 PM	45.4	08:55 PM - 09:00 PM	45.4	11:35 PM - 11:40 PM	45.6
06:20 PM - 06:25 PM	45.0	09:00 PM - 09:05 PM	45.4	09:00 PM - 09:05 PM	45.4	11:40 PM - 11:45 PM	44.6
06:25 PM - 06:30 PM	44.7	09:05 PM - 09:10 PM	45.0	09:05 PM - 09:10 PM	45.0	11:45 PM - 11:50 PM	44.7
06:30 PM - 06:35 PM	44.5	09:10 PM - 09:15 PM	44.9	09:10 PM - 09:15 PM	44.9	11:50 PM - 11:55 PM	44.0
06:35 PM - 06:40 PM	44.8	09:15 PM - 09:20 PM	45.4	09:15 PM - 09:20 PM	45.4	11:55 PM - 12:00 AM	44.1
06:40 PM - 06:45 PM	44.3	09:20 PM - 09:25 PM	44.5	09:20 PM - 09:25 PM	44.5	12:00 AM - 12:05 AM	44.1
06:45 PM - 06:50 PM	44.9	09:25 PM - 09:30 PM	45.3	09:25 PM - 09:30 PM	45.3	12:05 AM - 12:10 AM	43.8
06:50 PM - 06:55 PM	48.2	09:30 PM - 09:35 PM	45.2	09:30 PM - 09:35 PM	45.2	12:10 AM - 12:15 AM	43.7
06:55 PM - 07:00 PM	46.3	09:35 PM - 09:40 PM	45.6	09:35 PM - 09:40 PM	45.6	12:15 AM - 12:20 AM	44.1
07:00 PM - 07:05 PM	45.9	09:40 PM - 09:45 PM	45.4	09:40 PM - 09:45 PM	45.4	12:20 AM - 12:25 AM	44.8
07:05 PM - 07:10 PM	45.6	09:45 PM - 09:50 PM	45.7	09:45 PM - 09:50 PM	45.7	12:25 AM - 12:30 AM	44.5
07:10 PM - 07:15 PM	45.6	09:50 PM - 09:55 PM	45.8	09:50 PM - 09:55 PM	45.8	12:30 AM - 12:35 AM	44.4
07:15 PM - 07:20 PM	48.1	09:55 PM - 10:00 PM	46.3	09:55 PM - 10:00 PM	46.3	12:35 AM - 12:40 AM	44.2
07:20 PM - 07:25 PM	45.7	10:00 PM - 10:05 PM	45.5	10:00 PM - 10:05 PM	45.5	12:40 AM - 12:45 AM	44.5
07:25 PM - 07:30 PM	47.7	10:05 PM - 10:10 PM	45.7	10:05 PM - 10:10 PM	45.7	12:45 AM - 12:50 AM	44.7
07:30 PM - 07:35 PM	46.6	10:10 PM - 10:15 PM	43.8	10:10 PM - 10:15 PM	43.8	12:50 AM - 12:55 AM	43.9
07:35 PM - 07:40 PM	45.9	10:15 PM - 10:20 PM	44.8	10:15 PM - 10:20 PM	44.8	12:55 AM - 01:00 AM	43.9
07:40 PM - 07:45 PM	46.0	10:20 PM - 10:25 PM	45.2	10:20 PM - 10:25 PM	45.2	01:00 AM - 01:05 AM	45.0
07:45 PM - 07:50 PM	46.4	10:25 PM - 10:30 PM	45.1	10:25 PM - 10:30 PM	45.1	01:05 AM - 01:10 AM	44.9
07:50 PM - 07:55 PM	45.9	10:30 PM - 10:35 PM	45.0	10:30 PM - 10:35 PM	45.0	01:10 AM - 01:15 AM	45.0
07:55 PM - 08:00 PM	45.5	10:35 PM - 10:40 PM	44.5	10:35 PM - 10:40 PM	44.5	01:15 AM - 01:20 AM	45.0
08:00 PM - 08:05 PM	45.7	10:40 PM - 10:45 PM	44.4	10:40 PM - 10:45 PM	44.4	01:20 AM - 01:25 AM	45.0
08:05 PM - 08:10 PM	47.3	10:45 PM - 10:50 PM	43.0	10:45 PM - 10:50 PM	43.0	01:25 AM - 01:30 AM	45.1
08:10 PM - 08:15 PM	47.4	10:50 PM - 10:55 PM	42.7	10:50 PM - 10:55 PM	42.7	01:30 AM - 01:35 AM	43.9
08:15 PM - 08:20 PM	46.5	10:55 PM - 11:00 PM	42.8	10:55 PM - 11:00 PM	42.8	01:35 AM - 01:40 AM	44.8
08:20 PM - 08:25 PM	45.8	11:00 PM - 11:05 PM	43.0	11:00 PM - 11:05 PM	43.0	01:40 AM - 01:45 AM	47.5
08:25 PM - 08:30 PM	47.1	11:05 PM - 11:10 PM	44.2	11:05 PM - 11:10 PM	44.2	01:45 AM - 01:50 AM	44.3
08:30 PM - 08:35 PM	47.0	11:10 PM - 11:15 PM	44.5	11:10 PM - 11:15 PM	44.5	01:50 AM - 01:55 AM	46.7
08:35 PM - 08:40 PM	45.3	11:15 PM - 11:20 PM	44.4	11:15 PM - 11:20 PM	44.4	01:55 AM - 02:00 AM	45.4

Approved by

Sarayuht Jitranont
Assistant General Manager

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599077
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3460126-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample Number 2599077-5
Parameter Noise Level (Leq 5 min)
Location โรงไฟฟ้าพลังงานแสงอาทิตย์ (แสงอาทิตย์) (N1) (GPS 47P 0746540, 1426059)
Measurement Date Nov 20 - Nov 21, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531309

Nov 21, 2025		L90		Nov 21, 2025		L90		Nov 21, 2025		L90	
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
02:00 AM - 02:05 AM	44.9	42.6	04:40 AM - 04:45 AM	46.1	43.0	07:20 AM - 07:25 AM	50.7	45.9			
02:05 AM - 02:10 AM	45.6	42.8	04:45 AM - 04:50 AM	46.4	43.0	07:25 AM - 07:30 AM	51.4	47.5			
02:10 AM - 02:15 AM	45.2	42.5	04:50 AM - 04:55 AM	47.2	43.4	07:30 AM - 07:35 AM	49.9	46.0			
02:15 AM - 02:20 AM	44.0	42.9	04:55 AM - 05:00 AM	47.5	44.1	07:35 AM - 07:40 AM	51.1	46.5			
02:20 AM - 02:25 AM	44.3	43.3	05:00 AM - 05:05 AM	48.2	44.5	07:40 AM - 07:45 AM	49.7	46.6			
02:25 AM - 02:30 AM	45.1	43.0	05:05 AM - 05:10 AM	48.3	44.8	07:45 AM - 07:50 AM	49.1	45.8			
02:30 AM - 02:35 AM	44.6	42.6	05:10 AM - 05:15 AM	49.2	44.3	07:50 AM - 07:55 AM	49.4	45.7			
02:35 AM - 02:40 AM	45.3	43.2	05:15 AM - 05:20 AM	48.9	43.4	07:55 AM - 08:00 AM	50.2	46.5			
02:40 AM - 02:45 AM	45.2	43.1	05:20 AM - 05:25 AM	49.4	43.7	08:00 AM - 08:05 AM	49.7	46.3			
02:45 AM - 02:50 AM	45.5	42.9	05:25 AM - 05:30 AM	48.4	43.8	08:05 AM - 08:10 AM	50.3	46.0			
02:50 AM - 02:55 AM	45.2	42.9	05:30 AM - 05:35 AM	47.5	43.9	08:10 AM - 08:15 AM	51.2	45.0			
02:55 AM - 03:00 AM	45.0	42.9	05:35 AM - 05:40 AM	47.5	43.9	08:15 AM - 08:20 AM	48.9	45.5			
03:00 AM - 03:05 AM	45.3	42.8	05:40 AM - 05:45 AM	48.3	42.2	08:20 AM - 08:25 AM	49.6	45.3			
03:05 AM - 03:10 AM	45.0	42.9	05:45 AM - 05:50 AM	49.4	42.8	08:25 AM - 08:30 AM	49.1	46.8			
03:10 AM - 03:15 AM	45.1	42.9	05:50 AM - 05:55 AM	50.6	43.5	08:30 AM - 08:35 AM	49.7	46.3			
03:15 AM - 03:20 AM	46.1	42.9	05:55 AM - 06:00 AM	50.6	43.5	08:35 AM - 08:40 AM	49.7	46.0			
03:20 AM - 03:25 AM	46.4	43.7	06:00 AM - 06:05 AM	50.7	43.2	08:40 AM - 08:45 AM	48.3	45.2			
03:25 AM - 03:30 AM	46.3	44.1	06:05 AM - 06:10 AM	51.5	44.3	08:45 AM - 08:50 AM	47.4	44.5			
03:30 AM - 03:35 AM	46.4	44.1	06:10 AM - 06:15 AM	52.5	44.5	08:50 AM - 08:55 AM	47.3	45.5			
03:35 AM - 03:40 AM	46.1	43.9	06:15 AM - 06:20 AM	51.7	43.7	08:55 AM - 09:00 AM	49.0	46.0			
03:40 AM - 03:45 AM	47.0	43.9	06:20 AM - 06:25 AM	51.1	43.2	09:00 AM - 09:05 AM	48.5	46.2			
03:45 AM - 03:50 AM	46.7	43.6	06:25 AM - 06:30 AM	51.5	43.7	09:05 AM - 09:10 AM	54.3	45.6			
03:50 AM - 03:55 AM	46.8	43.7	06:30 AM - 06:35 AM	50.3	44.0	09:10 AM - 09:15 AM	47.6	45.2			
03:55 AM - 04:00 AM	47.2	44.2	06:35 AM - 06:40 AM	50.6	44.0	09:15 AM - 09:20 AM	47.0	44.9			
04:00 AM - 04:05 AM	47.7	44.0	06:40 AM - 06:45 AM	50.3	43.7	09:20 AM - 09:25 AM	47.5	44.8			
04:05 AM - 04:10 AM	45.8	43.2	06:45 AM - 06:50 AM	49.9	43.6	09:25 AM - 09:30 AM	47.7	44.8			
04:10 AM - 04:15 AM	44.7	42.8	06:50 AM - 06:55 AM	49.6	43.8	09:30 AM - 09:35 AM	45.4	43.2			
04:15 AM - 04:20 AM	46.3	42.8	06:55 AM - 07:00 AM	49.8	44.1	09:35 AM - 09:40 AM	45.9	43.8			
04:20 AM - 04:25 AM	45.5	42.7	07:00 AM - 07:05 AM	48.3	45.0	09:40 AM - 09:45 AM	45.4	43.7			
04:25 AM - 04:30 AM	46.1	43.6	07:05 AM - 07:10 AM	51.5	44.5	09:45 AM - 09:50 AM	44.9	44.3			
04:30 AM - 04:35 AM	46.5	43.6	07:10 AM - 07:15 AM	52.5	48.9	09:50 AM - 09:55 AM	47.8	44.3			
04:35 AM - 04:40 AM	46.1	43.6	07:15 AM - 07:20 AM	51.6	47.9	09:55 AM - 10:00 AM	46.5	44.4			



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599077
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3460127-1

Page 2 of 3

Sample Number 2599077-6
Parameter Noise Level (Leq 5 min)
Location โรงไฟฟ้าพลังงานแสงอาทิตย์ (แสงอาทิตย์) (N1) (GPS 47P 0746540, 1426059)
Measurement Date Nov 21 - Nov 22, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531309

Nov 21, 2025		Leq	L90	Nov 21, 2025		Leq	L90	Nov 21 - Nov 22, 2025		Leq	L90
Time		dB(A)	dB(A)	Time		dB(A)	dB(A)	Time		dB(A)	dB(A)
06:00 PM - 06:05 PM	46.2	42.7	08:40 PM - 08:45 PM	53.3	44.2	11:20 PM - 11:25 PM	43.3	42.8			
06:05 PM - 06:10 PM	45.6	43.3	08:45 PM - 08:50 PM	52.6	43.8	11:25 PM - 11:30 PM	43.0	42.6			
06:10 PM - 06:15 PM	45.5	43.9	08:50 PM - 08:55 PM	51.4	42.9	11:30 PM - 11:35 PM	43.1	42.6			
06:15 PM - 06:20 PM	45.1	43.7	08:55 PM - 09:00 PM	47.4	42.1	11:35 PM - 11:40 PM	43.2	42.5			
06:20 PM - 06:25 PM	45.3	44.0	09:00 PM - 09:05 PM	43.7	42.4	11:40 PM - 11:45 PM	43.1	42.7			
06:25 PM - 06:30 PM	46.0	44.7	09:05 PM - 09:10 PM	43.5	42.3	11:45 PM - 11:50 PM	43.4	42.9			
06:30 PM - 06:35 PM	44.6	43.4	09:10 PM - 09:15 PM	43.2	42.4	11:50 PM - 11:55 PM	43.5	43.0			
06:35 PM - 06:40 PM	44.7	43.2	09:15 PM - 09:20 PM	43.3	42.3	11:55 PM - 12:00 AM	43.7	43.1			
06:40 PM - 06:45 PM	44.1	43.1	09:20 PM - 09:25 PM	42.9	42.3	12:00 AM - 12:05 AM	43.9	42.8			
06:45 PM - 06:50 PM	45.1	42.7	09:25 PM - 09:30 PM	43.2	42.5	12:05 AM - 12:10 AM	43.0	41.9			
06:50 PM - 06:55 PM	45.5	42.9	09:30 PM - 09:35 PM	44.1	43.0	12:10 AM - 12:15 AM	42.8	42.0			
06:55 PM - 07:00 PM	47.2	43.7	09:35 PM - 09:40 PM	44.5	43.2	12:15 AM - 12:20 AM	43.6	42.9			
07:00 PM - 07:05 PM	49.1	43.8	09:40 PM - 09:45 PM	45.6	44.0	12:20 AM - 12:25 AM	43.7	42.9			
07:05 PM - 07:10 PM	50.8	43.9	09:45 PM - 09:50 PM	45.6	43.6	12:25 AM - 12:30 AM	43.5	42.5			
07:10 PM - 07:15 PM	49.3	43.8	09:50 PM - 09:55 PM	44.4	43.0	12:30 AM - 12:35 AM	43.5	42.4			
07:15 PM - 07:20 PM	47.8	43.3	09:55 PM - 10:00 PM	44.3	43.2	12:35 AM - 12:40 AM	43.6	42.5			
07:20 PM - 07:25 PM	46.8	43.4	10:00 PM - 10:05 PM	44.3	43.2	12:40 AM - 12:45 AM	44.3	42.5			
07:25 PM - 07:30 PM	47.5	43.9	10:05 PM - 10:10 PM	44.0	42.7	12:45 AM - 12:50 AM	43.8	42.6			
07:30 PM - 07:35 PM	46.8	44.1	10:10 PM - 10:15 PM	44.1	42.9	12:50 AM - 12:55 AM	45.0	43.0			
07:35 PM - 07:40 PM	47.1	43.8	10:15 PM - 10:20 PM	44.6	42.9	12:55 AM - 01:00 AM	45.3	43.4			
07:40 PM - 07:45 PM	44.9	42.7	10:20 PM - 10:25 PM	44.2	43.1	01:00 AM - 01:05 AM	45.6	43.6			
07:45 PM - 07:50 PM	50.2	43.7	10:25 PM - 10:30 PM	44.1	43.3	01:05 AM - 01:10 AM	46.0	43.8			
07:50 PM - 07:55 PM	51.3	43.8	10:30 PM - 10:35 PM	43.8	43.1	01:10 AM - 01:15 AM	45.8	43.5			
07:55 PM - 08:00 PM	52.3	43.7	10:35 PM - 10:40 PM	44.3	43.5	01:15 AM - 01:20 AM	45.2	42.9			
08:00 PM - 08:05 PM	52.2	44.7	10:40 PM - 10:45 PM	44.7	43.6	01:20 AM - 01:25 AM	44.6	42.6			
08:05 PM - 08:10 PM	52.1	44.2	10:45 PM - 10:50 PM	45.3	43.4	01:25 AM - 01:30 AM	44.3	42.9			
08:10 PM - 08:15 PM	51.7	44.5	10:50 PM - 10:55 PM	44.2	43.2	01:30 AM - 01:35 AM	44.5	42.8			
08:15 PM - 08:20 PM	52.2	44.5	10:55 PM - 11:00 PM	43.1	42.6	01:35 AM - 01:40 AM	45.1	43.2			
08:20 PM - 08:25 PM	52.0	44.0	11:00 PM - 11:05 PM	43.0	42.4	01:40 AM - 01:45 AM	44.7	43.0			
08:25 PM - 08:30 PM	53.8	44.4	11:05 PM - 11:10 PM	43.1	42.6	01:45 AM - 01:50 AM	44.8	42.6			
08:30 PM - 08:35 PM	53.7	44.4	11:10 PM - 11:15 PM	42.7	42.1	01:50 AM - 01:55 AM	44.5	42.6			
08:35 PM - 08:40 PM	53.8	44.5	11:15 PM - 11:20 PM	43.1	42.6	01:55 AM - 02:00 AM	44.0	42.7			

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Approved by

Sarayuht Jitranont
Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599077
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3460127-1

Page 3 of 3

Sample Number 2599077-7
Parameter Noise Level (Leq 5 min)
Location โรงไฟฟ้าพลังงานแสงอาทิตย์ (แสงอาทิตย์) (N1) (GPS 47P 0746540, 1426059)
Measurement Date Nov 21 - Nov 22, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531309

Nov 22, 2025		Leq	L90	Nov 22, 2025		Leq	L90	Nov 22, 2025		Leq	L90
Time		dB(A)	dB(A)	Time		dB(A)	dB(A)	Time		dB(A)	dB(A)
02:00 AM - 02:05 AM	44.5	42.9	04:40 AM - 04:45 AM	48.4	43.5	07:20 AM - 07:25 AM	47.8	42.7			
02:05 AM - 02:10 AM	44.9	43.0	04:45 AM - 04:50 AM	48.4	44.0	07:25 AM - 07:30 AM	45.0	42.3			
02:10 AM - 02:15 AM	45.3	43.4	04:50 AM - 04:55 AM	48.3	43.4	07:30 AM - 07:35 AM	46.0	42.7			
02:15 AM - 02:20 AM	45.2	43.3	04:55 AM - 05:00 AM	48.8	43.8	07:35 AM - 07:40 AM	46.8	42.0			
02:20 AM - 02:25 AM	45.3	43.3	05:00 AM - 05:05 AM	48.4	43.5	07:40 AM - 07:45 AM	46.1	42.0			
02:25 AM - 02:30 AM	45.2	43.4	05:05 AM - 05:10 AM	48.6	43.6	07:45 AM - 07:50 AM	45.8	42.6			
02:30 AM - 02:35 AM	45.5	43.0	05:10 AM - 05:15 AM	48.5	43.5	07:50 AM - 07:55 AM	44.5	42.5			
02:35 AM - 02:40 AM	46.3	43.4	05:15 AM - 05:20 AM	48.6	43.6	07:55 AM - 08:00 AM	45.3	42.1			
02:40 AM - 02:45 AM	45.7	43.2	05:20 AM - 05:25 AM	48.6	43.3	08:00 AM - 08:05 AM	45.1	42.2			
02:45 AM - 02:50 AM	45.6	43.3	05:25 AM - 05:30 AM	49.3	43.6	08:05 AM - 08:10 AM	44.3	41.4			
02:50 AM - 02:55 AM	45.7	43.2	05:30 AM - 05:35 AM	49.3	43.4	08:10 AM - 08:15 AM	46.2	41.1			
02:55 AM - 03:00 AM	45.4	43.3	05:35 AM - 05:40 AM	49.5	43.2	08:15 AM - 08:20 AM	44.9	41.6			
03:00 AM - 03:05 AM	45.1	43.3	05:40 AM - 05:45 AM	50.1	43.3	08:20 AM - 08:25 AM	43.6	41.3			
03:05 AM - 03:10 AM	45.9	43.3	05:45 AM - 05:50 AM	50.2	43.7	08:25 AM - 08:30 AM	44.2	41.4			
03:10 AM - 03:15 AM	45.8	43.1	05:50 AM - 05:55 AM	58.0	43.5	08:30 AM - 08:35 AM	43.0	41.1			
03:15 AM - 03:20 AM	45.8	43.2	05:55 AM - 06:00 AM	50.6	43.1	08:35 AM - 08:40 AM	43.0	41.1			
03:20 AM - 03:25 AM	46.1	43.4	06:00 AM - 06:05 AM	51.0	43.5	08:40 AM - 08:45 AM	41.8	40.4			
03:25 AM - 03:30 AM	46.1	43.2	06:05 AM - 06:10 AM	51.0	43.5	08:45 AM - 08:50 AM	41.9	39.5			
03:30 AM - 03:35 AM	46.0	43.4	06:10 AM - 06:15 AM	50.7	43.1	08:50 AM - 08:55 AM	44.6	40.4			
03:35 AM - 03:40 AM	46.3	43.3	06:15 AM - 06:20 AM	50.5	42.9	08:55 AM - 09:00 AM	44.4	39.9			
03:40 AM - 03:45 AM	46.4	43.3	06:20 AM - 06:25 AM	50.0	42.4	09:00 AM - 09:05 AM	43.6	41.4			
03:45 AM - 03:50 AM	46.5	43.2	06:25 AM - 06:30 AM	49.7	42.5	09:05 AM - 09:10 AM	42.8	40.8			
03:50 AM - 03:55 AM	46.6	43.3	06:30 AM - 06:35 AM	51.8	42.8	09:10 AM - 09:15 AM	43.0	41.0			
03:55 AM - 04:00 AM	45.9	42.9	06:35 AM - 06:40 AM	51.2	43.3	09:15 AM - 09:20 AM	43.6	40.7			
04:00 AM - 04:05 AM	45.8	43.2	06:40 AM - 06:45 AM	51.1	42.6	09:20 AM - 09:25 AM	44.6	42.2			
04:05 AM - 04:10 AM	46.6	43.0	06:45 AM - 06:50 AM	51.1	42.2	09:25 AM - 09:30 AM	45.4	41.8			
04:10 AM - 04:15 AM	46.5	43.3	06:50 AM - 06:55 AM	50.6	41.9	09:30 AM - 09:35 AM	44.1	42.1			
04:15 AM - 04:20 AM	46.4	42.8	06:55 AM - 07:00 AM	50.1	42.1	09:35 AM - 09:40 AM	46.1	42.9			
04:20 AM - 04:25 AM	46.3	42.4	07:00 AM - 07:05 AM	48.8	42.2	09:40 AM - 09:45 AM	44.5	41.9			
04:25 AM - 04:30 AM	46.8	42.3	07:05 AM - 07:10 AM	48.6	42.3	09:45 AM - 09:50 AM	43.6	40.6			
04:30 AM - 04:35 AM	47.0	42.9	07:10 AM - 07:15 AM	53.3	43.0	09:50 AM - 09:55 AM	43.4	41.0			
04:35 AM - 04:40 AM	48.1	43.0	07:15 AM - 07:20 AM	54.6	43.6	09:55 AM - 10:00 AM	45.0	42.0			

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Sarayuht Jitranont
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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599077
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3460128-1

Page 1 of 3

Sample Number 2599077-7
Parameter Noise Level (Leq 5 min)
Location โรงไฟฟ้าพลังงานแสงอาทิตย์ (แสงอาทิตย์) (N1) (GPS 47P 0746540, 1426059)
Measurement Date Nov 22 - Nov 23, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531309

Nov 22, 2025		Leq	L90	Nov 22, 2025		Leq	L90	Nov 22, 2025		Leq	L90
Time		dB(A)	dB(A)	Time		dB(A)	dB(A)	Time		dB(A)	dB(A)
10:00 AM - 10:05 AM	43.0	41.3	12:40 PM - 12:45 PM	43.3	41.8	03:20 PM - 03:25 PM	44.7	39.3			
10:05 AM - 10:10 AM	45.7	42.8	12:45 PM - 12:50 PM	44.3	40.6	03:25 PM - 03:30 PM	45.6	42.0			
10:10 AM - 10:15 AM	45.0	42.8	12:50 PM - 12:55 PM	45.2	41.0	03:30 PM - 03:35 PM	45.8	41.9			
10:15 AM - 10:20 AM	44.1	41.4	12:55 PM - 01:00 PM	48.3	40.8	03:35 PM - 03:40 PM	46.4	42.6			
10:20 AM - 10:25 AM	46.9	41.7	01:00 PM - 01:05 PM	45.2	41.4	03:40 PM - 03:45 PM	44.4	41.4			
10:25 AM - 10:30 AM	46.5	40.8	01:05 PM - 01:10 PM	44.1	41.2	03:45 PM - 03:50 PM	44.1	41.1			
10:30 AM - 10:35 AM	42.9	41.1	01:10 PM - 01:15 PM	41.8	39.8	03:50 PM - 03:55 PM	43.4	40.7			
10:35 AM - 10:40 AM	43.7	41.2	01:15 PM - 01:20 PM	44.7	40.7	03:55 PM - 04:00 PM	42.3	40.2			
10:40 AM - 10:45 AM	44.4	41.5	01:20 PM - 01:25 PM	44.8	42.2	04:00 PM - 04:05 PM	45.7	41.3			



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599077
Date Received : Nov 24, 2025
Date Reported : Nov 29, 2025
Report Number : 3460128-1

Page 3 of 3

Sample Number 2599077-7
Parameter Noise Level (Leq 5 min)
Location ท้องถิ่น หมู่ 2 บ้านหนองละลอก หมู่ 1 (อ.แม่เหล็ก) (N1) (GPS 47P 0746540, 1426059)
Measurement Date Nov 22 - Nov 23, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531309

Nov 23, 2025			Nov 23, 2025			Nov 23, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
02:00 AM - 02:05 AM	46.8	43.7	04:40 AM - 04:45 AM	48.0	43.5	07:20 AM - 07:25 AM	44.3	42.9
02:05 AM - 02:10 AM	47.1	44.3	04:45 AM - 04:50 AM	48.2	43.3	07:25 AM - 07:30 AM	45.1	42.8
02:10 AM - 02:15 AM	46.8	43.7	04:50 AM - 04:55 AM	48.2	43.5	07:30 AM - 07:35 AM	44.3	42.6
02:15 AM - 02:20 AM	47.0	43.7	04:55 AM - 05:00 AM	48.8	43.8	07:35 AM - 07:40 AM	44.4	42.8
02:20 AM - 02:25 AM	47.3	44.5	05:00 AM - 05:05 AM	49.0	43.7	07:40 AM - 07:45 AM	46.1	43.2
02:25 AM - 02:30 AM	46.8	44.5	05:05 AM - 05:10 AM	49.5	43.9	07:45 AM - 07:50 AM	45.4	42.8
02:30 AM - 02:35 AM	45.6	43.8	05:10 AM - 05:15 AM	46.4	43.8	07:50 AM - 07:55 AM	45.6	42.9
02:35 AM - 02:40 AM	45.0	43.2	05:15 AM - 05:20 AM	44.1	43.6	07:55 AM - 08:00 AM	46.3	42.0
02:40 AM - 02:45 AM	46.4	43.4	05:20 AM - 05:25 AM	44.3	43.8	08:00 AM - 08:05 AM	44.2	41.6
02:45 AM - 02:50 AM	46.0	43.4	05:25 AM - 05:30 AM	53.0	43.9	08:05 AM - 08:10 AM	45.2	41.4
02:50 AM - 02:55 AM	46.1	43.5	05:30 AM - 05:35 AM	47.7	43.6	08:10 AM - 08:15 AM	44.1	41.4
02:55 AM - 03:00 AM	46.7	43.3	05:35 AM - 05:40 AM	44.2	43.6	08:15 AM - 08:20 AM	44.7	41.9
03:00 AM - 03:05 AM	47.1	43.5	05:40 AM - 05:45 AM	45.1	43.9	08:20 AM - 08:25 AM	44.0	41.1
03:05 AM - 03:10 AM	46.7	43.6	05:45 AM - 05:50 AM	45.0	44.1	08:25 AM - 08:30 AM	44.8	41.1
03:10 AM - 03:15 AM	47.5	44.0	05:50 AM - 05:55 AM	45.6	44.2	08:30 AM - 08:35 AM	44.3	41.1
03:15 AM - 03:20 AM	47.5	43.4	05:55 AM - 06:00 AM	44.6	43.6	08:35 AM - 08:40 AM	44.5	42.1
03:20 AM - 03:25 AM	47.0	43.3	06:00 AM - 06:05 AM	44.7	43.7	08:40 AM - 08:45 AM	44.7	41.9
03:25 AM - 03:30 AM	46.9	43.2	06:05 AM - 06:10 AM	45.3	44.0	08:45 AM - 08:50 AM	44.3	41.8
03:30 AM - 03:35 AM	47.3	43.5	06:10 AM - 06:15 AM	44.0	43.2	08:50 AM - 08:55 AM	48.9	43.7
03:35 AM - 03:40 AM	47.6	43.3	06:15 AM - 06:20 AM	44.1	43.0	08:55 AM - 09:00 AM	44.2	41.8
03:40 AM - 03:45 AM	47.9	43.4	06:20 AM - 06:25 AM	45.0	43.0	09:00 AM - 09:05 AM	46.1	42.7
03:45 AM - 03:50 AM	47.5	43.3	06:25 AM - 06:30 AM	48.0	42.9	09:05 AM - 09:10 AM	47.3	43.3
03:50 AM - 03:55 AM	47.0	42.4	06:30 AM - 06:35 AM	44.8	42.9	09:10 AM - 09:15 AM	43.1	41.3
03:55 AM - 04:00 AM	45.6	43.3	06:35 AM - 06:40 AM	46.2	42.1	09:15 AM - 09:20 AM	44.3	41.2
04:00 AM - 04:05 AM	46.5	43.4	06:40 AM - 06:45 AM	45.4	42.5	09:20 AM - 09:25 AM	44.2	41.8
04:05 AM - 04:10 AM	46.9	43.5	06:45 AM - 06:50 AM	45.6	42.4	09:25 AM - 09:30 AM	46.2	42.8
04:10 AM - 04:15 AM	46.7	43.4	06:50 AM - 06:55 AM	45.1	42.9	09:30 AM - 09:35 AM	46.7	43.3
04:15 AM - 04:20 AM	46.7	43.3	06:55 AM - 07:00 AM	45.1	42.4	09:35 AM - 09:40 AM	45.3	42.9
04:20 AM - 04:25 AM	47.0	43.4	07:00 AM - 07:05 AM	46.1	43.2	09:40 AM - 09:45 AM	45.7	43.6
04:25 AM - 04:30 AM	47.1	43.6	07:05 AM - 07:10 AM	46.2	42.8	09:45 AM - 09:50 AM	45.5	43.5
04:30 AM - 04:35 AM	47.3	43.6	07:10 AM - 07:15 AM	45.2	42.4	09:50 AM - 09:55 AM	46.0	44.1
04:35 AM - 04:40 AM	47.8	43.6	07:15 AM - 07:20 AM	44.4	43.0	09:55 AM - 10:00 AM	45.9	43.8

Approved by
Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599077
Date Received : Nov 24, 2025
Date Reported : Nov 29, 2025
Report Number : 3460129-1

Page 1 of 3

Sample Number 2599077-8
Parameter Noise Level (Leq 5 min)
Location ท้องถิ่น หมู่ 2 บ้านหนองละลอก หมู่ 1 (อ.แม่เหล็ก) (N2) (GPS 47P 0747553, 1427385)
Measurement Date Nov 16 - Nov 17, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531299

Nov 16, 2025			Nov 16, 2025			Nov 16, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
10:00 AM - 10:05 AM	49.3	44.0	12:40 PM - 12:45 PM	48.6	38.1	03:20 PM - 03:25 PM	48.0	40.4
10:05 AM - 10:10 AM	55.4	48.4	12:45 PM - 12:50 PM	49.3	39.8	03:25 PM - 03:30 PM	50.0	42.2
10:10 AM - 10:15 AM	51.7	47.9	12:50 PM - 12:55 PM	47.0	39.9	03:30 PM - 03:35 PM	47.3	41.0
10:15 AM - 10:20 AM	50.6	45.4	12:55 PM - 01:00 PM	49.1	44.6	03:35 PM - 03:40 PM	47.5	41.9
10:20 AM - 10:25 AM	51.8	48.3	01:00 PM - 01:05 PM	46.5	40.7	03:40 PM - 03:45 PM	45.8	40.8
10:25 AM - 10:30 AM	50.8	44.6	01:05 PM - 01:10 PM	48.4	41.1	03:45 PM - 03:50 PM	47.1	39.3
10:30 AM - 10:35 AM	49.3	44.0	01:10 PM - 01:15 PM	46.9	41.1	03:50 PM - 03:55 PM	47.6	41.5
10:35 AM - 10:40 AM	46.8	39.3	01:15 PM - 01:20 PM	49.6	40.6	03:55 PM - 04:00 PM	47.2	40.5
10:40 AM - 10:45 AM	47.7	38.3	01:20 PM - 01:25 PM	47.4	38.9	04:00 PM - 04:05 PM	51.2	42.6
10:45 AM - 10:50 AM	54.5	43.9	01:25 PM - 01:30 PM	48.2	42.5	04:05 PM - 04:10 PM	47.0	41.4
10:50 AM - 10:55 AM	49.3	41.8	01:30 PM - 01:35 PM	47.0	40.8	04:10 PM - 04:15 PM	50.8	39.9
10:55 AM - 11:00 AM	47.2	40.9	01:35 PM - 01:40 PM	47.1	38.9	04:15 PM - 04:20 PM	46.0	39.1
11:00 AM - 11:05 AM	49.6	39.3	01:40 PM - 01:45 PM	49.6	43.5	04:20 PM - 04:25 PM	51.8	46.0
11:05 AM - 11:10 AM	48.0	41.9	01:45 PM - 01:50 PM	47.8	42.8	04:25 PM - 04:30 PM	48.9	42.5
11:10 AM - 11:15 AM	48.2	41.9	01:50 PM - 01:55 PM	46.4	39.5	04:30 PM - 04:35 PM	47.3	41.5
11:15 AM - 11:20 AM	48.3	42.4	01:55 PM - 02:00 PM	48.7	39.5	04:35 PM - 04:40 PM	49.0	41.6
11:20 AM - 11:25 AM	50.2	41.7	02:00 PM - 02:05 PM	49.2	39.4	04:40 PM - 04:45 PM	49.6	42.4
11:25 AM - 11:30 AM	47.3	41.3	02:05 PM - 02:10 PM	49.2	41.6	04:45 PM - 04:50 PM	50.2	42.4
11:30 AM - 11:35 AM	47.5	40.4	02:10 PM - 02:15 PM	53.0	41.0	04:50 PM - 04:55 PM	47.9	42.7
11:35 AM - 11:40 AM	49.1	42.2	02:15 PM - 02:20 PM	46.9	38.1	04:55 PM - 05:00 PM	50.8	44.0
11:40 AM - 11:45 AM	53.7	41.7	02:20 PM - 02:25 PM	52.4	40.6	05:00 PM - 05:05 PM	50.2	44.4
11:45 AM - 11:50 AM	48.6	39.3	02:25 PM - 02:30 PM	50.8	42.4	05:05 PM - 05:10 PM	51.8	44.7
11:50 AM - 11:55 AM	47.6	40.4	02:30 PM - 02:35 PM	46.7	42.1	05:10 PM - 05:15 PM	48.8	43.8
11:55 AM - 12:00 PM	50.0	38.6	02:35 PM - 02:40 PM	48.6	39.7	05:15 PM - 05:20 PM	48.9	42.7
12:00 PM - 12:05 PM	47.1	38.0	02:40 PM - 02:45 PM	53.7	43.6	05:20 PM - 05:25 PM	47.7	42.4
12:05 PM - 12:10 PM	47.1	41.5	02:45 PM - 02:50 PM	46.6	40.8	05:25 PM - 05:30 PM	48.1	43.2
12:10 PM - 12:15 PM	47.7	43.5	02:50 PM - 02:55 PM	46.4	39.8	05:30 PM - 05:35 PM	49.1	43.8
12:15 PM - 12:20 PM	48.5	42.1	02:55 PM - 03:00 PM	51.5	48.2	05:35 PM - 05:40 PM	48.4	43.0
12:20 PM - 12:25 PM	49.5	40.4	03:00 PM - 03:05 PM	52.8	41.2	05:40 PM - 05:45 PM	50.8	45.3
12:25 PM - 12:30 PM	48.8	41.2	03:05 PM - 03:10 PM	56.4	41.9	05:45 PM - 05:50 PM	47.9	44.9
12:30 PM - 12:35 PM	48.4	43.0	03:10 PM - 03:15 PM	51.6	42.0	05:50 PM - 05:55 PM	49.6	43.9
12:35 PM - 12:40 PM	47.9	41.3	03:15 PM - 03:20 PM	50.4	41.5	05:55 PM - 06:00 PM	54.7	44.3

Approved by
Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599077
Date Received : Nov 24, 2025
Date Reported : Nov 29, 2025
Report Number : 3460129-1

Page 2 of 3

Sample Number 2599077-8
Parameter Noise Level (Leq 5 min)
Location ท้องถิ่น หมู่ 2 บ้านหนองละลอก หมู่ 1 (อ.แม่เหล็ก) (N2) (GPS 47P 0747553, 1427385)
Measurement Date Nov 16 - Nov 17, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531299

Nov 16, 2025			Nov 16, 2025			Nov 16 - Nov 17, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
05:00 PM - 05:05 PM	44.9	42.4	08:40 PM - 08:45 PM	49.8	42.4	11:20 PM - 11:25 PM	40.9	39.3
05:05 PM - 05:10 PM	46.3	43.1	08:45 PM - 08:50 PM	52.0	44.9	11:25 PM - 11:30 PM	50.3	39.6
05:10 PM - 05:15 PM	47.0	42.4	08:50 PM - 08:55 PM	48.9	41.9	11:30 PM - 11:35 PM	41.0	39.8
05:15 PM - 05:20 PM	48.3	42.7	08:55 PM - 09:00 PM	45.4	41.4	11:35 PM - 11:40 PM	40.7	39.9
05:20 PM - 05:25 PM	48.2	42.9	09:00 PM - 09:05 PM	50.0	45.3	11:40 PM - 11:45 PM	43.2	39.9
05:25 PM - 05:30 PM	45.0	42.7	09:05 PM - 09:10 PM	51.1	47.1	11:45 PM - 11:50 PM	41.1	39.8
05:30 PM - 05:35 PM	47.8	43.8	09:10 PM - 09:15 PM	51.5	49.0	11:50 PM - 11:55 PM	42.9	40.2
05:35 PM - 05:40 PM	51.3	44.4	09:15 PM - 09:20 PM	55.6	50.7	11:55 PM - 12:00 AM	42.5	39.7
05:40 PM - 05:45 PM	50.5	51.2	09:20 PM - 09:25 PM	58.2	53.9	12:00 AM - 12:05 AM	40.8	39.6
05:45 PM - 05:50 PM	53.2	49.0	09:25 PM - 09:30 PM	55.6	52.9	12:05 AM - 12:10 AM	42.2	40.2
05:50 PM - 05:55 PM	54.0	50.4	09:30 PM - 09:35 PM	55.2	52.7	12:10 AM - 12:15 AM	40.7	39.9
05:55 PM - 07:00 PM	53.1	48.5	09:35 PM - 09:40 PM	50.3	46.4	12:15 AM - 12:20 AM	40.7	39.8
07:00 PM - 07:05 PM	54.7	50.9	09:40 PM - 09:45 PM	48.0	44.5	12:20 AM - 12:25 AM	40.8	39.7
07:05 PM - 07:10 PM	55.6	46.1	09:45 PM - 09:50 PM	45.7	43.5	12:25 AM - 12:30 AM	40.7	39.7
07:10 PM - 07:15 PM	55.6	46.7	09:50 PM - 09:55 PM	45.4	42.0	12:30 AM - 12:35 AM	41.2	39.9
07:15 PM - 07:20 PM	54.5	48.4	09:55 PM - 10:00 PM	45.0	41.1	12:35 AM - 12:40 AM	41.6	40.1
07:20 PM - 07:25 PM	52.6	47.2	10:00 PM - 10:05 PM	44.0	40.3	12:40 AM - 12:45 AM	50.2	39.5
07:25 PM - 07:30 PM	55.2	46.9	10:05 PM - 10:10 PM	44.0	40.1	12:45 AM - 12:50 AM	40.9	39.4
07:30 PM - 07:35 PM	51.3	47.5	10:10 PM - 10:15 PM	43.1	40.0	12:50 AM - 10:55 AM	41.0	40.1
07:35 PM - 07:40 PM	49.0	47.2	10:15 PM - 10:20 PM	43.1	40.2	10:55 AM - 11:00 AM	44.4	39.9
07:40 PM - 07:45 PM	50.6	44.8	10:20 PM - 10:25 PM	40.3	39.4	01:00 AM - 01:05 AM	44.4	39.0
07:45 PM - 07:50 PM	49.9	44.4	10:25 PM - 10:30 PM	44.3	40.4	01:05 AM - 01:10 AM	41.0	39.1
07:50 PM - 07:55 PM	48.0	44.3	10:30 PM - 10:35 PM	44.1	40.0	01:10 AM - 01:15 AM	39.8	38.6
07:55 PM - 08:00 PM	50.7	44.5	10:35 PM - 10:40 PM	42.7	40.7	01:15 AM - 01:20 AM	39.5	38.9
08:00 PM - 08:05 PM	49.1	44.6	10:40 PM - 10:45 PM	41.6	40.1	01:20 AM - 01:25 AM	39.4	38.8
08:05 PM - 08:10 PM	51.2	47.1	10:45 PM - 10:50 PM	43.3	40.1	01:25 AM - 01:30 AM	40.0	39.0
08:10 PM - 08:15 PM	48.3	42.2	10:50 PM - 10:55 PM	45.1	40.4	01:30 PM - 01:35 AM	38.8	38.2
08:15 PM - 08:20 PM	48.6	43.9	10:55 PM - 11:00 PM	41.9	39.4	01:35 AM - 01:40 AM	40.2	38.7
08:20 PM - 08:25 PM	48.2	43.8	11:00 PM - 11:05 PM	40.9	39.5	01:40 AM - 01:45 AM	39.5	38.5
08:25 PM - 08:30 PM	51.1	44.6	11:05 PM - 11:10 PM	39.9	38.1	01:45 AM - 01:50 AM	39.2	38.2
08:30 PM - 08:35 PM	48.5	44.4	11:10 PM - 11:15 PM	40.5	39.8	01:50 AM - 01:55 AM	39.8	38.1
08:35 PM - 08:40 PM	47.6	43.5	11:15 PM - 11:20 PM	45.0	39.0	01:55 AM - 02:00 AM	39.4	38.2



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023

Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number 2599077-9
Parameter Noise Level (Leq 5 min)
Location ถนนบ้าน หมู่ 2 บ้านหนองบัวลำภู 1 (อ.แม่จัน) (N2) (GPS 47P 0747553, 1427385)
Measurement Date Nov 17 - Nov 18, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531299

Nov 17, 2025		Nov 17, 2025		Nov 17, 2025		Nov 17, 2025	
Time	Leq dB(A)	Time	Leq dB(A)	Time	Leq dB(A)	Time	Leq dB(A)
10:00 AM - 10:05 AM	46.8	12:40 PM - 12:45 PM	47.5	03:20 PM - 03:25 PM	46.5	06:00 PM - 06:05 PM	47.8
10:05 AM - 10:10 AM	48.4	12:45 PM - 12:50 PM	48.9	03:25 PM - 03:30 PM	49.9	06:05 PM - 06:10 PM	49.6
10:10 AM - 10:15 AM	50.9	12:50 PM - 12:55 PM	44.2	03:30 PM - 03:35 PM	48.3	06:10 PM - 06:15 PM	47.6
10:15 AM - 10:20 AM	48.5	12:55 PM - 01:00 PM	47.0	03:35 PM - 03:40 PM	48.9	06:15 PM - 06:20 PM	48.5
10:20 AM - 10:25 AM	48.2	01:00 PM - 01:05 PM	46.4	03:40 PM - 03:45 PM	48.8	06:20 PM - 06:25 PM	56.8
10:25 AM - 10:30 AM	47.7	01:05 PM - 01:10 PM	46.7	03:45 PM - 03:50 PM	48.3	06:25 PM - 06:30 PM	46.6
10:30 AM - 10:35 AM	50.0	01:10 PM - 01:15 PM	44.1	03:50 PM - 03:55 PM	48.4	06:30 PM - 06:35 PM	48.4
10:35 AM - 10:40 AM	48.1	01:15 PM - 01:20 PM	46.7	03:55 PM - 04:00 PM	47.9	06:35 PM - 06:40 PM	57.9
10:40 AM - 10:45 AM	50.0	01:20 PM - 01:25 PM	43.8	04:00 PM - 04:05 PM	47.3	06:40 PM - 06:45 PM	45.3
10:45 AM - 10:50 AM	46.2	01:25 PM - 01:30 PM	44.8	04:05 PM - 04:10 PM	46.0	06:45 PM - 06:50 PM	50.9
10:50 AM - 10:55 AM	50.9	01:30 PM - 01:35 PM	46.7	04:10 PM - 04:15 PM	46.5	06:50 PM - 06:55 PM	46.6
10:55 AM - 11:00 AM	51.5	01:35 PM - 01:40 PM	45.7	04:15 PM - 04:20 PM	46.3	06:55 PM - 07:00 PM	47.3
11:00 AM - 11:05 AM	45.5	01:40 PM - 01:45 PM	47.3	04:20 PM - 04:25 PM	47.0	07:00 PM - 07:05 PM	49.5
11:05 AM - 11:10 AM	48.0	01:45 PM - 01:50 PM	47.1	04:25 PM - 04:30 PM	47.0	07:05 PM - 07:10 PM	51.8
11:10 AM - 11:15 AM	47.8	01:50 PM - 01:55 PM	48.1	04:30 PM - 04:35 PM	48.3	07:10 PM - 07:15 PM	49.7
11:15 AM - 11:20 AM	46.7	01:55 PM - 02:00 PM	47.0	04:35 PM - 04:40 PM	47.4	07:15 PM - 07:20 PM	47.2
11:20 AM - 11:25 AM	48.5	02:00 PM - 02:05 PM	47.4	04:40 PM - 04:45 PM	46.0	07:20 PM - 07:25 PM	46.5
11:25 AM - 11:30 AM	49.2	02:05 PM - 02:10 PM	49.9	04:45 PM - 04:50 PM	48.7	07:25 PM - 07:30 PM	48.6
11:30 AM - 11:35 AM	46.6	02:10 PM - 02:15 PM	50.6	04:50 PM - 04:55 PM	45.1	07:30 PM - 07:35 PM	45.0
11:35 AM - 11:40 AM	49.5	02:15 PM - 02:20 PM	46.8	04:55 PM - 05:00 PM	50.0	07:35 PM - 07:40 PM	51.8
11:40 AM - 11:45 AM	41.6	02:20 PM - 02:25 PM	48.9	05:00 PM - 05:05 PM	47.7	07:40 PM - 07:45 PM	48.4
11:45 AM - 11:50 AM	53.9	02:25 PM - 02:30 PM	47.6	05:05 PM - 05:10 PM	52.7	07:45 PM - 07:50 PM	46.1
11:50 AM - 11:55 AM	53.1	02:30 PM - 02:35 PM	45.8	05:10 PM - 05:15 PM	49.9	07:50 PM - 07:55 PM	44.0
11:55 AM - 12:00 PM	40.0	02:35 PM - 02:40 PM	48.1	05:15 PM - 05:20 PM	48.8	07:55 PM - 08:00 PM	44.4
12:00 PM - 12:05 PM	46.0	02:40 PM - 02:45 PM	46.7	05:20 PM - 05:25 PM	49.1	08:00 PM - 08:05 PM	45.8
12:05 PM - 12:10 PM	46.1	02:45 PM - 02:50 PM	47.7	05:25 PM - 05:30 PM	51.2	08:05 PM - 08:10 PM	45.3
12:10 PM - 12:15 PM	49.5	02:50 PM - 02:55 PM	46.8	05:30 PM - 05:35 PM	46.5	08:10 PM - 08:15 PM	48.3
12:15 PM - 12:20 PM	49.0	02:55 PM - 03:00 PM	47.5	05:35 PM - 05:40 PM	52.4	08:15 PM - 08:20 PM	45.4
12:20 PM - 12:25 PM	46.0	03:00 PM - 03:05 PM	47.5	05:40 PM - 05:45 PM	48.9	08:20 PM - 08:25 PM	47.0
12:25 PM - 12:30 PM	44.7	03:05 PM - 03:10 PM	45.1	05:45 PM - 05:50 PM	49.6	08:25 PM - 08:30 PM	51.6
12:30 PM - 12:35 PM	46.7	03:10 PM - 03:15 PM	50.8	05:50 PM - 05:55 PM	48.1	08:30 PM - 08:35 PM	49.7
12:35 PM - 12:40 PM	47.5	03:15 PM - 03:20 PM	53.3	05:55 PM - 06:00 PM	48.0	08:35 PM - 08:40 PM	44.7

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Sarayuht Jitranont
Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023

Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number 2599077-9
Parameter Noise Level (Leq 5 min)
Location ถนนบ้าน หมู่ 2 บ้านหนองบัวลำภู 1 (อ.แม่จัน) (N2) (GPS 47P 0747553, 1427385)
Measurement Date Nov 17 - Nov 18, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531299

Nov 17, 2025		Nov 17, 2025		Nov 17, 2025		Nov 17 - Nov 18, 2025	
Time	Leq dB(A)	Time	Leq dB(A)	Time	Leq dB(A)	Time	Leq dB(A)
06:00 PM - 06:05 PM	47.8	08:40 PM - 08:45 PM	52.2	11:20 PM - 11:25 PM	41.4	11:20 PM - 11:25 PM	41.4
06:05 PM - 06:10 PM	49.6	08:45 PM - 08:50 PM	44.0	11:25 PM - 11:30 PM	43.1	11:25 PM - 11:30 PM	43.1
06:10 PM - 06:15 PM	47.6	08:50 PM - 08:55 PM	44.5	11:30 PM - 11:35 PM	43.2	11:30 PM - 11:35 PM	43.2
06:15 PM - 06:20 PM	48.5	08:55 PM - 09:00 PM	45.5	11:35 PM - 11:40 PM	42.9	11:35 PM - 11:40 PM	42.9
06:20 PM - 06:25 PM	56.8	09:00 PM - 09:05 PM	44.0	11:40 PM - 11:45 PM	43.6	11:40 PM - 11:45 PM	43.6
06:25 PM - 06:30 PM	46.6	09:05 PM - 09:10 PM	44.4	11:45 PM - 11:50 PM	41.2	11:45 PM - 11:50 PM	41.2
06:30 PM - 06:35 PM	48.4	09:10 PM - 09:15 PM	43.4	11:50 PM - 11:55 PM	40.5	11:50 PM - 11:55 PM	40.5
06:35 PM - 06:40 PM	57.9	09:15 PM - 09:20 PM	44.0	11:55 PM - 12:00 AM	40.6	11:55 PM - 12:00 AM	40.6
06:40 PM - 06:45 PM	45.3	09:20 PM - 09:25 PM	43.8	12:00 AM - 12:05 AM	41.5	12:00 AM - 12:05 AM	41.5
06:45 PM - 06:50 PM	50.9	09:25 PM - 09:30 PM	42.2	12:05 AM - 12:10 AM	42.8	12:05 AM - 12:10 AM	42.8
06:50 PM - 06:55 PM	46.6	09:30 PM - 09:35 PM	43.4	12:10 AM - 12:15 AM	42.1	12:10 AM - 12:15 AM	42.1
06:55 PM - 07:00 PM	47.3	09:35 PM - 09:40 PM	44.3	12:15 AM - 12:20 AM	42.6	12:15 AM - 12:20 AM	42.6
07:00 PM - 07:05 PM	49.5	09:40 PM - 09:45 PM	45.7	12:20 AM - 12:25 AM	40.7	12:20 AM - 12:25 AM	40.7
07:05 PM - 07:10 PM	51.8	09:45 PM - 09:50 PM	45.8	12:25 AM - 12:30 AM	41.9	12:25 AM - 12:30 AM	41.9
07:10 PM - 07:15 PM	49.7	09:50 PM - 09:55 PM	44.3	12:30 AM - 12:35 AM	50.2	12:30 AM - 12:35 AM	50.2
07:15 PM - 07:20 PM	47.2	09:55 PM - 10:00 PM	42.5	12:35 AM - 12:40 AM	43.2	12:35 AM - 12:40 AM	43.2
07:20 PM - 07:25 PM	46.5	10:00 PM - 10:05 PM	42.3	12:40 AM - 12:45 AM	42.8	12:40 AM - 12:45 AM	42.8
07:25 PM - 07:30 PM	48.6	10:05 PM - 10:10 PM	45.2	12:45 AM - 12:50 AM	42.5	12:45 AM - 12:50 AM	42.5
07:30 PM - 07:35 PM	45.0	10:10 PM - 10:15 PM	42.6	12:50 AM - 12:55 AM	43.0	12:50 AM - 12:55 AM	43.0
07:35 PM - 07:40 PM	51.8	10:15 PM - 10:20 PM	42.0	12:55 AM - 01:00 AM	41.5	12:55 AM - 01:00 AM	41.5
07:40 PM - 07:45 PM	48.4	10:20 PM - 10:25 PM	45.1	01:00 AM - 01:05 AM	40.7	01:00 AM - 01:05 AM	40.7
07:45 PM - 07:50 PM	46.1	10:25 PM - 10:30 PM	41.8	01:05 AM - 01:10 AM	41.8	01:05 AM - 01:10 AM	41.8
07:50 PM - 07:55 PM	44.0	10:30 PM - 10:35 PM	40.9	01:10 AM - 01:15 AM	41.1	01:10 AM - 01:15 AM	41.1
07:55 PM - 08:00 PM	44.4	10:35 PM - 10:40 PM	40.7	01:15 AM - 01:20 AM	43.4	01:15 AM - 01:20 AM	43.4
08:00 PM - 08:05 PM	45.8	10:40 PM - 10:45 PM	42.9	01:20 AM - 01:25 AM	40.3	01:20 AM - 01:25 AM	40.3
08:05 PM - 08:10 PM	45.3	10:45 PM - 10:50 PM	41.0	01:25 AM - 01:30 AM	40.1	01:25 AM - 01:30 AM	40.1
08:10 PM - 08:15 PM	48.3	10:50 PM - 10:55 PM	40.7	01:30 AM - 01:35 AM	41.4	01:30 AM - 01:35 AM	41.4
08:15 PM - 08:20 PM	45.4	10:55 PM - 11:00 PM	41.1	01:35 AM - 01:40 AM	40.9	01:35 AM - 01:40 AM	40.9
08:20 PM - 08:25 PM	47.0	11:00 PM - 11:05 PM	40.0	01:40 AM - 01:45 AM	40.2	01:40 AM - 01:45 AM	40.2
08:25 PM - 08:30 PM	51.6	11:05 PM - 11:10 PM	42.2	01:45 AM - 01:50 AM	40.2	01:45 AM - 01:50 AM	40.2
08:30 PM - 08:35 PM	49.7	11:10 PM - 11:15 PM	39.7	01:50 AM - 01:55 AM	40.6	01:50 AM - 01:55 AM	40.6
08:35 PM - 08:40 PM	44.7	11:15 PM - 11:20 PM	41.9	01:55 AM - 02:00 AM	40.7	01:55 AM - 02:00 AM	40.7

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Approved by

Sarayuht Jitranont
Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023

Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number 2599077-9
Parameter Noise Level (Leq 5 min)
Location ถนนบ้าน หมู่ 2 บ้านหนองบัวลำภู 1 (อ.แม่จัน) (N2) (GPS 47P 0747553, 1427385)
Measurement Date Nov 17 - Nov 18, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531299

Nov 18, 2025		L90		Nov 18, 2025		L90		Nov 18, 2025		L90	
Time	Leq	dB(A)	Time	Leq	dB(A)	Time	Leq	Time	Leq	Time	Leq
02:00 AM - 02:05 AM	59.8	39.6	04:40 AM - 04:45 AM	42.7	41.5	07:20 AM - 07:25 AM	48.1	38.9			
02:05 AM - 02:10 AM	40.1	39.2	04:45 AM - 04:50 AM	44.4	41.0	07:25 AM - 07:30 AM	50.9	41.1			
02:10 AM - 02:15 AM	40.2	39.2	04:50 AM - 04:55 AM	46.7	41.8	07:30 AM - 07:35 AM	48.8	40.4			
02:15 AM - 02:20 AM	41.5	38.9	04:55 AM - 05:00 AM	44.7	41.6	07:35 AM - 07:40 AM	51.0	41.9			
02:20 AM - 02:25 AM	45.9	40.2	05:00 AM - 05:05 AM	50.3	42.2	07:40 AM - 07:45 AM	52.5	41.9			
02:25 AM - 02:30 AM	41.2	39.0	05:05 AM - 05:10 AM	49.9	42.2	07:45 AM - 07:50 AM	50.4	42.8			
02:30 AM - 02:35 AM	44.1	38.7	05:10 AM - 05:15 AM	42.9	41.9	07:50 AM - 07:55 AM	51.3	41.2			
02:35 AM - 02:40 AM	39.8	38.6	05:15 AM - 05:20 AM	44.8	41.9	07:55 AM - 08:00 AM	49.2	42.4			
02:40 AM - 02:45 AM	40.8	39.2	05:20 AM - 05:25 AM	43.6	41.5	08:00 AM - 08:05 AM	47.5	43.2			
02:45 AM - 02:50 AM	39.9	38.5	05:25 AM - 05:30 AM	45.0	41.5	08:05 AM - 08:10 AM	48.9	42.7			
02:50 AM - 02:55 AM	40.5	39.3	05:30 AM - 05:35 AM	52.1	41.7	08:10 AM - 08:15 AM	49.1	43.6			
02:55 AM - 03:00 AM	40.2	39.3	05:35 AM - 05:40 AM	44.9	42.0	08:15 AM - 08:20 AM	49.2	41.8			
03:00 AM - 03:05 AM	39.9	39.1	05:40 AM - 05:45 AM	44.7	42.0	08:20 AM - 08:25 AM	50.9	40.7			
03:05 AM - 03:10 AM	40.4	39.0	05:45 AM - 05:50 AM	52.2	42.8	08:25 AM - 08:30 AM	50.0	43.5			
03:10 AM - 03:15 AM	42.6	40.1	05:50 AM - 05:55 AM	46.3	41.6	08:30 AM - 08:35 AM	49.2	39.9			
03:15 AM - 03:20 AM	41.4	39.3	05:55 AM - 06:00 AM	46.6	42.3	08:35 AM - 08:40 AM	48.7	42.5			
03:20 AM - 03:25 AM	44.1	39.8	06:00 AM - 06:05 AM	46.6	42.3	08:40 AM - 08:45 AM	47.6	42.3			
03:25 AM - 03:30 AM	44.1	39.7	06:05 AM - 06:10 AM	48.5	42.8	08:45 AM - 08:50 AM	46.9	42.0			
03:30 AM - 03:35 AM	41.7	39.9	06:10 AM - 06:15 AM	49.9	42.3	08:50 AM - 08:55 AM	48.4	41.6			
03:35 AM - 03:40 AM	40.7	39.5	06:15 AM - 06:20 AM	49.2	41.9	08:55 AM - 09:00 AM	50.1	42.1			
03:40 AM - 03:45 AM	41.2	40.5	06:20 AM - 06:25 AM	50.5	41.5	09:00 AM - 09:05 AM	48.0	43.7			
03:45 AM - 03:50 AM	41.7	40.6	06:25 AM - 06:30 AM	46.7	41.4	09:05 AM - 09:10 AM	48.7	44.4			
03:50 AM - 03:55 AM	41.3	40.6	06:30 AM - 06:35 AM	49.4	41.9	09:10 AM - 09:15 AM	48.8	45.2			
03:55 AM - 04:00 AM	41.5	40.7	06:35 AM - 06:40 AM	48.5	40.9	09:15 AM - 09:20 AM	49.8	45.4			
04:00 AM - 04:05 AM	43.7	41.0	06:40 AM - 06:45 AM	50.5	41.6	09:20 AM - 09:25 AM	49.2	44.7			
04:05 AM - 04:10 AM	41.7	40.8	06:45 AM - 06:50 AM	50.1	40.7	09:25 AM - 09:30 AM	48.5	44.5			
04:10 AM - 04:15 AM	41.7	40.7	06:50 AM - 06:55 AM	49.6	40.6	09:30 AM - 09:35 AM	48.5	42.7			
04:15 AM - 04:20 AM	42.8	41.0	06:55 AM - 07:00 AM	51.8	41.1	09:35 AM - 09:40 AM	52.5	41.5			
04:20 AM - 04:25 AM	41.5	40.8	07:00 AM - 07:05 AM	48.8	39.7	09:40 AM - 09:45 AM	48.3	43.1			
04:25 AM - 04:30 AM	42.1	41.0	07:05 AM - 07:10 AM	47.5	39.2	09:45 AM - 09:50 AM	49.8	42.5			
04:30 AM - 04:35 AM	42.9	41.9	07:10 AM - 07:15 AM	52.3	46.2	09:50 AM - 09:55 AM	50.5	43.5			
04:35 AM - 04:40 AM	42.0	41.2	07:15 AM - 07:20 AM	49.1	41.5	09:55 AM - 10:00 AM	53.0	49.5			



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number 2599077-10
Parameter Noise Level (Leq 5 min)
Location ภาณุมาศ หมู่ 2 ชุมชนและสวนกีฬา 1 (จ.แม่เหล็ก) (N2) (GPS 47P 0747553, 1427385)
Measurement Date Nov 18 - Nov 19, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531299

Nov 18, 2025		Nov 18, 2025		Nov 18, 2025		Nov 18 - Nov 19, 2025	
Time	Leq dB(A)	Time	Leq dB(A)	Time	Leq dB(A)	Time	Leq dB(A)
06:00 PM - 06:05 PM	46.0	08:40 PM - 08:45 PM	43.4	11:20 PM - 11:25 PM	46.3	39.8	
06:05 PM - 06:10 PM	53.2	08:45 PM - 08:50 PM	46.2	11:25 PM - 11:30 PM	44.8	40.0	
06:10 PM - 06:15 PM	50.9	08:50 PM - 08:55 PM	42.9	11:30 PM - 11:35 PM	45.8	40.9	
06:15 PM - 06:20 PM	46.3	08:55 PM - 09:00 PM	48.7	11:35 PM - 11:40 PM	41.8	39.8	
06:20 PM - 06:25 PM	46.1	09:00 PM - 09:05 PM	43.4	11:40 PM - 11:45 PM	43.6	41.2	
06:25 PM - 06:30 PM	45.2	09:05 PM - 09:10 PM	51.4	11:45 PM - 11:50 PM	45.0	41.2	
06:30 PM - 06:35 PM	48.6	09:10 PM - 09:15 PM	47.5	11:50 PM - 11:55 PM	46.6	41.2	
06:35 PM - 06:40 PM	46.2	09:15 PM - 09:20 PM	46.7	11:55 PM - 12:00 AM	43.8	40.2	
06:40 PM - 06:45 PM	48.6	09:20 PM - 09:25 PM	48.6	12:00 AM - 12:05 AM	47.6	43.3	
06:45 PM - 06:50 PM	47.7	09:25 PM - 09:30 PM	44.5	12:05 AM - 12:10 AM	42.4	40.2	
06:50 PM - 06:55 PM	46.5	09:30 PM - 09:35 PM	46.5	12:10 AM - 12:15 AM	45.5	41.8	
06:55 PM - 07:00 PM	48.7	09:35 PM - 09:40 PM	48.5	12:15 AM - 12:20 AM	43.2	40.7	
07:00 PM - 07:05 PM	52.4	09:40 PM - 09:45 PM	41.4	12:20 AM - 12:25 AM	45.2	40.5	
07:05 PM - 07:10 PM	46.7	09:45 PM - 09:50 PM	44.6	12:25 AM - 12:30 AM	41.7	40.3	
07:10 PM - 07:15 PM	44.7	09:50 PM - 09:55 PM	40.0	12:30 AM - 12:35 AM	41.4	40.4	
07:15 PM - 07:20 PM	47.1	09:55 PM - 10:00 PM	42.9	12:35 AM - 12:40 AM	41.3	39.6	
07:20 PM - 07:25 PM	44.2	10:00 PM - 10:05 PM	40.9	12:40 AM - 12:45 AM	43.8	41.2	
07:25 PM - 07:30 PM	47.6	10:05 PM - 10:10 PM	41.2	12:45 AM - 12:50 AM	43.5	39.7	
07:30 PM - 07:35 PM	46.2	10:10 PM - 10:15 PM	43.2	12:50 AM - 12:55 AM	41.5	40.2	
07:35 PM - 07:40 PM	47.0	10:15 PM - 10:20 PM	44.0	12:55 AM - 01:00 AM	41.9	39.9	
07:40 PM - 07:45 PM	44.2	10:20 PM - 10:25 PM	41.9	01:00 AM - 01:05 AM	42.9	40.5	
07:45 PM - 07:50 PM	45.1	10:25 PM - 10:30 PM	41.2	01:05 AM - 01:10 AM	54.1	40.3	
07:50 PM - 07:55 PM	42.1	10:30 PM - 10:35 PM	41.1	01:10 AM - 01:15 AM	42.4	40.0	
07:55 PM - 08:00 PM	43.6	10:35 PM - 10:40 PM	52.9	01:15 AM - 01:20 AM	40.7	39.0	
08:00 PM - 08:05 PM	43.2	10:40 PM - 10:45 PM	43.0	01:20 AM - 01:25 AM	41.2	40.0	
08:05 PM - 08:10 PM	45.9	10:45 PM - 10:50 PM	51.0	01:25 AM - 01:30 AM	42.6	39.4	
08:10 PM - 08:15 PM	45.6	10:50 PM - 10:55 PM	57.1	01:30 AM - 01:35 AM	41.7	38.8	
08:15 PM - 08:20 PM	44.2	10:55 PM - 11:00 PM	46.3	01:35 AM - 01:40 AM	40.4	38.9	
08:20 PM - 08:25 PM	47.4	11:00 PM - 11:05 PM	41.9	01:40 AM - 01:45 AM	54.6	41.1	
08:25 PM - 08:30 PM	45.6	11:05 PM - 11:10 PM	41.5	01:45 AM - 01:50 AM	62.1	56.9	
08:30 PM - 08:35 PM	59.2	11:10 PM - 11:15 PM	40.5	01:50 AM - 01:55 AM	63.3	59.9	
08:35 PM - 08:40 PM	42.8	11:15 PM - 11:20 PM	41.9	01:55 AM - 02:00 AM	65.4	63.1	

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Approved by

Sarayuht Jitranont
Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number 2599077-10
Parameter Noise Level (Leq 5 min)
Location ภาณุมาศ หมู่ 2 ชุมชนและสวนกีฬา 1 (จ.แม่เหล็ก) (N2) (GPS 47P 0747553, 1427385)
Measurement Date Nov 18 - Nov 19, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531299

Nov 19, 2025		Nov 19, 2025		Nov 19, 2025		Nov 19, 2025	
Time	Leq dB(A)	Time	Leq dB(A)	Time	Leq dB(A)	Time	Leq dB(A)
02:00 AM - 02:05 AM	66.4	04:40 AM - 04:45 AM	44.3	07:20 AM - 07:25 AM	51.2	45.6	
02:05 AM - 02:10 AM	68.2	04:45 AM - 04:50 AM	44.2	07:25 AM - 07:30 AM	50.4	47.1	
02:10 AM - 02:15 AM	67.4	04:50 AM - 04:55 AM	44.1	07:30 AM - 07:35 AM	54.1	47.2	
02:15 AM - 02:20 AM	64.0	04:55 AM - 05:00 AM	44.9	07:35 AM - 07:40 AM	51.7	46.4	
02:20 AM - 02:25 AM	57.0	05:00 AM - 05:05 AM	44.6	07:40 AM - 07:45 AM	52.3	46.8	
02:25 AM - 02:30 AM	59.1	05:05 AM - 05:10 AM	45.0	07:45 AM - 07:50 AM	53.6	46.6	
02:30 AM - 02:35 AM	56.3	05:10 AM - 05:15 AM	46.2	07:50 AM - 07:55 AM	52.5	46.9	
02:35 AM - 02:40 AM	51.4	05:15 AM - 05:20 AM	43.9	07:55 AM - 08:00 AM	50.3	41.6	
02:40 AM - 02:45 AM	53.4	05:20 AM - 05:25 AM	44.6	08:00 AM - 08:05 AM	49.6	42.4	
02:45 AM - 02:50 AM	53.2	05:25 AM - 05:30 AM	44.2	08:05 AM - 08:10 AM	49.9	44.3	
02:50 AM - 02:55 AM	44.9	05:30 AM - 05:35 AM	44.5	08:10 AM - 08:15 AM	54.7	48.0	
02:55 AM - 03:00 AM	45.1	05:35 AM - 05:40 AM	45.9	08:15 AM - 08:20 AM	50.7	45.5	
03:00 AM - 03:05 AM	42.5	05:40 AM - 05:45 AM	47.7	08:20 AM - 08:25 AM	49.8	44.8	
03:05 AM - 03:10 AM	43.3	05:45 AM - 05:50 AM	47.4	08:25 AM - 08:30 AM	50.8	43.6	
03:10 AM - 03:15 AM	39.7	05:50 AM - 05:55 AM	45.5	08:30 AM - 08:35 AM	50.8	43.6	
03:15 AM - 03:20 AM	40.3	05:55 AM - 06:00 AM	46.5	08:35 AM - 08:40 AM	48.9	44.2	
03:20 AM - 03:25 AM	42.9	06:00 AM - 06:05 AM	47.5	08:40 AM - 08:45 AM	51.4	48.1	
03:25 AM - 03:30 AM	46.9	06:05 AM - 06:10 AM	47.5	08:45 AM - 08:50 AM	53.7	47.8	
03:30 AM - 03:35 AM	42.9	06:10 AM - 06:15 AM	47.2	08:50 AM - 08:55 AM	50.8	45.3	
03:35 AM - 03:40 AM	42.2	06:15 AM - 06:20 AM	48.2	08:55 AM - 09:00 AM	51.0	46.0	
03:40 AM - 03:45 AM	42.2	06:20 AM - 06:25 AM	50.1	09:00 AM - 09:05 AM	49.9	45.0	
03:45 AM - 03:50 AM	41.8	06:25 AM - 06:30 AM	48.8	09:05 AM - 09:10 AM	52.3	45.7	
03:50 AM - 03:55 AM	43.7	06:30 AM - 06:35 AM	49.9	09:10 AM - 09:15 AM	49.9	47.1	
03:55 AM - 04:00 AM	43.6	06:35 AM - 06:40 AM	49.8	09:15 AM - 09:20 AM	49.0	45.1	
04:00 AM - 04:05 AM	45.5	06:40 AM - 06:45 AM	49.2	09:20 AM - 09:25 AM	52.9	49.4	
04:05 AM - 04:10 AM	43.8	06:45 AM - 06:50 AM	48.3	09:25 AM - 09:30 AM	51.0	47.7	
04:10 AM - 04:15 AM	45.4	06:50 AM - 06:55 AM	49.7	09:30 AM - 09:35 AM	49.6	46.5	
04:15 AM - 04:20 AM	42.4	06:55 AM - 07:00 AM	47.2	09:35 AM - 09:40 AM	51.2	46.6	
04:20 AM - 04:25 AM	43.7	07:00 AM - 07:05 AM	51.7	09:40 AM - 09:45 AM	55.7	51.2	
04:25 AM - 04:30 AM	46.3	07:05 AM - 07:10 AM	51.2	09:45 AM - 09:50 AM	50.1	44.7	
04:30 AM - 04:35 AM	43.1	07:10 AM - 07:15 AM	52.9	09:50 AM - 09:55 AM	48.5	40.6	
04:35 AM - 04:40 AM	46.3	07:15 AM - 07:20 AM	52.8	09:55 AM - 10:00 AM	53.1	49.1	

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Approved by

Sarayuht Jitranont
Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number 2599077-11
Parameter Noise Level (Leq 5 min)
Location ภาณุมาศ หมู่ 2 ชุมชนและสวนกีฬา 1 (จ.แม่เหล็ก) (N2) (GPS 47P 0747553, 1427385)
Measurement Date Nov 19 - Nov 20, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531299

Nov 19, 2025		Nov 19, 2025		Nov 19, 2025		Nov 19, 2025	
Time	Leq dB(A)	Time	Leq dB(A)	Time	Leq dB(A)	Time	Leq dB(A)
10:00 AM - 10:05 AM	50.7	12:40 PM - 12:45 PM	50.3	03:20 PM - 03:25 PM	48.1	40.9	
10:05 AM - 10:10 AM	48.5	12:45 PM - 12:50 PM	54.0	03:25 PM - 03:30 PM	46.0	39.6	
10:10 AM - 10:15 AM	51.2	12:50 PM - 12:55 PM	54.0	03:30 PM - 03:35 PM	47.2	40.1	
10:15 AM - 10:20 PM	57.7	12:55 PM - 01:00 PM	51.2	03:35 PM - 03:40 PM	47.6	38.6	
10:20 AM - 10:25 AM	53.8	01:00 PM - 01:05 PM	55.1	03:40 PM - 03:45 PM	46.2	41.0	
10:25 AM - 10:30 AM	51.1	01:05 PM - 01:10 PM	49.2	03:45 PM - 03:50 PM	49.7	41.0	
10:30 AM - 10:35 AM	53.9	01:10 PM - 01:15 PM	52.8	03:50 PM - 03:55 PM	46.8	40.5	
10:35 AM - 10:40 AM	50.3	01:15 PM - 01:20 PM	49.7	03:55 PM - 04:00 PM	48.7	43.2	
10:40 AM - 10:45 AM	53.3	01:20 PM - 01:25 PM	54.6	04:00 PM - 04:05 PM	49.5	44.6	
10:45 AM - 10:50 AM	50.4	01:25 PM - 01:30 PM	52.6	04:05 PM - 04:10 PM	52.6	47.6	
10:50 AM - 10:55 AM	52.3	01:30 PM - 01:35 PM	58.6	04:10 PM - 04:15 PM	46.3	43.1	
10:55 AM - 11:00 AM	49.4	01:35 PM - 01:40 PM	51.3	04:15 PM - 04:20 PM	45.4	38.6	
11:00 AM - 11:05 AM	53.3	01:40 PM - 01:45 PM	55.6	04:20 PM - 04:25 PM	46.4	39.5	
11:05 AM - 11:10 AM	48.7	01:45 PM - 01:50 PM	51.7	04:25 PM - 04:30 PM	46.9	40.6	
11:10 AM - 11:15 AM	49.5	01:50 PM - 01:55 PM	53.4	04:30 PM - 04:35 PM	50.5	43.2	
11:15 AM - 11:20 AM	48.7	01:55 PM - 02:00 PM	50.4	04:35 PM - 04:40 PM	46.1	39.1	
11:20 AM - 11:25 AM	52.0	02:00 PM - 02:05 PM	51.4	04:40 PM - 04:45 PM	47.6	41.9	
11:25 AM - 11:30 AM	49.3	02:05 PM - 02:10 PM	50.0	04:45 PM - 04:50 PM	48.1	39.9	
11:30 AM - 11:35 AM	47.6	02:10 PM - 02:15 PM	50.4	04:50 PM - 04:55 PM	47.9	39.7	
11:35 AM - 11:40 AM	51.2	02:15 PM - 02:20 PM	51.5	04:55 PM - 05:00 PM	46.6	40.9	
11:40 AM - 11:45 AM	50.8	02:20 PM - 02:25 PM	50.0	05:00 PM - 05:05 PM	48.6	41.5	
11:45 AM - 11:50 AM	47.4	02:25 PM - 02:30 PM	48.4	05:05 PM - 05:10 PM	51.4	45.3	
11:50 AM - 11:55 AM	53.3	02:30 PM - 02:35 PM	52.4	05:10 PM - 05:15 PM	49.5	42.1	
11:55 AM - 12:00 PM	53.1	02:35 PM - 02:40 PM	53.2	05:15 PM - 05:20 PM	49.6	43.3	
12:00 PM - 12:05 PM	52.6	02:40 PM - 02:45 PM	49.5	05:20 PM - 05:25 PM	50.2	41.8	
12:05 PM - 12:10 PM	53.4	02:45 PM - 02:50 PM	54.9	05:25 PM - 05:30 PM	48.4	42.0	
12:10 PM - 12:15 PM	51.3	02:50 PM - 02:55 PM	48.9	05:30 PM - 05:35 PM	51.2	41.3	
12:15 PM - 12:20 PM	48.6	02:55 PM - 03:00 PM	48.2	05:35 PM - 05:40 PM	49.3	40.9	
12:20 PM - 12:25 PM	49.5	03:00 PM - 03:05 PM	48.8	05:40 PM - 05:45 PM	48.2	40.0	
12:25 PM - 12:30 PM	52.3	03:05 PM - 03:10 PM	46.1	05:45 PM - 05:50 PM	54.1	42.9	
12:30 PM - 12:35 PM	53.3	03:10 PM - 03:15 PM	47.5	05:50 PM - 05:55 PM	48.2	41.0	
12:35 PM - 12:40 PM	49.0	03:15 PM - 03:20 PM	47.1	05:55 PM - 06:00 PM	47.0	40.4	

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number 2599077-11
Parameter Noise Level (Leq 5 min)
Location ถนนหน้า หมู่ 2 บ้านนาแอมกู่ ซอย 1 (อ.แม่เหล็ก) (N2) (GPS 47P 0747553, 1427385)
Measurement Date Nov 20 - Nov 21, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531299

Page 3 of 3

Nov 20, 2025		Leq	L90	Nov 20, 2025		Leq	L90	Nov 20, 2025		Leq	L90
Time		dB(A)	dB(A)	Time		dB(A)	dB(A)	Time		dB(A)	dB(A)
02:00 AM - 02:05 AM	45.1	40.3	04:40 AM - 04:45 AM	46.0	40.3	07:20 AM - 07:25 AM	53.9	46.3	10:00 AM - 10:05 AM	53.0	48.8
02:05 AM - 02:10 AM	48.8	44.3	04:45 AM - 04:50 AM	44.2	40.1	07:25 AM - 07:30 AM	52.0	44.7	10:05 AM - 10:10 AM	53.2	49.4
02:10 AM - 02:15 AM	49.7	43.0	04:50 AM - 04:55 AM	50.2	42.1	07:30 AM - 07:35 AM	53.0	46.4	10:10 AM - 10:15 AM	56.1	48.6
02:15 AM - 02:20 AM	51.0	44.3	04:55 AM - 05:00 AM	49.4	42.2	07:35 AM - 07:40 AM	54.2	43.5	10:15 AM - 10:20 AM	52.4	48.4
02:20 AM - 02:25 AM	51.9	45.1	05:00 AM - 05:05 AM	43.4	39.9	07:40 AM - 07:45 AM	53.1	48.2	10:20 AM - 10:25 AM	53.7	45.1
02:25 AM - 02:30 AM	48.0	42.2	05:05 AM - 05:10 AM	43.6	40.4	07:45 AM - 07:50 AM	51.5	45.4	10:25 AM - 10:30 AM	50.2	45.6
02:30 AM - 02:35 AM	51.0	44.9	05:10 AM - 05:15 AM	43.6	40.0	07:50 AM - 07:55 AM	53.1	48.3	10:30 AM - 10:35 AM	48.8	43.9
02:35 AM - 02:40 AM	54.8	44.6	05:15 AM - 05:20 AM	43.0	39.2	07:55 AM - 08:00 AM	51.7	47.9	10:35 AM - 10:40 AM	49.9	45.3
02:40 AM - 02:45 AM	45.5	42.1	05:20 AM - 05:25 AM	42.3	39.7	08:00 AM - 08:05 AM	52.5	48.6	10:40 AM - 10:45 AM	53.5	48.7
02:45 AM - 02:50 AM	47.1	42.9	05:25 AM - 05:30 AM	41.5	39.1	08:05 AM - 08:10 AM	54.0	48.5	10:45 AM - 10:50 AM	48.7	44.9
02:50 AM - 02:55 AM	45.2	40.8	05:30 AM - 05:35 AM	42.5	39.1	08:10 AM - 08:15 AM	54.1	49.3	10:50 AM - 10:55 AM	47.9	44.4
02:55 AM - 03:00 AM	44.5	40.6	05:35 AM - 05:40 AM	44.8	39.7	08:15 AM - 08:20 AM	53.2	49.0	10:55 AM - 11:00 AM	49.8	43.3
03:00 AM - 03:05 AM	45.9	41.3	05:40 AM - 05:45 AM	42.7	39.1	08:20 AM - 08:25 AM	54.8	49.1	11:00 AM - 11:05 AM	49.3	44.9
03:05 AM - 03:10 AM	46.1	40.4	05:45 AM - 05:50 AM	49.7	40.0	08:25 AM - 08:30 AM	54.4	48.3	11:05 AM - 11:10 AM	50.3	44.8
03:10 AM - 03:15 AM	50.1	44.8	05:50 AM - 05:55 AM	46.0	39.3	08:30 AM - 08:35 AM	54.7	49.1	11:10 AM - 11:15 AM	51.6	46.1
03:15 AM - 03:20 AM	47.1	43.1	05:55 AM - 06:00 AM	47.2	42.8	08:35 AM - 08:40 AM	52.6	48.0	11:15 AM - 11:20 AM	47.9	43.3
03:20 AM - 03:25 AM	45.3	39.7	06:00 AM - 06:05 AM	51.6	44.3	08:40 AM - 08:45 AM	54.4	50.2	11:20 AM - 11:25 AM	52.2	45.2
03:25 AM - 03:30 AM	44.6	41.3	06:05 AM - 06:10 AM	51.6	43.1	08:45 AM - 08:50 AM	56.9	50.9	11:25 AM - 11:30 AM	51.6	48.2
03:30 AM - 03:35 AM	47.1	40.2	06:10 AM - 06:15 AM	51.9	41.6	08:50 AM - 08:55 AM	54.6	50.4	11:30 AM - 11:35 AM	51.2	46.0
03:35 AM - 03:40 AM	42.5	39.0	06:15 AM - 06:20 AM	50.7	41.2	08:55 AM - 09:00 AM	55.0	49.8	11:35 AM - 11:40 AM	49.6	45.2
03:40 AM - 03:45 AM	42.2	38.6	06:20 AM - 06:25 AM	48.5	39.7	09:00 AM - 09:05 AM	54.1	47.6	11:40 AM - 11:45 AM	49.3	45.3
03:45 AM - 03:50 AM	40.5	38.8	06:25 AM - 06:30 AM	49.7	42.1	09:05 AM - 09:10 AM	49.6	44.7	11:45 AM - 11:50 AM	52.1	45.2
03:50 AM - 03:55 AM	45.9	38.6	06:30 AM - 06:35 AM	40.2	43.2	09:10 AM - 09:15 AM	50.7	42.9	11:50 AM - 11:55 AM	48.4	43.5
03:55 AM - 04:00 AM	41.9	38.3	06:35 AM - 06:40 AM	49.5	40.1	09:15 AM - 09:20 AM	49.9	45.1	11:55 AM - 12:00 PM	48.3	43.2
04:00 AM - 04:05 AM	42.5	39.6	06:40 AM - 06:45 AM	51.5	44.1	09:20 AM - 09:25 AM	50.5	42.1	12:00 PM - 12:05 PM	48.2	43.9
04:05 AM - 04:10 AM	40.2	38.9	06:45 AM - 06:50 AM	51.8	43.6	09:25 AM - 09:30 AM	47.8	43.1	12:05 PM - 12:10 PM	49.4	44.3
04:10 AM - 04:15 AM	41.8	38.8	06:50 AM - 06:55 AM	48.8	42.2	09:30 AM - 09:35 AM	49.1	42.4	12:10 PM - 12:15 PM	48.5	43.7
04:15 AM - 04:20 AM	41.5	38.9	06:55 AM - 07:00 AM	50.4	45.0	09:35 AM - 09:40 AM	46.4	41.8	12:15 PM - 12:20 PM	47.4	41.3
04:20 AM - 04:25 AM	44.5	39.6	07:00 AM - 07:05 AM	51.5	45.2	09:40 AM - 09:45 AM	47.8	43.5	12:20 PM - 12:25 PM	47.7	41.9
04:25 AM - 04:30 AM	44.5	40.2	07:05 AM - 07:10 AM	51.9	47.7	09:45 AM - 09:50 AM	52.9	45.1	12:25 PM - 12:30 PM	48.5	44.6
04:30 AM - 04:35 AM	43.5	40.1	07:10 AM - 07:15 AM	51.8	47.6	09:50 AM - 09:55 AM	48.8	45.1	12:30 PM - 12:35 PM	48.9	42.0
04:35 AM - 04:40 AM	44.2	39.4	07:15 AM - 07:20 AM	54.7	45.9	09:55 AM - 10:00 AM	49.0	45.3	12:35 PM - 12:40 PM	52.0	42.1

The above results are valid only for the analysed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that the report is not reproduced except in full.

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number 2599077-12
Parameter Noise Level (Leq 5 min)
Location ถนนหน้า หมู่ 2 บ้านนาแอมกู่ ซอย 1 (อ.แม่เหล็ก) (N2) (GPS 47P 0747553, 1427385)
Measurement Date Nov 20 - Nov 21, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531299

Page 2 of 3

Nov 20, 2025		Leq	L90	Nov 20, 2025		Leq	L90	Nov 20 - Nov 21, 2025		Leq	L90
Time		dB(A)	dB(A)	Time		dB(A)	dB(A)	Time		dB(A)	dB(A)
05:00 PM - 05:05 PM	58.1	40.7	08:40 PM - 08:45 PM	45.7	39.2	11:20 PM - 11:25 PM	37.4	35.7	02:00 AM - 02:05 AM	42.0	36.8
05:05 PM - 05:10 PM	50.0	40.9	08:45 PM - 08:50 PM	45.3	38.9	11:25 PM - 11:30 PM	41.2	38.8	02:05 AM - 02:10 AM	38.3	36.4
05:10 PM - 05:15 PM	45.5	40.7	08:50 PM - 08:55 PM	41.8	39.0	11:30 PM - 11:35 PM	56.9	40.9	02:10 AM - 02:15 AM	43.0	36.3
05:15 PM - 05:20 PM	46.6	40.2	08:55 PM - 09:00 PM	40.5	38.5	11:35 PM - 11:40 PM	47.1	39.7	02:15 AM - 02:20 AM	39.5	35.9
05:20 PM - 05:25 PM	52.0	41.2	09:00 PM - 09:05 PM	44.0	38.4	11:40 PM - 11:45 PM	51.6	39.9	02:20 AM - 02:25 AM	44.7	38.9
05:25 PM - 05:30 PM	46.3	39.4	09:05 PM - 09:10 PM	44.2	38.5	11:45 PM - 11:50 PM	40.8	37.9	02:25 AM - 02:30 AM	44.3	41.2
05:30 PM - 05:35 PM	59.3	40.1	09:10 PM - 09:15 PM	40.5	37.9	11:50 PM - 11:55 PM	38.1	35.9	02:30 AM - 02:35 AM	46.2	42.7
05:35 PM - 05:40 PM	63.8	41.0	09:15 PM - 09:20 PM	42.1	38.0	11:55 PM - 12:00 AM	36.9	35.7	02:35 AM - 02:40 AM	46.2	41.4
05:40 PM - 05:45 PM	71.4	44.3	09:20 PM - 09:25 PM	42.0	37.7	12:00 AM - 12:05 AM	40.6	35.9	02:40 AM - 02:45 AM	48.8	44.9
05:45 PM - 05:50 PM	71.7	45.1	09:25 PM - 09:30 PM	42.5	38.1	12:05 AM - 12:10 AM	36.6	35.7	02:45 AM - 02:50 AM	49.0	46.6
05:50 PM - 05:55 PM	50.9	40.6	09:30 PM - 09:35 PM	47.4	38.1	12:10 AM - 12:15 AM	65.7	36.1	02:50 AM - 02:55 AM	53.6	49.4
05:55 PM - 06:00 PM	46.5	40.2	09:35 PM - 09:40 PM	46.7	39.6	12:15 AM - 12:20 AM	48.8	35.4	02:55 AM - 03:00 AM	46.9	43.9
06:00 PM - 06:05 PM	48.4	40.5	09:40 PM - 09:45 PM	47.4	38.2	12:20 AM - 12:25 AM	36.7	35.5	03:00 AM - 03:05 AM	45.7	40.9
06:05 PM - 06:10 PM	49.6	41.7	09:45 PM - 09:50 PM	41.3	37.5	12:25 AM - 12:30 AM	38.6	35.8	03:05 AM - 03:10 AM	42.3	39.5
06:10 PM - 06:15 PM	45.8	41.3	09:50 PM - 09:55 PM	42.8	39.8	12:30 AM - 12:35 AM	36.4	35.6	03:10 AM - 03:15 AM	46.4	43.3
06:15 PM - 06:20 PM	47.5	41.4	09:55 PM - 10:00 PM	44.6	41.6	12:35 AM - 12:40 AM	36.3	35.6	03:15 AM - 03:20 AM	46.5	41.9
06:20 PM - 06:25 PM	45.9	40.1	10:00 PM - 10:05 PM	43.0	40.3	12:40 AM - 12:45 AM	37.7	35.2	03:20 AM - 03:25 AM	44.1	40.7
06:25 PM - 06:30 PM	46.3	41.2	10:05 PM - 10:10 PM	44.8	41.6	12:45 AM - 12:50 AM	36.6	35.2	03:25 AM - 03:30 AM	42.5	39.8
06:30 PM - 06:35 PM	44.9	41.2	10:10 PM - 10:15 PM	44.0	40.8	12:50 AM - 12:55 AM	39.2	35.7	03:30 AM - 03:35 AM	41.2	39.1
06:35 PM - 06:40 PM	49.9	41.2	10:15 PM - 10:20 PM	46.9	41.3	12:55 AM - 01:00 AM	39.1	36.3	03:35 AM - 03:40 AM	55.8	40.6
06:40 PM - 06:45 PM	46.0	41.6	10:20 PM - 10:25 PM	41.9	38.7	01:00 AM - 01:05 AM	37.4	36.1	03:40 AM - 03:45 AM	46.7	42.1
06:45 PM - 06:50 PM	45.2	41.6	10:25 PM - 10:30 PM	41.8	39.1	01:05 AM - 01:10 AM	37.2	36.3	03:45 AM - 03:50 AM	55.7	41.3
06:50 PM - 06:55 PM	44.2	40.5	10:30 PM - 10:35 PM	41.8	38.7	01:10 AM - 01:15 AM	42.1	37.3	03:50 AM - 03:55 AM	52.8	39.7
06:55 PM - 07:00 PM	45.8	40.2	10:35 PM - 10:40 PM	50.9	37.8	01:15 AM - 01:20 AM	38.8	36.5	03:55 AM - 04:00 AM	41.5	39.4
07:00 PM - 07:05 PM	46.1	41.0	10:40 PM - 10:45 PM	41.9	37.9	01:20 AM - 01:25 AM	38.0	37.1	04:00 AM - 04:05 AM	40.0	38.5
07:05 PM - 07:10 PM	50.3	42.4	10:45 PM - 10:50 PM	39.6	38.1	01:25 AM - 01:30 AM	42.5	36.7	04:05 AM - 04:10 AM	42.8	39.2
07:10 PM - 07:15 PM	47.2	42.1	10:50 PM - 10:55 PM	40.3	38.0	01:30 AM - 01:35 AM	42.7	36.7	04:10 AM - 04:15 AM	41.4	38.8
07:15 PM - 07:20 PM	45.1	41.2	10:55 PM - 11:00 PM	38.9	37.4	01:35 AM - 01:40 AM	37.7	35.8	04:15 AM - 04:20 AM	41.0	38.4
07:20 PM - 07:25 PM	45.0	40.9	11:00 PM - 11:05 PM	48.0	37.6	01:40 AM - 01:45 AM	37.5	35.8	04:20 AM - 04:25 AM	42.6	39.4
07:25 PM - 07:30 PM	44.8	39.9	11:05 PM - 11:10 PM	38.6	36.4	01:45 AM - 01:50 AM	38.7	36.4	04:25 AM - 04:30 AM	44.0	42.0
07:30 PM - 07:35 PM	41.3	39.8	11:10 PM - 11:15 PM	39.5	36.6	01:50 AM - 01:55 AM	39.1	36.8	04:30 AM - 04:35 AM	41.7	40.4
07:35 PM - 07:40 PM	49.9	41.2	11:15 PM - 11:20 PM	40.0	35.8	01:55 AM - 02:00 AM	39.1	35.9	04:35 AM - 04:40 AM	43.8	40.1

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number 2599077-12
Parameter Noise Level (Leq 5 min)
Location ถนนหน้า หมู่ 2 บ้านนาแอมกู่ ซอย 1 (อ.แม่เหล็ก) (N2) (GPS 47P 0747553, 1427385)
Measurement Date Nov 20 - Nov 21, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531299

Page 1 of 3

Nov 20, 2025				Nov 20, 2025				Nov 20, 2025			
Time		Leq	L90	Time		Leq	L90	Time		Leq	L90
		dB(A)	dB(A)			dB(A)	dB(A)			dB(A)	dB(A)
10:00 AM - 10:05 AM	53.0	48.8	12:40 PM - 12:45 PM	48.7	44.2	03:20 PM - 03:25 PM	51.3	47.2			
10:05 AM - 10:10 AM	53.2	49.4	12:45 PM - 12:50 PM	51.9	41.8	03:25 PM - 03:30 PM	53.0	49.0			
10:10 AM - 10:15 AM	56.1	48.6	12:50 PM - 12:55 PM	52.7	40.9	03:30 PM - 03:35 PM	48.9	42.8			
10:15 AM - 10:20 AM	53.5	49.4	12:55 PM - 01:00 PM	50.0	47.5	03:35 PM - 03:40 PM	51.4	47.1			
10:20 AM - 10:25 AM	53.7	45.1	01:00 PM - 01:05 PM	47.8	43.2	03:40 PM - 03:45 PM	47.0	41.1			
10:25 AM - 10:30 AM	50.2	45.6	01:05 PM - 01:10 PM	47.9	42.5	03:45 PM - 03:50 PM	48.1	42.6			
10:30 AM - 10:35 AM	48.8	43.9	01:10 PM - 01:15 PM	50.2	45.3	03:50 PM - 03:55 PM	48.5	42.1			
10:35 AM - 10:40 AM	49.9	45.3	01:15 PM - 01:20 PM	49.8	44.3	03:55 PM - 04:00 PM	48.6	39.6			
10:40 AM - 10:45 AM	53.0	46.7	01:20 PM - 01:25 PM	49.8	44.0	04:00 PM - 04:05 PM	45.5	38.5			
10:45 AM - 10:50 AM	48.7	44.9	01:25 PM - 01:30 PM	49.8	41.5	04:05 PM - 04:10 PM	53.4	42.4			
10:50 AM - 10:55 AM	47.9	43.4	01:30 PM - 01:35 PM	48.9	43.3	04:10 PM - 04:15 PM	46.7	39.4			
10:55 AM - 11:00 AM	49.8	43.3	01:35 PM - 01:40 PM	52.0	42.6	04:15 PM - 04:20 PM	47.5	39.1			
11:00 AM - 11:05 AM	49.3	44.9	01:40 PM - 01:45 PM	47.8	41.1	04:20 PM - 04:25 PM	50.6	39.9			
11:05 AM - 11:10 AM	50.5	44.9	01:45 PM - 01:50 PM	50.5	44.9	04:25 PM - 04:30 PM	48.0	40.4			
11:10 AM - 11:15 AM	51.6	46.1	01:50 PM - 01:55 PM	50.7	44.7	04:30 PM - 04:35 PM	47.6	39.8			
11:15 AM - 11:20 AM	47.9	43.3	01:55 PM - 02:00 PM	49.0	44.3	04:35 PM - 04:40 PM	44.7	39.4			
11:20 AM - 11:25 AM	52.2	45.2	02:00 PM - 02:05 PM	56.9	44.2	04:40 PM - 04:45 PM	47.0	42.5			
11:25 AM - 11:30 AM	51.6	48.2	02:05 PM - 02:10 PM	53.7	42.2	04:45 PM - 04:50 PM	52.4	41.1			
11:30 AM - 11:35 AM	51.2	46.0	02:10 PM - 02:15 PM	46.7	41.2	04:50 PM - 04:55 PM	48.7	43.2			
11:35 AM - 11:40 AM	49.35	45.1	02:15 PM - 02:20 PM	51.2	45.5	04:55 PM - 05:00 PM	51.3	42.2			
11:40 AM - 11:45 AM	49.3	45.3	02:20 PM - 02:25 PM	59.2	47.3	05:00 PM - 05:05 PM	47.6	42.4			
11:45 AM - 11:50 AM	52.1	45.2	02:25 PM - 02:30 PM	61.3	46.9	05:05 PM - 05:10 PM	52.8	45.2			
11:50 AM - 11:55 AM	48.4	43.5	02:30 PM - 02:35 PM	51.1	44.9	05:10 PM - 05:15 PM	50.9	45.4			
11:55 AM - 12:00 AM	48.3	43.2	02:35 PM - 02:40 PM	47.4	43.0	05:15 PM - 05:20 PM	48.6	44.3			
12:00 AM - 12:05 PM	48.0	43.9	02:40 PM - 02:45 PM	51.5	44.5	05:20 PM - 05:25 PM	50.0	44.9			
12:05 PM - 12:10 PM	49.4	44.3	02:45 PM - 02:50 PM	47.4	41.2	05:25 PM - 05:30 PM	49.6	44.6			
12:10 PM - 12:15 PM	48.5	43.7	02:50 PM - 02:55 PM	55.1	45.5	05:30 PM - 05:35 PM	51.0	43.7			
12:15 PM - 12:20 PM	47.4	41.3	02:55 PM - 03:00 PM	48.8	44.3	05:35 PM - 05:40 PM	50.0	46.8			
12:20 PM - 12:25 PM	47.7	41.9	03:00 PM - 03:05 PM	48.7	44.0	05:40 PM - 05:45 PM	48.1	43.5			
12:25 PM - 12:30 PM	47.5	41.9	03:05 PM - 03:10 PM	50.5	44.1	05:45 PM - 05:50 PM	47.1	41.9			
12:30 PM - 12:35 PM	48.9	42.0	03:10 PM - 03:15 PM	50.2	44.9	05:50 PM - 05:55 PM	48.5	41.6			
12:35 PM - 12:40 PM	52.0	42.1	03:15 PM - 03:20 PM	50.9	42.1	05:55 PM - 06:00 PM	49.7	40.0			



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number 2599077-13
Parameter Noise Level (Leq 5 min)
Location ภาณุบาล หมู่ 2 บ้านหนองละลอก หมู่ 1 (อ.แม่เหล็ก) (N2) (GPS 47P 0747553, 1427385)
Measurement Date Nov 21 - Nov 22, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531299

Nov 21, 2025		Nov 21, 2025		Nov 21, 2025		Nov 21, 2025	
Time	Leq dB(A)	Time	Leq dB(A)	Time	Leq dB(A)	Time	Leq dB(A)
10:00 AM - 10:05 AM	49.0	12:40 PM - 12:45 PM	54.4	03:20 PM - 03:25 PM	47.1	39.9	
10:05 AM - 10:10 AM	47.8	12:45 PM - 12:50 PM	68.9	03:25 PM - 03:30 PM	47.2	40.8	
10:10 AM - 10:15 AM	50.0	12:50 PM - 12:55 PM	71.7	03:30 PM - 03:35 PM	47.4	40.5	
10:15 AM - 10:20 AM	49.0	12:55 PM - 01:00 PM	69.1	03:35 PM - 03:40 PM	45.0	39.3	
10:20 AM - 10:25 AM	49.2	01:00 PM - 01:05 PM	65.5	03:40 PM - 03:45 PM	47.3	39.6	
10:25 AM - 10:30 AM	48.9	01:05 PM - 01:10 PM	55.9	03:45 PM - 03:50 PM	48.6	41.7	
10:30 AM - 10:35 AM	49.1	01:10 PM - 01:15 PM	45.6	03:50 PM - 03:55 PM	45.5	41.5	
10:35 AM - 10:40 AM	50.3	01:15 PM - 01:20 PM	50.2	03:55 PM - 04:00 PM	48.8	41.0	
10:40 AM - 10:45 AM	50.1	01:20 PM - 01:25 PM	56.2	04:00 PM - 04:05 PM	46.6	42.0	
10:45 AM - 10:50 AM	49.8	01:25 PM - 01:30 PM	53.0	04:05 PM - 04:10 PM	49.7	45.3	
10:50 AM - 10:55 AM	49.5	01:30 PM - 01:35 PM	46.2	04:10 PM - 04:15 PM	48.6	44.3	
10:55 AM - 11:00 AM	52.4	01:35 PM - 01:40 PM	54.6	04:15 PM - 04:20 PM	48.7	43.9	
11:00 AM - 11:05 AM	46.3	01:40 PM - 01:45 PM	55.9	04:20 PM - 04:25 PM	51.4	45.2	
11:05 AM - 11:10 AM	49.5	01:45 PM - 01:50 PM	62.6	04:25 PM - 04:30 PM	49.1	45.3	
11:10 AM - 11:15 AM	52.3	01:50 PM - 01:55 PM	46.7	04:30 PM - 04:35 PM	51.2	44.9	
11:15 AM - 11:20 AM	49.5	01:55 PM - 02:00 PM	46.4	04:35 PM - 04:40 PM	48.7	43.2	
11:20 AM - 11:25 AM	49.7	02:00 PM - 02:05 PM	47.8	04:40 PM - 04:45 PM	54.3	44.0	
11:25 AM - 11:30 AM	51.3	02:05 PM - 02:10 PM	47.9	04:45 PM - 04:50 PM	50.7	43.8	
11:30 AM - 11:35 AM	52.1	02:10 PM - 02:15 PM	55.7	04:50 PM - 04:55 PM	47.4	42.8	
11:35 AM - 11:40 AM	48.2	02:15 PM - 02:20 PM	55.2	04:55 PM - 05:00 PM	47.6	42.9	
11:40 AM - 11:45 AM	49.1	02:20 PM - 02:25 PM	48.6	05:00 PM - 05:05 PM	51.3	42.6	
11:45 AM - 11:50 AM	50.8	02:25 PM - 02:30 PM	45.3	05:05 PM - 05:10 PM	49.1	42.3	
11:50 AM - 11:55 AM	48.5	02:30 PM - 02:35 PM	48.4	05:10 PM - 05:15 PM	50.7	42.6	
11:55 AM - 12:00 PM	49.9	02:35 PM - 02:40 PM	48.3	05:15 PM - 05:20 PM	49.6	43.9	
12:00 PM - 12:05 PM	50.3	02:40 PM - 02:45 PM	52.6	05:20 PM - 05:25 PM	50.2	41.7	
12:05 PM - 12:10 PM	50.1	02:45 PM - 02:50 PM	47.0	05:25 PM - 05:30 PM	53.4	42.7	
12:10 PM - 12:15 PM	50.5	02:50 PM - 02:55 PM	46.6	05:30 PM - 05:35 PM	52.0	43.3	
12:15 PM - 12:20 PM	49.0	02:55 PM - 03:00 PM	50.5	05:35 PM - 05:40 PM	49.1	42.8	
12:20 PM - 12:25 PM	47.7	03:00 PM - 03:05 PM	51.2	05:40 PM - 05:45 PM	47.6	42.0	
12:25 PM - 12:30 PM	48.4	03:05 PM - 03:10 PM	46.5	05:45 PM - 05:50 PM	47.8	41.7	
12:30 PM - 12:35 PM	48.5	03:10 PM - 03:15 PM	49.4	05:50 PM - 05:55 PM	50.2	41.9	
12:35 PM - 12:40 PM	56.0	03:15 PM - 03:20 PM	49.1	05:55 PM - 06:00 PM	48.2	40.3	

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Sarayuht Jitranont
Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number 2599077-13
Parameter Noise Level (Leq 5 min)
Location ภาณุบาล หมู่ 2 บ้านหนองละลอก หมู่ 1 (อ.แม่เหล็ก) (N2) (GPS 47P 0747553, 1427385)
Measurement Date Nov 21 - Nov 22, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531299

Nov 21, 2025		Nov 21, 2025		Nov 21, 2025		Nov 21, 2025	
Time	Leq dB(A)	Time	Leq dB(A)	Time	Leq dB(A)	Time	Leq dB(A)
06:00 PM - 06:05 PM	46.9	08:40 PM - 08:45 PM	46.5	11:20 PM - 11:25 PM	46.3	37.2	
06:05 PM - 06:10 PM	49.0	08:45 PM - 08:50 PM	46.7	11:25 PM - 11:30 PM	44.1	36.5	
06:10 PM - 06:15 PM	45.8	08:50 PM - 08:55 PM	44.6	11:30 PM - 11:35 PM	46.0	36.4	
06:15 PM - 06:20 PM	47.5	08:55 PM - 09:00 PM	44.1	11:35 PM - 11:40 PM	49.8	37.0	
06:20 PM - 06:25 PM	54.9	09:00 PM - 09:05 PM	44.9	11:40 PM - 11:45 PM	42.2	36.5	
06:25 PM - 06:30 PM	46.4	09:05 PM - 09:10 PM	42.7	11:45 PM - 11:50 PM	60.5	37.7	
06:30 PM - 06:35 PM	47.3	09:10 PM - 09:15 PM	40.9	11:50 PM - 11:55 PM	45.0	36.8	
06:35 PM - 06:40 PM	44.5	09:15 PM - 09:20 PM	42.9	11:55 PM - 12:00 AM	41.6	36.9	
06:40 PM - 06:45 PM	47.1	09:20 PM - 09:25 PM	42.2	12:00 AM - 12:05 AM	44.6	37.1	
06:45 PM - 06:50 PM	49.7	09:25 PM - 09:30 PM	39.6	12:05 AM - 12:10 AM	40.1	36.3	
06:50 PM - 06:55 PM	50.2	09:30 PM - 09:35 PM	39.8	12:10 AM - 12:15 AM	38.6	36.7	
06:55 PM - 07:00 PM	46.5	09:35 PM - 09:40 PM	42.7	12:15 AM - 12:20 AM	41.3	36.5	
07:00 PM - 07:05 PM	44.6	09:40 PM - 09:45 PM	50.3	12:20 AM - 12:25 AM	39.1	36.5	
07:05 PM - 07:10 PM	46.2	09:45 PM - 09:50 PM	43.7	12:25 AM - 12:30 AM	40.3	37.0	
07:10 PM - 07:15 PM	45.4	09:50 PM - 09:55 PM	45.0	12:30 AM - 12:35 AM	45.0	36.7	
07:15 PM - 07:20 PM	46.7	09:55 PM - 10:00 PM	42.9	12:35 AM - 12:40 AM	38.1	36.6	
07:20 PM - 07:25 PM	47.4	10:00 PM - 10:05 PM	42.7	12:40 AM - 12:45 AM	38.1	36.5	
07:25 PM - 07:30 PM	47.8	10:05 PM - 10:10 PM	39.9	12:45 AM - 12:50 AM	37.5	36.5	
07:30 PM - 07:35 PM	47.4	10:10 PM - 10:15 PM	38.6	12:50 AM - 12:55 AM	40.8	36.9	
07:35 PM - 07:40 PM	49.3	10:15 PM - 10:20 PM	39.9	12:55 AM - 01:00 AM	38.7	37.2	
07:40 PM - 07:45 PM	48.0	10:20 PM - 10:25 PM	43.2	01:00 AM - 01:05 AM	41.0	37.2	
07:45 PM - 07:50 PM	45.0	10:25 PM - 10:30 PM	50.6	01:05 AM - 01:10 AM	38.5	37.1	
07:50 PM - 07:55 PM	47.1	10:30 PM - 10:35 PM	38.4	01:10 AM - 01:15 AM	40.4	37.4	
07:55 PM - 08:00 PM	45.9	10:35 PM - 10:40 PM	43.6	01:15 AM - 01:20 AM	39.5	37.6	
08:00 PM - 08:05 PM	50.3	10:40 PM - 10:45 PM	45.1	01:20 AM - 01:25 AM	39.6	37.0	
08:05 PM - 08:10 PM	45.6	10:45 PM - 10:50 PM	48.3	01:25 AM - 01:30 AM	37.6	36.7	
08:10 PM - 08:15 PM	46.5	10:50 PM - 10:55 PM	42.9	01:30 AM - 01:35 AM	48.6	36.4	
08:15 PM - 08:20 PM	47.3	10:55 PM - 11:00 PM	39.9	01:35 AM - 01:40 AM	37.9	35.5	
08:20 PM - 08:25 PM	46.1	11:00 PM - 11:05 PM	40.2	01:40 AM - 01:45 AM	37.8	35.8	
08:25 PM - 08:30 PM	46.0	11:05 PM - 11:10 PM	50.8	01:45 AM - 01:50 AM	37.7	35.5	
08:30 PM - 08:35 PM	46.2	11:10 PM - 11:15 PM	54.3	01:50 AM - 01:55 AM	38.9	35.8	
08:35 PM - 08:40 PM	48.1	11:15 PM - 11:20 PM	52.8	01:55 AM - 02:00 AM	37.1	35.6	

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number 2599077-13
Parameter Noise Level (Leq 5 min)
Location ภาณุบาล หมู่ 2 บ้านหนองละลอก หมู่ 1 (อ.แม่เหล็ก) (N2) (GPS 47P 0747553, 1427385)
Measurement Date Nov 21 - Nov 22, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531299

Nov 21, 2025		Nov 21, 2025		Nov 21, 2025		Nov 21, 2025	
Time	Leq dB(A)	Time	Leq dB(A)	Time	Leq dB(A)	Time	Leq dB(A)
02:00 AM - 02:05 AM	37.1	04:40 AM - 04:45 AM	43.1	07:20 AM - 07:25 AM	47.9	41.5	
02:05 AM - 02:10 AM	37.5	04:45 AM - 04:50 AM	43.2	07:25 AM - 07:30 AM	47.6	41.3	
02:10 AM - 02:15 AM	40.3	04:50 AM - 04:55 AM	43.4	07:30 AM - 07:35 AM	48.7	40.4	
02:15 AM - 02:20 AM	40.9	04:55 AM - 05:00 AM	43.0	07:35 AM - 07:40 AM	48.0	41.3	
02:20 AM - 02:25 AM	39.4	05:00 AM - 05:05 AM	42.4	07:40 AM - 07:45 AM	48.6	40.7	
02:25 AM - 02:30 AM	38.2	05:05 AM - 05:10 AM	43.5	07:45 AM - 07:50 AM	48.2	41.1	
02:30 AM - 02:35 AM	38.1	05:10 AM - 05:15 AM	43.2	07:50 AM - 07:55 AM	47.7	39.7	
02:35 AM - 02:40 AM	39.1	05:15 AM - 05:20 AM	43.4	07:55 AM - 08:00 AM	49.8	41.5	
02:40 AM - 02:45 AM	38.5	05:20 AM - 05:25 AM	43.5	08:00 AM - 08:05 AM	49.0	39.2	
02:45 AM - 02:50 AM	39.7	05:25 AM - 05:30 AM	43.6	08:05 AM - 08:10 AM	46.5	42.1	
02:50 AM - 02:55 AM	39.6	05:30 AM - 05:35 AM	44.4	08:10 AM - 08:15 AM	47.7	40.1	
02:55 AM - 03:00 AM	39.8	05:35 AM - 05:40 AM	43.0	08:15 AM - 08:20 AM	47.8	40.5	
03:00 AM - 03:05 AM	40.2	05:40 AM - 05:45 AM	44.0	08:20 AM - 08:25 AM	47.5	42.5	
03:05 AM - 03:10 AM	59.4	05:45 AM - 05:50 AM	46.0	08:25 AM - 08:30 AM	48.7	44.4	
03:10 AM - 03:15 AM	65.4	05:50 AM - 05:55 AM	45.1	08:30 AM - 08:35 AM	47.5	39.8	
03:15 AM - 03:20 AM	55.5	05:55 AM - 06:00 AM	44.2	08:35 AM - 08:40 AM	45.9	40.7	
03:20 AM - 03:25 AM	40.8	06:00 AM - 06:05 AM	43.5	08:40 AM - 08:45 AM	48.0	42.0	
03:25 AM - 03:30 AM	63.4	06:05 AM - 06:10 AM	44.5	08:45 AM - 08:50 AM	55.2	42.0	
03:30 AM - 03:35 AM	65.5	06:10 AM - 06:15 AM	60.0	08:50 AM - 08:55 AM	50.7	40.6	
03:35 AM - 03:40 AM	60.6	06:15 AM - 06:20 AM	61.5	08:55 AM - 09:00 AM	47.2	43.4	
03:40 AM - 03:45 AM	50.7	06:20 AM - 06:25 AM	58.5	09:00 AM - 09:05 AM	50.9	43.7	
03:45 AM - 03:50 AM	41.4	06:25 AM - 06:30 AM	53.4	09:05 AM - 09:10 AM	50.7	43.1	
03:50 AM - 03:55 AM	40.7	06:30 AM - 06:35 AM	46.2	09:10 AM - 09:15 AM	47.6	42.4	
03:55 AM - 04:00 AM	40.4	06:35 PM - 06:40 AM	46.8	09:15 AM - 09:20 AM	51.6	42.0	
04:00 AM - 04:05 AM	40.3	06:40 AM - 06:45 AM	44.9	09:20 AM - 09:25 AM	46.4	41.7	
04:05 AM - 04:10 AM	43.9	06:45 AM - 06:50 AM	48.0	09:25 AM - 09:30 AM	48.2	43.4	
04:10 AM - 04:15 AM	45.9	06:50 AM - 06:55 AM	48.5	09:30 AM - 09:35 AM	50.3	43.3	
04:15 AM - 04:20 AM	52.3	06:55 AM - 07:00 AM	49.1	09:35 AM - 09:40 AM	48.4	42.6	
04:20 AM - 04:25 AM	42.6	07:00 AM - 07:05 AM	54.1	09:40 AM - 09:45 AM	48.2	44.8	
04:25 AM - 04:30 AM	42.0	07:05 AM - 07:10 AM	51.2	09:45 AM - 09:50 AM	49.7	44.8	
04:30 AM - 04:35 AM	51.0	07:10 AM - 07:15 AM	51.1	09:50 AM - 09:55 AM	49.0	45.6	
04:35 AM - 04:40 AM	63.4	07:15 AM - 07:20 AM	51.5	09:55 AM - 10:00 AM	48.7	44.4	

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599077
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3460135-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample Number 2599077-14
Parameter Noise Level (Leq 5 min)
Location ถนนบ้าน หมู่ 2 ชำนาญและสวน หมู่ 1 (จ.แม่เหล็ก) (N2) (GPS 47P 0747553, 1427385)
Measurement Date Nov 22 - Nov 23, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531299

Nov 22, 2025		Leq	L90	Nov 22, 2025		Leq	L90	Nov 22 - Nov 23, 2025		Leq	L90
Time		dB(A)	dB(A)	Time		dB(A)	dB(A)	Time		dB(A)	dB(A)
06:00 PM - 06:05 PM	49.1	40.1	08:40 PM - 08:45 PM	45.8	40.5	11:20 PM - 11:25 PM	40.2	37.0			
06:05 PM - 06:10 PM	54.1	41.8	08:45 PM - 08:50 PM	43.9	40.3	11:25 PM - 11:30 PM	38.0	36.7			
06:10 PM - 06:15 PM	50.1	42.1	08:50 PM - 08:55 PM	42.7	40.4	11:30 PM - 11:35 PM	42.2	37.1			
06:15 PM - 06:20 PM	47.9	42.3	08:55 PM - 09:00 PM	44.1	40.4	11:35 PM - 11:40 PM	41.6	37.4			
06:20 PM - 06:25 PM	46.5	41.5	09:00 PM - 09:05 PM	47.8	40.9	11:40 PM - 11:45 PM	42.4	37.8			
06:25 PM - 06:30 PM	48.4	42.6	09:05 PM - 09:10 PM	45.3	39.8	11:45 PM - 11:50 PM	39.9	37.7			
06:30 PM - 06:35 PM	46.9	41.7	09:10 PM - 09:15 PM	44.8	40.2	11:50 PM - 11:55 PM	43.1	37.4			
06:35 PM - 06:40 PM	48.1	41.9	09:15 PM - 09:20 PM	40.4	39.3	11:55 PM - 12:00 AM	41.9	37.4			
06:40 PM - 06:45 PM	46.8	40.5	09:20 PM - 09:25 PM	47.5	39.9	12:00 AM - 12:05 AM	43.4	37.2			
06:45 PM - 06:50 PM	49.9	40.7	09:25 PM - 09:30 PM	46.5	40.0	12:05 AM - 12:10 AM	36.9	36.0			
06:50 PM - 06:55 PM	47.4	41.0	09:30 PM - 09:35 PM	43.8	39.5	12:10 AM - 12:15 AM	41.4	36.4			
06:55 PM - 07:00 PM	51.5	41.3	09:35 PM - 09:40 PM	40.9	40.1	12:15 AM - 12:20 AM	45.7	36.5			
07:00 PM - 07:05 PM	45.2	41.5	09:40 PM - 09:45 PM	51.7	38.4	12:20 AM - 12:25 AM	41.6	37.4			
07:05 PM - 07:10 PM	46.2	41.0	09:45 PM - 09:50 PM	47.4	39.0	12:25 AM - 12:30 AM	41.3	36.1			
07:10 PM - 07:15 PM	47.6	41.5	09:50 PM - 09:55 PM	45.9	39.3	12:30 AM - 12:35 AM	41.4	36.5			
07:15 PM - 07:20 PM	46.6	43.3	09:55 PM - 10:00 PM	50.5	41.3	12:35 AM - 12:40 AM	37.4	36.5			
07:20 PM - 07:25 PM	44.9	42.6	10:00 PM - 10:05 PM	51.8	41.1	12:40 AM - 12:45 AM	38.3	37.5			
07:25 PM - 07:30 PM	50.1	42.5	10:05 PM - 10:10 PM	49.3	39.8	12:45 AM - 12:50 AM	43.7	39.7			
07:30 PM - 07:35 PM	46.6	41.3	10:10 PM - 10:15 PM	45.5	38.1	12:50 AM - 12:55 AM	45.3	40.6			
07:35 PM - 07:40 PM	46.6	41.6	10:15 PM - 10:20 PM	41.8	37.4	12:55 AM - 01:00 AM	42.9	39.9			
07:40 PM - 07:45 PM	45.0	41.8	10:20 PM - 10:25 PM	38.9	36.1	01:00 AM - 01:05 AM	42.7	37.4			
07:45 PM - 07:50 PM	47.2	40.9	10:25 PM - 10:30 PM	37.4	36.0	01:05 AM - 01:10 AM	38.3	36.5			
07:50 PM - 07:55 PM	51.0	40.8	10:30 PM - 10:35 PM	41.1	36.8	01:10 AM - 01:15 AM	36.9	36.0			
07:55 PM - 08:00 PM	44.5	41.0	10:35 PM - 10:40 PM	43.5	37.4	01:15 AM - 01:20 AM	38.0	36.4			
08:00 PM - 08:05 PM	48.5	41.3	10:40 PM - 10:45 PM	50.7	38.0	01:20 AM - 01:25 AM	46.0	39.6			
08:05 PM - 08:10 PM	50.6	43.1	10:45 PM - 10:50 PM	47.5	37.8	01:25 AM - 01:30 AM	38.4	37.1			
08:10 PM - 08:15 PM	47.8	42.3	10:50 PM - 10:55 PM	47.3	37.4	01:30 AM - 01:35 AM	37.8	36.3			
08:15 PM - 08:20 PM	43.6	41.4	10:55 PM - 11:00 PM	41.3	37.0	01:35 AM - 01:40 AM	38.1	36.2			
08:20 PM - 08:25 PM	49.2	41.1	11:00 PM - 11:05 PM	41.7	37.8	01:40 AM - 01:45 AM	37.5	36.4			
08:25 PM - 08:30 PM	42.2	40.6	11:05 PM - 11:10 PM	42.0	38.0	01:45 AM - 01:50 AM	38.8	36.1			
08:30 PM - 08:35 PM	46.7	41.4	11:10 PM - 11:15 PM	39.3	38.1	01:50 AM - 01:55 AM	37.2	36.3			
08:35 PM - 08:40 PM	50.0	40.8	11:15 PM - 11:20 PM	45.9	38.5	01:55 AM - 02:00 AM	44.7	36.5			

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599077
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3460135-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample Number 2599077-14
Parameter Noise Level (Leq 5 min)
Location ถนนบ้าน หมู่ 2 ชำนาญและสวน หมู่ 1 (จ.แม่เหล็ก) (N2) (GPS 47P 0747553, 1427385)
Measurement Date Nov 22 - Nov 23, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531299

Nov 23, 2025		Leq	L90	Nov 23, 2025		Leq	L90	Nov 23, 2025		Leq	L90
Time		dB(A)	dB(A)	Time		dB(A)	dB(A)	Time		dB(A)	dB(A)
02:00 AM - 02:05 AM	39.4	37.2	04:40 AM - 04:45 AM	40.3	39.0	07:20 AM - 07:25 AM	47.5	41.4			
02:05 AM - 02:10 AM	38.1	37.0	04:45 AM - 04:50 AM	41.9	38.6	07:25 AM - 07:30 AM	52.3	41.7			
02:10 AM - 02:15 AM	38.4	37.1	04:50 AM - 04:55 AM	43.4	38.7	07:30 AM - 07:35 AM	51.0	42.5			
02:15 AM - 02:20 AM	41.8	36.7	04:55 AM - 05:00 AM	44.3	38.9	07:35 AM - 07:40 AM	48.7	41.9			
02:20 AM - 02:25 AM	37.7	36.0	05:00 AM - 05:05 AM	45.1	38.7	07:40 AM - 07:45 AM	45.8	39.3			
02:25 AM - 02:30 AM	36.9	35.0	05:05 AM - 05:10 AM	43.1	38.9	07:45 AM - 07:50 AM	47.9	39.3			
02:30 AM - 02:35 AM	39.1	35.3	05:10 AM - 05:15 AM	45.0	38.9	07:50 AM - 07:55 AM	48.4	39.5			
02:35 AM - 02:40 AM	36.3	34.8	05:15 AM - 05:20 AM	42.0	39.3	07:55 AM - 08:00 AM	44.1	39.5			
02:40 AM - 02:45 AM	36.0	34.5	05:20 AM - 05:25 AM	43.2	39.5	08:00 AM - 08:05 AM	47.8	41.0			
02:45 AM - 02:50 AM	38.1	35.0	05:25 AM - 05:30 AM	41.6	39.3	08:05 AM - 08:10 AM	46.7	41.0			
02:50 AM - 02:55 AM	36.2	34.8	05:30 AM - 05:35 AM	47.9	39.8	08:10 AM - 08:15 AM	47.2	42.1			
02:55 AM - 03:00 AM	38.5	35.2	05:35 AM - 05:40 AM	43.1	39.9	08:15 AM - 08:20 AM	46.8	41.1			
03:00 AM - 03:05 AM	36.9	34.9	05:40 AM - 05:45 AM	49.5	41.0	08:20 AM - 08:25 AM	50.5	41.8			
03:05 AM - 03:10 AM	37.3	35.4	05:45 AM - 05:50 AM	44.5	40.7	08:25 AM - 08:30 AM	46.8	41.7			
03:10 AM - 03:15 AM	40.2	36.2	05:50 AM - 05:55 AM	42.3	40.5	08:30 AM - 08:35 AM	47.3	41.6			
03:15 AM - 03:20 AM	41.2	36.5	05:55 AM - 06:00 AM	46.1	41.3	08:35 AM - 08:40 AM	46.4	40.6			
03:20 AM - 03:25 AM	42.9	36.7	06:00 AM - 06:05 AM	46.3	39.5	08:40 AM - 08:45 AM	49.2	43.9			
03:25 AM - 03:30 AM	41.5	37.0	06:05 AM - 06:10 AM	45.5	39.9	08:45 AM - 08:50 AM	51.6	39.8			
03:30 AM - 03:35 AM	42.2	37.4	06:10 AM - 06:15 AM	50.0	39.9	08:50 AM - 08:55 AM	48.5	43.0			
03:35 AM - 03:40 AM	41.6	37.1	06:15 AM - 06:20 AM	53.4	40.5	08:55 AM - 09:00 AM	52.2	43.7			
03:40 AM - 03:45 AM	40.6	36.8	06:20 AM - 06:25 AM	52.3	39.2	09:00 AM - 09:05 AM	50.3	43.6			
03:45 AM - 03:50 AM	37.8	36.5	06:25 AM - 06:30 AM	50.5	40.7	09:05 AM - 09:10 AM	49.1	43.6			
03:50 AM - 03:55 AM	39.3	37.0	06:30 AM - 06:35 AM	55.1	39.7	09:10 AM - 09:15 AM	48.5	43.7			
03:55 AM - 04:00 AM	39.6	37.1	06:35 AM - 06:40 AM	48.7	39.9	09:15 AM - 09:20 AM	48.1	43.7			
04:00 AM - 04:05 AM	40.9	38.3	06:40 AM - 06:45 AM	45.1	38.8	09:20 AM - 09:25 AM	50.8	42.8			
04:05 AM - 04:10 AM	40.1	38.2	06:45 AM - 06:50 AM	45.0	39.6	09:25 AM - 09:30 AM	48.8	41.3			
04:10 AM - 04:15 AM	39.0	38.3	06:50 AM - 06:55 AM	47.8	40.7	09:30 AM - 09:35 AM	44.1	37.0			
04:15 AM - 04:20 AM	40.5	38.4	06:55 AM - 07:00 AM	47.0	41.1	09:35 AM - 09:40 AM	47.1	41.7			
04:20 AM - 04:25 AM	39.6	38.5	07:00 AM - 07:05 AM	51.9	40.9	09:40 AM - 09:45 AM	48.7	42.1			
04:25 AM - 04:30 AM	42.4	39.4	07:05 AM - 07:10 AM	48.6	40.4	09:45 AM - 09:50 AM	51.2	43.4			
04:30 AM - 04:35 AM	43.8	39.1	07:10 AM - 07:15 AM	48.4	41.8	09:50 AM - 09:55 AM	48.8	39.4			
04:35 AM - 04:40 AM	41.1	38.8	07:15 AM - 07:20 AM	52.7	41.9	09:55 AM - 10:00 AM	48.5	40.1			

The above results are valid only for the analysed/tested sample(s) as indicated in the report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

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Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599077
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3460136-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample Number 2599077-15
Parameter Noise Level (Leq 5 min)
Location ถนนบ้าน หมู่ 2 ชำนาญและสวน หมู่ 2 (จ.แม่เหล็ก) (N3) (GPS 47P 0745668, 1429442)
Measurement Date Nov 16 - Nov 17, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 1120937

Nov 16, 2025			Nov 16, 2025			Nov 16, 2025		
Time	Leq	L90	Time	Leq	L90	Time	Leq	L90
	dB(A)	dB(A)		dB(A)	dB(A)		dB(A)	dB(A)
10:00 AM - 10:05 AM	60.1	47.3	12:40 PM - 12:45 PM	59.7	53.1	03:20 PM - 03:25 PM	58.1	47.4
10:05 AM - 10:10 AM	55.2	44.6	12:45 PM - 12:50 PM	59.3	53.2	03:25 PM - 03:30 PM	50.6	46.4
10:10 AM - 10:15 AM	58.8	45.2	12:50 PM - 12:55 PM	60.3	52.1	03:30 PM - 03:35 PM	47.1	45.8
10:15 AM - 10:20 AM	52.0	46.5	12:55 PM - 01:00 PM	58.1	50.9	03:35 PM - 03:40 PM	57.3	46.2
10:20 AM - 10:25 AM	49.5	46.1	01:00 PM - 01:05 PM	58.0	49.9	03:40 PM - 03:45 PM	49.7	46.1
10:25 AM - 10:30 AM	59.1	46.6	01:05 PM - 01:10 PM	57.5	48.4	03:45 PM - 03:50 PM	61.8	47.4
10:30 AM - 10:35 AM	47.3	44.4	01:10 PM - 01:15 PM	58.5	49.1	03:50 PM - 03:55 PM	53.9	45.0
10:35 AM - 10:40 AM	56.5	44.9	01:15 PM - 01:20 PM	51.8	48.5	03:55 PM - 04:00 PM	61.6	47.5
10:40 AM - 10:45 AM	50.0	44.1	01:20 PM - 01:25 PM	53.9	48.4	04:00 PM - 04:05 PM	57.1	45.9
10:45 AM - 10:50 AM	54.1	45.2	01:25 PM - 01:30 PM	54.0	48.3	04:05 PM - 04:10 PM	50.4	46.4
10:50 AM - 10:55 AM	48.6	43.2	01:30 PM - 01:35 PM	51.1	48.0	04:10 PM - 04:15 PM	53.4	43.9
10:55 AM - 11:00 AM	48.3	42.4	01:35 PM - 01:40 PM	59.4	47.1	04:15 PM - 04:20 PM	61.7	43.4
11:00 AM - 11:05 AM	59.4	42.0	01:40 PM - 01:45 PM	56.8	48.1	04:20 PM - 04:25 PM	53.0	43.2
11:05 AM - 11:10 AM	49.9	41.8	01:45 PM - 01:50 PM	53.9	46.9	04:25 PM - 04:30 PM	59.5	45.7
11:10 AM - 11:15 AM	46.1	41.9	01:50 PM - 01:55 PM	57.0	49.2	04:30 PM - 04:35 PM	48.2	43.2
11:15 AM - 11:20 AM	52.4	42.0	01:55 PM - 02:00 PM	50.0	48.0	04:35 PM - 04:40 PM	57.9	43.9
11:20 AM - 11:25 AM	54.0	42.6	02:00 PM - 02:05 PM	50.7	47.9	04:40 PM - 04:45 PM	51.5	43.8
11:25 AM - 11:30 AM	51.1	42.8	02:05 PM - 02:10 PM	53.7	48.2	04:45 PM - 04:50 PM	61.7	44.2
11:30 AM - 11:35 AM	53.3	42.7	02:10 PM - 02:15 PM	54.2	47.5	04:50 PM - 04:55 PM	62.5	43.7
11:35 AM - 11:40 AM	48.1	42.9	02:15 PM - 02:20 PM	57.1	47.4	04:55 PM - 05:00 PM	51.5	39.9
11:40 AM - 11:45 AM	58.3	43.3	02:20 PM - 02:25 PM	50.8	49.3	05:00 PM - 05:05 PM	59.0	41.0
11:45 AM - 11:50 AM	48.3	43.3	02:25 PM - 02:30 PM	57.6	49.2	05:05 PM - 05:10 PM	59.3	41.1
11:50 AM - 11:55 AM	54.9	44.3	02:30 PM - 02:35 PM	51.5	48.3	05:10 PM - 05:15 PM	52.7	40.4
11:55 AM - 12:00 PM	58.5	44.9	02:35 PM - 02:40 PM	55.6	48.7	05:15 PM - 05:20 PM	59.8	44.4
12:00 PM - 12:05 PM	51.1	45.2	02:40 PM - 02:45 PM	51.5	48.4	05:20 PM - 05:25 PM	51.1	44.3
12:05 PM - 12:10 PM	49.2	45.8	02:45 PM - 02:50 PM	49.7	47.9	05:25 PM - 05:30 PM	60.1	44.3
12:10 PM - 12:15 PM	60.4	47.6	02:50 PM - 02:55 PM	62.8	48.4	05:30 PM - 05:35 PM	50.9	44.0
12:15 PM - 12:20 PM	51.2	47.5	02:55 PM - 03:00 PM	50.5	46.6	05:35 PM - 05:40 PM	49.9	43.6
12:20 PM - 12:25 PM	50.2	47.7	03:00 PM - 03:05 PM	52.1	46.9	05:40 PM - 05:45 PM	58.9	43.8
12:25 PM - 12:30 PM	54.1	47.7	03:05 PM - 03:10 PM	57.8	46.9	05:45 PM - 05:50 PM	54.3	43.1
12:30 PM - 12:35 PM	55.4	51.6	03:10 PM - 03:15 PM	56.2	48.8	05:50 PM - 05:55 PM	50.9	44.2
12:35 PM - 12:40 PM	55.4	51.1	03:15 PM - 03:20 PM	51.5	48.0	05:55 PM - 06:00 PM	51.0	43.3



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599077
Date Received : Nov 24, 2025
Date Reported : Nov 29, 2025
Report Number : 3460137-1

Page 3 of 3

Sample Number 2599077-15
Parameter Noise Level (Leq 5 min)
Location ถนนบ้าน หมู่ 2 บ้านหนองละลอก หมู่ 2 (อ.แม่เหล็ก) (N3) (GPS 47P 0745668, 1429442)
Measurement Date Nov 17 - Nov 17, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 1120937

Nov 17, 2025	Leq	L90	Nov 17, 2025	Leq	L90	Nov 17, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
02:00 AM - 02:05 AM	52.4	39.2	04:40 AM - 04:45 AM	48.8	39.7	07:20 AM - 07:25 AM	54.6	49.1
02:05 AM - 02:10 AM	49.1	38.4	04:45 AM - 04:50 AM	54.0	40.8	07:25 AM - 07:30 AM	57.7	51.4
02:10 AM - 02:15 AM	52.9	39.4	04:50 AM - 04:55 AM	51.5	38.8	07:30 AM - 07:35 AM	58.0	51.1
02:15 AM - 02:20 AM	49.9	40.1	04:55 AM - 05:00 AM	54.8	39.5	07:35 AM - 07:40 AM	57.1	50.4
02:20 AM - 02:25 AM	48.4	40.0	05:00 AM - 05:05 AM	49.2	38.9	07:40 AM - 07:45 AM	55.0	50.2
02:25 AM - 02:30 AM	47.7	39.5	05:05 AM - 05:10 AM	52.0	38.8	07:45 AM - 07:50 AM	55.6	49.2
02:30 AM - 02:35 AM	50.6	40.2	05:10 AM - 05:15 AM	51.4	37.0	07:50 AM - 07:55 AM	56.9	48.5
02:35 AM - 02:40 AM	50.8	40.8	05:15 AM - 05:20 AM	54.3	37.0	07:55 AM - 08:00 AM	54.6	48.2
02:40 AM - 02:45 AM	49.9	40.9	05:20 AM - 05:25 AM	51.0	36.1	08:00 AM - 08:05 AM	60.7	48.8
02:45 AM - 02:50 AM	49.5	40.6	05:25 AM - 05:30 AM	52.3	36.7	08:05 AM - 08:10 AM	60.6	51.0
02:50 AM - 02:55 AM	45.1	40.7	05:30 AM - 05:35 AM	58.1	37.9	08:10 AM - 08:15 AM	55.1	50.6
02:55 AM - 03:00 AM	44.8	40.8	05:35 AM - 05:40 AM	50.7	36.8	08:15 AM - 08:20 AM	55.4	49.4
03:00 AM - 03:05 AM	42.2	40.8	05:40 AM - 05:45 AM	57.7	39.0	08:20 AM - 08:25 AM	56.3	47.4
03:05 AM - 03:10 AM	41.2	39.5	05:45 AM - 05:50 AM	54.0	37.5	08:25 AM - 08:30 AM	52.5	48.8
03:10 AM - 03:15 AM	42.8	40.1	05:50 AM - 05:55 AM	56.3	41.4	08:30 AM - 08:35 AM	54.3	48.7
03:15 AM - 03:20 AM	41.7	40.4	05:55 AM - 06:00 AM	56.4	45.6	08:35 AM - 08:40 AM	52.0	49.7
03:20 AM - 03:25 AM	51.3	40.7	06:00 AM - 06:05 AM	56.4	46.5	08:40 AM - 08:45 AM	55.0	49.5
03:25 AM - 03:30 AM	56.2	39.3	06:05 AM - 06:10 AM	54.6	45.8	08:45 AM - 08:50 AM	53.3	49.3
03:30 AM - 03:35 AM	53.6	38.8	06:10 AM - 06:15 AM	58.5	46.2	08:50 AM - 08:55 AM	57.8	50.8
03:35 AM - 03:40 AM	56.3	38.6	06:15 AM - 06:20 AM	56.2	46.2	08:55 AM - 09:00 AM	54.9	50.3
03:40 AM - 03:45 AM	55.0	38.0	06:20 AM - 06:25 AM	55.2	46.0	09:00 AM - 09:05 AM	53.6	49.4
03:45 AM - 03:50 AM	45.0	37.8	06:25 AM - 06:30 AM	56.1	45.7	09:05 AM - 09:10 AM	53.2	48.3
03:50 AM - 03:55 AM	41.7	37.3	06:30 AM - 06:35 AM	58.4	47.5	09:10 AM - 09:15 AM	52.4	48.8
03:55 AM - 04:00 AM	46.8	37.7	06:35 AM - 06:40 AM	56.6	47.1	09:15 AM - 09:20 AM	53.9	48.5
04:00 AM - 04:05 AM	56.1	39.2	06:40 AM - 06:45 AM	54.3	47.2	09:20 AM - 09:25 AM	53.1	49.6
04:05 AM - 04:10 AM	56.6	37.2	06:45 AM - 06:50 AM	57.2	47.8	09:25 AM - 09:30 AM	57.6	47.2
04:10 AM - 04:15 AM	55.9	36.8	06:50 AM - 06:55 AM	52.1	47.4	09:30 AM - 09:35 AM	62.7	48.8
04:15 AM - 04:20 AM	61.0	37.6	06:55 AM - 07:00 AM	52.2	48.1	09:35 AM - 09:40 AM	59.3	48.7
04:20 AM - 04:25 AM	64.5	42.1	07:00 AM - 07:05 AM	51.8	47.4	09:40 AM - 09:45 AM	50.1	47.1
04:25 AM - 04:30 AM	60.4	39.3	07:05 AM - 07:10 AM	52.3	48.3	09:45 AM - 09:50 AM	56.7	47.4
04:30 AM - 04:35 AM	46.2	39.8	07:10 AM - 07:15 AM	56.9	47.6	09:50 AM - 09:55 AM	56.4	49.3
04:35 AM - 04:40 AM	47.0	40.0	07:15 AM - 07:20 AM	54.3	48.1	09:55 AM - 10:00 AM	51.9	49.8

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599077
Date Received : Nov 24, 2025
Date Reported : Nov 29, 2025
Report Number : 3460137-1

Page 1 of 3

Sample Number 2599077-16
Parameter Noise Level (Leq 5 min)
Location ถนนบ้าน หมู่ 2 บ้านหนองละลอก หมู่ 2 (อ.แม่เหล็ก) (N3) (GPS 47P 0745668, 1429442)
Measurement Date Nov 17 - Nov 18, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 1120937

Nov 17, 2025	Leq	L90	Nov 17, 2025	Leq	L90	Nov 17, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
10:00 AM - 10:05 AM	54.2	49.9	12:40 PM - 12:45 PM	59.2	51.4	03:20 PM - 03:25 PM	55.9	49.5
10:05 AM - 10:10 AM	55.2	49.6	12:45 PM - 12:50 PM	56.9	54.1	03:25 PM - 03:30 PM	52.0	48.2
10:10 AM - 10:15 AM	58.2	48.9	12:50 PM - 12:55 PM	56.6	53.0	03:30 PM - 03:35 PM	52.7	47.7
10:15 AM - 10:20 AM	53.8	49.0	12:55 PM - 01:00 PM	55.8	54.0	03:35 PM - 03:40 PM	52.9	48.5
10:20 AM - 10:25 AM	62.8	49.3	01:00 PM - 01:05 PM	55.6	53.7	03:40 PM - 03:45 PM	58.2	48.6
10:25 AM - 10:30 AM	57.3	47.9	01:05 PM - 01:10 PM	56.9	53.5	03:45 PM - 03:50 PM	57.2	50.3
10:30 AM - 10:35 AM	51.0	45.6	01:10 PM - 01:15 PM	56.1	51.7	03:50 PM - 03:55 PM	54.9	46.9
10:35 AM - 10:40 AM	60.3	46.5	01:15 PM - 01:20 PM	54.4	50.5	03:55 PM - 04:00 PM	61.4	49.8
10:40 AM - 10:45 AM	61.4	47.5	01:20 PM - 01:25 PM	53.5	48.5	04:00 PM - 04:05 PM	59.6	51.6
10:45 AM - 10:50 AM	52.7	43.9	01:25 PM - 01:30 PM	52.9	46.4	04:05 PM - 04:10 PM	55.0	49.9
10:50 AM - 10:55 AM	54.5	43.9	01:30 PM - 01:35 PM	56.9	47.9	04:10 PM - 04:15 PM	60.1	50.2
10:55 AM - 11:00 AM	64.2	43.5	01:35 PM - 01:40 PM	53.3	47.5	04:15 PM - 04:20 PM	55.2	49.8
11:00 AM - 11:05 AM	60.0	43.9	01:40 PM - 01:45 PM	54.0	47.3	04:20 PM - 04:25 PM	53.9	48.7
11:05 AM - 11:10 AM	53.0	43.5	01:45 PM - 01:50 PM	51.6	47.5	04:25 PM - 04:30 PM	53.8	48.4
11:10 AM - 11:15 AM	56.0	43.5	01:50 PM - 01:55 PM	54.1	48.1	04:30 PM - 04:35 PM	58.7	48.7
11:15 AM - 11:20 AM	53.2	42.8	01:55 PM - 02:00 PM	57.7	47.0	04:35 PM - 04:40 PM	54.0	48.5
11:20 AM - 11:25 AM	47.7	42.9	02:00 PM - 02:05 PM	52.0	49.0	04:40 PM - 04:45 PM	54.4	48.2
11:25 AM - 11:30 AM	53.7	43.4	02:05 PM - 02:10 PM	50.7	47.4	04:45 PM - 04:50 PM	57.8	47.6
11:30 AM - 11:35 AM	43.4	42.0	02:10 PM - 02:15 PM	54.2	47.1	04:50 PM - 04:55 PM	56.5	47.5
11:35 AM - 11:40 AM	52.3	43.2	02:15 PM - 02:20 PM	54.4	46.6	04:55 PM - 05:00 PM	58.5	47.3
11:40 AM - 11:45 AM	51.7	45.0	02:20 PM - 02:25 PM	51.5	47.9	05:00 PM - 05:05 PM	57.1	47.2
11:45 AM - 11:50 AM	63.4	46.0	02:25 PM - 02:30 PM	58.5	46.9	05:05 PM - 05:10 PM	55.5	47.2
11:50 AM - 11:55 AM	53.4	47.4	02:30 PM - 02:35 PM	53.5	47.8	05:10 PM - 05:15 PM	56.4	47.5
11:55 AM - 12:00 PM	56.4	47.4	02:35 PM - 02:40 PM	54.1	48.0	05:15 PM - 05:20 PM	57.7	48.0
12:00 PM - 12:05 PM	59.8	50.3	02:40 PM - 02:45 PM	54.5	46.7	05:20 PM - 05:25 PM	54.6	48.0
12:05 PM - 12:10 PM	65.6	60.3	02:45 PM - 02:50 PM	51.7	47.4	05:25 PM - 05:30 PM	55.6	47.3
12:10 PM - 12:15 PM	67.9	61.8	02:50 PM - 02:55 PM	53.1	48.1	05:30 PM - 05:35 PM	61.8	48.4
12:15 PM - 12:20 PM	57.3	51.4	02:55 PM - 03:00 PM	53.4	47.9	05:35 PM - 05:40 PM	62.4	48.5
12:20 PM - 12:25 PM	56.1	49.4	03:00 PM - 03:05 PM	57.7	48.3	05:40 PM - 05:45 PM	59.5	48.7
12:25 PM - 12:30 PM	52.9	48.8	03:05 PM - 03:10 PM	58.8	48.1	05:45 PM - 05:50 PM	58.5	47.4
12:30 PM - 12:35 PM	51.9	48.4	03:10 PM - 03:15 PM	52.5	47.7	05:50 PM - 05:55 PM	57.7	46.9
12:35 PM - 12:40 PM	50.8	48.3	03:15 PM - 03:20 PM	54.5	50.0	05:55 PM - 06:00 PM	61.2	48.5

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Approved by

Sarayuht Jitranont
Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599077
Date Received : Nov 24, 2025
Date Reported : Nov 29, 2025
Report Number : 3460137-1

Page 2 of 3

Sample Number 2599077-16
Parameter Noise Level (Leq 5 min)
Location ถนนบ้าน หมู่ 2 บ้านหนองละลอก หมู่ 2 (อ.แม่เหล็ก) (N3) (GPS 47P 0745668, 1429442)
Measurement Date Nov 17 - Nov 18, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 1120937

Nov 17, 2025			Nov 17, 2025			Nov 17 - Nov 18, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
05:00 PM - 05:05 PM	60.9	47.6	08:40 PM - 08:45 PM	46.1	44.1	11:20 PM - 11:25 PM	39.8	37.2
05:05 PM - 05:10 PM	61.9	47.8	08:45 PM - 08:50 PM	59.3	44.2	11:25 PM - 11:30 PM	39.7	36.8
05:10 PM - 05:15 PM	58.0	46.3	08:50 PM - 08:55 PM	45.3	43.6	11:30 PM - 11:35 PM	40.8	36.2
05:15 PM - 05:20 PM	57.4	47.0	08:55 PM - 09:00 PM	45.0	43.3	11:35 PM - 11:40 PM	46.9	36.9
05:20 PM - 05:25 PM	58.9	46.5	09:00 PM - 09:05 PM	45.1	43.2	11:40 PM - 11:45 PM	44.7	37.5
05:25 PM - 05:30 PM	62.8	45.4	09:05 PM - 09:10 PM	48.8	38.4	11:45 PM - 11:50 PM	38.7	36.6
05:30 PM - 05:35 PM	56.4	45.2	09:10 PM - 09:15 PM	42.6	37.5	11:50 PM - 11:55 PM	44.5	36.8
05:35 PM - 05:40 PM	56.9	45.3	09:15 PM - 09:20 PM	43.2	37.5	11:55 PM - 12:00 AM	39.4	36.7
05:40 PM - 05:45 PM	53.7	45.0	09:20 PM - 09:25 PM	42.1	37.0	12:00 AM - 12:05 AM	38.6	36.3
05:45 PM - 05:50 PM	55.5	44.7	09:25 PM - 09:30 PM	42.6	37.4	12:05 AM - 12:10 AM	39.5	37.0
05:50 PM - 05:55 PM	61.5	44.8	09:30 PM - 09:35 PM	43.8	37.0	12:10 AM - 12:15 AM	42.5	36.1
05:55 PM - 06:00 PM	51.1	44.3	09:35 PM - 09:40 PM	49.5	37.3	12:15 AM - 12:20 AM	45.2	36.4
06:00 PM - 06:05 PM	60.7	44.4	09:40 PM - 09:45 PM	47.4	37.2	12:20 AM - 12:25 AM	48.2	37.8
06:05 PM - 06:10 PM	52.2	44.6	09:45 PM - 09:50 PM	53.2	37.3	12:25 AM - 12:30 AM	40.6	38.3
06:10 PM - 06:15 PM	58.8	44.1	09:50 PM - 09:55 PM	42.5	37.1	12:30 AM - 12:35 AM	38.6	36.6
06:15 PM - 06:20 PM	53.7	43.8	09:55 PM - 10:00 PM	50.8	37.6	12:35 AM - 12:40 AM	41.2	37.4
06:20 PM - 06:25 PM	49.0	43.6	10:00 PM - 10:05 PM	42.0	37.3	12:40 AM - 12:45 AM	41.2	38.6
06:25 PM - 06:30 PM	51.7	44.0	10:05 PM - 10:10 PM	49.7	37.3	12:45 AM - 12:50 AM	39.7	37.8
06:30 PM - 06:35 PM	58.8	42.3	10:10 PM - 10:15 PM	40.3	37.3	12:50 AM - 12:55 AM	41.4	38.8
06:35 PM - 06:40 PM	47.4	42.1	10:15 PM - 10:20 PM	45.3	36.9	12:55 AM - 01:00 AM	39.3	37.9
06:40 PM - 06:45 PM	47.2	37.2	10:20 PM - 10:25 PM	46.7	37.4	01:00 AM - 01:05 AM	42.3	40.5
06:45 PM - 06:50 PM	45.7	37.0	10:25 PM - 10:30 PM	47.9	37.3	01:05 AM - 01:10 AM	44.6	42.0
06:50 PM - 06:55 PM	55.4	36.5	10:30 PM - 10:35 PM	54.1	36.7	01:10 AM - 01:15 AM	44.3	42.9
07:00 PM - 07:05 PM	53.0	38.6	10:35 PM - 10:40 PM	44.6	37.0	01:15 AM - 01:20 AM	44.1	42.8
07:05 PM - 07:10 PM	43.1	41.1	10:40 PM - 10:45 PM	38.0	37.0	01:20 AM - 01:25 AM	44.5	43.0
07:10 PM - 07:15 PM	45.2	40.5	10:45 PM - 10:50 PM	40.7	38.6	01:25 AM - 01:30 AM	45.7	43.0
07:15 PM - 07:20 PM	47.3	43.8	10:50 PM - 10:55 PM	44.3	38.8	01:30 AM - 01:35 AM	47.1	44.5
07:20 PM - 07:25 PM	45.8	43.7	10:55 PM - 11:00 PM	46.6	39.1	01:35 AM - 01:40 AM	47.3	44.2
07:25 PM - 07:30 PM	56.7	44.0	11:00 PM - 11:05 PM	44.2	37.8	01:40 AM - 01:45 AM	53.4	45.5
07:30 PM - 07:35 PM	47.1	42.5	11:05 PM - 11:10 PM	39.7	37.7	01:45 AM - 01:50 AM	47.4	44.0
07:35 PM - 07:40 PM	46.7	43.5	11:10 PM - 11:15 PM	39.3	37.6	01:50 AM - 01:55 AM	51.6	47.0
07:40 PM - 07:45 PM	49.1	44.0	11:15 PM - 11:20 PM	42.2	38.0	01:55 AM - 02:00 AM	52.2	47.4



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599077
Date Received : Nov 24, 2025
Date Reported : Nov 29, 2025
Report Number : 3460138-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample Number 2599077-17
Parameter Noise Level (Leq 5 min)
Location ถนนใน หมู่ 2 บ้านนาแมงโกอ ซอย 2 (อ.แม่เหล็ก) (N3) (GPS 47P 0745668, 1429442)
Measurement Date Nov 18 - Nov 19, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 1120937

Nov 18, 2025			Nov 18, 2025			Nov 18, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
10:00 AM - 10:05 AM	57.6	48.9	12:40 PM - 12:45 PM	56.4	51.7	03:20 PM - 03:25 PM	55.1	49.7
10:05 AM - 10:10 AM	57.7	48.8	12:45 PM - 12:50 PM	55.4	51.6	03:25 PM - 03:30 PM	55.3	50.5
10:10 AM - 10:15 AM	56.6	48.0	12:50 PM - 12:55 PM	56.8	52.1	03:30 PM - 03:35 PM	56.7	50.2
10:15 AM - 10:20 AM	59.8	49.7	12:55 PM - 01:00 PM	55.9	52.2	03:35 PM - 03:40 PM	58.5	50.7
10:20 AM - 10:25 AM	56.7	50.7	01:00 PM - 01:05 PM	58.7	52.6	03:40 PM - 03:45 PM	61.1	51.0
10:25 AM - 10:30 AM	54.0	49.8	01:05 PM - 01:10 PM	56.5	52.1	03:45 PM - 03:50 PM	55.0	48.4
10:30 AM - 10:35 AM	57.8	50.6	01:10 PM - 01:15 PM	55.4	49.6	03:50 PM - 03:55 PM	55.9	47.1
10:35 AM - 10:40 AM	54.6	50.0	01:15 PM - 01:20 PM	54.0	49.9	03:55 PM - 04:00 PM	57.5	47.5
10:40 AM - 10:45 AM	54.5	47.8	01:20 PM - 01:25 PM	53.6	49.1	04:00 PM - 04:05 PM	65.8	48.6
10:45 AM - 10:50 AM	54.4	46.4	01:25 PM - 01:30 PM	54.1	51.2	04:05 PM - 04:10 PM	54.0	48.2
10:50 AM - 10:55 AM	54.6	44.9	01:30 PM - 01:35 PM	62.7	51.0	04:10 PM - 04:15 PM	61.7	48.0
10:55 AM - 11:00 AM	56.5	43.6	01:35 PM - 01:40 PM	54.6	50.8	04:15 PM - 04:20 PM	57.8	49.4
11:00 AM - 11:05 AM	54.0	43.7	01:40 PM - 01:45 PM	54.1	50.8	04:20 PM - 04:25 PM	61.7	51.7
11:05 AM - 11:10 AM	52.1	43.5	01:45 PM - 01:50 PM	55.0	51.2	04:25 PM - 04:30 PM	54.8	50.2
11:10 AM - 11:15 AM	54.6	44.1	01:50 PM - 01:55 PM	53.0	49.2	04:30 PM - 04:35 PM	57.7	48.0
11:15 AM - 11:20 AM	48.0	43.1	01:55 PM - 02:00 PM	51.1	47.3	04:35 PM - 04:40 PM	57.8	48.7
11:20 AM - 11:25 AM	53.7	42.8	02:00 PM - 02:05 PM	54.8	49.6	04:40 PM - 04:45 PM	55.3	47.1
11:25 AM - 11:30 AM	52.8	43.3	02:05 PM - 02:10 PM	54.2	49.5	04:45 PM - 04:50 PM	56.2	46.6
11:30 AM - 11:35 AM	49.5	43.9	02:10 PM - 02:15 PM	51.9	48.6	04:50 PM - 04:55 PM	58.7	43.4
11:35 AM - 11:40 AM	46.8	43.8	02:15 PM - 02:20 PM	54.3	49.1	04:55 PM - 05:00 PM	56.8	45.5
11:40 AM - 11:45 AM	55.2	43.3	02:20 PM - 02:25 PM	58.1	49.6	05:00 PM - 05:05 PM	57.7	45.1
11:45 AM - 11:50 AM	48.7	43.8	02:25 PM - 02:30 PM	52.0	47.3	05:05 PM - 05:10 PM	54.5	45.3
11:50 AM - 11:55 AM	56.6	45.8	02:30 PM - 02:35 PM	54.2	46.5	05:10 PM - 05:15 PM	62.5	47.0
11:55 AM - 12:00 PM	52.9	47.6	02:35 PM - 02:40 PM	54.5	46.8	05:15 PM - 05:20 PM	50.9	46.4
12:00 PM - 12:05 PM	51.5	48.6	02:40 PM - 02:45 PM	53.1	48.2	05:20 PM - 05:25 PM	48.0	45.4
12:05 PM - 12:10 PM	54.6	50.6	02:45 PM - 02:50 PM	55.3	48.4	05:25 PM - 05:30 PM	57.1	46.4
12:10 PM - 12:15 PM	53.1	50.3	02:50 PM - 02:55 PM	60.3	51.0	05:30 PM - 05:35 PM	55.0	45.1
12:15 PM - 12:20 PM	54.4	51.3	02:55 PM - 03:00 PM	55.9	50.2	05:35 PM - 05:40 PM	58.7	45.6
12:20 PM - 12:25 PM	55.3	51.6	03:00 PM - 03:05 PM	56.1	50.2	05:40 PM - 05:45 PM	52.0	45.1
12:25 PM - 12:30 PM	55.8	52.3	03:05 PM - 03:10 PM	54.5	50.0	05:45 PM - 05:50 PM	50.7	45.6
12:30 PM - 12:35 PM	56.0	52.1	03:10 PM - 03:15 PM	53.9	47.6	05:50 PM - 05:55 PM	51.5	45.4
12:35 PM - 12:40 PM	54.8	52.3	03:15 PM - 03:20 PM	55.1	47.2	05:55 PM - 06:00 PM	58.7	46.4

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599077
Date Received : Nov 24, 2025
Date Reported : Nov 29, 2025
Report Number : 3460138-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample Number 2599077-17
Parameter Noise Level (Leq 5 min)
Location ถนนใน หมู่ 2 บ้านนาแมงโกอ ซอย 2 (อ.แม่เหล็ก) (N3) (GPS 47P 0745668, 1429442)
Measurement Date Nov 18 - Nov 19, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 1120937

Nov 18, 2025			Nov 18, 2025			Nov 18, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
06:00 PM - 06:05 PM	59.7	45.8	08:40 PM - 08:45 PM	46.2	42.5	11:20 PM - 11:25 PM	45.1	42.9
06:05 PM - 06:10 PM	55.3	46.2	08:45 PM - 08:50 PM	46.6	42.8	11:25 PM - 11:30 PM	50.1	41.8
06:10 PM - 06:15 PM	51.4	46.0	08:50 PM - 08:55 PM	46.3	42.6	11:30 PM - 11:35 PM	45.6	42.6
06:15 PM - 06:20 PM	49.3	46.0	08:55 PM - 09:00 PM	48.6	42.5	11:35 PM - 11:40 PM	49.2	42.7
06:20 PM - 06:25 PM	51.1	45.9	09:00 PM - 09:05 PM	50.1	42.0	11:40 PM - 11:45 PM	43.4	42.1
06:25 PM - 06:30 PM	61.0	47.5	09:05 PM - 09:10 PM	49.8	39.2	11:45 PM - 11:50 PM	48.4	41.7
06:30 PM - 06:35 PM	62.0	47.7	09:10 PM - 09:15 PM	44.0	36.8	11:50 PM - 11:55 PM	44.5	42.5
06:35 PM - 06:40 PM	57.4	46.8	09:15 PM - 09:20 PM	47.6	37.6	11:55 PM - 12:00 AM	48.7	42.7
06:40 PM - 06:45 PM	51.2	47.5	09:20 PM - 09:25 PM	46.4	39.0	12:00 AM - 12:05 AM	45.7	42.7
06:45 PM - 06:50 PM	50.2	47.5	09:25 PM - 09:30 PM	44.3	38.8	12:05 AM - 12:10 AM	43.2	41.9
06:50 PM - 06:55 PM	50.6	48.0	09:30 PM - 09:35 PM	46.5	39.0	12:10 AM - 12:15 AM	43.7	42.5
06:55 PM - 07:00 PM	51.5	47.9	09:35 PM - 09:40 PM	45.5	39.2	12:15 AM - 12:20 AM	49.7	42.2
07:00 PM - 07:05 PM	57.5	47.3	09:40 PM - 09:45 PM	46.1	39.5	12:20 AM - 12:25 AM	49.5	42.4
07:05 PM - 07:10 PM	49.4	46.9	09:45 PM - 09:50 PM	48.7	39.4	12:25 AM - 12:30 AM	51.8	41.1
07:10 PM - 07:15 PM	59.7	47.4	09:50 PM - 09:55 PM	52.3	39.3	12:30 AM - 12:35 AM	44.3	38.9
07:15 PM - 07:20 PM	50.9	47.2	09:55 PM - 10:00 PM	45.6	41.6	12:35 AM - 12:40 AM	45.7	39.9
07:20 PM - 07:25 PM	52.8	46.7	10:00 PM - 10:05 PM	45.8	42.5	12:40 AM - 12:45 AM	41.2	39.6
07:25 PM - 07:30 PM	50.7	46.5	10:05 PM - 10:10 PM	46.8	42.8	12:45 AM - 12:50 AM	48.1	38.0
07:30 PM - 07:35 PM	49.3	46.1	10:10 PM - 10:15 PM	46.7	42.8	12:50 AM - 12:55 AM	44.1	38.4
07:35 PM - 07:40 PM	49.8	46.5	10:15 PM - 10:20 PM	45.9	42.7	12:55 AM - 01:00 AM	47.6	39.0
07:40 PM - 07:45 PM	59.5	46.4	10:20 PM - 10:25 PM	45.9	42.9	01:00 AM - 01:05 AM	43.7	38.4
07:45 PM - 07:50 PM	54.1	47.0	10:25 PM - 10:30 PM	46.5	42.9	01:05 AM - 01:10 AM	46.9	38.0
07:50 PM - 07:55 PM	51.8	46.8	10:30 PM - 10:35 PM	46.6	43.1	01:10 AM - 01:15 AM	47.4	37.9
07:55 PM - 08:00 PM	52.2	46.8	10:35 PM - 10:40 PM	45.4	41.9	01:15 AM - 01:20 AM	41.7	38.2
08:00 PM - 08:05 PM	48.0	46.4	10:40 PM - 10:45 PM	43.4	38.6	01:20 AM - 01:25 AM	46.7	38.9
08:05 PM - 08:10 PM	53.8	45.5	10:45 PM - 10:50 PM	44.9	42.3	01:25 AM - 01:30 AM	55.9	41.7
08:10 PM - 08:15 PM	47.9	41.5	10:50 PM - 10:55 PM	50.3	42.0	01:30 AM - 01:35 AM	54.6	42.9
08:15 PM - 08:20 PM	46.6	41.4	10:55 PM - 11:00 PM	48.8	42.8	01:35 AM - 01:40 AM	51.4	43.8
08:20 PM - 08:25 PM	47.0	41.4	11:00 PM - 11:05 PM	44.6	42.2	01:40 AM - 01:45 AM	54.2	43.7
08:25 PM - 08:30 PM	48.2	42.3	11:05 PM - 11:10 PM	43.8	42.5	01:45 AM - 01:50 AM	50.8	43.3
08:30 PM - 08:35 PM	45.3	42.2	11:10 PM - 11:15 PM	44.9	43.2	01:50 AM - 01:55 AM	52.2	43.1
08:35 PM - 08:40 PM	50.6	42.3	11:15 PM - 11:20 PM	48.6	42.4	01:55 AM - 02:00 AM	48.3	43.3

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Approved by

Sarayuht Jitranont
Assistant General Manager

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599077
Date Received : Nov 24, 2025
Date Reported : Nov 29, 2025
Report Number : 3460138-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample Number 2599077-17
Parameter Noise Level (Leq 5 min)
Location ถนนใน หมู่ 2 บ้านนาแมงโกอ ซอย 2 (อ.แม่เหล็ก) (N3) (GPS 47P 0745668, 1429442)
Measurement Date Nov 18 - Nov 19, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 1120937

Nov 19, 2025			Nov 19, 2025			Nov 19, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
02:00 AM - 02:05 AM	55.8	43.8	04:40 AM - 04:45 AM	46.4	41.0	07:20 AM - 07:25 AM	53.0	50.1
02:05 AM - 02:10 AM	59.4	44.0	04:45 AM - 04:50 AM	48.7	40.7	07:25 AM - 07:30 AM	53.2	49.4
02:10 AM - 02:15 AM	59.4	42.9	04:50 AM - 04:55 AM	47.2	40.6	07:30 AM - 07:35 AM	53.4	49.0
02:15 AM - 02:20 AM	54.9	43.2	04:55 AM - 05:00 AM	54.1	41.5	07:35 AM - 07:40 AM	52.4	49.1
02:20 AM - 02:25 AM	53.3	43.1	05:00 AM - 05:05 AM	50.2	39.8	07:40 AM - 07:45 AM	54.5	50.4
02:25 AM - 02:30 AM	55.0	43.4	05:05 AM - 05:10 AM	53.9	39.9	07:45 AM - 07:50 AM	52.9	50.1
02:30 AM - 02:35 AM	56.9	44.1	05:10 AM - 05:15 AM	53.4	40.5	07:50 AM - 07:55 AM	54.2	48.9
02:35 AM - 02:40 AM	53.1	43.6	05:15 AM - 05:20 AM	50.9	38.6	07:55 AM - 08:00 AM	52.9	49.0
02:40 AM - 02:45 AM	46.3	43.0	05:20 AM - 05:25 AM	50.5	39.2	08:00 AM - 08:05 AM	55.0	47.1
02:45 AM - 02:50 AM	48.3	42.3	05:25 AM - 05:30 AM	50.1	41.7	08:05 AM - 08:10 AM	54.4	47.0
02:50 AM - 02:55 AM	55.1	42.6	05:30 AM - 05:35 AM	54.2	43.7	08:10 AM - 08:15 AM	59.6	47.8
02:55 AM - 03:00 AM	51.0	42.7	05:35 AM - 05:40 AM	55.7	43.5	08:15 AM - 08:20 AM	57.5	48.0
03:00 AM - 03:05 AM	49.6	42.6	05:40 AM - 05:45 AM	51.4	43.7	08:20 AM - 08:25 AM	54.6	49.4
03:05 AM - 03:10 AM	43.8	38.6	05:45 AM - 05:50 AM	53.1	43.8	08:25 AM - 08:30 AM	55.2	47.3
03:10 AM - 03:15 AM	43.5	38.1	05:50 AM - 05:55 AM	53.8	44.5	08:30 AM - 08:35 AM	54.8	47.6
03:15 AM - 03:20 AM	48.0	41.1	05:55 AM - 06:00 AM	56.3	45.5	08:35 AM - 08:40 AM	57.4	54.2
03:20 AM - 03:25 AM	42.9	42.2	06:00 AM - 06:05 AM	58.0	45.9	08:40 AM - 08:45 AM	55.6	47.4
03:25 AM - 03:30 AM	43.6	42.7	06:05 AM - 06:10 AM	57.3	46.6	08:45 AM - 08:50 AM	53.9	48.4
03:30 AM - 03:35 AM	47.7	44.8	06:10 AM - 06:15 AM	57.3	47.0	08:50 AM - 08:55 AM	53.1	48.4
03:35 AM - 03:40 AM	45.5	41.5	06:15 AM - 06:20 AM	54.6	46.4	08:55 AM - 09:00 AM	58.6	48.4
03:40 AM - 03:45 AM	46.0	42.8	06:20 AM - 06:25 AM	53.4	48.0	09:00 AM - 09:05 AM	49.9	47.2
03:45 AM - 03:50 AM	50.1	43.5	06:25 AM - 06:30 AM	52.3	47.7	09:05 AM - 09:10 AM	53.9	48.5
03:50 AM - 03:55 AM	48.1	44.4	06:30 AM - 06:35 AM	51.5	47.3	09:10 AM - 09:15 AM	58.5	48.6
03:55 AM - 04:00 AM	45.2	44.2	06:35 AM - 06:40 AM	53.6	47.6	09:15 AM - 09:20 AM	59.2	48.9
04:00 AM - 04:05 AM	46.0	44.5	06:40 AM - 06:45 AM	56.5	49.9	09:20 AM - 09:25 AM	56.5	48.7
04:05 AM - 04:10 AM	45.7	40.9	06:45 AM - 06:50 AM	56.3	49.7	09:25 AM - 09:30 AM	53.7	49.6
04:10 AM - 04:15 AM	54.6	41.2	06:50 AM - 06:55 AM	54.3	47.7	09:30 AM - 09:35 AM	60.1	47.0
04:15 AM - 04:20 AM	56.1	41.0	06:55 AM - 07:00 AM	53.1	46.6	09:35 AM - 09:40 AM	62.4	48.6
04:20 AM - 04:25 AM	58.7	40.9	07:00 AM - 07:05 AM	57.5	46.8	09:40 AM - 09:45 AM	51.9	47.1
04:25 AM - 04:30 AM	51.1	41.5	07:05 AM - 07:10 AM	58.9	46.3	09:45 AM - 09:50 AM	55.1	49.0
04:30 AM - 04:35 AM	50.8	42.6	07:10 AM - 07:15 AM	52.9	46.5	09:50 AM - 09:55 AM	55.1	49.8
04:35 AM - 04:40 AM	45.6	42.0	07:15 AM - 07:20 AM	59.4	49.8	09:55 AM - 10:00 AM	55.2	49.4



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599077
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3460139-1

Page 2 of 3

Sample Number 2599077-18
Parameter Noise Level (Leq 5 min)
Location ถนนบ้าน หมู่ 2 บ้านนาแม่แก้ว หมู่ 2 (จ.แม่แก้ว) (N3) (GPS 47P 0745668, 1429442)
Measurement Date Nov 19 - Nov 20, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 1120937

Nov 19, 2025		Leq	L90	Nov 19, 2025		Leq	L90	Nov 19 - Nov 20, 2025		Leq	L90
Time		dB(A)	dB(A)	Time		dB(A)	dB(A)	Time		dB(A)	dB(A)
06:00 PM - 06:05 PM	55.3	49.1	08:40 PM - 08:45 PM	49.3	44.3	11:20 PM - 11:25 PM	53.2	43.5			
06:05 PM - 06:10 PM	52.4	50.0	08:45 PM - 08:50 PM	50.8	45.1	11:25 PM - 11:30 PM	49.3	41.9			
06:10 PM - 06:15 PM	49.7	47.9	08:50 PM - 08:55 PM	51.0	46.4	11:30 PM - 11:35 PM	47.5	42.0			
06:15 PM - 06:20 PM	53.4	47.8	08:55 PM - 09:00 PM	52.0	44.1	11:35 PM - 11:40 PM	56.6	43.0			
06:20 PM - 06:25 PM	52.6	48.4	09:00 PM - 09:05 PM	51.8	44.0	11:40 PM - 11:45 PM	52.0	44.6			
06:25 PM - 06:30 PM	58.9	47.9	09:05 PM - 09:10 PM	55.7	45.8	11:45 PM - 11:50 PM	50.1	43.7			
06:30 PM - 06:35 PM	53.4	48.6	09:10 PM - 09:15 PM	59.4	44.0	11:50 PM - 11:55 PM	48.0	43.0			
06:35 PM - 06:40 PM	52.9	48.9	09:15 PM - 09:20 PM	54.8	45.4	11:55 PM - 12:00 AM	46.9	42.2			
06:40 PM - 06:45 PM	56.0	48.9	09:20 PM - 09:25 PM	53.3	44.7	12:00 AM - 12:05 AM	51.5	42.1			
06:45 PM - 06:50 PM	51.1	47.1	09:25 PM - 09:30 PM	47.8	43.8	12:05 AM - 12:10 AM	52.3	42.1			
06:50 PM - 06:55 PM	56.6	47.7	09:30 PM - 09:35 PM	46.0	43.8	12:10 AM - 12:15 AM	52.8	42.7			
06:55 PM - 07:00 PM	57.9	47.9	09:35 PM - 09:40 PM	55.8	45.9	12:15 AM - 12:20 AM	46.2	42.8			
07:00 PM - 07:05 PM	53.8	46.9	09:40 PM - 09:45 PM	55.8	46.2	12:20 AM - 12:25 AM	46.2	42.8			
07:05 PM - 07:10 PM	59.1	43.9	09:45 PM - 09:50 PM	58.0	45.4	12:25 AM - 12:30 AM	48.0	42.7			
07:10 PM - 07:15 PM	56.9	48.3	09:50 PM - 09:55 PM	53.5	45.5	12:30 AM - 12:35 AM	50.0	42.7			
07:15 PM - 07:20 PM	55.0	46.6	09:55 PM - 10:00 PM	49.5	45.1	12:35 AM - 12:40 AM	51.3	43.0			
07:20 PM - 07:25 PM	56.6	45.8	10:00 PM - 10:05 PM	49.0	44.6	12:40 AM - 12:45 AM	52.1	43.2			
07:25 PM - 07:30 PM	59.3	45.5	10:05 PM - 10:10 PM	51.5	46.1	12:45 AM - 12:50 AM	53.7	43.4			
07:30 PM - 07:35 PM	59.8	45.6	10:10 PM - 10:15 PM	49.1	43.7	12:50 AM - 12:55 AM	46.9	43.6			
07:35 PM - 07:40 PM	54.9	47.9	10:15 PM - 10:20 PM	46.7	44.2	12:55 AM - 01:00 AM	51.1	43.9			
07:40 PM - 07:45 PM	53.7	47.8	10:20 PM - 10:25 PM	49.4	45.3	01:00 AM - 01:05 AM	53.0	44.7			
07:45 PM - 07:50 PM	54.6	44.8	10:25 PM - 10:30 PM	47.3	45.2	01:05 AM - 01:10 AM	52.2	43.7			
07:50 PM - 07:55 PM	51.7	44.9	10:30 PM - 10:35 PM	47.9	44.4	01:10 AM - 01:15 AM	50.8	43.8			
07:55 PM - 08:00 PM	52.4	45.5	10:35 PM - 10:40 PM	53.4	44.9	01:15 AM - 01:20 AM	49.5	43.6			
08:00 PM - 08:05 PM	51.5	44.6	10:40 PM - 10:45 PM	53.7	44.4	01:20 AM - 01:25 AM	48.7	43.1			
08:05 PM - 08:10 PM	51.5	45.5	10:45 PM - 10:50 PM	52.6	44.5	01:25 AM - 01:30 AM	52.3	44.2			
08:10 PM - 08:15 PM	52.9	45.9	10:50 PM - 10:55 PM	55.3	44.8	01:30 AM - 01:35 AM	53.7	45.0			
08:15 PM - 08:20 PM	54.8	44.7	10:55 PM - 11:00 PM	51.6	44.2	01:35 AM - 01:40 AM	53.8	45.4			
08:20 PM - 08:25 PM	52.5	44.6	11:00 PM - 11:05 PM	53.8	44.4	01:40 AM - 01:45 AM	58.6	45.9			
08:25 PM - 08:30 PM	55.6	43.9	11:05 PM - 11:10 PM	51.9	43.6	01:45 AM - 01:50 AM	50.9	43.8			
08:30 PM - 08:35 PM	54.0	43.9	11:10 PM - 11:15 PM	47.7	43.0	01:50 AM - 01:55 PM	53.6	43.6			
08:35 PM - 08:40 PM	50.2	43.9	11:15 PM - 11:20 PM	51.1	43.5	01:55 AM - 02:00 AM	57.5	43.5			

The above results are valid only for the analysed/tested sample(s) as indicated in the report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. A.S. Laboratory Group (Thailand) strongly recommends that the report is not reproduced except in full.

Approved by

Sarayuht Jitranont
Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599077
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3460139-1

Page 3 of 3

Sample Number 2599077-18
Parameter Noise Level (Leq 5 min)
Location ถนนบ้าน หมู่ 2 บ้านนาแม่แก้ว หมู่ 2 (จ.แม่แก้ว) (N3) (GPS 47P 0745668, 1429442)
Measurement Date Nov 19 - Nov 20, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 1120937

Nov 20, 2025		Leq	L90	Nov 20, 2025		Leq	L90	Nov 20, 2025		Leq	L90
Time		dB(A)	dB(A)	Time		dB(A)	dB(A)	Time		dB(A)	dB(A)
02:00 AM - 02:05 AM	53.3	43.2	04:40 AM - 04:45 AM	46.5	38.6	07:20 AM - 07:25 AM	50.8	45.3			
02:05 AM - 02:10 AM	52.8	43.3	04:45 AM - 04:50 AM	49.5	39.1	07:25 AM - 07:30 AM	49.5	45.5			
02:10 AM - 02:15 AM	52.8	43.2	04:50 AM - 04:55 AM	45.3	38.1	07:30 AM - 07:35 AM	49.5	45.2			
02:15 AM - 02:20 AM	49.9	43.3	04:55 AM - 05:00 AM	48.3	37.6	07:35 AM - 07:40 AM	58.4	45.5			
02:20 AM - 02:25 AM	44.0	42.9	05:00 AM - 05:05 AM	52.3	38.8	07:40 AM - 07:45 AM	52.9	45.1			
02:25 AM - 02:30 AM	47.3	42.7	05:05 AM - 05:10 AM	49.3	37.6	07:45 AM - 07:50 AM	50.7	45.1			
02:30 AM - 02:35 AM	49.0	43.1	05:10 AM - 05:15 AM	58.2	36.5	07:50 AM - 07:55 AM	47.4	44.5			
02:35 AM - 02:40 AM	50.1	42.9	05:15 AM - 05:20 AM	40.6	36.2	07:55 AM - 08:00 AM	52.7	44.9			
02:40 AM - 02:45 AM	59.3	43.3	05:20 AM - 05:25 AM	49.2	36.9	08:00 AM - 08:05 AM	47.1	44.7			
02:45 AM - 02:50 AM	50.4	43.7	05:25 AM - 05:30 AM	47.7	35.7	08:05 AM - 08:10 AM	53.2	47.0			
02:50 AM - 02:55 AM	44.8	43.6	05:30 AM - 05:35 AM	60.8	36.4	08:10 AM - 08:15 AM	51.1	47.5			
02:55 AM - 03:00 AM	51.7	44.9	05:35 AM - 05:40 AM	46.5	35.4	08:15 AM - 08:20 AM	52.6	48.3			
03:00 AM - 03:05 AM	59.7	43.3	05:40 AM - 05:45 AM	49.0	36.0	08:20 AM - 08:25 AM	55.3	46.0			
03:05 AM - 03:10 AM	48.0	42.4	05:45 AM - 05:50 AM	48.2	35.8	08:25 AM - 08:30 AM	52.5	44.5			
03:10 AM - 03:15 AM	52.4	43.2	05:50 AM - 05:55 AM	59.0	37.9	08:30 AM - 08:35 AM	49.0	44.7			
03:15 AM - 03:20 AM	49.6	45.1	05:55 AM - 06:00 AM	49.6	37.1	08:35 AM - 08:40 AM	48.3	44.8			
03:20 AM - 03:25 AM	53.6	43.9	06:00 AM - 06:05 AM	54.2	36.8	08:40 AM - 08:45 AM	52.9	44.6			
03:25 AM - 03:30 AM	45.4	43.0	06:05 AM - 06:10 AM	51.1	36.3	08:45 AM - 08:50 AM	53.2	47.7			
03:30 AM - 03:35 AM	46.7	43.2	06:10 AM - 06:15 AM	50.9	43.4	08:50 AM - 08:55 AM	53.3	47.7			
03:35 AM - 03:40 AM	46.5	43.5	06:15 AM - 06:20 AM	56.0	45.1	08:55 AM - 09:00 AM	53.9	48.7			
03:40 AM - 03:45 AM	44.8	43.5	06:20 AM - 06:25 AM	49.6	44.5	09:00 AM - 09:05 AM	54.7	47.9			
03:45 AM - 03:50 AM	45.3	43.2	06:25 AM - 06:30 AM	49.6	44.5	09:05 AM - 09:10 AM	54.0	49.8			
03:50 AM - 03:55 AM	50.4	42.4	06:30 AM - 06:35 AM	49.6	44.1	09:10 AM - 09:15 AM	57.3	47.3			
03:55 AM - 04:00 AM	47.3	43.3	06:35 AM - 06:40 AM	50.1	44.4	09:15 AM - 09:20 AM	62.0	45.9			
04:00 AM - 04:05 AM	45.0	43.4	06:40 AM - 06:45 AM	51.5	44.5	09:20 AM - 09:25 AM	55.1	45.3			
04:05 AM - 04:10 AM	46.7	43.9	06:45 AM - 06:50 AM	50.6	44.2	09:25 AM - 09:30 AM	51.8	45.1			
04:10 AM - 04:15 AM	59.0	45.0	06:50 AM - 06:55 AM	49.6	44.8	09:30 AM - 09:35 AM	51.3	44.3			
04:15 AM - 04:20 AM	46.7	44.5	06:55 AM - 07:00 AM	45.9	43.8	09:35 AM - 09:40 AM	54.5	52.7			
04:20 AM - 04:25 AM	51.6	42.6	07:00 AM - 07:05 AM	46.8	44.5	09:40 AM - 09:45 AM	53.5	47.0			
04:25 AM - 04:30 AM	48.8	43.5	07:05 AM - 07:10 AM	52.0	46.0	09:45 AM - 09:50 AM	54.1	45.5			
04:30 AM - 04:35 AM	50.7	43.8	07:10 AM - 07:15 AM	54.3	45.2	09:50 AM - 09:55 AM	51.2	45.8			
04:35 AM - 04:40 AM	53.6	41.8	07:15 AM - 07:20 AM	51.5	45.2	09:55 AM - 10:00 AM	48.8	44.6			

The above results are valid only for the analysed/tested sample(s) as indicated in the report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. A.S. Laboratory Group (Thailand) strongly recommends that the report is not reproduced except in full.

Approved by

Sarayuht Jitranont
Assistant General Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Phukdaeng Rayong 21140 Thailand | PHONE :+66 0 3304 8555 | FAX :+66 0 3304 8556
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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599077
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3460140-1

Page 1 of 3

Sample Number 2599077-19
Parameter Noise Level (Leq 5 min)
Location ถนนบ้าน หมู่ 2 บ้านนาแม่แก้ว หมู่ 2 (จ.แม่แก้ว) (N3) (GPS 47P 0745668, 1429442)
Measurement Date Nov 20 - Nov 21, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 1120937

Nov 20, 2025		Leq	L90	Nov 20, 2025		Leq	L90	Nov 20, 2025		Leq	L90
Time		dB(A)	dB(A)	Time		dB(A)	dB(A)	Time		dB(A)	dB(A)
10:00 AM - 10:05 AM	55.5	52.8	12:40 PM - 12:45 PM	51.0	47.3	03:20 PM - 03:25 PM	52.4	47.4			
10:05 AM - 10:10 AM	52.9	49.1	12:45 PM - 12:50 PM	55.5	49.3	03:25 PM - 03:30 PM	50.4	45.1			
10:10 AM - 10:15 AM	58.1	47.6	12:50 PM - 12:55 PM	54.4	46.2	03:30 PM - 03:35 PM	49.9	46.1			
10:15 AM - 10:20 AM	54.9	48.6	12:55 PM - 01:00 PM	52.5	45.8	03:35 PM - 03:40 PM	50.3	45.7			
10:20 AM - 10:25 AM	51.6	46.7	01:00 PM - 01:05 PM	51.8	47.9	03:40 PM - 03:45 PM	58.4	45.0			
10:25 AM - 10:30 AM	51.7	45.0	01:05 PM - 01:10 PM	49.8	45.8	03:45 PM - 03:50 PM	48.0	44.4			
10:30 AM - 10:35 AM	54.5	49.2	01:10 PM - 01:15 PM	50.6	47.7	03:50 PM - 03:55 PM	48.8	44.7			
10:35 AM - 10:40 AM	52.0	47.9	01:15 PM - 01:20 PM	51.6	47.6	03:55 PM - 04:00 PM	52.1	44.1			
10:40 AM - 10:45 AM	52.1	47.6	01:20 PM - 01:25 PM	49.8	46.7	04:00 PM - 04:05 PM	52.6	44.6			
10:45 AM - 10:50 AM	48.5	45.2	01:25 PM - 01:30 PM	50.9	46.8	04:05 PM - 04:10 PM	58.2	43.9			
10:50 AM - 10:55 AM	50.1	44.8	01:30 PM - 01:35 PM	54.9	44.9	04:10 PM - 04:15 PM	58.2	43.9			
10:55 AM - 11:00 AM	50.9	44.6	01:35 PM - 01:40 PM	49.5	44.6	04:15 PM - 04:20 PM	49.9	36.1			
11:00 AM - 11:05 AM	46.2	44.2	01:40 PM - 01:45 PM	58.2	45.0	04:20 PM - 04:25 PM	46.9	34.1			
11:05 AM - 11:10 AM	49.0	43.6	01:45 PM - 01:50 PM	51.8	46.2	04:25 PM - 04:30 PM	42.4	33.1			
11:10 AM - 11:15 AM	45.5	43.0	01:50 PM - 01:55 PM	46.4	44.8	04:30 PM - 04:35 PM	49.9	36.1			
11:15 AM - 11:20 AM	48.2	42.0	01:55 PM - 02:00 PM	51.8	45.2	04:35 PM - 04:40 PM	49.4	35.3			
11:20 AM - 11:25 AM	44.3	42.7	02:00 PM - 02:05 PM	49.8	45.8	04:40 PM - 04:45 PM	42.7	34.0			
11:25 AM - 11:30 AM	49.3	43.1	02:05 PM - 02:10 PM	54.5	47.0	04:45 PM - 04:50 PM	47.8	34.3			
11:30 AM - 11:35 AM	47.1	44.6	02:10 PM - 02:15 PM	51.5	44.8	04:50 PM - 04:55 PM	44.7	35.8			
11:35 AM - 11:40 AM	44.3	41.4	02:15 PM - 02:20 PM	51.5	44.9	04:55 PM - 05:00 PM	50.0	36.0			
11:40 AM - 11:45 AM	50.3	43.9	02:20 PM - 02:25 PM	50.5	45.1	05:00 PM - 05:05 PM	53.1	46.5			
11:45 AM - 11:50 AM	48.8	43.4	02:25 PM - 02:30 PM	51.3	46.2	05:05 PM - 05:10 PM	50.1	36.2			
11:50 AM - 11:55 AM	52.4	44.3	02:30 PM - 02:35 PM	52.9	48.1	05:10 PM - 05:15 PM	50.7	44.8			
11:55 AM - 12:00 PM	52.8	45.0	02:35 PM - 02:40 PM	48.2	44.7	05:15 PM - 05:20 PM	51.6	47.0			
12:00 PM - 12:05 PM	51.0	46.7	02:40 PM - 02:45 PM	53.2	46.1	05:20 PM - 05:25 PM	46.5	36.5			
12:05 PM - 12:10 PM	50.7	45.1	02:45 PM - 02:50 PM	49.9	45.2	05:25 PM - 05:30 PM	51.4	46.5			
12:10 PM - 12:15 PM	54.9	48.2	02:50 PM - 02:55 PM	50.6	44.9	05:30 PM - 05:35 PM	51.9	47.0			
12:15 PM - 12:20 PM	55.5	45.4	02:55 PM - 03:00 PM	53.6	46.4	05:35 PM - 05:40 PM	53.5	48.0			
12:20 PM - 12:25 PM	54.1	47.6	03:00 PM - 03:05 PM	51.3	45.2	05:40 PM - 05:45 PM	50.7	44.7			
12:25 PM - 12:30 PM	51.3	47.6	03:05 PM - 03:10 PM	55.5	47.0	05:45 PM - 05:50 PM	50.0	44.5			
12:30 PM - 12:35 PM	51.3	47.5	03:10 PM - 03:15 PM	54.6	49.2	05:50 PM - 05:55 PM	48.8	44.9			
12:35 PM - 12:40 PM	49.8	46.2	03:15 PM - 03:20 PM	53.8	48.2	05:55 PM - 06:00 PM	47.0	44.8			



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number 2599077-19
Parameter Noise Level (Leq 5 min)
Location ถนนบ้าน หมู่ 2 บ้านหนองละลอก หมู่ 2 (อ.แม่เหล็ก) (N3) (GPS 47P 0745668, 1429442)
Measurement Date Nov 21 - Nov 21, 2025
Measurement by Apichart Wilas
Sound Level meter Serial No. 1120937

Page 3 of 3

Nov 21, 2025	Leq	L90	Nov 21, 2025	Leq	L90	Nov 21, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
02:00 AM - 02:05 AM	48.5	36.1	04:40 AM - 04:45 AM	50.4	44.6	07:20 AM - 07:25 AM	52.7	49.5
02:05 AM - 02:10 AM	37.8	35.5	04:45 AM - 04:50 AM	48.3	40.4	07:25 AM - 07:30 AM	54.2	49.3
02:10 AM - 02:15 AM	38.8	36.2	04:50 AM - 04:55 AM	47.6	39.8	07:30 AM - 07:35 AM	51.8	47.8
02:15 AM - 02:20 AM	38.2	36.1	04:55 AM - 05:00 AM	52.5	40.6	07:35 AM - 07:40 AM	50.5	46.8
02:20 AM - 02:25 AM	44.9	36.6	05:00 AM - 05:05 AM	49.8	39.4	07:40 AM - 07:45 AM	53.2	47.8
02:25 AM - 02:30 AM	38.4	35.8	05:05 AM - 05:10 AM	48.8	39.5	07:45 AM - 07:50 AM	56.5	49.3
02:30 AM - 02:35 AM	37.2	35.3	05:10 AM - 05:15 AM	50.2	39.9	07:50 AM - 07:55 AM	53.5	50.0
02:35 AM - 02:40 AM	37.6	35.0	05:15 AM - 05:20 AM	59.2	40.4	07:55 AM - 08:00 AM	68.3	49.4
02:40 AM - 02:45 AM	37.4	35.0	05:20 AM - 05:25 AM	55.9	40.6	08:00 AM - 08:05 AM	60.5	50.2
02:45 AM - 02:50 AM	38.4	35.4	05:25 AM - 05:30 AM	54.2	40.4	08:05 AM - 08:10 AM	66.9	49.4
02:50 AM - 02:55 AM	39.8	37.5	05:30 AM - 05:35 AM	57.3	41.3	08:10 AM - 08:15 AM	53.1	46.4
02:55 AM - 03:00 AM	39.2	36.9	05:35 AM - 05:40 AM	60.9	41.7	08:15 AM - 08:20 AM	52.4	46.8
03:00 AM - 03:05 AM	47.5	36.5	05:40 AM - 05:45 AM	54.8	39.6	08:20 AM - 08:25 AM	55.3	48.0
03:05 AM - 03:10 AM	42.2	37.4	05:45 AM - 05:50 AM	54.9	46.0	08:25 AM - 08:30 AM	52.4	48.7
03:10 AM - 03:15 AM	45.2	37.8	05:50 AM - 05:55 AM	56.1	46.1	08:30 AM - 08:35 AM	55.0	49.8
03:15 AM - 03:20 AM	41.8	38.7	05:55 AM - 06:00 AM	57.1	47.3	08:35 AM - 08:40 AM	53.8	49.7
03:20 AM - 03:25 AM	40.0	38.3	06:00 AM - 06:05 AM	52.5	47.0	08:40 AM - 08:45 AM	53.9	50.0
03:25 AM - 03:30 AM	43.1	37.6	06:05 AM - 06:10 AM	54.5	40.9	08:45 AM - 08:50 AM	57.1	47.6
03:30 AM - 03:35 AM	51.8	38.8	06:10 AM - 06:15 AM	56.9	45.6	08:50 AM - 08:55 AM	51.8	46.1
03:35 AM - 03:40 AM	56.3	39.1	06:15 AM - 06:20 AM	56.2	46.9	08:55 AM - 09:00 AM	54.4	46.1
03:40 AM - 03:45 AM	48.5	39.3	06:20 AM - 06:25 AM	58.2	44.1	09:00 AM - 09:05 AM	52.2	46.7
03:45 AM - 03:50 AM	52.6	39.1	06:25 AM - 06:30 AM	57.4	49.0	09:05 AM - 09:10 AM	50.5	45.9
03:50 AM - 03:55 AM	57.9	40.2	06:30 AM - 06:35 AM	63.1	49.2	09:10 AM - 09:15 AM	51.2	46.0
03:55 AM - 04:00 AM	58.2	40.4	06:35 AM - 06:40 AM	58.7	49.2	09:15 AM - 09:20 AM	57.9	49.2
04:00 AM - 04:05 AM	61.0	39.9	06:40 AM - 06:45 AM	54.0	49.4	09:20 AM - 09:25 AM	53.4	48.3
04:05 AM - 04:10 AM	49.2	39.0	06:45 AM - 06:50 AM	56.6	49.5	09:25 AM - 09:30 AM	56.5	48.2
04:10 AM - 04:15 AM	53.5	40.1	06:50 AM - 06:55 AM	56.7	50.2	09:30 AM - 09:35 AM	52.8	48.9
04:15 AM - 04:20 AM	52.9	39.9	06:55 AM - 07:00 AM	52.3	48.3	09:35 AM - 09:40 AM	51.5	48.6
04:20 AM - 04:25 AM	50.6	41.8	07:00 AM - 07:05 AM	61.7	47.6	09:40 AM - 09:45 AM	53.0	49.7
04:25 AM - 04:30 AM	50.8	46.3	07:05 AM - 07:10 AM	55.5	45.8	09:45 AM - 09:50 AM	53.7	51.2
04:30 AM - 04:35 AM	50.9	48.4	07:10 AM - 07:15 AM	52.9	47.5	09:50 AM - 09:55 AM	53.4	50.5
04:35 AM - 04:40 AM	51.2	49.1	07:15 AM - 07:20 AM	53.5	50.4	09:55 AM - 10:00 AM	56.9	52.8

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Sarayuht Jitranont
Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number 2599077-20
Parameter Noise Level (Leq 5 min)
Location ถนนบ้าน หมู่ 2 บ้านหนองละลอก หมู่ 2 (อ.แม่เหล็ก) (N3) (GPS 47P 0745668, 1429442)
Measurement Date Nov 21 - Nov 22, 2025
Measurement by Apichart Wilas
Sound Level meter Serial No. 1120937

Page 3 of 3

Nov 21, 2025	Leq	L90	Nov 21, 2025	Leq	L90	Nov 21, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
10:00 AM - 10:05 AM	60.1	55.0	12:40 PM - 12:45 PM	51.0	49.3	03:20 PM - 03:25 PM	50.8	46.6
10:05 AM - 10:10 AM	60.6	55.6	12:45 PM - 12:50 PM	53.4	49.7	03:25 PM - 03:30 PM	53.9	49.0
10:10 AM - 10:15 AM	58.7	52.8	12:50 PM - 12:55 PM	54.2	49.3	03:30 PM - 03:35 PM	55.1	48.2
10:15 AM - 10:20 AM	61.3	52.9	12:55 PM - 01:00 PM	53.2	48.9	03:35 PM - 03:40 PM	52.2	46.8
10:20 AM - 10:25 AM	57.9	51.4	01:00 PM - 01:05 PM	53.1	48.8	03:40 PM - 03:45 PM	50.2	45.8
10:25 AM - 10:30 AM	64.1	52.0	01:05 PM - 01:10 PM	52.6	49.1	03:45 PM - 03:50 PM	55.7	46.7
10:30 AM - 10:35 AM	62.7	55.9	01:10 PM - 01:15 PM	51.8	48.3	03:50 PM - 03:55 PM	57.9	46.0
10:35 AM - 10:40 AM	62.9	60.2	01:15 PM - 01:20 PM	52.1	47.8	03:55 PM - 04:00 PM	57.9	45.4
10:40 AM - 10:45 AM	60.9	54.5	01:20 PM - 01:25 PM	49.9	48.5	04:00 PM - 04:05 PM	59.2	45.9
10:45 AM - 10:50 AM	67.8	53.7	01:25 PM - 01:30 PM	56.6	48.3	04:05 PM - 04:10 PM	60.2	45.3
10:50 AM - 10:55 AM	64.9	49.5	01:30 PM - 01:35 PM	56.7	49.2	04:10 PM - 04:15 PM	59.9	46.5
10:55 AM - 11:00 AM	57.5	49.6	01:35 PM - 01:40 PM	56.5	50.6	04:15 PM - 04:20 PM	55.6	47.7
11:00 AM - 11:05 AM	64.5	52.4	01:40 PM - 01:45 PM	52.7	48.7	04:20 PM - 04:25 PM	59.2	48.2
11:05 AM - 11:10 AM	59.4	50.9	01:45 PM - 01:50 PM	52.1	47.3	04:25 PM - 04:30 PM	63.5	46.6
11:10 AM - 11:15 AM	63.0	56.2	01:50 PM - 01:55 PM	55.2	50.2	04:30 PM - 04:35 PM	60.0	48.0
11:15 AM - 11:20 AM	63.2	60.5	01:55 PM - 02:00 PM	54.1	47.8	04:35 PM - 04:40 PM	54.1	48.8
11:20 AM - 11:25 AM	61.2	54.8	02:00 PM - 02:05 PM	55.1	47.5	04:40 PM - 04:45 PM	60.6	50.1
11:25 AM - 11:30 AM	58.4	52.8	02:05 PM - 02:10 PM	53.4	49.0	04:45 PM - 04:50 PM	57.3	49.2
11:30 AM - 11:35 AM	58.2	49.1	02:10 PM - 02:15 PM	54.7	50.5	04:50 PM - 04:55 PM	55.6	48.0
11:35 AM - 11:40 AM	53.6	46.9	02:15 PM - 02:20 PM	56.0	50.6	04:55 PM - 05:00 PM	63.1	48.7
11:40 AM - 11:45 AM	53.8	46.4	02:20 PM - 02:25 PM	56.2	47.9	05:00 PM - 05:05 PM	56.9	48.1
11:45 AM - 11:50 AM	54.3	47.6	02:25 PM - 02:30 PM	55.9	48.4	05:05 PM - 05:10 PM	53.0	47.9
11:50 AM - 11:55 AM	56.1	46.1	02:30 PM - 02:35 PM	50.9	44.3	05:10 PM - 05:15 PM	61.0	48.8
11:55 AM - 12:00 PM	56.6	45.7	02:35 PM - 02:40 PM	52.9	45.6	05:15 PM - 05:20 PM	56.9	53.1
12:00 PM - 12:05 PM	55.8	46.7	02:40 PM - 02:45 PM	50.8	44.9	05:20 PM - 05:25 PM	55.3	49.6
12:05 PM - 12:10 PM	54.4	47.5	02:45 PM - 02:50 PM	50.8	45.2	05:25 PM - 05:30 PM	56.4	50.3
12:10 PM - 12:15 PM	52.6	50.5	02:50 PM - 02:55 PM	54.1	47.7	05:30 PM - 05:35 PM	55.1	50.4
12:15 PM - 12:20 PM	51.7	49.5	02:55 PM - 03:00 PM	56.6	48.9	05:35 PM - 05:40 PM	60.3	49.3
12:20 PM - 12:25 PM	51.2	49.8	03:00 PM - 03:05 PM	53.6	45.5	05:40 PM - 05:45 PM	55.6	48.4
12:25 PM - 12:30 PM	58.5	49.9	03:05 PM - 03:10 PM	57.3	46.6	05:45 PM - 05:50 PM	53.2	48.6
12:30 PM - 12:35 PM	51.9	47.6	03:10 PM - 03:15 PM	56.7	46.2	05:50 PM - 05:55 PM	57.7	48.6
12:35 PM - 12:40 PM	52.2	49.2	03:15 PM - 03:20 PM	56.8	45.9	05:55 PM - 06:00 PM	58.2	48.7

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Sarayuht Jitranont
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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number 2599077-20
Parameter Noise Level (Leq 5 min)
Location ถนนบ้าน หมู่ 2 บ้านหนองละลอก หมู่ 2 (อ.แม่เหล็ก) (N3) (GPS 47P 0745668, 1429442)
Measurement Date Nov 21 - Nov 22, 2025
Measurement by Apichart Wilas
Sound Level meter Serial No. 1120937

Page 2 of 3

Nov 21, 2025			Nov 21, 2025			Nov 21 - Nov 22, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
05:00 PM - 05:05 PM	53.2	49.3	08:40 PM - 08:45 PM	55.6	52.1	11:20 PM - 11:25 PM	56.9	56.0
05:05 PM - 05:10 PM	63.4	50.0	08:45 PM - 08:50 PM	61.4	52.1	11:25 PM - 11:30 PM	56.9	55.6
05:10 PM - 05:15 PM	59.2	48.6	08:50 PM - 08:55 PM	55.0	53.0	11:30 PM - 11:35 PM	56.5	54.3
05:15 PM - 05:20 PM	56.0	48.8	08:55 PM - 09:00 PM	53.9	53.1	11:35 PM - 11:40 PM	55.6	53.0
05:20 PM - 05:25 PM	60.9	49.9	09:00 PM - 09:05 PM	54.3	52.5	11:40 PM - 11:45 PM	56.3	54.8
05:25 PM - 05:30 PM	57.9	50.6	09:05 PM - 09:10 PM	54.1	52.5	11:45 PM - 11:50 PM	56.3	54.8
05:30 PM - 05:35 PM	52.0	50.2	09:10 PM - 09:15 PM	55.1	52.9	11:50 PM - 11:55 PM	56.3	55.1
05:35 PM - 05:40 PM	63.5	49.5	09:15 PM - 09:20 PM	55.5	53.2	11:55 PM - 12:00 AM	57.3	55.5
05:40 PM - 05:45 PM	51.7	48.7	09:20 PM - 09:25 PM	55.9	53.7	12:00 AM - 12:05 AM	57.6	55.8
05:45 PM - 05:50 PM	56.9	50.3	09:25 PM - 09:30 PM	54.9	52.6	12:05 AM - 12:10 AM	56.5	54.8
05:50 PM - 05:55 PM	54.7	51.8	09:30 PM - 09:35 PM	55.8	53.0	12:10 AM - 12:15 AM	56.3	54.6
05:55 PM - 06:00 PM	60.0	51.8	09:35 PM - 09:40 PM	55.8	52.9	12:15 AM - 12:20 AM	57.3	54.9
06:00 PM - 06:05 PM	54.6	51.7	09:40 PM - 09:45 PM	56.4	52.4	12:20 AM - 12:25 AM	56.8	53.0
06:05 PM - 06:10 PM	55.5	51.5	09:45 PM - 09:50 PM	57.7	53.3	12:25 AM - 12:30 AM	58.1	54.9
06:10 PM - 06:15 PM	55.8	51.6	09:50 PM - 09:55 PM	61.6	53.6	12:30 AM - 12:35 AM	58.4	55.4
06:15 PM - 06:20 PM	60.3	52.5	09:55 PM - 10:00 PM	61.9	53.8	12:35 AM - 12:40 AM	58.7	55.3
06:20 PM - 06:25 PM	60.1	52.2	10:00 PM - 10:05 PM	56.5	53.4	12:40 AM - 12:45 AM	59.7	52.0
06:25 PM - 06:30 PM	56.2	51.8	10:05 PM - 10:10 PM	59.9	52.5	12:45 AM - 12:50 AM	60.8	52.9
06:30 PM - 06:35 PM	53.2	48.6	10:10 PM - 10:15 PM	60.7	53.6	12:50 AM - 12:55 AM	60.8	54.7
06:35 PM - 06:40 PM	55.6	50.8	10:15 PM - 10:20 PM	59.4	52.4	12:55 AM - 01:00 AM	61.2	54.2
06:40 PM - 06:45 PM	60.3	51.6	10:20 PM - 10:25 PM	55.9	52.2	01:00 AM - 01:05 AM	60.6	53.7
06:45 PM - 06:50 PM	55.0	51.5	10:25 PM - 10:30 PM	56.0	53.8	01:05 AM - 01:10 AM	58.9	51.1
06:50 PM - 06:55 PM	56.6	51.8	10:30 PM - 10:35 PM	57.3	55.1	01:10 AM - 01:15 AM	59.6	53.1
06:55 PM - 07:00 PM	59.6	51.2	10:35 PM - 10:40 PM	56.5	55.1	01:15 AM - 01:20 AM	62.0	51.5
07:00 PM - 07:05 PM	60.0	50.6	10:40 PM - 10:45 PM	57.0	55.2	01:20 AM - 01:25 AM	57.2	51.3
07:05 PM - 07:10 PM	53.8	49.8	10:45 PM - 10:50 PM	55.2	52.8	01:25 AM - 01:30 AM	64.2	52.1
07:10 PM - 07:15 PM	53.4	49.7	10:50 PM - 10:55 PM	55.4	52.9	01:30 AM - 01:35 AM	61.2	51.9
07:15 PM - 07:20 PM	53.6	49.5	10:55 PM - 11:00 PM	55.0	52.6	01:35 AM - 01:40 AM	65.6	49.8
07:20 PM - 07:25 PM	55.5	50.7	11:00 PM - 11:05 PM	56.0	52.9	01:40 AM - 01:45 AM	59.2	50.6
07:25 PM - 07:30 PM	55.3	50.9	11:05 PM - 11:10 PM	57.0	53.4	01:45 AM - 01:50 AM	51.2	51.3
07:30 PM - 07:35 PM	56.5	51.9	11:10 PM - 11:15 PM	57.0	53.7	01:50 AM - 01:55 AM	55.3	52.0
07:35 PM - 08:40 PM	57.4	52.0	11:15 PM - 11:20 PM	57.1	56.2	01:55 AM - 02:00 AM	61.6	52.7



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599077
Date Received : Nov 24, 2025
Date Reported : Nov 29, 2025
Report Number : 3460142-1

Sample Number 2599077-21
Parameter Noise Level (Leq 5 min)
Location กลางบ้าน หมู่ 2 บ้านหนองละลอก หมู่ 2 (อ.แม่เหล็ก) (N3) (GPS 47P 0745668, 1429442)
Measurement Date Nov 22 - Nov 23, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 1120937

Page 1 of 3

Nov 22, 2025			Nov 22, 2025			Nov 22, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
10:00 AM - 10:05 AM	54.6	49.5	12:40 PM - 12:45 PM	54.4	51.1	03:20 PM - 03:25 PM	66.9	55.1
10:05 AM - 10:10 AM	55.6	50.1	12:45 PM - 12:50 PM	52.6	48.4	03:25 PM - 03:30 PM	58.8	54.9
10:10 AM - 10:15 AM	57.3	47.5	12:50 PM - 12:55 PM	54.3	48.4	03:30 PM - 03:35 PM	62.4	55.6
10:15 AM - 10:20 AM	58.4	46.5	12:55 PM - 01:00 PM	53.4	49.7	03:35 PM - 03:40 PM	62.2	53.7
10:20 AM - 10:25 AM	58.7	48.0	01:00 PM - 01:05 PM	52.3	49.2	03:40 PM - 03:45 PM	61.5	53.1
10:25 AM - 10:30 AM	58.6	50.6	01:05 PM - 01:10 PM	52.7	50.5	03:45 PM - 03:50 PM	59.7	52.1
10:30 AM - 10:35 AM	53.2	47.4	01:10 PM - 01:15 PM	56.5	51.4	03:50 PM - 03:55 PM	59.8	52.1
10:35 AM - 10:40 AM	52.8	47.7	01:15 PM - 01:20 PM	56.5	49.2	03:55 PM - 04:00 PM	62.2	50.3
10:40 AM - 10:45 AM	54.6	45.2	01:20 PM - 01:25 PM	53.2	48.6	04:00 PM - 04:05 PM	58.6	49.9
10:45 AM - 10:50 AM	49.4	45.0	01:25 PM - 01:30 PM	61.7	49.1	04:05 PM - 04:10 PM	58.3	50.5
10:50 AM - 10:55 AM	51.4	45.8	01:30 PM - 01:35 PM	54.8	51.3	04:10 PM - 04:15 PM	59.3	50.6
10:55 AM - 11:00 AM	51.8	45.3	01:35 PM - 01:40 PM	53.4	48.6	04:15 PM - 04:20 PM	56.4	50.8
11:00 AM - 11:05 AM	57.1	44.8	01:40 PM - 01:45 PM	55.4	51.4	04:20 PM - 04:25 PM	58.2	50.6
11:05 AM - 11:10 AM	50.9	43.3	01:45 PM - 01:50 PM	54.4	50.1	04:25 PM - 04:30 PM	54.0	49.9
11:10 AM - 11:15 AM	52.8	43.2	01:50 PM - 01:55 PM	53.3	49.4	04:30 PM - 04:35 PM	59.1	49.9
11:15 AM - 11:20 AM	56.6	44.0	01:55 PM - 02:00 PM	59.9	49.3	04:35 PM - 04:40 PM	54.4	49.4
11:20 AM - 11:25 AM	54.5	48.4	02:00 PM - 02:05 PM	55.8	47.6	04:40 PM - 04:45 PM	52.6	49.1
11:25 AM - 11:30 AM	56.3	49.6	02:05 PM - 02:10 PM	57.1	47.8	04:45 PM - 04:50 PM	56.0	48.9
11:30 AM - 11:35 AM	56.6	49.6	02:10 PM - 02:15 PM	52.1	48.2	04:50 PM - 04:55 PM	53.8	49.9
11:35 AM - 11:40 AM	62.0	49.2	02:15 PM - 02:20 PM	57.4	47.1	04:55 PM - 05:00 PM	60.6	48.9
11:40 AM - 11:45 AM	61.0	48.0	02:20 PM - 02:25 PM	53.7	47.7	05:00 PM - 05:05 PM	58.3	48.3
11:45 AM - 11:50 AM	54.6	48.0	02:25 PM - 02:30 PM	56.5	51.7	05:05 PM - 05:10 PM	50.0	47.0
11:50 AM - 11:55 AM	56.5	48.6	02:30 PM - 02:35 PM	62.4	56.8	05:10 PM - 05:15 PM	49.5	47.0
11:55 AM - 12:00 PM	54.0	50.1	02:35 PM - 02:40 PM	60.6	56.6	05:15 PM - 05:20 PM	51.1	47.2
12:00 PM - 12:05 PM	56.1	51.9	02:40 PM - 02:45 PM	63.9	57.7	05:20 PM - 05:25 PM	51.6	48.4
12:05 PM - 12:10 PM	59.5	50.7	02:45 PM - 02:50 PM	63.0	56.6	05:25 PM - 05:30 PM	52.5	47.1
12:10 PM - 12:15 PM	55.3	50.7	02:50 PM - 02:55 PM	62.9	58.8	05:30 PM - 05:35 PM	51.5	47.8
12:15 PM - 12:20 PM	55.3	49.0	02:55 PM - 03:00 PM	61.8	55.4	05:35 PM - 05:40 PM	53.6	47.6
12:20 PM - 12:25 PM	53.8	49.0	03:00 PM - 03:05 PM	60.7	57.1	05:40 PM - 05:45 PM	56.8	48.4
12:25 PM - 12:30 PM	55.2	50.9	03:05 PM - 03:10 PM	65.3	61.8	05:45 PM - 05:50 PM	54.8	48.4
12:30 PM - 12:35 PM	55.4	51.8	03:10 PM - 03:15 PM	65.0	62.8	05:50 PM - 05:55 PM	54.1	48.6
12:35 PM - 12:40 PM	54.5	51.0	03:15 PM - 03:20 PM	61.7	56.8	05:55 PM - 06:00 PM	55.6	48.8

The above results are valid only for the analysed/tested sample(s) as indicated in the report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Sarayuht Jitranont
Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599077
Date Received : Nov 24, 2025
Date Reported : Nov 29, 2025
Report Number : 3460142-1

Sample Number 2599077-22
Parameter Noise Level (Leq 5 min)
Location กลางบ้าน หมู่ 2 บ้านหนองละลอก หมู่ 2 (อ.แม่เหล็ก) (N3) (GPS 47P 0745668, 1429442)
Measurement Date Nov 22 - Nov 23, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 1120937

Page 1 of 3

Nov 22, 2025			Nov 22, 2025			Nov 22 - Nov 23, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
06:00 PM - 06:05 PM	55.6	49.4	08:40 PM - 08:45 PM	53.9	51.6	11:20 PM - 11:25 PM	47.8	46.0
06:05 PM - 06:10 PM	53.2	49.8	08:45 PM - 08:50 PM	54.0	51.3	11:25 PM - 11:30 PM	50.4	47.8
06:10 PM - 06:15 PM	52.0	48.7	08:50 PM - 08:55 PM	54.3	50.4	11:30 PM - 11:35 PM	50.5	47.7
06:15 PM - 06:20 PM	53.0	48.2	08:55 PM - 09:00 PM	52.4	50.3	11:35 PM - 11:40 PM	50.1	47.6
06:20 PM - 06:25 PM	54.6	47.7	09:00 PM - 09:05 PM	52.9	49.7	11:40 PM - 11:45 PM	49.0	46.9
06:25 PM - 06:30 PM	54.8	48.1	09:05 PM - 09:10 PM	52.3	48.7	11:45 PM - 11:50 PM	50.8	46.9
06:30 PM - 06:35 PM	54.7	47.5	09:10 PM - 09:15 PM	55.5	49.3	11:50 PM - 11:55 PM	48.1	45.8
06:35 PM - 06:40 PM	54.6	48.2	09:15 PM - 09:20 PM	57.2	49.5	11:55 PM - 12:00 AM	48.9	44.9
06:40 PM - 06:45 PM	55.4	50.6	09:20 PM - 09:25 PM	58.7	50.8	12:00 AM - 12:05 AM	53.8	47.7
06:45 PM - 06:50 PM	58.2	51.2	09:25 PM - 09:30 PM	58.0	50.3	12:05 AM - 12:10 AM	50.8	49.1
06:50 PM - 06:55 PM	55.4	51.5	09:30 PM - 09:35 PM	50.9	49.1	12:10 AM - 12:15 AM	51.8	48.9
06:55 PM - 07:00 PM	54.2	51.4	09:35 PM - 09:40 PM	54.5	50.4	12:15 AM - 12:20 AM	50.9	49.1
07:00 PM - 07:05 PM	54.8	51.1	09:40 PM - 09:45 PM	52.7	49.2	12:20 AM - 12:25 AM	51.8	49.2
07:05 PM - 07:10 PM	54.9	50.2	09:45 PM - 09:50 PM	52.8	49.2	12:25 AM - 12:30 AM	53.5	49.3
07:10 PM - 07:15 PM	53.1	50.3	09:50 PM - 09:55 PM	52.3	50.2	12:30 AM - 12:35 AM	52.4	48.5
07:15 PM - 07:20 PM	51.9	49.5	09:55 PM - 10:00 PM	52.7	50.6	12:35 AM - 12:40 AM	50.2	47.4
07:20 PM - 07:25 PM	53.8	51.0	10:00 PM - 10:05 PM	50.9	49.7	12:40 AM - 12:45 AM	53.0	49.2
07:25 PM - 07:30 PM	55.4	52.1	10:05 PM - 10:10 PM	51.5	48.6	12:45 AM - 12:50 AM	54.2	48.5
07:30 PM - 07:35 PM	53.5	51.0	10:10 PM - 10:15 PM	52.1	48.8	12:50 AM - 12:55 AM	49.8	47.5
07:35 PM - 07:40 PM	55.1	51.7	10:15 PM - 10:20 PM	51.8	48.4	12:55 AM - 01:00 AM	55.9	52.7
07:40 PM - 07:45 PM	53.6	51.3	10:20 PM - 10:25 PM	51.3	49.3	01:00 AM - 01:05 AM	56.0	53.5
07:45 PM - 07:50 PM	55.4	52.7	10:25 PM - 10:30 PM	53.8	48.0	01:05 AM - 01:10 AM	56.3	53.8
07:50 PM - 07:55 PM	53.3	51.9	10:30 PM - 10:35 PM	49.9	47.9	01:10 AM - 01:15 AM	56.2	52.6
07:55 PM - 08:00 PM	54.1	52.6	10:35 PM - 10:40 PM	50.7	47.5	01:15 AM - 01:20 AM	56.8	54.6
08:00 PM - 08:05 PM	52.5	50.5	10:40 PM - 10:45 PM	48.2	46.7	01:20 AM - 01:25 AM	55.8	48.7
08:05 PM - 08:10 PM	52.6	50.8	10:45 PM - 10:50 PM	47.1	45.5	01:25 AM - 01:30 AM	57.5	55.0
08:10 PM - 08:15 PM	52.9	48.6	10:50 PM - 10:55 PM	50.9	48.7	01:30 AM - 01:35 AM	57.1	54.1
08:15 PM - 08:20 PM	52.1	50.3	10:55 PM - 11:00 PM	53.8	48.7	01:35 AM - 01:40 AM	57.2	53.8
08:20 PM - 08:25 PM	51.9	50.0	11:00 PM - 11:05 PM	52.1	47.7	01:40 AM - 01:45 AM	57.7	55.2
08:25 PM - 08:30 PM	53.3	50.6	11:05 PM - 11:10 PM	50.3	48.2	01:45 AM - 01:50 AM	56.9	54.1
08:30 PM - 08:35 PM	54.1	50.8	11:10 PM - 11:15 PM	46.7	45.2	01:50 AM - 01:55 AM	56.4	52.8
08:35 PM - 08:40 PM	53.4	50.1	11:15 PM - 11:20 PM	49.0	45.6	01:55 AM - 02:00 AM	55.7	46.8

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599077
Date Received : Nov 24, 2025
Date Reported : Nov 29, 2025
Report Number : 3460142-1

Sample Number 2599077-21
Parameter Noise Level (Leq 5 min)
Location กลางบ้าน หมู่ 2 บ้านหนองละลอก หมู่ 2 (อ.แม่เหล็ก) (N3) (GPS 47P 0745668, 1429442)
Measurement Date Nov 22 - Nov 23, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 1120937

Page 3 of 3

Nov 23, 2025			Nov 23, 2025			Nov 23, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
02:00 AM - 02:05 AM	54.1	46.3	04:40 AM - 04:45 AM	60.8	44.8	07:20 AM - 07:25 AM	51.8	47.9
02:05 AM - 02:10 AM	58.0	48.5	04:45 AM - 04:50 AM	56.8	46.0	07:25 AM - 07:30 AM	58.3	47.7
02:10 AM - 02:15 AM	58.7	49.0	04:50 AM - 04:55 AM	53.5	47.9	07:30 AM - 07:35 AM	50.6	45.5
02:15 AM - 02:20 AM	58.3	48.9	04:55 AM - 05:00 AM	54.0	44.1	07:35 AM - 07:40 AM	55.4	46.9
02:20 AM - 02:25 AM	57.0	51.0	05:00 AM - 05:05 AM	52.0	43.1	07:40 AM - 07:45 AM	53.6	47.3
02:25 AM - 02:30 AM	58.5	52.5	05:05 AM - 05:10 AM	52.0	43.6	07:45 AM - 07:50 AM	53.6	47.3
02:30 AM - 02:35 AM	59.4	53.3	05:10 AM - 05:15 AM	50.1	43.9	07:50 AM - 07:55 AM	52.7	46.7
02:35 AM - 02:40 AM	60.5	56.0	05:15 AM - 05:20 AM	51.6	42.7	07:55 AM - 08:00 AM	54.6	48.1
02:40 AM - 02:45 AM	59.4	54.8	05:20 AM - 05:25 AM	44.8	42.3	08:00 AM - 08:05 AM	59.5	48.1
02:45 AM - 02:50 AM	59.4	54.1	05:25 AM - 05:30 AM	51.1	42.5	08:05 AM - 08:10 AM	57.1	48.8
02:50 AM - 02:55 AM	58.7	52.6	05:30 AM - 05:35 AM	50.0	43.5	08:10 AM - 08:15 AM	53.3	47.2
02:55 AM - 03:00 AM	58.7	53.2	05:35 AM - 05:40 AM	59.8	43.3	08:15 AM - 08:20 AM	48.2	46.9
03:00 AM - 03:05 AM	59.1	54.3	05:40 AM - 05:45 AM	51.7	43.1	08:20 AM - 08:25 AM	56.8	47.2
03:05 AM - 03:10 AM	58.7	52.1	05:45 AM - 05:50 AM	49.9	43.7	08:25 AM - 08:30 AM	50.3	47.5
03:10 AM - 03:15 AM	58.3	51.5	05:50 AM - 05:55 AM	50.3	43.9	08:30 AM - 08:35 AM	56.7	47.5
03:15 AM - 03:20 AM	59.6	52.3	05:55 AM - 06:00 AM	58.4	45.7	08:35 AM - 08:40 AM	54.1	49.8
03:20 AM - 03:25 AM	58.0	51.9	06:00 AM - 06:05 AM	51.4	47.4	08:40 AM - 08:45 AM	54.3	49.1
03:25 AM - 03:30 AM	56.4	51.2	06:05 AM - 06:10 AM	57.7	45.8	08:45 AM - 08:50 AM	59.1	55.3
03:30 AM - 03:35 AM	53.4	49.7	06:10 AM - 06:15 AM	52.3	44.6	08:50 AM - 08:55 AM	57.5	52.2
03:35 AM - 03:40 AM	53.5	49.8	06:15 AM - 06:20 AM	53.2	45.1	08:55 AM - 09:00 AM	57.5	52.2
03:40 AM - 03:45 AM	52.3	49.1	06:20 AM - 06:25 AM	49.9	43.9	09:00 AM - 09:05 AM	55.8	50.1
03:45 AM - 03:50 AM	51.7	48.6	06:25 AM - 06:30 AM	54.6	45.8	09:05 AM - 09:10 AM	50.8	47.2
03:50 AM - 03:55 AM	50.9	48.4	06:30 AM - 06:35 AM	49.9	45.9	09:10 AM - 09:15 AM	52.8	47.8
03:55 AM - 04:00 AM	50.3	45.5	06:35 AM - 06:40 AM	54.0	46.1	09:15 AM - 09:20 AM	55.5	47.1
04:00 AM - 04:05 AM	55.0	46.6	06:40 AM - 06:45 AM	51.0	46.2	09:20 AM - 09:25 AM	49.8	46.5
04:05 AM - 04:10 AM	63.5	48.8	06:45 AM - 06:50 AM	51.0	46.8	09:25 AM - 09:30 AM	50.5	47.2
04:10 AM - 04:15 AM	60.3	46.9	06:50 AM - 06:55 AM	55.1	46.3	09:30 AM - 09:35 AM	53.9	48.5
04:15 AM - 04:20 AM	52.2	47.5	06:55 AM - 07:00 AM	55.0	47.5	09:35 AM - 09:40 AM	58.0	47.9
04:20 AM - 04:25 AM	51.7	47.7	07:00 AM - 07:05 AM	57.1	48.3	09:40 AM - 09:45 AM	55.4	46.6
04:25 AM - 04:30 AM	52.5	45.0	07:05 AM - 07:10 AM	54.6	47.6	09:45 AM - 09:50 AM	55.3	47.8
04:30 AM - 04:35 AM	54.7	47.0	07:10 AM - 07:15 AM	57.0	48.5	09:50 AM - 09:55 AM	57.0	48.5
04:35 AM - 04:40 AM	57.8	45.3	07:15 AM - 07:20 AM	53.0	47.6	09:55 AM - 10:00 AM	54.9	47.2



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599077
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3460143-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

2599077-23			2599077-22		
Parameter			Parameter		
Location			Location		
Measurement Date			Measurement Date		
Sound Level meter			Sound Level meter		
Serial No. 531295			Serial No. 531295		
Nov 15, 2025	Leq dB(A)	L90 dB(A)	Nov 16, 2025	Leq dB(A)	L90 dB(A)
Time			Time		
06:00 PM - 06:05 PM	50.8	47.1	08:40 PM - 08:45 PM	56.5	52.9
06:05 PM - 06:10 PM	50.8	48.2	08:45 PM - 08:50 PM	56.1	52.9
06:10 PM - 06:15 PM	52.9	50.4	08:50 PM - 08:55 PM	53.8	49.7
06:15 PM - 06:20 PM	56.2	53.2	08:55 PM - 09:00 PM	53.2	48.8
06:20 PM - 06:25 PM	57.9	56.4	09:00 PM - 09:05 PM	49.7	47.9
06:25 PM - 06:30 PM	57.3	56.3	09:05 PM - 09:10 PM	51.3	47.2
06:30 PM - 06:35 PM	57.4	56.3	09:10 PM - 09:15 PM	53.4	47.0
06:35 PM - 06:40 PM	56.5	55.1	09:15 PM - 09:20 PM	55.5	48.7
06:40 PM - 06:45 PM	59.5	54.8	09:20 PM - 09:25 PM	54.4	49.1
06:45 PM - 06:50 PM	57.9	53.7	09:25 PM - 09:30 PM	50.2	46.4
06:50 PM - 06:55 PM	59.0	53.3	09:30 PM - 09:35 PM	48.2	45.4
06:55 PM - 07:00 PM	60.1	54.8	09:35 PM - 09:40 PM	48.1	45.2
07:00 PM - 07:05 PM	58.3	53.3	09:40 PM - 09:45 PM	47.6	45.4
07:05 PM - 07:10 PM	56.6	53.7	09:45 PM - 09:50 PM	48.7	46.5
07:10 PM - 07:15 PM	55.5	52.7	09:50 PM - 09:55 PM	49.7	47.4
07:15 PM - 07:20 PM	57.4	53.2	09:55 PM - 10:00 PM	50.6	48.8
07:20 PM - 07:25 PM	53.4	51.2	10:00 PM - 10:05 PM	51.5	49.6
07:25 PM - 07:30 PM	52.6	50.7	10:05 PM - 10:10 PM	51.4	49.2
07:30 PM - 07:35 PM	52.8	50.5	10:10 PM - 10:15 PM	51.5	49.3
07:35 PM - 07:40 PM	55.5	51.6	10:15 PM - 10:20 PM	51.0	48.1
07:40 PM - 07:45 PM	54.7	52.2	10:20 PM - 10:25 PM	49.7	46.7
07:45 PM - 07:50 PM	54.6	52.5	10:25 PM - 10:30 PM	51.5	48.3
07:50 PM - 07:55 PM	55.4	52.0	10:30 PM - 10:35 PM	50.6	47.9
07:55 PM - 08:00 PM	55.5	53.2	10:35 PM - 10:40 PM	50.9	48.6
08:00 PM - 08:05 PM	54.9	52.1	10:40 PM - 10:45 PM	51.5	49.0
08:05 PM - 08:10 PM	54.3	51.4	10:45 PM - 10:50 PM	51.4	49.4
08:10 PM - 08:15 PM	54.0	51.3	10:50 PM - 10:55 PM	51.1	49.0
08:15 PM - 08:20 PM	59.0	51.6	10:55 PM - 11:00 PM	51.6	49.3
08:20 PM - 08:25 PM	57.9	50.8	11:00 PM - 11:05 PM	52.0	50.1
08:25 PM - 08:30 PM	56.3	51.5	11:05 PM - 11:10 PM	51.5	49.9
08:30 PM - 08:35 PM	54.7	50.9	11:10 PM - 11:15 PM	51.1	49.6
08:35 PM - 08:40 PM	56.1	51.7	11:15 PM - 11:20 PM	51.7	50.3

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599077
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3460143-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

2599077-22			2599077-23		
Parameter			Parameter		
Location			Location		
Measurement Date			Measurement Date		
Sound Level meter			Sound Level meter		
Serial No. 531295			Serial No. 531295		
Nov 17, 2025	Leq dB(A)	L90 dB(A)	Nov 17, 2025	Leq dB(A)	L90 dB(A)
Time			Time		
02:00 AM - 02:05 AM	50.3	47.9	04:40 AM - 04:45 AM	49.3	48.5
02:05 AM - 02:10 AM	50.6	47.9	04:45 AM - 04:50 AM	49.5	48.6
02:10 AM - 02:15 AM	50.4	48.0	04:50 AM - 04:55 AM	49.7	48.8
02:15 AM - 02:20 AM	50.8	48.6	04:55 AM - 05:00 AM	49.5	48.4
02:20 AM - 02:25 AM	50.3	49.2	05:00 AM - 05:05 AM	49.4	48.3
02:25 AM - 02:30 AM	50.3	49.2	05:05 AM - 05:10 AM	49.5	48.5
02:30 AM - 02:35 AM	50.6	49.6	05:10 AM - 05:15 AM	49.7	49.2
02:35 AM - 02:40 AM	50.2	49.1	05:15 AM - 05:20 AM	49.8	49.2
02:40 AM - 02:45 AM	50.6	49.3	05:20 AM - 05:25 AM	49.7	49.2
02:45 AM - 02:50 AM	50.6	49.4	05:25 AM - 05:30 AM	49.0	48.3
02:50 AM - 02:55 AM	50.9	49.5	05:30 AM - 05:35 AM	49.4	48.6
02:55 AM - 03:00 AM	50.0	48.7	05:35 AM - 05:40 AM	49.2	48.2
03:00 AM - 03:05 AM	49.9	48.9	05:40 AM - 05:45 AM	49.9	49.1
03:05 AM - 03:10 AM	49.9	48.9	05:45 AM - 05:50 AM	50.8	49.8
03:10 AM - 03:15 AM	51.0	49.5	05:50 AM - 05:55 AM	49.8	48.4
03:15 AM - 03:20 AM	51.4	50.0	05:55 AM - 06:00 AM	50.2	48.6
03:20 AM - 03:25 AM	51.2	49.9	06:00 AM - 06:05 AM	49.3	48.8
03:25 AM - 03:30 AM	51.5	50.2	06:05 AM - 06:10 AM	49.2	48.4
03:30 AM - 03:35 AM	51.9	50.4	06:10 AM - 06:15 AM	49.3	48.6
03:35 AM - 03:40 AM	49.9	48.2	06:15 AM - 06:20 AM	48.9	48.1
03:40 AM - 03:45 AM	50.5	48.2	06:20 AM - 06:25 AM	48.2	47.4
03:45 AM - 03:50 AM	48.2	47.1	06:25 AM - 06:30 AM	50.9	46.9
03:50 AM - 03:55 AM	48.6	47.8	06:30 AM - 06:35 AM	48.5	47.3
03:55 AM - 04:00 AM	48.9	48.1	06:35 AM - 06:40 AM	48.1	47.1
04:00 AM - 04:05 AM	49.1	47.8	06:40 AM - 06:45 AM	50.7	46.9
04:05 AM - 04:10 AM	49.8	48.3	06:45 AM - 06:50 AM	47.4	46.1
04:10 AM - 04:15 AM	49.7	48.1	06:50 AM - 06:55 AM	46.8	45.9
04:15 AM - 04:20 AM	49.3	48.0	06:55 AM - 07:00 AM	47.1	46.1
04:20 AM - 04:25 AM	49.0	47.6	07:00 AM - 07:05 AM	46.2	45.9
04:25 AM - 04:30 AM	49.7	48.2	07:05 AM - 07:10 AM	46.9	45.9
04:30 AM - 04:35 AM	48.7	47.7	07:10 AM - 07:15 AM	47.8	46.3
04:35 AM - 04:40 AM	48.9	48.0	07:15 AM - 07:20 AM	48.0	46.3

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Approved by

Sarayuht Jitranont
Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599077
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3460144-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

2599077-23			2599077-22		
Parameter			Parameter		
Location			Location		
Measurement Date			Measurement Date		
Sound Level meter			Sound Level meter		
Serial No. 531295			Serial No. 531295		
Nov 17, 2025	Leq dB(A)	L90 dB(A)	Nov 17, 2025	Leq dB(A)	L90 dB(A)
Time			Time		
10:00 AM - 10:05 AM	50.4	47.7	12:40 PM - 12:45 PM	46.3	44.9
10:05 AM - 10:10 AM	51.0	47.9	12:45 PM - 12:50 PM	49.9	46.3
10:10 AM - 10:15 AM	50.9	47.4	12:50 PM - 12:55 PM	54.7	47.4
10:15 AM - 10:20 AM	49.3	46.6	12:55 PM - 01:00 PM	50.4	47.4
10:20 AM - 10:25 AM	50.6	48.1	01:00 PM - 01:05 PM	51.9	48.9
10:25 AM - 10:30 AM	49.6	47.7	01:05 PM - 01:10 PM	50.5	47.3
10:30 AM - 10:35 AM	50.2	48.3	01:10 PM - 01:15 PM	49.7	46.7
10:35 AM - 10:40 AM	49.7	47.4	01:15 PM - 01:20 PM	50.7	47.4
10:40 AM - 10:45 AM	46.6	47.0	01:20 PM - 01:25 PM	54.1	50.1
10:45 AM - 10:50 AM	48.7	46.1	01:25 PM - 01:30 PM	54.2	48.9
10:50 AM - 10:55 AM	52.2	46.9	01:30 PM - 01:35 PM	59.9	51.1
10:55 AM - 11:00 AM	54.1	49.7	01:35 PM - 01:40 PM	56.9	53.4
11:00 AM - 11:05 AM	52.4	50.6	01:40 PM - 01:45 PM	54.5	51.3
11:05 AM - 11:10 AM	51.7	49.2	01:45 PM - 01:50 PM	52.4	49.4
11:10 AM - 11:15 AM	50.5	47.7	01:50 PM - 01:55 PM	51.5	48.7
11:15 AM - 11:20 AM	52.0	48.2	01:55 PM - 02:00 PM	51.0	48.6
11:20 AM - 11:25 AM	52.1	49.6	02:00 PM - 02:05 PM	50.0	48.0
11:25 AM - 11:30 AM	49.9	47.0	02:05 PM - 02:10 PM	51.6	48.4
11:30 AM - 11:35 AM	50.7	47.9	02:10 PM - 02:15 PM	51.1	48.6
11:35 AM - 11:40 AM	51.5	49.2	02:15 PM - 02:20 PM	51.9	49.9
11:40 AM - 11:45 AM	48.8	45.9	02:20 PM - 02:25 PM	50.6	48.0
11:45 AM - 11:50 AM	48.1	44.9	02:25 PM - 02:30 PM	50.7	49.3
11:50 AM - 11:55 AM	55.7	46.3	02:30 PM - 02:35 PM	50.4	48.5
11:55 AM - 12:00 PM	45.4	43.1	02:35 PM - 02:40 PM	49.3	48.0
12:00 PM - 12:05 PM	44.0	42.3	02:40 PM - 02:45 PM	50.4	48.6
12:05 PM - 12:10 PM	44.4	42.8	02:45 PM - 02:50 PM	50.0	48.5
12:10 PM - 12:15 PM	43.9	42.0	02:50 PM - 02:55 PM	49.7	48.3
12:15 PM - 12:20 PM	43.1	41.4	02:55 PM - 03:00 PM	49.2	47.4
12:20 PM - 12:25 PM	44.1	41.8	03:00 PM - 03:05 PM	50.4	48.0
12:25 PM - 12:30 PM	44.3	42.5	03:05 PM - 03:10 PM	50.3	47.6
12:30 PM - 12:35 PM	45.6	42.5	03:10 PM - 03:15 PM	49.0	46.3
12:35 PM - 12:40 PM	47.2	43.4	03:15 PM - 03:20 PM	50.5	47.7

The above results are valid only for the analysed/tested sample(s) as indicated in the report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599077
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3460144-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample Number		2599077-23									
Parameter		Noise Level (Leq 5 min)									
Location		ถนนพหลโยธิน ย 5 กิโลเมตร (กม.) (ส.พ.พ.) (NH) (GPS 47 0744782, 1428916)									
Measurement Date		Nov 17 - Nov 18, 2025									
Measurement by		Apichart Watan									
Sound Level meter		Serial No. 531295									
Nov 17, 2025	Leq	L90	Nov 17, 2025	Leq	L90	Nov 17 - Nov 18, 2025	Leq	L90			
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)			
06:00 PM - 06:05 PM	47.8	45.9	08:40 PM - 08:45 PM	52.0	50.5	11:20 PM - 11:25 PM	53.6	51.6			
06:05 PM - 06:10 PM	48.1	46.1	08:45 PM - 08:50 PM	51.9	49.9	11:25 PM - 11:30 PM	53.5	51.5			
06:10 PM - 06:15 PM	49.5	47.3	08:50 PM - 08:55 PM	52.6	50.5	11:30 PM - 11:35 PM	54.0	52.1			
06:15 PM - 06:20 PM	51.0	48.8	08:55 PM - 09:00 PM	52.7	51.0	11:35 PM - 11:40 PM	54.2	51.9			
06:20 PM - 06:25 PM	55.6	53.8	09:00 PM - 09:05 PM	53.4	51.6	11:40 PM - 11:45 PM	53.7	51.2			
06:25 PM - 06:30 PM	56.2	54.5	09:05 PM - 09:10 PM	54.0	51.6	11:45 PM - 11:50 PM	51.6	50.5			
06:30 PM - 06:35 PM	56.9	56.0	09:10 PM - 09:15 PM	55.2	52.3	11:50 PM - 11:55 PM	51.8	50.7			
06:35 PM - 06:40 PM	56.6	55.6	09:15 PM - 09:20 PM	53.7	51.1	11:55 PM - 12:00 AM	52.2	51.1			
06:40 PM - 06:45 PM	56.5	55.7	09:20 PM - 09:25 PM	53.7	51.9	12:00 AM - 12:05 AM	52.2	50.1			
06:45 PM - 06:50 PM	56.4	55.4	09:25 PM - 09:30 PM	53.0	51.3	12:05 AM - 12:10 AM	51.4	50.1			
06:50 PM - 06:55 PM	57.2	55.2	09:30 PM - 09:35 PM	52.2	50.3	12:10 AM - 12:15 AM	52.1	50.1			
06:55 PM - 07:00 PM	56.5	54.1	09:35 PM - 09:40 PM	52.0	49.9	12:15 AM - 12:20 AM	53.1	50.1			
07:00 PM - 07:05 PM	55.3	54.2	09:40 PM - 09:45 PM	52.4	50.3	12:20 AM - 12:25 AM	52.1	49.7			
07:05 PM - 07:10 PM	54.5	53.6	09:45 PM - 09:50 PM	53.0	51.5	12:25 AM - 12:30 AM	51.4	50.1			
07:10 PM - 07:15 PM	54.2	53.3	09:50 PM - 09:55 PM	52.5	50.7	12:30 AM - 12:35 AM	50.8	49.6			
07:15 PM - 07:20 PM	53.7	52.3	09:55 PM - 10:00 PM	53.2	51.5	12:35 AM - 12:40 AM	50.9	49.7			
07:20 PM - 07:25 PM	52.9	51.8	10:00 PM - 10:05 PM	52.5	51.0	12:40 AM - 12:45 AM	51.1	49.9			
07:25 PM - 07:30 PM	53.6		10:05 PM - 10:10 PM	53.2	51.8	12:45 AM - 12:50 AM	51.8	50.5			
07:30 PM - 07:35 PM	52.9	51.2	10:10 PM - 10:15 PM	53.3	51.9	12:50 AM - 12:55 AM	53.5	51.0			
07:35 PM - 07:40 PM	51.3	50.2	10:15 PM - 10:20 PM	53.4	52.0	12:55 AM - 01:00 AM	52.3	50.5			
07:40 PM - 07:45 PM	53.2	50.8	10:20 PM - 10:25 PM	52.4	50.8	01:00 AM - 01:05 AM	52.7	50.4			
07:45 PM - 07:50 PM	53.5	51.4	10:25 PM - 10:30 PM	51.0	49.6	01:05 AM - 01:10 AM	51.9	50.5			
07:50 PM - 07:55 PM	54.2	52.6	10:30 PM - 10:35 PM	51.8	50.3	01:10 AM - 01:15 AM	51.6	50.1			
07:55 PM - 08:00 PM	54.5	52.1	10:35 PM - 10:40 PM	52.3	50.5	01:15 AM - 01:20 AM	51.7	50.1			
08:00 PM - 08:05 PM	55.6	54.4	10:40 PM - 10:45 PM	53.1	50.9	01:20 AM - 01:25 AM	51.5	49.8			
08:05 PM - 08:10 PM	55.0	53.5	10:45 PM - 10:50 PM	54.3	52.1	01:25 AM - 01:30 AM	52.2	49.5			
08:10 PM - 08:15 PM	54.2	52.7	10:50 PM - 10:55 PM	53.5	51.8	01:30 AM - 01:35 AM	51.7	49.8			
08:15 PM - 08:20 PM	53.4	51.7	10:55 PM - 11:00 PM	52.8	51.3	01:35 AM - 01:40 AM	52.6	50.8			
08:20 PM - 08:25 PM	51.8	50.1	11:00 PM - 11:05 PM	53.4	51.3	01:40 AM - 01:45 AM	51.6	50.5			
08:25 PM - 08:30 PM	51.8	50.1	11:05 PM - 11:10 PM	53.4	51.3	01:45 AM - 01:50 AM	52.4	50.4			
08:30 PM - 08:35 PM	52.2	50.5	11:10 PM - 11:15 PM	52.9	51.6	01:50 AM - 01:55 AM	52.6	50.7			
08:35 PM - 08:40 PM	51.9	50.1	11:15 PM - 11:20 PM	53.5	51.5	01:55 AM - 02:00 AM	52.3	50.5			



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023

Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number : 2599077-23
Parameter : Noise Level (Leq 5 min)
Location : สถานีวิทยุ 5 ย่านมาเณงโก (ส.มาเณงโก) (N4) (GPS 47 0744782, 1428916)
Measurement Date : Nov 17 - Nov 18, 2025
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 531295

Page 3 of 3

Nov 18, 2025	Leq	L90	Nov 18, 2025	Leq	L90	Nov 18, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
02:00 AM - 02:05 AM	52.5	50.6	04:40 AM - 04:45 AM	49.4	48.8	07:20 AM - 07:25 AM	46.6	45.1
02:05 AM - 02:10 AM	51.9	50.4	04:45 AM - 04:50 AM	49.3	48.8	07:25 AM - 07:30 AM	46.3	45.2
02:10 AM - 02:15 AM	52.6	51.0	04:50 AM - 04:55 AM	49.8	49.2	07:30 AM - 07:35 AM	45.8	44.7
02:15 AM - 02:20 AM	52.4	50.7	04:55 AM - 05:00 AM	49.7	49.2	07:35 AM - 07:40 AM	46.4	45.0
02:20 AM - 02:25 AM	52.8	50.9	05:00 AM - 05:05 AM	49.8	49.3	07:40 AM - 07:45 AM	46.6	45.2
02:25 AM - 02:30 AM	51.5	49.7	05:05 AM - 05:10 AM	49.7	49.2	07:45 AM - 07:50 AM	46.2	44.9
02:30 AM - 02:35 AM	51.1	50.0	05:10 AM - 05:15 AM	49.2	48.5	07:50 AM - 07:55 AM	46.8	45.1
02:35 AM - 02:40 AM	51.0	49.9	05:15 AM - 05:20 AM	49.0	48.4	07:55 AM - 08:00 AM	46.8	44.9
02:40 AM - 02:45 AM	51.5	49.8	05:20 AM - 05:25 AM	49.1	48.5	08:00 AM - 08:05 AM	46.9	45.0
02:45 AM - 02:50 AM	51.3	49.8	05:25 AM - 05:30 AM	49.0	48.5	08:05 AM - 08:10 AM	47.7	45.5
02:50 AM - 02:55 AM	52.0	50.5	05:30 AM - 05:35 AM	49.3	48.5	08:10 AM - 08:15 AM	47.2	45.3
02:55 AM - 03:00 AM	51.7	50.1	05:35 AM - 05:40 AM	49.4	48.3	08:15 AM - 08:20 AM	47.9	46.2
03:00 AM - 03:05 AM	50.5	49.2	05:40 AM - 05:45 AM	49.4	48.6	08:20 AM - 08:25 AM	47.3	45.6
03:05 AM - 03:10 AM	50.1	48.8	05:45 AM - 05:50 AM	49.4	48.8	08:25 AM - 08:30 AM	48.6	45.8
03:10 AM - 03:15 AM	50.1	48.9	05:50 AM - 05:55 AM	49.6	48.9	08:30 AM - 08:35 AM	48.0	44.7
03:15 AM - 03:20 AM	50.6	49.2	05:55 AM - 06:00 AM	50.0	48.8	08:35 AM - 08:40 AM	46.6	45.2
03:20 AM - 03:25 AM	50.3	49.2	06:00 AM - 06:05 AM	49.1	48.5	08:40 AM - 08:45 AM	56.6	46.5
03:25 AM - 03:30 AM	50.2	49.2	06:05 AM - 06:10 AM	49.9	48.6	08:45 AM - 08:50 AM	58.0	51.5
03:30 AM - 03:35 AM	50.5	49.5	06:10 AM - 06:15 AM	49.4	48.5	08:50 AM - 08:55 AM	56.7	50.4
03:35 AM - 03:40 AM	51.8	49.8	06:15 AM - 06:20 AM	48.7	47.9	08:55 AM - 09:00 AM	56.1	51.9
03:40 AM - 03:45 AM	51.2	49.7	06:20 AM - 06:25 AM	51.3	48.5	09:00 AM - 09:05 AM	55.7	51.3
03:45 AM - 03:50 AM	50.5	49.4	06:25 AM - 06:30 AM	49.5	47.6	09:05 AM - 09:10 AM	55.0	49.9
03:50 AM - 03:55 AM	50.6	49.8	06:30 AM - 06:35 AM	49.0	47.4	09:10 AM - 09:15 AM	55.5	48.7
03:55 AM - 04:00 AM	50.3	49.3	06:35 AM - 06:40 AM	48.0	47.2	09:15 AM - 09:20 AM	54.1	49.3
04:00 AM - 04:05 AM	50.1	49.4	06:40 AM - 06:45 AM	47.9	46.9	09:20 AM - 09:25 AM	55.4	52.0
04:05 AM - 04:10 AM	50.4	49.6	06:45 AM - 06:50 AM	50.7	46.8	09:25 AM - 09:30 AM	55.5	50.5
04:10 AM - 04:15 AM	50.3	49.6	06:50 AM - 06:55 AM	47.2	46.2	09:30 AM - 09:35 AM	57.2	52.6
04:15 AM - 04:20 AM	50.0	49.2	06:55 AM - 07:00 AM	46.9	45.6	09:35 AM - 09:40 AM	57.4	52.6
04:20 AM - 04:25 AM	50.0	49.2	07:00 AM - 07:05 AM	46.6	45.6	09:40 AM - 09:45 AM	56.6	51.6
04:25 AM - 04:30 AM	49.6	48.9	07:05 AM - 07:10 AM	46.2	45.1	09:45 AM - 09:50 AM	57.4	53.2
04:30 AM - 04:35 AM	49.9	49.1	07:10 AM - 07:15 AM	46.4	45.4	09:50 AM - 09:55 AM	53.3	49.9
04:35 AM - 04:40 AM	49.7	49.1	07:15 AM - 07:20 AM	46.9	45.3	09:55 AM - 10:00 AM	53.7	48.9

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023

Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number : 2599077-24
Parameter : Noise Level (Leq 5 min)
Location : สถานีวิทยุ 5 ย่านมาเณงโก (ส.มาเณงโก) (N4) (GPS 47 0744782, 1428916)
Measurement Date : Nov 18 - Nov 19, 2025
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 531295

Page 1 of 3

Nov 18, 2025	Leq	L90	Nov 18, 2025	Leq	L90	Nov 18, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
10:00 AM - 10:05 AM	64.6	58.7	12:40 PM - 12:45 PM	44.1	42.4	03:20 PM - 03:25 PM	47.3	46.0
10:05 AM - 10:10 AM	63.8	58.5	12:45 PM - 12:50 PM	44.2	42.8	03:25 PM - 03:30 PM	46.6	47.0
10:10 AM - 10:15 AM	62.4	57.6	12:50 PM - 12:55 PM	43.7	42.3	03:30 PM - 03:35 PM	48.8	46.4
10:15 AM - 10:20 AM	61.2	56.6	12:55 PM - 01:00 PM	44.3	42.9	03:35 PM - 03:40 PM	48.5	46.5
10:20 AM - 10:25 AM	59.2	56.7	01:00 PM - 01:05 PM	46.6	43.0	03:40 PM - 03:45 PM	49.2	46.2
10:25 AM - 10:30 AM	60.9	56.3	01:05 PM - 01:10 PM	45.2	43.0	03:45 PM - 03:50 PM	50.4	46.5
10:30 AM - 10:35 AM	59.1	56.1	01:10 PM - 01:15 PM	44.3	42.8	03:50 PM - 03:55 PM	50.6	46.9
10:35 AM - 10:40 AM	58.9	50.4	01:15 PM - 01:20 PM	45.7	42.9	03:55 PM - 04:00 PM	49.2	46.2
10:40 AM - 10:45 AM	51.2	49.9	01:20 PM - 01:25 PM	45.0	43.2	04:00 PM - 04:05 PM	48.6	46.5
10:45 AM - 10:50 AM	54.7	50.3	01:25 PM - 01:30 PM	45.5	43.7	04:05 PM - 04:10 PM	49.2	46.7
10:50 AM - 10:55 AM	49.6	47.3	01:30 PM - 01:35 PM	52.8	44.7	04:10 PM - 04:15 PM	48.9	46.0
10:55 AM - 11:00 AM	48.4	46.5	01:35 PM - 01:40 PM	54.7	47.8	04:15 PM - 04:20 PM	48.9	47.0
11:00 AM - 11:05 AM	47.7	46.0	01:40 PM - 01:45 PM	58.9	56.2	04:20 PM - 04:25 PM	48.1	45.8
11:05 AM - 11:10 AM	47.9	46.0	01:45 PM - 01:50 PM	59.9	53.1	04:25 PM - 04:30 PM	48.9	45.5
11:10 AM - 11:15 AM	49.3	46.1	01:50 PM - 01:55 PM	53.5	51.1	04:30 PM - 04:35 PM	50.4	46.2
11:15 AM - 11:20 AM	50.4	46.9	01:55 PM - 02:00 PM	52.8	51.4	04:35 PM - 04:40 PM	49.8	45.4
11:20 AM - 11:25 AM	49.1	46.6	02:00 PM - 02:05 PM	55.0	51.2	04:40 PM - 04:45 PM	47.9	46.0
11:25 AM - 11:30 AM	50.2	46.7	02:05 PM - 02:10 PM	51.9	48.6	04:45 PM - 04:50 PM	48.4	46.1
11:30 AM - 11:35 AM	49.2	46.3	02:10 PM - 02:15 PM	51.1	47.5	04:50 PM - 04:55 PM	47.2	45.3
11:35 AM - 11:40 AM	49.4	45.6	02:15 PM - 02:20 PM	50.5	46.8	04:55 PM - 05:00 PM	46.6	45.0
11:40 AM - 11:45 AM	49.7	45.5	02:20 PM - 02:25 PM	50.3	47.0	05:00 PM - 05:05 PM	45.6	43.9
11:45 AM - 11:50 AM	49.3	44.9	02:25 PM - 02:30 PM	51.6	48.2	05:05 PM - 05:10 PM	45.9	44.6
11:50 AM - 11:55 AM	49.0	44.5	02:30 PM - 02:35 PM	50.8	47.7	05:10 PM - 05:15 PM	46.5	44.8
11:55 AM - 12:00 PM	48.3	44.9	02:35 PM - 02:40 PM	51.1	48.2	05:15 PM - 05:20 PM	46.3	45.1
12:00 PM - 12:05 PM	46.5	44.5	02:40 PM - 02:45 PM	50.9	47.6	05:20 PM - 05:25 PM	46.0	44.6
12:05 PM - 12:10 PM	45.3	43.9	02:45 PM - 02:50 PM	49.8	46.5	05:25 PM - 05:30 PM	46.2	44.7
12:10 PM - 12:15 PM	45.3	43.3	02:50 PM - 02:55 PM	49.7	46.9	05:30 PM - 05:35 PM	48.9	45.0
12:15 PM - 12:20 PM	45.3	43.2	02:55 PM - 03:00 PM	48.5	46.1	05:35 PM - 05:40 PM	45.7	44.4
12:20 PM - 12:25 PM	44.4	42.5	03:00 PM - 03:05 PM	49.9	47.1	05:40 PM - 05:45 PM	47.4	45.4
12:25 PM - 12:30 PM	43.5	42.5	03:05 PM - 03:10 PM	50.4	47.6	05:45 PM - 05:50 PM	47.3	45.6
12:30 PM - 12:35 PM	44.0	42.4	03:10 PM - 03:15 PM	51.3	48.1	05:50 PM - 05:55 PM	46.8	44.9
12:35 PM - 12:40 PM	43.3	42.3	03:15 PM - 03:20 PM	48.5	46.4	05:55 PM - 06:00 PM	48.8	45.3

The above results are valid only for the analysed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023

Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number : 2599077-24
Parameter : Noise Level (Leq 5 min)
Location : สถานีวิทยุ 5 ย่านมาเณงโก (ส.มาเณงโก) (N4) (GPS 47 0744782, 1428916)
Measurement Date : Nov 18 - Nov 19, 2025
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 531295

Page 2 of 3

Nov 18, 2025			Nov 18, 2025			Nov 18 - Nov 19, 2025		
Time	Leq	L90	Time	Leq	L90	Time	Leq	L90
	dB(A)	dB(A)		dB(A)	dB(A)		dB(A)	dB(A)
06:00 PM - 06:05 PM	46.8	45.2	08:40 PM - 08:45 PM	51.4	49.6	11:20 PM - 11:25 PM	51.6	50.3
06:05 PM - 06:10 PM	47.9	45.9	08:45 PM - 08:50 PM	52.1	49.9	11:25 PM - 11:30 PM	50.7	49.7
06:10 PM - 06:15 PM	48.8	47.5	08:50 PM - 08:55 PM	52.2	50.5	11:30 PM - 11:35 PM	51.2	50.1
06:15 PM - 06:20 PM	54.7	50.0	08:55 PM - 09:00 PM	52.7	50.8	11:35 PM - 11:40 PM	51.5	50.0
06:20 PM - 06:25 PM	57.0	55.4	09:00 PM - 09:05 PM	52.4	50.3	11:40 PM - 11:45 PM	52.0	50.4
06:25 PM - 06:30 PM	57.6	56.6	09:05 PM - 09:10 PM	52.3	50.2	11:45 PM - 11:50 PM	52.4	50.9
06:30 PM - 06:35 PM	57.5	56.0	09:10 PM - 09:15 PM	51.8	50.1	11:50 PM - 11:55 PM	52.3	50.8
06:35 PM - 06:40 PM	56.9	55.1	09:15 PM - 09:20 PM	51.7	50.4	11:55 PM - 12:00 AM	52.5	51.0
06:40 PM - 06:45 PM	56.5	55.1	09:20 PM - 09:25 PM	52.2	50.7	12:00 AM - 12:05 AM	53.5	52.0
06:45 PM - 06:50 PM	55.2	53.6	09:25 PM - 09:30 PM	52.7	50.9	12:05 AM - 12:10 AM	53.4	51.6
06:50 PM - 06:55 PM	53.7	51.5	09:30 PM - 09:35 PM	52.8	51.5	12:10 AM - 12:15 AM	54.1	52.1
06:55 PM - 07:00 PM	53.6	51.6	09:35 PM - 09:40 PM	53.2	51.6	12:15 AM - 12:20 AM	54.1	51.6
07:00 PM - 07:05 PM	54.5	52.8	09:40 PM - 09:45 PM	53.4	51.4	12:20 AM - 12:25 AM	53.8	51.4
07:05 PM - 07:10 PM	55.0	52.3	09:45 PM - 09:50 PM	52.9	51.2	12:25 AM - 12:30 AM	54.2	52.2
07:10 PM - 07:15 PM	58.0	52.7	09:50 PM - 09:55 PM	53.2	51.5	12:30 AM - 12:35 AM	53.5	51.8
07:15 PM - 07:20 PM	53.4	52.0	09:55 PM - 10:00 PM	52.8	51.1	12:35 AM - 12:40 AM	53.8	51.7
07:20 PM - 07:25 PM	53.4	51.5	10:00 PM - 10:05 PM	52.3	50.8	12:40 AM - 12:45 AM	52.3	50.6
07:25 PM - 07:30 PM	52.8	51.1	10:05 PM - 10:10 PM	52.8	51.2	12:45 AM - 12:50 AM	51.1	49.7
07:30 PM - 07:35 PM	53.0	50.7	10:10 PM - 10:15 PM	53.3	51.1	12:50 AM - 12:55 AM	51.4	49.1
07:35 PM - 07:40 PM	53.1	51.5	10:15 PM - 10:20 PM	51.7	50.3	12:55 AM - 01:00 AM	52.3	50.8
07:40 PM - 07:45 PM	53.2	51.6	10:20 PM - 10:25 PM	51.2	50.2	01:00 AM - 01:05 AM	52.9	51.0
07:45 PM - 07:50 PM	52.5	51.1	10:25 PM - 10:30 PM	51.5	50.1	01:05 AM - 01:10 AM	54.8	52.1
07:50 PM - 07:55 PM	51.7	50.2	10:30 PM - 10:35 PM	51.1	50.1	01:10 AM - 01:15 AM	52.3	50.7
07:55 PM - 08:00 PM	52.4	50.9	10:35 PM - 10:40 PM	51.4	51.1	01:15 AM - 01:20 AM	52.3	50.5
08:00 PM - 08:05 PM	52.2	50.6	10:40 PM - 10:45 PM	50.3	50.6	01:20 AM - 01:25 AM	52.2	50.2
08:05 PM - 08:10 PM	51.7	50.1	10:45 PM - 10:50 PM	51.5	49.8	01:25 AM - 01:30 AM	54.0	51.7
08:10 PM - 08:15 PM	52.2	50.4	10:50 PM - 10:55 PM	51.4	49.8	01:30 AM - 01:35 AM	54.5	50.1
08:15 PM - 08:20 PM	51.7	50.2	10:55 PM - 11:00 PM	51.8	50.1	01:35 AM - 01:40 AM	53.9	51.1
08:20 PM - 08:25 PM	51.9	50.5	11:00 PM - 11:05 PM	52.5	50.8	01:40 AM - 01:45 AM	50.2	46.9
08:25 PM - 08:30 PM	51.7	50.2	11:05 PM - 11:10 PM	52.5	50.5	01:45 AM - 01:50 AM	50.1	46.9
08:30 PM - 08:35 PM	51.6	50.1	11:10 PM - 11:15 PM	52.3	50.5	01:50 AM - 01:55 AM	51.1	48.3
08:35 PM - 08:40 PM	51.2	49.6	11:15 PM - 11:20 PM	52.5	50.7	01:55 AM - 02:00 AM	49.7	46.6



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599077
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3460146-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample Number 2599077-25
Parameter Noise Level (Leq 5 min)
Location ถนนสาย พย 5 ชำนาญกิจใหม่ (อ.แม่เหล็ก) (N4) (GPS 47° 07'44.782, 1428916)
Measurement Date Nov 19 - Nov 20, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531295

Nov 19, 2025			Nov 19, 2025			Nov 19, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
10:00 AM - 10:05 AM	56.7	54.2	12:40 PM - 12:45 PM	51.0	45.8	03:20 PM - 03:25 PM	60.1	53.0
10:05 AM - 10:10 AM	56.3	53.4	12:45 PM - 12:50 PM	49.8	46.1	03:25 PM - 03:30 PM	59.7	52.7
10:10 AM - 10:15 AM	55.3	52.7	12:50 PM - 12:55 PM	52.8	47.6	03:30 PM - 03:35 PM	59.2	56.2
10:15 AM - 10:20 AM	57.2	54.4	12:55 PM - 01:00 PM	56.9	49.4	03:35 PM - 03:40 PM	60.3	56.3
10:20 AM - 10:25 AM	56.4	54.1	01:00 PM - 01:05 PM	62.5	57.1	03:40 PM - 03:45 PM	60.2	56.2
10:25 AM - 10:30 AM	57.7	55.2	01:05 PM - 01:10 PM	61.4	58.8	03:45 PM - 03:50 PM	58.1	51.9
10:30 AM - 10:35 AM	57.2	54.5	01:10 PM - 01:15 PM	61.8	58.3	03:50 PM - 03:55 PM	58.0	51.8
10:35 AM - 10:40 AM	59.0	56.0	01:15 PM - 01:20 PM	60.5	54.2	03:55 PM - 04:00 PM	59.3	52.7
10:40 AM - 10:45 AM	58.3	55.9	01:20 PM - 01:25 PM	62.1	58.8	04:00 PM - 04:05 PM	54.8	50.2
10:45 AM - 10:50 AM	57.8	55.3	01:25 PM - 01:30 PM	60.2	58.2	04:05 PM - 04:10 PM	51.2	50.0
10:50 AM - 10:55 AM	59.6	57.1	01:30 PM - 01:35 PM	61.6	57.8	04:10 PM - 04:15 PM	51.3	50.1
10:55 AM - 11:00 AM	59.5	55.6	01:35 PM - 01:40 PM	59.8	53.7	04:15 PM - 04:20 PM	60.2	56.5
11:00 AM - 11:05 AM	59.9	57.2	01:40 PM - 01:45 PM	66.5	59.5	04:20 PM - 04:25 PM	60.6	57.0
11:05 AM - 11:10 AM	60.4	57.1	01:45 PM - 01:50 PM	60.6	54.1	04:25 PM - 04:30 PM	56.9	51.5
11:10 AM - 11:15 AM	62.5	58.6	01:50 PM - 01:55 PM	61.2	58.4	04:30 PM - 04:35 PM	58.0	50.0
11:15 AM - 11:20 AM	60.9	59.0	01:55 PM - 02:00 PM	61.5	58.2	04:35 PM - 04:40 PM	58.5	54.1
11:20 AM - 11:25 AM	61.0	58.9	02:00 PM - 02:05 PM	60.4	57.9	04:40 PM - 04:45 PM	59.0	54.8
11:25 AM - 11:30 AM	61.2	58.8	02:05 PM - 02:10 PM	60.6	58.1	04:45 PM - 04:50 PM	57.8	54.4
11:30 AM - 11:35 AM	63.4	59.5	02:10 PM - 02:15 PM	62.3	59.7	04:50 PM - 04:55 PM	58.1	53.1
11:35 AM - 11:40 AM	59.9	52.7	02:15 PM - 02:20 PM	63.0	60.3	04:55 PM - 05:00 PM	58.5	51.4
11:40 AM - 11:45 AM	61.0	58.1	02:20 PM - 02:25 PM	63.5	59.8	05:00 PM - 05:05 PM	49.0	48.2
11:45 AM - 11:50 AM	62.2	60.4	02:25 PM - 02:30 PM	64.8	59.9	05:05 PM - 05:10 PM	48.1	46.2
11:50 AM - 11:55 AM	62.4	59.6	02:30 PM - 02:35 PM	62.4	61.0	05:10 PM - 05:15 PM	47.6	45.7
11:55 AM - 12:00 PM	63.6	60.0	02:35 PM - 02:40 PM	62.7	55.1	05:15 PM - 05:20 PM	46.7	45.1
12:00 PM - 12:05 PM	61.6	58.1	02:40 PM - 02:45 PM	62.8	59.5	05:20 PM - 05:25 PM	47.6	45.3
12:05 PM - 12:10 PM	53.4	45.6	02:45 PM - 02:50 PM	64.2	60.8	05:25 PM - 05:30 PM	47.8	45.2
12:10 PM - 12:15 PM	49.4	45.5	02:50 PM - 02:55 PM	62.5	59.4	05:30 PM - 05:35 PM	47.6	45.4
12:15 PM - 12:20 PM	53.3	47.3	02:55 PM - 03:00 PM	61.2	58.6	05:35 PM - 05:40 PM	48.4	45.5
12:20 PM - 12:25 PM	51.5	44.8	03:00 PM - 03:05 PM	61.5	57.7	05:40 PM - 05:45 PM	49.0	47.1
12:25 PM - 12:30 PM	54.0	46.7	03:05 PM - 03:10 PM	62.0	58.3	05:45 PM - 05:50 PM	50.9	47.8
12:30 PM - 12:35 PM	52.5	46.9	03:10 PM - 03:15 PM	62.9	58.1	05:50 PM - 05:55 PM	49.8	47.3
12:35 PM - 12:40 PM	53.0	46.0	03:15 PM - 03:20 PM	62.5	57.9	05:55 PM - 06:00 PM	49.0	46.9

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Sarayuht Jitranont
Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599077
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3460146-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample Number 2599077-25
Parameter Noise Level (Leq 5 min)
Location ถนนสาย พย 5 ชำนาญกิจใหม่ (อ.แม่เหล็ก) (N4) (GPS 47° 07'44.782, 1428916)
Measurement Date Nov 19 - Nov 20, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531295

Nov 19, 2025			Nov 19, 2025			Nov 19, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
06:00 PM - 06:05 PM	50.1	47.9	08:40 PM - 08:45 PM	54.0	51.7	11:20 PM - 11:25 PM	51.9	50.0
06:05 PM - 06:10 PM	50.7	48.1	08:45 PM - 08:50 PM	53.6	51.4	11:25 PM - 11:30 PM	51.5	49.7
06:10 PM - 06:15 PM	52.7	49.9	08:50 PM - 08:55 PM	54.4	51.8	11:30 PM - 11:35 PM	51.2	49.7
06:15 PM - 06:20 PM	55.6	53.4	08:55 PM - 09:00 PM	54.8	52.0	11:35 PM - 11:40 PM	52.1	50.6
06:20 PM - 06:25 PM	56.3	54.5	09:00 PM - 09:05 PM	56.7	53.1	11:40 PM - 11:45 PM	53.0	50.2
06:25 PM - 06:30 PM	55.0	53.7	09:05 PM - 09:10 PM	55.3	53.0	11:45 PM - 11:50 PM	53.0	50.4
06:30 PM - 06:35 PM	54.9	53.7	09:10 PM - 09:15 PM	54.7	52.8	11:50 PM - 11:55 PM	52.5	50.7
06:35 PM - 06:40 PM	54.6	53.1	09:15 PM - 09:20 PM	55.3	52.6	11:55 PM - 12:00 AM	53.4	50.6
06:40 PM - 06:45 PM	54.4	52.8	09:20 PM - 09:25 PM	55.5	52.7	12:00 AM - 12:05 AM	52.7	49.9
06:45 PM - 06:50 PM	55.2	52.7	09:25 PM - 09:30 PM	54.9	52.5	12:05 AM - 12:10 AM	53.4	50.3
06:50 PM - 06:55 PM	54.2	52.2	09:30 PM - 09:35 PM	55.9	52.6	12:10 AM - 12:15 AM	51.6	49.9
06:55 PM - 07:00 PM	57.6	52.9	09:35 PM - 09:40 PM	56.6	52.8	12:15 AM - 12:20 AM	52.1	49.9
07:00 PM - 07:05 PM	57.5	53.1	09:40 PM - 09:45 PM	58.0	52.8	12:20 AM - 12:25 AM	51.5	49.9
07:05 PM - 07:10 PM	57.7	52.7	09:45 PM - 09:50 PM	57.3	51.6	12:25 AM - 12:30 AM	52.4	49.8
07:10 PM - 07:15 PM	57.8	53.7	09:50 PM - 09:55 PM	57.4	53.0	12:30 AM - 12:35 AM	51.4	49.4
07:15 PM - 07:20 PM	58.3	53.6	09:55 PM - 10:00 PM	55.4	51.6	12:35 AM - 12:40 AM	52.4	49.8
07:20 PM - 07:25 PM	55.3	52.2	10:00 PM - 10:05 PM	52.6	50.7	12:40 AM - 12:45 AM	51.3	49.7
07:25 PM - 07:30 PM	56.3	52.6	10:05 PM - 10:10 PM	52.0	50.6	12:45 AM - 12:50 AM	50.4	49.2
07:30 PM - 07:35 PM	53.9	52.1	10:10 PM - 10:15 PM	51.0	49.8	12:50 AM - 12:55 AM	50.2	48.9
07:35 PM - 07:40 PM	58.1	53.0	10:15 PM - 10:20 PM	51.5	50.0	12:55 AM - 01:00 AM	51.1	49.6
07:40 PM - 07:45 PM	59.6	52.6	10:20 PM - 10:25 PM	51.0	49.4	01:00 AM - 01:05 AM	51.1	49.6
07:45 PM - 07:50 PM	55.8	52.6	10:25 PM - 10:30 PM	51.1	49.5	01:05 AM - 01:10 AM	51.4	49.9
07:50 PM - 07:55 PM	54.8	52.1	10:30 PM - 10:35 PM	51.4	49.9	01:10 AM - 01:15 AM	50.8	49.5
07:55 PM - 08:00 PM	54.7	51.9	10:35 PM - 10:40 PM	50.9	49.3	01:15 AM - 01:20 AM	51.1	49.3
08:00 PM - 08:05 PM	55.4	52.6	10:40 PM - 10:45 PM	51.0	49.1	01:20 AM - 01:25 AM	51.6	49.0
08:05 PM - 08:10 PM	56.5	52.9	10:45 PM - 10:50 PM	51.0	49.4	01:25 AM - 01:30 AM	50.0	48.1
08:10 PM - 08:15 PM	56.0	53.4	10:50 PM - 10:55 PM	51.8	50.1	01:30 AM - 01:35 AM	51.5	48.6
08:15 PM - 08:20 PM	57.8	53.5	10:55 PM - 11:00 PM	52.1	50.4	01:35 AM - 01:40 AM	51.1	48.7
08:20 PM - 08:25 PM	56.8	53.9	11:00 PM - 11:05 PM	51.9	50.3	01:40 AM - 01:45 AM	49.9	48.6
08:25 PM - 08:30 PM	56.1	52.7	11:05 PM - 11:10 PM	52.6	51.0	01:45 AM - 01:50 AM	51.1	49.4
08:30 PM - 08:35 PM	57.5	52.6	11:10 PM - 11:15 PM	52.0	50.4	01:50 AM - 01:55 AM	50.7	49.1
08:35 PM - 08:40 PM	54.4	52.6	11:15 PM - 11:20 PM	51.8	50.1	01:55 AM - 02:00 AM	50.6	48.6

The above results are valid only for the analysed/tested sample(s) as indicated in the report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Sarayuht Jitranont
Assistant General Manager

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599077
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3460146-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample Number 2599077-25
Parameter Noise Level (Leq 5 min)
Location ถนนสาย พย 5 ชำนาญกิจใหม่ (อ.แม่เหล็ก) (N4) (GPS 47° 07'44.782, 1428916)
Measurement Date Nov 19 - Nov 20, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531295

Nov 20, 2025			Nov 20, 2025			Nov 20, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
02:00 AM - 02:05 AM	49.6	48.3	04:40 AM - 04:45 AM	49.4	47.2	07:20 AM - 07:25 AM	50.0	48.1
02:05 AM - 02:10 AM	50.0	48.5	04:45 AM - 04:50 AM	48.2	46.7	07:25 AM - 07:30 AM	49.8	47.4
02:10 AM - 02:15 AM	49.9	48.3	04:50 AM - 04:55 AM	48.8	47.3	07:30 AM - 07:35 AM	48.5	47.4
02:15 AM - 02:20 AM	50.6	48.6	04:55 AM - 05:00 AM	49.1	47.8	07:35 AM - 07:40 AM	50.4	48.2
02:20 AM - 02:25 AM	49.9	48.4	05:00 AM - 05:05 AM	49.1	47.4	07:40 AM - 07:45 AM	48.8	48.0
02:25 AM - 02:30 AM	51.6	49.4	05:05 AM - 05:10 AM	47.8	47.0	07:45 AM - 07:50 AM	49.9	47.9
02:30 AM - 02:35 AM	51.0	49.4	05:10 AM - 05:15 AM	47.8	47.0	07:50 AM - 07:55 AM	48.7	47.2
02:35 AM - 02:40 AM	52.8	50.2	05:15 AM - 05:20 AM	48.5	47.0	07:55 AM - 08:00 AM	50.5	47.7
02:40 AM - 02:45 AM	51.5	50.0	05:20 AM - 05:25 AM	48.1	47.3	08:00 AM - 08:05 AM	49.5	47.7
02:45 AM - 02:50 AM	53.4	49.9	05:25 AM - 05:30 AM	48.9	47.6	08:05 AM - 08:10 AM	53.2	48.5
02:50 AM - 02:55 AM	52.6	49.6	05:30 AM - 05:35 AM	49.6	47.4	08:10 AM - 08:15 AM	50.0	50.0
02:55 AM - 03:00 AM	52.0	48.9	05:35 AM - 05:40 AM	49.0	47.6	08:15 AM - 08:20 AM	60.3	56.0
03:00 AM - 03:05 AM	52.2	49.0	05:40 AM - 05:45 AM	49.9	47.3	08:20 AM - 08:25 AM	59.5	56.3
03:05 AM - 03:10 AM	52.3	49.9	05:45 AM - 05:50 AM	47.3	46.6	08:25 AM - 08:30 AM	58.3	54.7
03:10 AM - 03:15 AM	52.9	50.3	05:50 AM - 05:55 AM	48.0	46.7	08:30 AM - 08:35 AM	57.3	52.8
03:15 AM - 03:20 AM	52.2	49.8	05:55 AM - 06:00 AM	47.7	46.8	08:35 AM - 08:40 AM	59.5	55.9
03:20 AM - 03:25 AM	52.8	49.6	06:00 AM - 06:05 AM	48.5	47.0	08:40 AM - 08:45 AM	58.2	55.0
03:25 AM - 03:30 AM	51.7	48.9	06:05 AM - 06:10 AM	46.6	47.1	08:45 AM - 08:50 AM	57.8	54.7
03:30 AM - 03:35 AM	51.3	48.6	06:10 AM - 06:15 AM	48.9	47.4	08:50 AM - 08:55 AM	57.9	54.7
03:35 AM - 03:40 AM	51.6	48.7	06:15 AM - 06:20 AM	48.9	47.4	08:55 AM - 09:00 AM	58.2	54.9
03:40 AM - 03:45 AM	49.9	47.1	06:20 AM - 06:25 AM	48.5	47.0	09:00 AM - 09:05 AM	58.0	54.7
03:45 AM - 03:50 AM	47.9	46.7	06:25 AM - 06:30 AM	48.0	46.9	09:05 AM - 09:10 AM	57.4	53.4
03:50 AM - 03:55 AM	49.2	47.0	06:30 AM - 06:35 AM	47.9	46.4	09:10 AM - 09:15 AM	56.9	54.0
03:55 AM - 04:00 AM	49.0	47.0	06:35 AM - 06:40 AM	47.5	46.6	09:15 AM - 09:20 AM	56.1	53.1
04:00 AM - 04:05 AM	49.0	47.3	06:40 AM - 06:45 AM	47.5	46.5	09:20 AM - 09:25 AM	56.2	53.2
04:05 AM - 04:10 AM	49.5	47.4	06:45 AM - 06:50 AM	47.5	46.7	09:25 AM - 09:30 AM	56.2	53.1
04:10 AM - 04:15 AM	50.6	47.4	06:50 AM - 06:55 AM	49.1	46.9	09:30 AM - 09:35 AM	55.7	53.1
04:15 AM - 04:20 AM	48.8	46.6	06:55 AM - 07:00 AM	48.4	46.4	09:35 AM - 09:40 AM	56.2	53.5
04:20 AM - 04:25 AM	48.1	46.6	07:00 AM - 07:05 AM	48.3	46.6	09:40 AM - 09:45 AM	57.0	53.3
04:25 AM - 04:30 AM	48.7	47.1	07:05 AM - 07:10 AM	48.2	46.5	09:45 AM - 09:50 AM	56.7	54.2
04:30 AM - 04:35 AM	48.7	47.1	07:10 AM - 07:15 AM	49.0	47.1	09:50 AM - 09:55 AM	55.1	53.1
04:35 AM - 04:40 AM	48.4	46.9	07:15 AM - 07:20 AM	49.5	47.2	09:55 AM - 10:00 AM	56.1	52.9



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599077
Date Received : Nov 24, 2025
Date Reported : Nov 29, 2025
Report Number : 3460148-1

Page 3 of 3

Sample Number		2599077-27		2599077-28				
Parameter		Noise Level (Leq 5 min)		Noise Level (Leq 5 min)				
Location		สถานีวิทยุ 5 ธันวาคม (สถานีวิทยุ) (M4) (GPS 47 0744782, 1428916)		สถานีวิทยุ 5 ธันวาคม (สถานีวิทยุ) (M4) (GPS 47 0744782, 1428916)				
Measurement Date		Nov 22 - Nov 23, 2025		Nov 22 - Nov 23, 2025				
Measurement by		Apichart Wilars		Apichart Wilars				
Sound Level Meter		Serial No. 531295		Serial No. 531295				
Nov 22, 2025		Leq	L90	Nov 22, 2025		Leq	L90	
Time	dB(A)	dB(A)	Time	Time	dB(A)	dB(A)	Time	
02:00 AM - 02:05 AM	46.3	45.2	04:40 AM - 04:45 AM	48.0	46.6	07:20 AM - 07:25 AM	48.4	46.5
02:05 AM - 02:10 AM	46.0	45.2	04:45 AM - 04:50 AM	47.4	46.7	07:25 AM - 07:30 AM	47.9	45.8
02:10 AM - 02:15 AM	46.8	45.5	04:50 AM - 04:55 AM	47.0	46.3	07:30 AM - 07:35 AM	48.5	46.4
02:15 AM - 02:20 AM	47.5	46.2	04:55 AM - 05:00 AM	47.1	46.5	07:35 AM - 07:40 AM	48.8	47.1
02:20 AM - 02:25 AM	48.2	46.2	05:00 AM - 05:05 AM	47.3	46.3	07:40 AM - 07:45 AM	49.4	46.9
02:25 AM - 02:30 AM	48.5	46.6	05:05 AM - 05:10 AM	47.0	46.2	07:45 AM - 07:50 AM	48.0	45.5
02:30 AM - 02:35 AM	47.4	46.1	05:10 AM - 05:15 AM	48.2	46.7	07:50 AM - 07:55 AM	48.4	46.2
02:35 AM - 02:40 AM	47.1	46.0	05:15 AM - 05:20 AM	49.8	47.5	07:55 AM - 08:00 AM	48.5	46.8
02:40 AM - 02:45 AM	46.9	45.8	05:20 AM - 05:25 AM	49.4	47.6	08:00 AM - 08:05 AM	57.3	49.6
02:45 AM - 02:50 AM	47.5	45.9	05:25 AM - 05:30 AM	50.4	48.3	08:05 AM - 08:10 AM	58.2	53.5
02:50 AM - 02:55 AM	47.7	46.4	05:30 AM - 05:35 AM	50.5	48.5	08:10 AM - 08:15 AM	57.6	54.5
02:55 AM - 03:00 AM	47.7	46.4	05:35 AM - 05:40 AM	48.4	47.4	08:15 AM - 08:20 AM	55.0	49.1
03:00 AM - 03:05 AM	47.3	46.2	05:40 AM - 05:45 AM	48.1	47.3	08:20 AM - 08:25 AM	55.7	52.5
03:05 AM - 03:10 AM	47.8	46.3	05:45 AM - 05:50 AM	48.5	47.1	08:25 AM - 08:30 AM	57.1	54.2
03:10 AM - 03:15 AM	46.7	46.0	05:50 AM - 05:55 AM	48.8	47.1	08:30 AM - 08:35 AM	56.6	53.9
03:15 AM - 03:20 AM	48.3	46.5	05:55 AM - 06:00 AM	50.0	47.7	08:35 AM - 08:40 AM	56.6	54.7
03:20 AM - 03:25 AM	48.2	46.6	06:00 AM - 06:05 AM	50.3	48.2	08:40 AM - 08:45 AM	57.8	54.8
03:25 AM - 03:30 AM	48.9	46.9	06:05 AM - 06:10 AM	49.5	48.3	08:45 AM - 08:50 AM	57.1	55.2
03:30 AM - 03:35 AM	47.8	46.7	06:10 AM - 06:15 AM	48.8	47.8	08:50 AM - 08:55 AM	57.7	54.8
03:35 AM - 03:40 AM	47.6	46.5	06:15 AM - 06:20 AM	48.6	47.7	08:55 AM - 09:00 AM	58.6	53.5
03:40 AM - 03:45 AM	47.4	46.3	06:20 AM - 06:25 AM	48.1	47.2	09:00 AM - 09:05 AM	56.6	50.6
03:45 AM - 03:50 AM	48.0	46.9	06:25 AM - 06:30 AM	48.9	47.7	09:05 AM - 09:10 AM	56.3	52.0
03:50 AM - 03:55 AM	48.4	46.9	06:30 AM - 06:35 AM	48.8	47.5	09:10 AM - 09:15 AM	57.5	52.5
03:55 AM - 04:00 AM	47.6	46.4	06:35 AM - 06:40 AM	49.0	47.4	09:15 AM - 09:20 AM	55.8	52.5
04:00 AM - 04:05 AM	48.4	46.3	06:40 AM - 06:45 AM	48.3	47.2	09:20 AM - 09:25 AM	57.2	54.0
04:05 AM - 04:10 AM	47.8	46.3	06:45 AM - 06:50 AM	48.0	46.7	09:25 AM - 09:30 AM	59.2	56.4
04:10 AM - 04:15 AM	47.1	46.0	06:50 AM - 06:55 AM	47.8	46.5	09:30 AM - 09:35 AM	58.6	56.7
04:15 AM - 04:20 AM	46.7	45.9	06:55 AM - 07:00 AM	47.8	46.3	09:35 AM - 09:40 AM	59.6	56.5
04:20 AM - 04:25 AM	47.2	46.1	07:00 AM - 07:05 AM	48.9	46.4	09:40 AM - 09:45 AM	58.4	56.1
04:25 AM - 04:30 AM	47.1	46.1	07:05 AM - 07:10 AM	48.2	46.2	09:45 AM - 09:50 AM	59.6	56.8
04:30 AM - 04:35 AM	46.9	46.0	07:10 AM - 07:15 AM	47.7	45.8	09:50 AM - 09:55 AM	61.1	57.9
04:35 AM - 04:40 AM	47.4	46.3	07:15 AM - 07:20 AM	47.4	45.9	09:55 AM - 10:00 AM	59.9	57.1

The above results are valid only for the analysed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that the report is not reproduced except in full.

Approved by

Sarayuht Jitranont
Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599077
Date Received : Nov 24, 2025
Date Reported : Nov 29, 2025
Report Number : 3460149-1

Page 3 of 3

Sample Number		2599077-28						
Parameter		Noise Level (Leq 5 min)						
Location		หน้าบ้าน หมู่ 5 ตำบลนาโพธิ์ (บ้านนาโพธิ์) (NW) (GPS 47 047482, 1428916)						
Measurement Date		Nov 22 - Nov 23, 2025						
Measurement by		Apichart Wilars						
Sound Level Meter		Serial No. 531295						
Nov 22, 2025	Leq	L90	Nov 22, 2025	Leq	L90	Nov 22, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
10:00 AM - 10:05 AM	60.3	57.7	12:40 PM - 12:45 PM	45.0	42.9	03:20 PM - 03:25 PM	58.3	53.6
10:05 AM - 10:10 AM	60.0	58.0	12:45 PM - 12:50 PM	46.3	43.2	03:25 PM - 03:30 PM	59.7	54.7
10:10 AM - 10:15 AM	60.4	56.6	12:50 PM - 12:55 PM	50.1	47.1	03:30 PM - 03:35 PM	58.1	55.1
10:15 AM - 10:20 AM	62.3	59.6	12:55 PM - 01:00 PM	55.6	49.9	03:35 PM - 03:40 PM	57.0	53.9
10:20 AM - 10:25 AM	61.1	58.9	01:00 PM - 01:05 PM	58.9	55.2	03:40 PM - 03:45 PM	56.2	53.2
10:25 AM - 10:30 AM	61.3	57.6	01:05 PM - 01:10 PM	60.8	56.0	03:45 PM - 03:50 PM	56.4	51.5
10:30 AM - 10:35 AM	61.6	59.1	01:10 PM - 01:15 PM	58.0	55.0	03:50 PM - 03:55 PM	57.5	52.7
10:35 AM - 10:40 AM	60.4	58.4	01:15 PM - 01:20 PM	58.5	55.2	03:55 PM - 04:00 PM	56.1	52.5
10:40 AM - 10:45 AM	60.4	58.2	01:20 PM - 01:25 PM	58.7	56.6	04:00 PM - 04:05 PM	58.2	54.4
10:45 AM - 10:50 AM	61.2	58.6	01:25 PM - 01:30 PM	58.4	56.4	04:05 PM - 04:10 PM	58.3	55.6
10:50 AM - 10:55 AM	62.2	58.1	01:30 PM - 01:35 PM	58.1	55.8	04:10 PM - 04:15 PM	58.9	55.6
10:55 AM - 11:00 AM	62.3	58.1	01:35 PM - 01:40 PM	58.5	55.7	04:15 PM - 04:20 PM	58.5	55.4
11:00 AM - 11:05 AM	57.7	54.0	01:40 PM - 01:45 PM	57.4	54.6	04:20 PM - 04:25 PM	60.4	55.7
11:05 AM - 11:10 AM	57.0	52.6	01:45 PM - 01:50 PM	56.8	54.8	04:25 PM - 04:30 PM	60.1	54.6
11:10 AM - 11:15 AM	61.2	59.1	01:50 PM - 01:55 PM	59.4	54.4	04:30 PM - 04:35 PM	57.4	55.2
11:15 AM - 11:20 AM	61.3	58.9	01:55 PM - 02:00 PM	56.3	54.0	04:35 PM - 04:40 PM	58.0	55.4
11:20 AM - 11:25 AM	61.0	57.7	02:00 PM - 02:05 PM	57.2	54.4	04:40 PM - 04:45 PM	58.0	55.6
11:25 AM - 11:30 AM	60.4	57.6	02:05 PM - 02:10 PM	58.0	55.1	04:45 PM - 04:50 PM	58.7	55.9
11:30 AM - 11:35 AM	60.6	55.6	02:10 PM - 02:15 PM	58.1	55.4	04:50 PM - 04:55 PM	59.7	53.4
11:35 AM - 11:40 AM	59.2	56.2	02:15 PM - 02:20 PM	58.7	56.0	04:55 PM - 05:00 PM	58.4	50.2
11:40 AM - 11:45 AM	59.0	56.4	02:20 PM - 02:25 PM	57.7	55.5	05:00 PM - 05:05 PM	47.3	45.2
11:45 AM - 11:50 AM	58.7	56.3	02:25 PM - 02:30 PM	58.8	56.2	05:05 PM - 05:10 PM	46.3	44.4
11:50 AM - 11:55 AM	59.0	57.0	02:30 PM - 02:35 PM	57.8	55.1	05:10 PM - 05:15 PM	47.5	45.6
11:55 AM - 12:00 PM	59.4	57.2	02:35 PM - 02:40 PM	59.1	55.6	05:15 PM - 05:20 PM	46.7	45.1
12:00 PM - 12:05 PM	57.0	53.2	02:40 PM - 02:45 PM	57.8	55.4	05:20 PM - 05:25 PM	46.3	44.6
12:05 PM - 12:10 PM	56.5	48.3	02:45 PM - 02:50 PM	58.3	53.8	05:25 PM - 05:30 PM	46.7	44.8
12:10 PM - 12:15 PM	51.9	48.4	02:50 PM - 02:55 PM	58.3	53.9	05:30 PM - 05:35 PM	46.3	44.6
12:15 PM - 12:20 PM	53.3	45.5	02:55 PM - 03:00 PM	62.6	55.4	05:35 PM - 05:40 PM	46.8	45.4
12:20 PM - 12:25 PM	45.8	43.8	03:00 PM - 03:05 PM	60.3	56.9	05:40 PM - 05:45 PM	47.5	45.6
12:25 PM - 12:30 PM	46.5	42.9	03:05 PM - 03:10 PM	60.0	56.0	05:45 PM - 05:50 PM	47.6	45.9
12:30 PM - 12:35 PM	45.1	43.4	03:10 PM - 03:15 PM	57.7	55.0	05:50 PM - 05:55 PM	46.8	45.5
12:35 PM - 12:40 PM	45.2	43.1	03:15 PM - 03:20 PM	57.4	53.6	05:55 PM - 06:00 PM	45.8	44.6

The above results are valid only for the analysed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that the report is not reproduced except in full.

Approved by

Sarayuht Jitranont
Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599077
Date Received : Nov 24, 2025
Date Reported : Nov 29, 2025
Report Number : 3460149-1

Page 2 of 3

Sample Number		2599077-28		2599077-29				
Parameter		Noise Level (Leq 5 min)		Noise Level (Leq 5 min)				
Location		ถนนพหลโยธิน 5 กิโลเมตรจากจุด (ก.ส.ส.ส.) (M) (GPS 47 074782, 1428916)		ถนนพหลโยธิน 5 กิโลเมตรจากจุด (ก.ส.ส.ส.) (M) (GPS 47 074782, 1428916)				
Measurement Date		Nov 22 - Nov 23, 2025		Nov 22 - Nov 23, 2025				
Measurement by		Apichart Wilars		Apichart Wilars				
Sound Level Meter		Serial No. 531295		Serial No. 531295				
Nov 22, 2025	Leq	L90	Nov 22, 2025	Leq	L90	Nov 22 - Nov 23, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
05:00 PM - 05:05 PM	46.6	45.4	08:40 PM - 08:45 PM	51.3	49.7	11:20 PM - 11:25 PM	50.2	48.0
05:05 PM - 05:10 PM	47.3	46.0	08:45 PM - 08:50 PM	52.0	50.2	11:25 PM - 11:30 PM	51.3	48.5
05:10 PM - 05:15 PM	48.6	46.9	08:50 PM - 08:55 PM	51.2	49.7	11:30 PM - 11:35 PM	49.3	47.3
05:15 PM - 05:20 PM	52.1	49.8	08:55 PM - 09:00 PM	51.0	49.4	11:35 PM - 11:40 PM	49.2	47.4
05:20 PM - 05:25 PM	55.5	54.3	09:00 PM - 09:05 PM	50.6	48.9	11:40 PM - 11:45 PM	49.7	47.8
05:25 PM - 05:30 PM	55.6	53.7	09:05 PM - 09:10 PM	51.2	49.3	11:45 PM - 11:50 PM	49.6	47.7
05:30 PM - 05:35 PM	57.3	56.5	09:10 PM - 09:15 PM	51.8	50.5	11:50 PM - 11:55 PM	49.5	47.7
05:35 PM - 05:40 PM	55.4	54.0	09:15 PM - 09:20 PM	51.0	49.4	11:55 PM - 12:00 AM	49.5	47.5
05:40 PM - 05:45 PM	55.5	54.4	09:20 PM - 09:25 PM	50.5	48.9	12:00 AM - 12:05 AM	49.2	47.1
05:45 PM - 05:50 PM	55.2	54.3	09:25 PM - 09:30 PM	49.7	48.0	12:05 AM - 12:10 AM	48.8	46.9
05:50 PM - 05:55 PM	54.3	52.9	09:30 PM - 09:35 PM	49.0	47.4	12:10 AM - 12:15 AM	49.5	47.3
05:55 PM - 07:00 PM	54.7	52.7	09:35 PM - 09:40 PM	49.6	47.8	12:15 AM - 12:20 AM	49.6	47.4
07:00 PM - 07:05 PM	53.9	52.9	09:40 PM - 09:45 PM	49.5	47.8	12:20 AM - 12:25 AM	49.6	47.2
07:05 PM - 07:10 PM	53.3	51.9	09:45 PM - 09:50 PM	49.0	47.7	12:25 AM - 12:30 AM	50.0	47.9
07:10 PM - 07:15 PM	52.3	50.9	09:50 PM - 09:55 PM	49.2	47.9	12:30 AM - 12:35 AM	49.6	47.5
07:15 PM - 07:20 PM	52.6	51.2	09:55 PM - 10:00 PM	49.5	48.1	12:35 AM - 12:40 AM	50.5	48.8
07:20 PM - 07:25 PM	52.5	50.8	10:00 PM - 10:05 PM	50.4	48.3	12:40 AM - 12:45 AM	50.1	48.5
07:25 PM - 07:30 PM	52.2	50.8	10:05 PM - 10:10 PM	50.3	48.3	12:45 AM - 12:50 AM	49.8	48.3
07:30 PM - 07:35 PM	52.0	50.5	10:10 PM - 10:15 PM	50.2	48.5	12:50 AM - 12:55 AM	49.5	47.5
07:35 PM - 07:40 PM	52.3	50.7	10:15 PM - 10:20 PM	50.6	48.8	12:55 AM - 01:00 AM	49.5	47.4
07:40 PM - 07:45 PM	52.0	50.6	10:20 PM - 10:25 PM	50.1	48.8	01:00 AM - 01:05 AM	49.8	47.4
07:45 PM - 07:50 PM	51.3	49.8	10:25 PM - 10:30 PM	50.1	48.5	01:05 AM - 01:10 AM	48.5	46.2
07:50 PM - 07:55 PM	50.9	49.4	10:30 PM - 10:35 PM	50.0	48.0	01:10 AM - 01:15 AM	47.3	45.8
07:55 PM - 08:00 PM	51.1	50.0	10:35 PM - 10:40 PM	49.7	47.9	01:15 AM - 01:20 AM	48.0	46.3
08:00 PM - 08:05 PM	50.9	49.6	10:40 PM - 10:45 PM	49.4	47.8	01:20 AM - 01:25 AM	48.6	47.0
08:05 PM - 08:10 PM	51.3	49.5	10:45 PM - 10:50 PM	49.4	47.8	01:25 AM - 01:30 AM	48.7	46.3
08:10 PM - 08:15 PM	51.0	49.7	10:50 PM - 10:55 PM	49.2	47.6	01:30 AM - 01:35 AM	47.4	46.4
08:15 PM - 08:20 PM	50.7	49.3	10:55 PM - 11:00 PM	49.3	47.5	01:35 AM - 01:40 AM	47.3	45.9
08:20 PM - 08:25 PM	50.0	48.6	11:00 PM - 11:05 PM	49.1	47.3	01:40 AM - 01:45 AM	47.3	44.9
08:25 PM - 08:30 PM	50.2	48.8	11:05 PM - 11:10 PM	49.6	47.5	01:45 AM - 01:50 AM	48.0	45.9
08:30 PM - 08:35 PM	50.6	49.1	11:10 PM - 11:15 PM	49.4	47.6	01:50 AM - 01:55 AM	51.5	49.0
08:35 PM - 08:40 PM	51.1	49.2	11:15 PM - 11:20 PM	49.5	47.5	01:55 AM - 02:00 AM	50.1	47.9



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599077
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3460150-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample Number 2599077-29
Parameter Noise Level (Leq 5 min)
Location ถนนพหลโยธิน 1 กิโลเมตร (ก.ม.๑) (N5) (GPS 47P 0744517, 1427788)
Measurement Date Nov 16 - Nov 17, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531308

Nov 16, 2025			Nov 16, 2025			Nov 16, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
10:00 AM - 10:05 AM	44.8	43.0	12:40 PM - 12:45 PM	43.0	39.1	03:20 PM - 03:25 PM	40.9	39.6
10:05 AM - 10:10 AM	44.7	43.4	12:45 PM - 12:50 PM	42.3	40.0	03:25 PM - 03:30 PM	42.4	40.8
10:10 AM - 10:15 AM	46.1	44.1	12:50 PM - 12:55 PM	44.0	40.4	03:30 PM - 03:35 PM	42.9	40.7
10:15 AM - 10:20 AM	46.1	44.1	12:55 PM - 01:00 PM	41.3	38.9	03:35 PM - 03:40 PM	42.7	41.2
10:20 AM - 10:25 AM	46.7	44.4	01:00 PM - 01:05 PM	43.1	39.3	03:40 PM - 03:45 PM	45.4	40.1
10:25 AM - 10:30 AM	48.1	45.3	01:05 PM - 01:10 PM	42.8	41.1	03:45 PM - 03:50 PM	44.3	41.4
10:30 AM - 10:35 AM	48.1	45.9	01:10 PM - 01:15 PM	42.1	39.1	03:50 PM - 03:55 PM	44.9	41.8
10:35 AM - 10:40 AM	46.3	42.9	01:15 PM - 01:20 PM	43.6	40.1	03:55 PM - 04:00 PM	45.5	42.3
10:40 AM - 10:45 AM	49.1	42.8	01:20 PM - 01:25 PM	43.7	40.8	04:00 PM - 04:05 PM	45.4	42.3
10:45 AM - 10:50 AM	50.2	43.0	01:25 PM - 01:30 PM	43.7	40.3	04:05 PM - 04:10 PM	43.4	40.7
10:50 AM - 10:55 AM	46.5	42.9	01:30 PM - 01:35 PM	41.9	39.4	04:10 PM - 04:15 PM	45.3	41.0
10:55 AM - 11:00 AM	43.4	41.6	01:35 PM - 01:40 PM	41.7	38.5	04:15 PM - 04:20 PM	45.2	41.5
11:00 AM - 11:05 AM	43.9	40.3	01:40 PM - 01:45 PM	40.7	38.1	04:20 PM - 04:25 PM	44.6	41.0
11:05 AM - 11:10 AM	43.1	41.1	01:45 PM - 01:50 PM	40.4	38.1	04:25 PM - 04:30 PM	42.7	40.6
11:10 AM - 11:15 AM	44.4	41.2	01:50 PM - 01:55 PM	41.2	38.8	04:30 PM - 04:35 PM	43.4	41.1
11:15 AM - 11:20 AM	55.2	41.4	01:55 PM - 02:00 PM	40.0	38.2	04:35 PM - 04:40 PM	43.1	40.6
11:20 AM - 11:25 AM	43.1	40.2	02:00 PM - 02:05 PM	40.7	38.8	04:40 PM - 04:45 PM	45.0	42.5
11:25 AM - 11:30 AM	42.0	39.0	02:05 PM - 02:10 PM	41.6	38.7	04:45 PM - 04:50 PM	44.7	41.5
11:30 AM - 11:35 AM	43.0	38.6	02:10 PM - 02:15 PM	44.8	39.5	04:50 PM - 04:55 PM	49.3	40.6
11:35 AM - 11:40 AM	42.7	39.9	02:15 PM - 02:20 PM	40.7	38.0	04:55 PM - 05:00 PM	50.0	41.2
11:40 AM - 11:45 AM	43.2	39.2	02:20 PM - 02:25 PM	41.5	39.2	05:00 PM - 05:05 PM	44.9	41.3
11:45 AM - 11:50 AM	41.9	39.4	02:25 PM - 02:30 PM	40.8	38.8	05:05 PM - 05:10 PM	46.0	42.5
11:50 AM - 11:55 AM	41.2	39.0	02:30 PM - 02:35 PM	43.1	38.9	05:10 PM - 05:15 PM	46.3	42.1
11:55 AM - 12:00 PM	42.7	40.4	02:35 PM - 02:40 PM	41.0	39.1	05:15 PM - 05:20 PM	47.0	43.1
12:00 PM - 12:05 PM	41.4	38.8	02:40 PM - 02:45 PM	40.3	37.6	05:20 PM - 05:25 PM	48.0	42.7
12:05 PM - 12:10 PM	41.9	39.3	02:45 PM - 02:50 PM	41.2	38.7	05:25 PM - 05:30 PM	45.1	41.5
12:10 PM - 12:15 PM	41.9	39.0	02:50 PM - 02:55 PM	41.3	38.8	05:30 PM - 05:35 PM	43.6	41.1
12:15 PM - 12:20 PM	40.1	38.6	02:55 PM - 03:00 PM	41.9	39.8	05:35 PM - 05:40 PM	44.5	40.1
12:20 PM - 12:25 PM	40.8	38.2	03:00 PM - 03:05 PM	42.6	40.1	05:40 PM - 05:45 PM	44.8	41.4
12:25 PM - 12:30 PM	43.0	40.2	03:05 PM - 03:10 PM	40.3	38.8	05:45 PM - 05:50 PM	46.7	42.5
12:30 PM - 12:35 PM	40.3	40.7	03:10 PM - 03:15 PM	40.8	38.6	05:50 PM - 05:55 PM	45.0	42.0
12:35 PM - 12:40 PM	43.2	40.3	03:15 PM - 03:20 PM	40.7	38.2	05:55 PM - 06:00 PM	45.3	41.5

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Sarayuht Jitranont
Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599077
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3460150-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample Number 2599077-29
Parameter Noise Level (Leq 5 min)
Location ถนนพหลโยธิน 1 กิโลเมตร (ก.ม.๑) (N5) (GPS 47P 0744517, 1427788)
Measurement Date Nov 16 - Nov 17, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531308

Nov 16, 2025			Nov 16, 2025			Nov 16 - Nov 17, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
06:00 PM - 06:05 PM	44.9	40.5	08:40 PM - 08:45 PM	46.5	44.3	11:20 PM - 11:25 PM	45.8	43.9
06:05 PM - 06:10 PM	44.4	41.3	08:45 PM - 08:50 PM	46.3	44.3	11:25 PM - 11:30 PM	45.5	43.2
06:10 PM - 06:15 PM	46.9	42.5	08:50 PM - 08:55 PM	46.3	44.4	11:30 PM - 11:35 PM	45.1	43.3
06:15 PM - 06:20 PM	50.2	46.8	08:55 PM - 09:00 PM	45.9	42.9	11:35 PM - 11:40 PM	43.5	42.7
06:20 PM - 06:25 PM	52.5	49.1	09:00 PM - 09:05 PM	44.8	41.4	11:40 PM - 11:45 PM	43.3	42.1
06:25 PM - 06:30 PM	51.9	50.1	09:05 PM - 09:10 PM	46.5	42.1	11:45 PM - 11:50 PM	44.3	42.5
06:30 PM - 06:35 PM	52.3	49.2	09:10 PM - 09:15 PM	45.3	42.6	11:50 PM - 11:55 PM	44.6	42.3
06:35 PM - 06:40 PM	52.4	49.3	09:15 PM - 09:20 PM	45.5	42.8	11:55 PM - 12:00 AM	43.5	41.7
06:40 PM - 06:45 PM	52.4	49.6	09:20 PM - 09:25 PM	45.1	43.2	12:00 AM - 12:05 AM	44.4	42.9
06:45 PM - 06:50 PM	51.7	49.0	09:25 PM - 09:30 PM	45.3	43.4	12:05 AM - 12:10 AM	44.1	42.7
06:50 PM - 06:55 PM	50.6	48.2	09:30 PM - 09:35 PM	43.6	41.6	12:10 AM - 12:15 AM	43.9	42.5
06:55 PM - 07:00 PM	52.4	49.4	09:35 PM - 09:40 PM	43.9	41.6	12:15 AM - 12:20 AM	44.1	42.7
07:00 PM - 07:05 PM	52.8	49.7	09:40 PM - 09:45 PM	45.9	42.0	12:20 AM - 12:25 AM	44.0	42.5
07:05 PM - 07:10 PM	48.8	46.8	09:45 PM - 09:50 PM	46.7	42.2	12:25 AM - 12:30 AM	43.8	42.2
07:10 PM - 07:15 PM	49.9	47.3	09:50 PM - 09:55 PM	47.4	43.1	12:30 AM - 12:35 AM	44.3	43.1
07:15 PM - 07:20 PM	49.6	46.7	09:55 PM - 10:00 PM	46.3	43.2	12:35 AM - 12:40 AM	44.6	43.0
07:20 PM - 07:25 PM	49.7	46.4	10:00 PM - 10:05 PM	47.0	43.7	12:40 AM - 12:45 AM	44.1	42.7
07:25 PM - 07:30 PM	49.5	46.4	10:05 PM - 10:10 PM	48.1	44.5	12:45 AM - 12:50 AM	43.9	42.7
07:30 PM - 07:35 PM	49.3	46.4	10:10 PM - 10:15 PM	46.0	40.6	12:50 AM - 12:55 AM	44.3	42.6
07:35 PM - 07:40 PM	49.5	46.8	10:15 PM - 10:20 PM	46.6	41.5	12:55 AM - 01:00 AM	44.9	42.8
07:40 PM - 07:45 PM	48.7	45.9	10:20 PM - 10:25 PM	47.0	42.2	01:00 AM - 01:05 AM	44.2	42.5
07:45 PM - 07:50 PM	47.7	44.4	10:25 PM - 10:30 PM	45.8	41.9	01:05 AM - 01:10 AM	44.0	42.4
07:50 PM - 07:55 PM	47.4	44.6	10:30 PM - 10:35 PM	46.1	42.1	01:10 AM - 01:15 AM	43.5	42.2
07:55 PM - 08:00 PM	47.8	44.5	10:35 PM - 10:40 PM	45.3	42.3	01:15 AM - 01:20 AM	43.3	41.8
08:00 PM - 08:05 PM	47.8	44.9	10:40 PM - 10:45 PM	44.8	42.7	01:20 AM - 01:25 AM	42.9	41.6
08:05 PM - 08:10 PM	47.7	45.2	10:45 PM - 10:50 PM	46.1	44.1	01:25 AM - 01:30 AM	43.1	41.6
08:10 PM - 08:15 PM	48.3	45.1	10:50 PM - 10:55 PM	45.1	43.9	01:30 AM - 01:35 AM	42.8	41.3
08:15 PM - 08:20 PM	48.7	45.9	10:55 PM - 11:00 PM	44.1	43.2	01:35 AM - 01:40 AM	42.7	42.3
08:20 PM - 08:25 PM	48.4	45.2	11:00 PM - 11:05 PM	45.4	43.8	01:40 AM - 01:45 AM	44.0	42.5
08:25 PM - 08:30 PM	48.8	46.0	11:05 PM - 11:10 PM	46.7	45.1	01:45 AM - 01:50 AM	43.7	42.3
08:30 PM - 08:35 PM	48.8	46.1	11:10 PM - 11:15 PM	47.2	45.4	01:50 AM - 01:55 AM	43.4	42.1
08:35 PM - 08:40 PM	46.3	44.2	11:15 PM - 11:20 PM	46.3	44.3	01:55 AM - 02:00 AM	43.1	42.2

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599077
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3460150-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample Number 2599077-29
Parameter Noise Level (Leq 5 min)
Location ถนนพหลโยธิน 1 กิโลเมตร (ก.ม.๑) (N5) (GPS 47P 0744517, 1427788)
Measurement Date Nov 16 - Nov 17, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531308

Nov 17, 2025			Nov 17, 2025			Nov 17, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
02:00 AM - 02:05 AM	42.7	41.9	04:40 AM - 04:45 AM	43.9	40.9	07:20 AM - 07:25 AM	44.0	41.9
02:05 AM - 02:10 AM	43.3	41.4	04:45 AM - 04:50 AM	43.3	40.9	07:25 AM - 07:30 AM	44.6	42.1
02:10 AM - 02:15 AM	42.3	40.9	04:50 AM - 04:55 AM	43.0	40.9	07:30 AM - 07:35 AM	43.1	41.0
02:15 AM - 02:20 AM	43.3	41.7	04:55 AM - 05:00 AM	42.5	41.1	07:35 AM - 07:40 AM	42.9	40.8
02:20 AM - 02:25 AM	45.5	42.0	05:00 AM - 05:05 AM	43.7	41.7	07:40 AM - 07:45 AM	43.0	41.0
02:25 AM - 02:30 AM	43.1	41.8	05:05 AM - 05:10 AM	44.1	42.8	07:45 AM - 07:50 AM	44.7	41.8
02:30 AM - 02:35 AM	42.9	41.7	05:10 AM - 05:15 AM	44.4	42.7	07:50 AM - 07:55 AM	44.8	41.8
02:35 AM - 02:40 AM	42.3	41.2	05:15 AM - 05:20 AM	44.3	42.6	07:55 AM - 08:00 AM	44.0	41.7
02:40 AM - 02:45 AM	42.3	40.7	05:20 AM - 05:25 AM	44.6	42.7	08:00 AM - 08:05 AM	43.7	41.4
02:45 AM - 02:50 AM	42.7	41.1	05:25 AM - 05:30 AM	43.8	42.0	08:05 AM - 08:10 AM	50.0	42.3
02:50 AM - 02:55 AM	42.8	41.1	05:30 AM - 05:35 AM	44.7	42.3	08:10 AM - 08:15 AM	44.0	41.6
02:55 AM - 03:00 AM	43.0	40.8	05:35 AM - 05:40 AM	46.8	42.5	08:15 AM - 08:20 AM	44.4	42.9
03:00 AM - 03:05 AM	44.0	41.2	05:40 AM - 05:45 AM	44.3	42.3	08:20 AM - 08:25 AM	43.9	42.1
03:05 AM - 03:10 AM	43.3	40.6	05:45 AM - 05:50 AM	43.7	43.4	08:25 AM - 08:30 AM	43.6	41.9
03:10 AM - 03:15 AM	42.8	40.3	05:50 AM - 05:55 AM	52.5	44.8	08:30 AM - 08:35 AM	44.3	42.4
03:15 AM - 03:20 AM	42.8	40.5	05:55 AM - 06:00 AM	46.4	45.0	08:35 AM - 08:40 AM	43.7	42.1
03:20 AM - 03:25 AM	42.4	40.6	06:00 AM - 06:05 AM	45.4	43.1	08:40 AM - 08:45 AM	43.6	41.9
03:25 AM - 03:30 AM	42.7	40.6	06:05 AM - 06:10 AM	45.8	43.7	08:45 AM - 08:50 AM	43.5	42.0



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023

Project Name : Monitoring

Project Location : WHA ESIE 4

Lot ID: 2599077
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3460151-1

Page 2 of 3

Sample Number 2599077-30
Parameter Noise Level (Leq 5 min)
Location ถนนบ้าน หมู่ 1 ถนนพหลโยธิน (อ.เมือง) (N5) (GPS 47P 0744517, 1427788)
Measurement Date Nov 17 - Nov 18, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531308

Nov 17, 2025	Leq	L90	Nov 17, 2025	Leq	L90	Nov 17 - Nov 18, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
06:00 PM - 06:05 PM	46.4	43.3	08:40 PM - 08:45 PM	47.2	45.3	11:20 PM - 11:25 PM	46.0	45.2
06:05 PM - 06:10 PM	46.7	44.0	08:45 PM - 08:50 PM	47.4	45.7	11:25 PM - 11:30 PM	45.4	44.4
06:10 PM - 06:15 PM	47.3	45.1	08:50 PM - 08:55 PM	47.5	45.1	11:30 PM - 11:35 PM	44.8	43.5
06:15 PM - 06:20 PM	54.1	45.4	08:55 PM - 09:00 PM	46.7	44.6	11:35 PM - 11:40 PM	46.1	45.1
06:20 PM - 06:25 PM	49.7	47.6	09:00 PM - 09:05 PM	56.5	45.7	11:40 PM - 11:45 PM	46.0	44.6
06:25 PM - 06:30 PM	50.1	49.0	09:05 PM - 09:10 PM	53.2	45.2	11:45 PM - 11:50 PM	45.6	44.2
06:30 PM - 06:35 PM	49.2	48.7	09:10 PM - 09:15 PM	45.9	44.5	11:50 PM - 11:55 PM	46.0	43.0
06:35 PM - 06:40 PM	49.2	48.6	09:15 PM - 09:20 PM	60.8	45.0	11:55 PM - 12:00 AM	43.9	42.4
06:40 PM - 06:45 PM	49.8	49.1	09:20 PM - 09:25 PM	57.0	46.7	12:00 AM - 12:05 AM	44.4	42.8
06:45 PM - 06:50 PM	49.4	48.9	09:25 PM - 09:30 PM	48.5	47.5	12:05 AM - 12:10 AM	46.5	43.6
06:50 PM - 06:55 PM	49.3	48.7	09:30 PM - 09:35 PM	48.9	47.6	12:10 AM - 12:15 AM	44.6	43.1
06:55 PM - 07:00 PM	52.1	48.5	09:35 PM - 09:40 PM	47.5	45.2	12:15 AM - 12:20 AM	45.0	44.1
07:00 PM - 07:05 PM	49.7	47.7	09:40 PM - 09:45 PM	50.3	49.4	12:20 AM - 12:25 AM	45.1	43.9
07:05 PM - 07:10 PM	50.7	47.7	09:45 PM - 09:50 PM	49.9	45.7	12:25 AM - 12:30 AM	46.0	44.1
07:10 PM - 07:15 PM	48.4	47.5	09:50 PM - 09:55 PM	49.6	48.4	12:30 AM - 12:35 AM	45.7	44.5
07:15 PM - 07:20 PM	48.4	47.5	09:55 PM - 10:00 PM	49.5	44.9	12:35 AM - 12:40 AM	45.1	44.2
07:20 PM - 07:25 PM	49.4	47.6	10:00 PM - 10:05 PM	50.2	46.0	12:40 AM - 12:45 AM	45.3	43.9
07:25 PM - 07:30 PM	48.2	47.1	10:05 PM - 10:10 PM	45.9	43.8	12:45 AM - 12:50 AM	46.4	45.0
07:30 PM - 07:35 PM	49.0	47.7	10:10 PM - 10:15 PM	46.5	45.0	12:50 AM - 12:55 AM	45.8	44.0
07:35 PM - 07:40 PM	51.0	48.1	10:15 PM - 10:20 PM	46.6	45.3	12:55 AM - 01:00 AM	44.7	43.3
07:40 PM - 07:45 PM	51.7	47.8	10:20 PM - 10:25 PM	45.7	44.2	01:00 AM - 01:05 AM	44.3	42.5
07:45 PM - 07:50 PM	54.7	48.3	10:25 PM - 10:30 PM	46.2	45.1	01:05 AM - 01:10 AM	45.4	44.2
07:50 PM - 07:55 PM	49.4	48.3	10:30 PM - 10:35 PM	46.7	45.3	01:10 AM - 01:15 AM	45.5	44.0
07:55 PM - 08:00 PM	49.3	48.3	10:35 PM - 10:40 PM	47.3	45.7	01:15 AM - 01:20 AM	45.8	44.3
08:00 PM - 08:05 PM	50.0	48.4	10:40 PM - 10:45 PM	47.3	45.6	01:20 AM - 01:25 AM	45.5	43.9
08:05 PM - 08:10 PM	49.9	48.1	10:45 PM - 10:50 PM	45.5	43.9	01:25 AM - 01:30 AM	45.8	44.5
08:10 PM - 08:15 PM	48.4	47.5	10:50 PM - 10:55 PM	46.4	45.2	01:30 AM - 01:35 AM	46.9	45.5
08:15 PM - 08:20 PM	48.7	47.7	10:55 PM - 11:00 PM	46.1	44.4	01:35 AM - 01:40 AM	45.8	44.2
08:20 PM - 08:25 PM	49.0	48.0	11:00 PM - 11:05 PM	46.1	45.0	01:40 AM - 01:45 AM	45.6	44.2
08:25 PM - 08:30 PM	48.7	47.6	11:05 PM - 11:10 PM	46.3	44.9	01:45 AM - 01:50 AM	45.0	43.6
08:30 PM - 08:35 PM	47.1	45.5	11:10 PM - 11:15 PM	46.4	45.4	01:50 AM - 01:55 AM	44.7	43.6
08:35 PM - 08:40 PM	47.6	45.7	11:15 PM - 11:20 PM	46.4	45.6	01:55 AM - 02:00 AM	45.0	43.4

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023

Project Name : Monitoring

Project Location : WHA ESIE 4

Lot ID: 2599077
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3460151-1

Page 3 of 3

Sample Number 2599077-30
Parameter Noise Level (Leq 5 min)
Location ถนนบ้าน หมู่ 1 ถนนพหลโยธิน (อ.เมือง) (N5) (GPS 47P 0744517, 1427788)
Measurement Date Nov 17 - Nov 18, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531308

Nov 18, 2025	Leq	L90	Nov 18, 2025	Leq	L90	Nov 18, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
02:00 AM - 02:05 AM	45.0	43.4	04:40 AM - 04:45 AM	43.5	42.5	07:20 AM - 07:25 AM	43.8	40.8
02:05 AM - 02:10 AM	44.7	43.7	04:45 AM - 04:50 AM	43.5	42.0	07:25 AM - 07:30 AM	45.6	41.7
02:10 AM - 02:15 AM	45.4	43.5	04:50 AM - 04:55 AM	42.3	41.5	07:30 AM - 07:35 AM	43.0	40.5
02:15 AM - 02:20 AM	45.0	43.8	04:55 AM - 05:00 AM	42.9	42.1	07:35 AM - 07:40 AM	43.6	41.0
02:20 AM - 02:25 AM	46.1	44.7	05:00 AM - 05:05 AM	43.0	42.3	07:40 AM - 07:45 AM	42.2	40.1
02:25 AM - 02:30 AM	45.7	43.6	05:05 AM - 05:10 AM	44.0	42.7	07:45 AM - 07:50 AM	43.3	39.8
02:30 AM - 02:35 AM	44.5	43.3	05:10 AM - 05:15 AM	44.4	42.7	07:50 AM - 07:55 AM	45.2	40.2
02:35 AM - 02:40 AM	44.1	43.0	05:15 AM - 05:20 AM	43.7	42.1	07:55 AM - 08:00 AM	46.1	42.7
02:40 AM - 02:45 AM	44.2	43.0	05:20 AM - 05:25 AM	44.2	43.1	08:00 AM - 08:05 AM	44.6	42.4
02:45 AM - 02:50 AM	44.9	43.2	05:25 AM - 05:30 AM	43.9	42.9	08:05 AM - 08:10 AM	45.0	42.9
02:50 AM - 02:55 AM	44.6	43.0	05:30 AM - 05:35 AM	44.6	42.9	08:10 AM - 08:15 AM	46.0	43.8
02:55 AM - 03:00 AM	44.6	42.5	05:35 AM - 05:40 AM	44.6	43.3	08:15 AM - 08:20 AM	48.3	44.2
03:00 AM - 03:05 AM	44.4	42.7	05:40 AM - 05:45 AM	60.2	43.7	08:20 AM - 08:25 AM	44.1	41.7
03:05 AM - 03:10 AM	43.1	41.7	05:45 AM - 05:50 AM	65.3	52.7	08:25 AM - 08:30 AM	43.3	41.7
03:10 AM - 03:15 AM	44.9	42.6	05:50 AM - 05:55 AM	55.5	44.3	08:30 AM - 08:35 AM	51.5	41.6
03:15 AM - 03:20 AM	45.1	44.2	05:55 AM - 06:00 AM	44.8	43.7	08:35 AM - 08:40 AM	56.9	43.5
03:20 AM - 03:25 AM	44.9	43.2	06:00 AM - 06:05 AM	44.9	43.5	08:40 AM - 08:45 AM	54.4	43.5
03:25 AM - 03:30 AM	44.1	42.4	06:05 AM - 06:10 AM	46.0	43.4	08:45 AM - 08:50 AM	53.4	44.7
03:30 AM - 03:35 AM	44.4	41.8	06:10 AM - 06:15 AM	46.1	43.2	08:50 AM - 08:55 AM	51.9	44.4
03:35 AM - 03:40 AM	43.3	41.7	06:15 AM - 06:20 AM	45.9	43.0	08:55 AM - 09:00 AM	51.8	42.6
03:40 AM - 03:45 AM	44.7	43.0	06:20 AM - 06:25 AM	46.2	43.6	09:00 AM - 09:05 AM	49.0	43.2
03:45 AM - 03:50 AM	44.5	43.0	06:25 AM - 06:30 AM	47.2	43.1	09:05 AM - 09:10 AM	49.8	44.2
03:50 AM - 03:55 AM	44.9	43.2	06:30 AM - 06:35 AM	45.4	42.5	09:10 AM - 09:15 AM	45.8	43.5
03:55 AM - 04:00 AM	44.7	42.9	06:35 PM - 06:40 AM	45.2	42.9	09:15 AM - 09:20 AM	45.7	44.2
04:00 AM - 04:05 AM	44.5	42.6	06:40 AM - 06:45 AM	44.6	42.9	09:20 AM - 09:25 AM	44.7	42.7
04:05 AM - 04:10 AM	43.9	41.8	06:45 AM - 06:50 AM	46.1	43.8	09:25 AM - 09:30 AM	46.1	44.3
04:10 AM - 04:15 AM	44.1	42.2	06:50 AM - 06:55 AM	46.1	42.9	09:30 AM - 09:35 AM	45.8	43.4
04:15 AM - 04:20 AM	42.9	41.9	06:55 AM - 07:00 AM	45.2	42.4	09:35 AM - 09:40 AM	47.2	45.6
04:20 AM - 04:25 AM	43.5	42.4	07:00 AM - 07:05 AM	45.9	42.1	09:40 AM - 09:45 AM	46.7	45.7
04:25 AM - 04:30 AM	43.0	41.8	07:05 AM - 07:10 AM	45.0	42.4	09:45 AM - 09:50 AM	44.9	43.4
04:30 AM - 04:35 AM	44.1	41.1	07:10 AM - 07:15 AM	44.3	42.0	09:50 AM - 09:55 AM	45.5	43.3
04:35 AM - 04:40 AM	43.2	41.8	07:15 AM - 07:20 AM	43.9	41.8	09:55 AM - 10:00 AM	49.3	43.6

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Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023

Project Name : Monitoring

Project Location : WHA ESIE 4

Lot ID: 2599077
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3460152-1

Page 1 of 3

Sample Number 2599077-31
Parameter Noise Level (Leq 5 min)
Location ถนนบ้าน หมู่ 1 ถนนพหลโยธิน (อ.เมือง) (N5) (GPS 47P 0744517, 1427788)
Measurement Date Nov 18 - Nov 19, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531308

Nov 18, 2025			Nov 18, 2025			Nov 18, 2025		
Time	Leq	L90	Time	Leq	L90	Time	Leq	L90
	dB(A)	dB(A)		dB(A)	dB(A)		dB(A)	dB(A)
10:00 AM - 10:05 AM	45.0	43.3	12:40 PM - 12:45 PM	42.2	38.8	03:20 PM - 03:25 PM	43.7	41.0
10:05 AM - 10:10 AM	44.6	42.0	12:45 PM - 12:50 PM	40.0	37.7	03:25 PM - 03:30 PM	44.4	42.2
10:10 AM - 10:15 AM	45.7	43.5	12:50 PM - 12:55 PM	40.2	38.0	03:30 PM - 03:35 PM	43.6	42.1
10:15 AM - 10:20 AM	45.8	44.1	12:55 PM - 01:00 PM	42.3	39.8	03:35 PM - 03:40 PM	44.2	42.6
10:20 AM - 10:25 AM	48.4	43.2	01:00 PM - 01:05 PM	42.4	40.6	03:40 PM - 03:45 PM	43.9	42.4
10:25 AM - 10:30 AM	44.4	43.1	01:05 PM - 01:10 PM	44.1	40.9	03:45 PM - 03:50 PM	46.1	43.6
10:30 AM - 10:35 AM	44.5	42.4	01:10 PM - 01:15 PM	42.2	40.1	03:50 PM - 03:55 PM	44.3	42.8
10:35 AM - 10:40 AM	45.0	43.2	01:15 PM - 01:20 PM	43.0	41.3	03:55 PM - 04:00 PM	45.7	43.8
10:40 AM - 10:45 AM	43.0	41.1	01:20 PM - 01:25 PM	43.2	41.5	04:00 PM - 04:05 PM	48.1	47.0
10:45 AM - 10:50 AM	44.3	41.7	01:25 PM - 01:30 PM	46.6	41.9	04:05 PM - 04:10 PM	45.3	43.5
10:50 AM - 10:55 AM	45.4	42.1	01:30 PM - 01:35 PM	54.7	44.6	04:10 PM - 04:15 PM	44.9	42.5
10:55 AM - 11:00 AM	52.4	50.5	01:35 PM - 01:40 PM	48.1	42.7	04:15 PM - 04:20 PM	45.6	43.6
11:00 AM - 11:05 AM	52.9	49.9	01:40 PM - 01:45 PM	45.1	42.3	04:20 PM - 04:25 PM	44.2	42.3
11:05 AM - 11:10 AM	52.4	49.6	01:45 PM - 01:50 PM	50.1	43.8	04:25 PM - 04:30 PM	43.7	42.1
11:10 AM - 11:15 AM	51.5	49.4	01:50 PM - 01:55 PM	44.3	42.3	04:30 PM - 04:35 PM	44.0	42.5
11:15 AM - 11:20 AM	50.2	49.2	01:55 PM - 02:00 PM	43.1	41.1	04:35 PM - 04:40 PM	44.3	42.8
11:20 AM - 11:25 AM	51.8	49.7	02:00 PM - 02:05 PM	42.9	41.5	04:40 PM - 04:45 PM	44.4	42.5
11:25 AM - 11:30 AM	56.0	53.6	02:05 PM - 02:10 PM	44.5	41.6	04:45 PM - 04:50 PM	48.8	42.7
11:30 AM - 11:35 AM	55.0	53.2	02:10 PM - 02:15 PM	42.9	41.0	04:50 PM - 04:55 PM	44.3	42.0
11:35 AM - 11:40 AM	53.3	51.4	02:15 PM - 02:20 PM	42.9	41.5	04:55 PM - 05:00 PM	44.3	42.4
11:40 AM - 11:45 AM	52.7	51.0	02:20 PM - 02:25 PM	43.3	41.2	05:00 PM - 05:05 PM	44.3	41.3
11:45 AM - 11:50 AM	54.8	51.0	02:25 PM - 02:30 PM	43.0	41.1	05:05 PM - 05:10 PM	44.1	41.0
11:50 AM - 11:55 AM	51.6	45.1	02:30 PM - 02:35 PM	43.4	41.6	05:10 PM - 05:15 PM	44.3	41.5
11:55 AM - 12:00 PM	53.3	43.8	02:35 PM - 02:40 PM	43.2	41.9	05:15 PM - 05:20 PM	44.6	41.8
12:00 PM - 12:05 PM	49.2	42.0	02:40 PM - 02:45 PM	42.9	41.1	05:20 PM - 05:25 PM	44.2	41.5
12:05 PM - 12:10 PM	45.1	41.0	02:45 PM - 02:50 PM	44.1	42.6	05:25 PM - 05:30 PM	45.4	43.0
12:10 PM - 12:15 PM	40.9	38.9	02:50 PM - 02:55 PM	42.7	41.3	05:30 PM - 05:35 PM	46.1	43.0
12:15 PM - 12:20 PM	40.0	38.4	02:55 PM - 03:00 PM	43.4	41.6	05:35 PM - 05:40 PM	46.2	43.2
12:20 PM - 12:25 PM	40.3	37.6	03:00 PM - 03:05 PM	43.0	40.5	05:40 PM - 05:45 PM	46.7	43.7
12:25 PM - 12:30 PM	40.3	37.6	03:05 PM - 03:10 PM	43.5	40.6	05:45 PM - 05:50 PM	44.1	44.1
12:30 PM - 12:35 PM	41.3	37.7	03:10 PM - 03:15 PM	41.6	40.0	05:50 PM - 05:55 PM	46.0	43.9
12:35 PM - 12:40 PM	40.5	37.6	03:15 PM - 03:20 PM	42.6	40.7	05:55 PM - 06:00 PM	45.5	43.3



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number 2599077-31
Parameter Noise Level (Leq 5 min)
Location สถานีฯ หมู่ 1 ตำบลแม่แก้ว (ต.แม่แก้ว) (N5) (GPS 47P 0744517, 1427788)
Measurement Date Nov 19 - Nov 20, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531308

Page 3 of 3

Nov 19, 2025			Nov 19, 2025			Nov 19, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
02:00 AM - 02:05 AM	48.9	47.9	04:40 AM - 04:45 AM	42.5	41.5	07:20 AM - 07:25 AM	50.4	45.0
02:05 AM - 02:10 AM	53.2	50.8	04:45 AM - 04:50 AM	43.2	41.6	07:25 AM - 07:30 AM	50.2	45.4
02:10 AM - 02:15 AM	54.3	53.2	04:50 AM - 04:55 AM	43.8	41.4	07:30 AM - 07:35 AM	49.2	43.7
02:15 AM - 02:20 AM	54.6	54.0	04:55 AM - 05:00 AM	44.1	41.6	07:35 AM - 07:40 AM	48.2	44.7
02:20 AM - 02:25 AM	52.4	48.5	05:00 AM - 05:05 AM	45.4	41.9	07:40 AM - 07:45 AM	48.9	44.9
02:25 AM - 02:30 AM	45.7	42.4	05:05 AM - 05:10 AM	45.4	42.2	07:45 AM - 07:50 AM	51.7	46.0
02:30 AM - 02:35 AM	42.6	41.1	05:10 AM - 05:15 AM	46.3	42.6	07:50 AM - 07:55 AM	49.0	43.9
02:35 AM - 02:40 AM	41.5	40.4	05:15 AM - 05:20 AM	46.3	43.3	07:55 AM - 08:00 AM	49.1	44.6
02:40 AM - 02:45 AM	41.6	40.7	05:20 AM - 05:25 AM	46.6	44.0	08:00 AM - 08:05 AM	49.6	43.8
02:45 AM - 02:50 AM	40.8	40.2	05:25 AM - 05:30 AM	47.3	44.2	08:05 AM - 08:10 AM	49.4	45.1
02:50 AM - 02:55 AM	41.3	40.3	05:30 AM - 05:35 AM	47.8	44.4	08:10 AM - 08:15 AM	53.5	46.0
02:55 AM - 03:00 AM	40.5	39.8	05:35 AM - 05:40 AM	47.6	44.3	08:15 AM - 08:20 AM	49.0	46.9
03:00 AM - 03:05 AM	41.3	40.1	05:40 AM - 05:45 AM	47.6	44.4	08:20 AM - 08:25 AM	49.0	45.3
03:05 AM - 03:10 AM	41.0	40.1	05:45 AM - 05:50 AM	47.3	43.8	08:25 AM - 08:30 AM	49.2	44.8
03:10 AM - 03:15 AM	41.4	40.0	05:50 AM - 05:55 AM	47.1	44.2	08:30 AM - 08:35 AM	50.0	45.5
03:15 AM - 03:20 AM	42.0	40.6	05:55 AM - 06:00 AM	48.2	45.2	08:35 AM - 08:40 AM	49.6	44.0
03:20 AM - 03:25 AM	41.3	40.4	06:00 AM - 06:05 AM	48.3	45.1	08:40 AM - 08:45 AM	48.4	45.6
03:25 AM - 03:30 AM	42.4	40.7	06:05 AM - 06:10 AM	48.0	45.0	08:45 AM - 08:50 AM	52.9	46.6
03:30 AM - 03:35 AM	42.8	41.1	06:10 AM - 06:15 AM	47.4	44.2	08:50 AM - 08:55 AM	54.2	45.5
03:35 AM - 03:40 AM	42.1	41.0	06:15 AM - 06:20 AM	47.7	44.9	08:55 AM - 09:00 AM	50.6	46.4
03:40 AM - 03:45 AM	41.8	40.8	06:20 AM - 06:25 AM	47.3	44.2	09:00 AM - 09:05 AM	49.7	45.2
03:45 AM - 03:50 AM	41.3	40.3	06:25 AM - 06:30 AM	46.7	43.8	09:05 AM - 09:10 AM	51.3	45.0
03:50 AM - 03:55 AM	40.8	40.0	06:30 AM - 06:35 AM	46.9	44.4	09:10 AM - 09:15 AM	52.0	46.3
03:55 AM - 04:00 AM	41.3	40.4	06:35 AM - 06:40 AM	46.9	44.6	09:15 AM - 09:20 AM	53.2	45.6
04:00 AM - 04:05 AM	41.9	40.7	06:40 AM - 06:45 AM	45.4	44.1	09:20 AM - 09:25 AM	51.7	44.0
04:05 AM - 04:10 AM	45.0	40.7	06:45 AM - 06:50 AM	45.6	43.3	09:25 AM - 09:30 AM	51.7	45.4
04:10 AM - 04:15 AM	41.7	40.7	06:50 AM - 06:55 AM	46.7	44.0	09:30 AM - 09:35 AM	50.2	45.2
04:15 AM - 04:20 AM	46.6	41.6	06:55 AM - 07:00 AM	48.9	44.4	09:35 AM - 09:40 AM	51.5	44.7
04:20 AM - 04:25 AM	42.8	41.3	07:00 AM - 07:05 AM	46.9	44.5	09:40 AM - 09:45 AM	52.1	45.0
04:25 AM - 04:30 AM	42.3	40.8	07:05 AM - 07:10 AM	48.1	44.5	09:45 AM - 09:50 AM	51.0	45.6
04:30 AM - 04:35 AM	42.7	41.2	07:10 AM - 07:15 AM	50.1	44.4	09:50 AM - 09:55 AM	48.0	43.3
04:35 AM - 04:40 AM	42.9	41.5	07:15 AM - 07:20 AM	50.3	45.3	09:55 AM - 10:00 AM	49.4	44.3

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number 2599077-32
Parameter Noise Level (Leq 5 min)
Location สถานีฯ หมู่ 1 ตำบลแม่แก้ว (ต.แม่แก้ว) (N5) (GPS 47P 0744517, 1427788)
Measurement Date Nov 19 - Nov 20, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531308

Page 1 of 3

Nov 19, 2025			Nov 19, 2025			Nov 19, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
10:00 AM - 10:05 AM	46.4	43.4	12:40 PM - 12:45 PM	47.3	40.6	03:20 PM - 03:25 PM	55.0	42.7
10:05 AM - 10:10 AM	47.9	43.4	12:45 PM - 12:50 PM	47.9	42.8	03:25 PM - 03:30 PM	45.5	42.0
10:10 AM - 10:15 AM	49.8	45.8	12:50 PM - 12:55 PM	51.7	43.5	03:30 PM - 03:35 PM	43.6	41.9
10:15 AM - 10:20 AM	46.5	43.9	12:55 PM - 01:00 PM	49.9	44.8	03:35 PM - 03:40 PM	43.2	41.7
10:20 AM - 10:25 AM	47.7	44.7	01:00 PM - 01:05 PM	51.9	46.7	03:40 PM - 03:45 PM	42.9	41.6
10:25 AM - 10:30 AM	50.5	46.4	01:05 PM - 01:10 PM	51.6	45.5	03:45 PM - 03:50 PM	42.7	41.4
10:30 AM - 10:35 AM	47.4	44.4	01:10 PM - 01:15 PM	50.5	46.2	03:50 PM - 03:55 PM	43.7	42.1
10:35 AM - 10:40 AM	51.2	46.9	01:15 PM - 01:20 PM	49.4	44.6	03:55 PM - 04:00 PM	47.1	41.9
10:40 AM - 10:45 AM	51.6	45.8	01:20 PM - 01:25 PM	49.9	44.5	04:00 PM - 04:05 PM	43.8	42.2
10:45 AM - 10:50 AM	50.5	45.0	01:25 PM - 01:30 PM	50.5	43.8	04:05 PM - 04:10 PM	43.2	41.7
10:50 AM - 10:55 AM	48.0	44.8	01:30 PM - 01:35 PM	48.3	44.3	04:10 PM - 04:15 PM	43.2	41.7
10:55 AM - 11:00 AM	49.9	44.8	01:35 PM - 01:40 PM	48.5	44.7	04:15 PM - 04:20 PM	45.0	42.7
11:00 AM - 11:05 AM	48.5	44.4	01:40 PM - 01:45 PM	49.2	44.9	04:20 PM - 04:25 PM	43.9	42.3
11:05 AM - 11:10 AM	48.1	44.3	01:45 PM - 01:50 PM	45.8	43.3	04:25 PM - 04:30 PM	45.1	42.9
11:10 AM - 11:15 AM	47.3	44.2	01:50 PM - 01:55 PM	45.3	42.9	04:30 PM - 04:35 PM	45.1	42.9
11:15 AM - 11:20 AM	50.7	44.7	01:55 PM - 02:00 PM	48.0	43.2	04:35 PM - 04:40 PM	45.3	43.1
11:20 AM - 11:25 AM	47.7	42.4	02:00 PM - 02:05 PM	46.4	42.8	04:40 PM - 04:45 PM	47.4	42.6
11:25 AM - 11:30 AM	51.1	43.1	02:05 PM - 02:10 PM	49.6	44.1	04:45 PM - 04:50 PM	46.3	42.6
11:30 AM - 11:35 AM	49.9	42.6	02:10 PM - 02:15 PM	48.8	43.6	04:50 PM - 04:55 PM	45.9	42.9
11:35 AM - 11:40 AM	48.2	42.9	02:15 PM - 02:20 PM	47.7	43.2	04:55 PM - 05:00 PM	45.6	44.0
11:40 AM - 11:45 AM	48.3	43.2	02:20 PM - 02:25 PM	53.1	44.5	05:00 PM - 05:05 PM	45.7	42.3
11:45 AM - 11:50 AM	44.9	41.9	02:25 PM - 02:30 PM	51.0	44.2	05:05 PM - 05:10 PM	45.0	41.6
11:50 AM - 11:55 AM	47.6	42.4	02:30 PM - 02:35 PM	52.0	44.0	05:10 PM - 05:15 PM	46.0	41.9
11:55 AM - 12:00 PM	48.3	41.0	02:35 PM - 02:40 PM	49.0	44.5	05:15 PM - 05:20 PM	45.0	42.1
12:00 PM - 12:05 PM	50.9	44.5	02:40 PM - 02:45 PM	49.3	43.5	05:20 PM - 05:25 PM	45.8	42.2
12:05 PM - 12:10 PM	45.6	42.6	02:45 PM - 02:50 PM	47.6	45.5	05:25 PM - 05:30 PM	45.7	43.5
12:10 PM - 12:15 PM	50.1	42.6	02:50 PM - 02:55 PM	45.7	43.1	05:30 PM - 05:35 PM	45.0	42.9
12:15 PM - 12:20 PM	47.0	42.2	02:55 PM - 03:00 PM	46.7	43.3	05:35 PM - 05:40 PM	45.0	42.4
12:20 PM - 12:25 PM	49.4	43.8	03:00 PM - 03:05 PM	48.2	45.0	05:40 PM - 05:45 PM	49.5	44.3
12:25 PM - 12:30 PM	50.1	44.6	03:05 PM - 03:10 PM	44.8	42.4	05:45 PM - 05:50 PM	45.2	43.2
12:30 PM - 12:35 PM	52.8	40.6	03:10 PM - 03:15 PM	43.7	41.9	05:50 PM - 05:55 PM	45.8	43.4
12:35 PM - 12:40 PM	48.8	40.7	03:15 PM - 03:20 PM	48.4	43.0	05:55 PM - 06:00 PM	46.5	44.8

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Approved by

Sarayuht Jitranont
Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number 2599077-32
Parameter Noise Level (Leq 5 min)
Location สถานีฯ หมู่ 1 ตำบลแม่แก้ว (ต.แม่แก้ว) (N5) (GPS 47P 0744517, 1427788)
Measurement Date Nov 19 - Nov 20, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531308

Page 2 of 3

Nov 19, 2025			Nov 19, 2025			Nov 19 - Nov 20, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
06:00 PM - 06:05 PM	46.0	43.4	08:40 PM - 08:45 PM	47.6	44.8	11:20 PM - 11:25 PM	45.0	43.7
06:05 PM - 06:10 PM	46.5	44.9	08:45 PM - 08:50 PM	47.1	45.3	11:25 PM - 11:30 PM	45.5	43.7
06:10 PM - 06:15 PM	46.9	45.6	08:50 PM - 08:55 PM	48.4	46.1	11:30 PM - 11:35 PM	45.0	43.9
06:15 PM - 06:20 PM	48.5	47.0	08:55 PM - 09:00 PM	47.5	45.4	11:35 PM - 11:40 PM	45.2	43.8
06:20 PM - 06:25 PM	50.1	47.8	09:00 PM - 09:05 PM	48.0	45.9	11:40 PM - 11:45 PM	45.8	44.3
06:25 PM - 06:30 PM	49.4	48.2	09:05 PM - 09:10 PM	47.2	45.2	11:45 PM - 11:50 PM	45.7	44.2
06:30 PM - 06:35 PM	49.0	47.7	09:10 PM - 09:15 PM	47.0	45.5	11:50 PM - 11:55 PM	44.8	43.3
06:35 PM - 06:40 PM	49.1	47.5	09:15 PM - 09:20 PM	47.5	45.5	11:55 PM - 12:00 AM	45.1	43.6
06:40 PM - 06:45 PM	49.8	48.0	09:20 PM - 09:25 PM	47.5	45.3	12:00 AM - 12:05 AM	45.2	43.6
06:45 PM - 06:50 PM	52.9	47.6	09:25 PM - 09:30 PM	47.0	45.3	12:05 AM - 12:10 AM	45.1	43.6
06:50 PM - 06:55 PM	50.3	48.4	09:30 PM - 09:35 PM	47.3	45.2	12:10 AM - 12:15 AM	45.9	43.3
06:55 PM - 07:00 PM	51.6	48.2	09:35 PM - 09:40 PM	47.6	45.7	12:15 AM - 12:20 AM	45.9	43.3
07:00 PM - 07:05 PM	49.4	47.7	09:40 PM - 09:45 PM	47.3	45.5	12:20 AM - 12:25 AM	46.6	43.2
07:05 PM - 07:10 PM	51.5	48.3	09:45 PM - 09:50 PM	47.1	45.3	12:25 AM - 12:30 AM	45.6	43.5
07:10 PM - 07:15 PM	50.2	48.0	09:50 PM - 09:55 PM	47.7	45.4	12:30 AM - 12:35 AM	45.6	43.9
07:15 PM - 07:20 PM	49.5	47.2	09:55 PM - 10:00 PM	46.1	44.4	12:35 AM - 12:40 AM	45.4	43.4
07:20 PM - 07:25 PM	49.1	47.2	10:00 PM - 10:05 PM	45.9	44.1	12:40 AM - 12:45 AM	45.3	43.5
07:25 PM - 07:30 PM	46.7	46.7	10:05 PM - 10:10 PM	45.5	44.1	12:45 AM - 12:50 AM	44.6	42.7
07:30 PM - 07:35 PM	48.7	47.1	10:10 PM - 10:15 PM	46.0	44.5	12:50 AM - 12:55 AM	44.1	42.2
07:35 PM - 07:40 PM	50.7	46.7	10:15 PM - 10:20 PM	46.3	44.6	12:55 AM - 01:00 AM	44.7	42.7
07:40 PM - 07:45 PM	49.3	46.6	10:20 PM - 10:25 PM	45.3	44.1	01:00 AM - 01:05 AM	44.3	42.5
07:45 PM - 07:50 PM	48.3	46.6	10:25 PM - 10:30 PM	45.2	43.7	01:05 AM - 01:10 AM	44.8	42.5
07:50 PM - 07:55 PM	50.1	46.7	10:30 PM - 10:35 PM	45.4	43.9	01:10 AM - 01:15 AM	44.9	42.5
07:55 PM - 08:00 PM	47.8	46.1	10:35 PM - 10:40 PM	47.0	44.0	01:15 AM - 01:20 AM	44.1	42.5
08:00 PM - 08:05 PM	47.7	46.5	10:40 PM - 10:45 PM	47.4	44.4	01:20 AM - 01:25 AM	44.2	42.5
08:05 PM - 08:10 PM	48.9	46.4	10:45 PM - 10:50 PM	44.3	43.1	01:25 AM - 01:30 AM	43.9	42.0
08:10 PM - 08:15 PM	48.0	46.1	10:50 PM - 10:55 PM	45.1	43.5	01:30 AM - 01:35 AM	43.9	41.9
08:15 PM - 08:20 PM	47.8	46.2	10:55 PM - 11:00 PM	46.0	44.1	01:35 AM - 01:40 AM	43.8	42.1
08:20 PM - 08:25 PM	48.2	46.3	11:00 PM - 11:05 PM	45.2	43.6	01:40 AM - 01:45 AM	44.0	42.1
08:25 PM - 08:30 PM	49.7	46.7	11:05 PM - 11:10 PM	44.5	43.2	01:45 AM - 01:50 AM	44.1	42.1
08:30 PM - 08:35 PM	49.8	46.1	11:10 PM - 11:15 PM	45.0	43.5	01:50 AM - 01:55 AM	44.0	42.1
08:35 PM - 08:40 PM	47.6	45.8	11:15 PM - 11:20 PM	45.1	43.5	01:55 AM - 02:00 AM	44.4	42.2



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599077
Date Received : Nov 24, 2025
Date Reported : Nov 29, 2025
Report Number : 3460154-1

Page 1 of 3

Sample Number
Parameter
Location
Measurement Date
Measurement by
Sound Level meter

2599077-33
Noise Level (Leq 5 min)
ณสถานี พจ 1 ฐานแม่เหล็ก (ต.แม่เหล็ก) (N5) (GPS 47P 0744517, 1427788)
Nov 20 - Nov 21, 2025
Apichart Wilars
Serial No. 531308

Nov 20, 2025			Nov 20, 2025			Nov 20, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
10:00 AM - 10:05 AM	46.0	43.3	12:40 PM - 12:45 PM	43.4	40.6	03:20 PM - 03:25 PM	44.9	42.2
10:05 AM - 10:10 AM	46.6	43.4	12:45 PM - 12:50 PM	42.9	39.8	03:25 PM - 03:30 PM	44.3	42.3
10:10 AM - 10:15 AM	45.3	43.0	12:50 PM - 12:55 PM	44.0	41.8	03:30 PM - 03:35 PM	45.6	43.9
10:15 AM - 10:20 AM	46.1	43.7	12:55 PM - 01:00 PM	45.1	41.9	03:35 PM - 03:40 PM	46.4	43.8
10:20 AM - 10:25 AM	47.0	45.1	01:00 PM - 01:05 PM	46.0	41.7	03:40 PM - 03:45 PM	45.7	43.9
10:25 AM - 10:30 AM	46.8	44.9	01:05 PM - 01:10 PM	45.3	42.3	03:45 PM - 03:50 PM	45.8	44.0
10:30 AM - 10:35 AM	50.5	44.7	01:10 PM - 01:15 PM	44.0	42.1	03:50 PM - 03:55 PM	46.0	44.4
10:35 AM - 10:40 AM	47.2	44.3	01:15 PM - 01:20 PM	44.9	43.1	03:55 PM - 04:00 PM	45.5	43.7
10:40 AM - 10:45 AM	45.8	43.9	01:20 PM - 01:25 PM	44.6	42.4	04:00 PM - 04:05 PM	44.7	43.1
10:45 AM - 10:50 AM	45.5	43.3	01:25 PM - 01:30 PM	44.5	42.1	04:05 PM - 04:10 PM	43.6	42.3
10:50 AM - 10:55 AM	45.2	42.7	01:30 PM - 01:35 PM	43.3	41.1	04:10 PM - 04:15 PM	46.4	43.0
10:55 AM - 11:00 AM	45.5	42.4	01:35 PM - 01:40 PM	43.7	41.3	04:15 PM - 04:20 PM	50.5	46.6
11:00 AM - 11:05 AM	45.4	43.5	01:40 PM - 01:45 PM	45.0	41.9	04:20 PM - 04:25 PM	45.7	43.1
11:05 AM - 11:10 AM	45.3	43.6	01:45 PM - 01:50 PM	45.1	42.6	04:25 PM - 04:30 PM	45.3	44.0
11:10 AM - 11:15 AM	44.6	43.1	01:50 PM - 01:55 PM	46.6	43.0	04:30 PM - 04:35 PM	47.6	43.9
11:15 AM - 11:20 AM	44.0	42.5	01:55 PM - 02:00 PM	45.5	42.7	04:35 PM - 04:40 PM	47.8	44.7
11:20 AM - 11:25 AM	46.2	43.3	02:00 PM - 02:05 PM	46.2	42.6	04:40 PM - 04:45 PM	46.6	44.4
11:25 AM - 11:30 AM	46.4	43.5	02:05 PM - 02:10 PM	48.6	44.1	04:45 PM - 04:50 PM	46.8	44.7
11:30 AM - 11:35 AM	44.4	42.9	02:10 PM - 02:15 PM	46.2	44.7	04:50 PM - 04:55 PM	49.5	46.4
11:35 AM - 11:40 AM	45.3	43.5	02:15 PM - 02:20 PM	47.7	44.4	04:55 PM - 05:00 PM	46.9	44.5
11:40 AM - 11:45 AM	45.9	43.6	02:20 PM - 02:25 PM	46.8	43.3	05:00 PM - 05:05 PM	47.4	42.8
11:45 AM - 11:50 AM	44.9	42.7	02:25 PM - 02:30 PM	45.1	43.5	05:05 PM - 05:10 PM	45.0	42.8
11:50 AM - 11:55 AM	45.1	42.4	02:30 PM - 02:35 PM	46.2	43.6	05:10 PM - 05:15 PM	44.6	42.0
11:55 AM - 12:00 PM	45.4	43.7	02:35 PM - 02:40 PM	46.2	43.5	05:15 PM - 05:20 PM	47.5	42.5
12:00 PM - 12:05 PM	46.0	42.1	02:40 PM - 02:45 PM	45.8	42.9	05:20 PM - 05:25 PM	44.5	43.2
12:05 PM - 12:10 PM	45.6	43.6	02:45 PM - 02:50 PM	46.6	44.5	05:25 PM - 05:30 PM	45.7	43.0
12:10 PM - 12:15 PM	43.4	40.7	02:50 PM - 02:55 PM	44.4	43.0	05:30 PM - 05:35 PM	45.4	42.7
12:15 PM - 12:20 PM	43.3	40.8	02:55 PM - 03:00 PM	44.0	42.5	05:35 PM - 05:40 PM	46.1	43.3
12:20 PM - 12:25 PM	44.3	40.4	03:00 PM - 03:05 PM	44.5	43.5	05:40 PM - 05:45 PM	45.6	43.5
12:25 PM - 12:30 PM	42.0	39.8	03:05 PM - 03:10 PM	44.3	42.1	05:45 PM - 05:50 PM	45.9	44.2
12:30 PM - 12:35 PM	45.4	41.7	03:10 PM - 03:15 PM	44.0	42.2	05:50 PM - 05:55 PM	46.1	44.4
12:35 PM - 12:40 PM	44.0	41.0	03:15 PM - 03:20 PM	44.5	42.8	05:55 PM - 06:00 PM	45.9	44.3

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Sarayuht Jitranont
Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599077
Date Received : Nov 24, 2025
Date Reported : Nov 29, 2025
Report Number : 3460154-1

Page 2 of 3

Sample Number
Parameter
Location
Measurement Date
Measurement by
Sound Level meter

2599077-33
Noise Level (Leq 5 min)
ณสถานี พจ 1 ฐานแม่เหล็ก (ต.แม่เหล็ก) (N5) (GPS 47P 0744517, 1427788)
Nov 20 - Nov 21, 2025
Apichart Wilars
Serial No. 531308

Nov 20, 2025			Nov 20, 2025			Nov 20 - Nov 21, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
06:00 PM - 06:05 PM	46.4	43.6	08:40 PM - 08:45 PM	45.3	41.8	11:20 PM - 11:25 PM	44.3	40.8
06:05 PM - 06:10 PM	48.7	44.2	08:45 PM - 08:50 PM	45.3	42.2	11:25 PM - 11:30 PM	42.8	41.0
06:10 PM - 06:15 PM	51.7	45.0	08:50 PM - 08:55 PM	44.9	42.5	11:30 PM - 11:35 PM	43.2	41.6
06:15 PM - 06:20 PM	47.6	45.8	08:55 PM - 09:00 PM	45.6	44.1	11:35 PM - 11:40 PM	43.4	41.5
06:20 PM - 06:25 PM	48.7	46.8	09:00 PM - 09:05 PM	45.6	44.1	11:40 PM - 11:45 PM	42.9	41.2
06:25 PM - 06:30 PM	48.9	47.0	09:05 PM - 09:10 PM	45.7	43.1	11:45 PM - 11:50 PM	42.6	41.0
06:30 PM - 06:35 PM	47.9	46.7	09:10 PM - 09:15 PM	44.8	43.4	11:50 PM - 11:55 PM	43.8	42.2
06:35 PM - 06:40 PM	47.4	46.0	09:15 PM - 09:20 PM	45.8	44.3	11:55 PM - 12:00 AM	42.9	41.1
06:40 PM - 06:45 PM	50.5	46.4	09:20 PM - 09:25 PM	44.7	43.0	12:00 AM - 12:05 AM	42.9	41.0
06:45 PM - 06:50 PM	47.9	46.4	09:25 PM - 09:30 PM	46.1	42.9	12:05 AM - 12:10 AM	43.3	41.4
06:50 PM - 06:55 PM	48.7	47.1	09:30 PM - 09:35 PM	44.9	43.4	12:10 AM - 12:15 AM	43.1	41.5
06:55 PM - 07:00 PM	49.1	46.5	09:35 PM - 09:40 PM	45.6	43.9	12:15 AM - 12:20 AM	43.1	41.7
07:00 PM - 07:05 PM	48.3	46.6	09:40 PM - 09:45 PM	44.6	43.1	12:20 AM - 12:25 AM	43.0	41.8
07:05 PM - 07:10 PM	50.2	47.4	09:45 PM - 09:50 PM	44.1	42.7	12:25 AM - 12:30 AM	42.9	41.5
07:10 PM - 07:15 PM	48.8	46.4	09:50 PM - 09:55 PM	44.6	42.7	12:30 AM - 12:35 AM	44.0	41.9
07:15 PM - 07:20 PM	49.0	46.6	09:55 PM - 10:00 PM	44.1	41.6	12:35 AM - 12:40 AM	43.0	41.1
07:20 PM - 07:25 PM	50.1	46.1	10:00 PM - 10:05 PM	45.0	42.7	12:40 AM - 12:45 AM	44.0	42.2
07:25 PM - 07:30 PM	48.4	46.2	10:05 PM - 10:10 PM	44.2	42.4	12:45 AM - 12:50 AM	43.5	41.6
07:30 PM - 07:35 PM	51.3	46.2	10:10 PM - 10:15 PM	43.5	41.9	12:50 AM - 12:55 AM	43.5	41.4
07:35 PM - 07:40 PM	48.8	46.8	10:15 PM - 10:20 PM	43.8	42.1	12:55 AM - 01:00 AM	43.5	41.5
07:40 PM - 07:45 PM	49.4	46.1	10:20 PM - 10:25 PM	43.5	42.1	01:00 AM - 01:05 AM	43.5	41.5
07:45 PM - 07:50 PM	50.0	45.7	10:25 PM - 10:30 PM	43.6	41.7	01:05 AM - 01:10 AM	43.7	41.6
07:50 PM - 07:55 PM	50.2	45.1	10:30 PM - 10:35 PM	44.0	41.8	01:10 AM - 01:15 AM	43.5	41.6
07:55 PM - 08:00 PM	46.7	44.5	10:35 PM - 10:40 PM	44.4	42.6	01:15 AM - 01:20 AM	43.2	41.4
08:00 PM - 08:05 PM	46.2	44.2	10:40 PM - 10:45 PM	44.7	42.4	01:20 AM - 01:25 AM	43.0	40.9
08:05 PM - 08:10 PM	47.0	44.6	10:45 PM - 10:50 PM	44.0	42.5	01:25 AM - 01:30 AM	43.3	40.9
08:10 PM - 08:15 PM	46.1	44.4	10:50 PM - 10:55 PM	43.8	42.8	01:30 AM - 01:35 AM	43.3	41.3
08:15 PM - 08:20 PM	47.0	45.3	10:55 PM - 11:00 PM	43.5	42.3	01:35 AM - 01:40 AM	43.3	41.1
08:20 PM - 08:25 PM	46.6	45.3	11:00 PM - 11:05 PM	42.9	42.0	01:40 AM - 01:45 AM	43.5	41.4
08:25 PM - 08:30 PM	45.4	43.3	11:05 PM - 11:10 PM	43.1	42.1	01:45 AM - 01:50 AM	43.7	41.7
08:30 PM - 08:35 PM	44.7	43.0	11:10 PM - 11:15 PM	42.3	40.7	01:50 AM - 01:55 AM	43.4	41.2
08:35 PM - 08:40 PM	45.2	43.0	11:15 PM - 11:20 PM	42.5	40.9	01:55 AM - 02:00 AM	43.0	41.0

The above results are valid only for the analysed/tested sample(s) as indicated in the report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Sarayuht Jitranont
Assistant General Manager

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599077
Date Received : Nov 24, 2025
Date Reported : Nov 29, 2025
Report Number : 3460154-1

Page 3 of 3

Sample Number
Parameter
Location
Measurement Date
Measurement by
Sound Level meter

2599077-33
Noise Level (Leq 5 min)
ณสถานี พจ 1 ฐานแม่เหล็ก (ต.แม่เหล็ก) (N5) (GPS 47P 0744517, 1427788)
Nov 20 - Nov 21, 2025
Apichart Wilars
Serial No. 531308

Nov 21, 2025			Nov 21, 2025			Nov 21, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
02:00 AM - 02:05 AM	43.2	41.2	04:40 AM - 04:45 AM	42.4	41.0	07:20 AM - 07:25 AM	46.6	43.6
02:05 AM - 02:10 AM	42.9	39.8	04:45 AM - 04:50 AM	43.6	41.8	07:25 AM - 07:30 AM	48.3	45.3
02:10 AM - 02:15 AM	43.2	40.6	04:50 AM - 04:55 AM	42.6	41.3	07:30 AM - 07:35 AM	46.3	44.7
02:15 AM - 02:20 AM	43.6	41.4	04:55 AM - 05:00 AM	44.6	42.9	07:35 AM - 07:40 AM	47.2	44.6
02:20 AM - 02:25 AM	43.8	41.9	05:00 AM - 05:05 AM	45.8	43.9	07:40 AM - 07:45 AM	47.2	44.0
02:25 AM - 02:30 AM	43.8	41.9	05:05 AM - 05:10 AM	45.3	43.8	07:45 AM - 07:50 AM	47.1	42.9
02:30 AM - 02:35 AM	43.9	41.9	05:10 AM - 05:15 AM	45.1	43.3	07:50 AM - 07:55 AM	47.5	44.4
02:35 AM - 02:40 AM	44.1	42.1	05:15 AM - 05:20 AM	45.6	43.9	07:55 AM - 08:00 AM	48.3	44.5
02:40 AM - 02:45 AM	44.0	42.2	05:20 AM - 05:25 AM	46.2	43.7	08:00 AM - 08:05 AM	47.7	44.5
02:45 AM - 02:50 AM	43.5	41.6	05:25 AM - 05:30 AM	46.5	44.4	08:05 AM - 08:10 AM	46.9	45.5
02:50 AM - 02:55 AM	44.0	42.4	05:30 AM - 05:35 AM	44.9	42.1	08:10 AM - 08:15 AM	48.0	46.0
02:55 AM - 03:00 AM	44.0	42.1	05:35 AM - 05:40 AM	44.4	42.4	08:15 AM - 08:20 AM	49.0	45.5
03:00 AM - 03:05 AM	44.1	42.2	05:40 AM - 05:45 AM	44.0	42.5	08:20 AM - 08:25 AM	48.9	46.0
03:05 AM - 03:10 AM	43.6	42.0	05:45 AM - 05:50 AM	44.4	42.6	08:25 AM - 08:30 AM	51.6	47.3
03:10 AM - 03:15 AM	45.0	42.5	05:50 AM - 05:55 AM	44.3	43.0	08:30 AM - 08:35 AM	51.0	47.1
03:15 AM - 03:20 AM	44.3	42.0	05:55 AM - 06:00 AM	45.7	43.7	08:35 AM - 08:40 AM	50.0	44.9
03:20 AM - 03:25 AM	43.9	41.9	06:00 AM - 06:05 AM	45.7	43.7	08:40 AM - 08:45 AM	50.0	45.8
03:25 AM - 03:30 AM	42.8	40.9	06:05 AM - 06:10 AM	46.3	44.0	08:45 AM - 08:50 AM	50.7	45.9
03:30 AM - 03:35 AM	42.4	40.6	06:10 AM - 06:15 AM	47.7	44.9	08:50 AM - 08:55 AM	49.4	45.0
03:35 AM - 03:40 AM	41.0	39.8	06:15 AM - 06:20 AM	45.5	43.5	08:55 AM - 09:00 AM	50.1	45.8
03:40 AM - 03:45 AM	40.5	40.5	06:20 AM - 06:25 AM	47.0	44.4	09:00 AM - 09:05 AM	51.6	47.6
03:45 AM - 03:50 AM	41.8	40.1	06:25 AM - 06:30 AM	46.1	43.5	09:05 AM - 09:10 AM	49.4	45.4
03:50 AM - 03:55 AM	42.1	41.0	06:30 AM - 06:35 AM	46.5	44.5	09:10 AM - 09:15 AM	49.1	44.8
03:55 AM - 04:00 AM	43.1	41.3	06:35 AM - 06:40 AM	46.6	43.7	09:15 AM - 09:20 AM	49.5	45.5
04:00 AM - 04:05 AM	42.5	41.6	06:40 AM - 06:45 AM	46.8	44.4	09:20 AM - 09:25 AM	50.4	46.3
04:05 AM - 04:10 AM	42.5	41.6	06:45 AM - 06:50 AM	45.6	43.5	09:25 AM - 09:30 AM	50.5	46.5
04:10 AM - 04:15 AM	42.2	41.1	06:50 AM - 06:55 AM	49.9	47.4	09:30 AM - 09:35 AM	50.0	45.6
04:15 AM - 04:20 AM	42.4	41.1	06:55 AM - 07:00 AM	47.1	45.0	09:35 AM - 09:40 AM	52.0	47.2
04:20 AM - 04:25 AM	42.1	41.1	07:00 AM - 07:05 AM	50.2	46.5	09:40 AM - 09:45 AM	50.6	45.4
04:25 AM - 04:30 AM	42.3	40.9	07:05 AM - 07:10 AM	48.1	44.9	09:45 AM - 09:50 AM	50.4	44.7
04:30 AM - 04:35 AM	42.1	40.9	07:10 AM - 07:15 AM	47.0	44.3	09:50 AM - 09:55 AM	46.1	43.1
04:35 AM - 04:40 AM	41.1	40.4	07:15 AM - 07:20 AM	49.2	45.4	09:55 AM - 10:00 AM	49.3	45.5



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599077
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3460155-1

Page 2 of 3

Sample Number 2599077-34
Parameter Noise Level (Leq 5 min)
Location ภาณุมาศ หมู่ 1 ตำบลแม่เฒ่า (อ.แม่เฒ่า) (N5) (GPS 47 0744517, 1427788)
Measurement Date Nov 21 - Nov 22, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531308

Nov 21, 2025		Nov 21, 2025		Nov 21 - Nov 22, 2025		Nov 21 - Nov 22, 2025	
Time	Leq dB(A)	Time	Leq dB(A)	Time	Leq dB(A)	Time	Leq dB(A)
06:00 PM - 06:05 PM	45.6	08:40 PM - 08:45 PM	44.8	11:20 PM - 11:25 PM	42.3	41.3	
06:05 PM - 06:10 PM	48.8	08:45 PM - 08:50 PM	44.7	11:25 PM - 11:30 PM	42.5	41.5	
06:10 PM - 06:15 PM	47.3	08:50 PM - 08:55 PM	44.9	11:30 PM - 11:35 PM	43.6	41.5	
06:15 PM - 06:20 PM	48.5	08:55 PM - 09:00 PM	44.7	11:35 PM - 11:40 PM	43.6	42.0	
06:20 PM - 06:25 PM	49.1	09:00 PM - 09:05 PM	44.3	11:40 PM - 11:45 PM	43.1	41.4	
06:25 PM - 06:30 PM	47.7	09:05 PM - 09:10 PM	43.9	11:45 PM - 11:50 PM	42.1	41.0	
06:30 PM - 06:35 PM	49.4	09:10 PM - 09:15 PM	43.6	11:50 PM - 11:55 PM	44.8	41.3	
06:35 PM - 06:40 PM	49.0	09:15 PM - 09:20 PM	44.3	11:55 PM - 12:00 AM	45.4	41.3	
06:40 PM - 06:45 PM	53.3	09:20 PM - 09:25 PM	43.9	12:00 AM - 12:05 AM	43.0	41.4	
06:45 PM - 06:50 PM	47.0	09:25 PM - 09:30 PM	43.9	12:05 AM - 12:10 AM	42.2	41.0	
06:50 PM - 06:55 PM	50.5	09:30 PM - 09:35 PM	44.3	12:10 AM - 12:15 AM	42.0	41.1	
06:55 PM - 07:00 PM	46.6	09:35 PM - 09:40 PM	44.7	12:15 AM - 12:20 AM	41.8	41.0	
07:00 PM - 07:05 PM	49.5	09:40 PM - 09:45 PM	43.8	12:20 AM - 12:25 AM	42.5	41.3	
07:05 PM - 07:10 PM	47.9	09:45 PM - 09:50 PM	43.6	12:25 AM - 12:30 AM	42.1	40.9	
07:10 PM - 07:15 PM	47.6	09:50 PM - 09:55 PM	44.1	12:30 AM - 12:35 AM	41.7	40.8	
07:15 PM - 07:20 PM	48.7	09:55 PM - 10:00 PM	44.3	12:35 AM - 12:40 AM	42.1	41.0	
07:20 PM - 07:25 PM	47.3	10:00 PM - 10:05 PM	44.5	12:40 AM - 12:45 AM	44.1	41.1	
07:25 PM - 07:30 PM	49.1	10:05 PM - 10:10 PM	43.6	12:45 AM - 12:50 AM	43.1	40.5	
07:30 PM - 07:35 PM	54.2	10:10 PM - 10:15 PM	43.8	12:50 AM - 12:55 AM	41.6	40.6	
07:35 PM - 07:40 PM	48.7	10:15 PM - 10:20 PM	43.4	12:55 AM - 01:00 AM	41.7	40.6	
07:40 PM - 07:45 PM	48.2	10:20 PM - 10:25 PM	43.0	01:00 AM - 01:05 AM	41.7	40.3	
07:45 PM - 07:50 PM	48.3	10:25 PM - 10:30 PM	44.0	01:05 AM - 01:10 AM	43.6	40.7	
07:50 PM - 07:55 PM	47.7	10:30 PM - 10:35 PM	44.1	01:10 AM - 01:15 AM	41.5	40.7	
07:55 PM - 08:00 PM	47.4	10:35 PM - 10:40 PM	43.3	01:15 AM - 01:20 AM	41.7	40.7	
08:00 PM - 08:05 PM	46.7	10:40 PM - 10:45 PM	44.9	01:20 AM - 01:25 AM	41.9	40.7	
08:05 PM - 08:10 PM	46.7	10:45 PM - 10:50 PM	46.4	01:25 AM - 01:30 AM	42.7	41.6	
08:10 PM - 08:15 PM	45.8	10:50 PM - 10:55 PM	47.5	01:30 AM - 01:35 AM	42.8	41.8	
08:15 PM - 08:20 PM	45.8	10:55 PM - 11:00 PM	44.1	01:35 AM - 01:40 AM	43.1	41.4	
08:20 PM - 08:25 PM	45.4	11:00 PM - 11:05 PM	44.2	01:40 AM - 01:45 AM	42.0	40.7	
08:25 PM - 08:30 PM	45.0	11:05 PM - 11:10 PM	42.2	01:45 AM - 01:50 AM	44.3	40.8	
08:30 PM - 08:35 PM	45.0	11:10 PM - 11:15 PM	41.5	01:50 AM - 01:55 AM	42.0	41.0	
08:35 PM - 08:40 PM	45.2	11:15 PM - 11:20 PM	42.5	01:55 AM - 02:00 AM	41.7	40.8	

The above results are valid only for the analysed/tested sample(s) as indicated in the report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Sarayuht Jitranont
Assistant General Manager

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RIGHT SOLUTIONS RIGHT PARTNER



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599077
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3460155-1

Page 3 of 3

Sample Number 2599077-34
Parameter Noise Level (Leq 5 min)
Location ภาณุมาศ หมู่ 1 ตำบลแม่เฒ่า (อ.แม่เฒ่า) (N5) (GPS 47 0744517, 1427788)
Measurement Date Nov 21 - Nov 22, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531308

Nov 22, 2025		Nov 22, 2025		Nov 22, 2025		Nov 22, 2025	
Time	Leq dB(A)	Time	Leq dB(A)	Time	Leq dB(A)	Time	Leq dB(A)
02:00 AM - 02:05 AM	42.5	04:40 AM - 04:45 AM	41.0	39.4	07:20 AM - 07:25 AM	46.8	43.0
02:05 AM - 02:10 AM	41.2	04:45 AM - 04:50 AM	41.9	39.7	07:25 AM - 07:30 AM	47.5	42.3
02:10 AM - 02:15 AM	41.5	04:50 AM - 04:55 AM	40.0	39.2	07:30 AM - 07:35 AM	50.0	44.7
02:15 AM - 02:20 AM	41.7	04:55 AM - 05:00 AM	40.2	39.3	07:35 AM - 07:40 AM	50.4	42.7
02:20 AM - 02:25 AM	42.2	05:00 AM - 05:05 AM	40.5	39.4	07:40 AM - 07:45 AM	47.9	43.4
02:25 AM - 02:30 AM	41.6	05:05 AM - 05:10 AM	42.3	40.0	07:45 AM - 07:50 AM	50.0	43.1
02:30 AM - 02:35 AM	42.7	05:10 AM - 05:15 AM	41.6	39.9	07:50 AM - 07:55 AM	51.2	43.6
02:35 AM - 02:40 AM	42.9	05:15 AM - 05:20 AM	42.8	40.5	07:55 AM - 08:00 AM	50.7	42.8
02:40 AM - 02:45 AM	45.6	05:20 AM - 05:25 AM	42.7	40.3	08:00 AM - 08:05 AM	50.7	43.2
02:45 AM - 02:50 AM	43.6	05:25 AM - 05:30 AM	43.8	41.2	08:05 AM - 08:10 AM	51.6	45.5
02:50 AM - 02:55 AM	43.5	05:30 AM - 05:35 AM	44.8	41.3	08:10 AM - 08:15 AM	50.3	44.7
02:55 AM - 03:00 AM	41.9	05:35 AM - 05:40 AM	41.6	40.2	08:15 AM - 08:20 AM	50.3	44.2
03:00 AM - 03:05 AM	41.5	05:40 AM - 05:45 AM	43.2	41.2	08:20 AM - 08:25 AM	47.7	43.2
03:05 AM - 03:10 AM	41.7	05:45 AM - 05:50 AM	42.1	40.9	08:25 AM - 08:30 AM	50.4	43.8
03:10 AM - 03:15 AM	41.3	05:50 AM - 05:55 AM	42.1	41.0	08:30 AM - 08:35 AM	53.2	43.8
03:15 AM - 03:20 AM	41.2	05:55 AM - 06:00 AM	43.5	41.2	08:35 AM - 08:40 AM	53.5	43.3
03:20 AM - 03:25 AM	40.4	06:00 AM - 06:05 AM	42.3	40.4	08:40 AM - 08:45 AM	51.9	43.9
03:25 AM - 03:30 AM	42.6	06:05 AM - 06:10 AM	43.4	41.1	08:45 AM - 08:50 AM	46.9	44.0
03:30 AM - 03:35 AM	40.6	06:10 AM - 06:15 AM	43.7	40.8	08:50 AM - 08:55 AM	50.6	43.9
03:35 AM - 03:40 AM	40.6	06:15 AM - 06:20 AM	42.8	41.1	08:55 AM - 09:00 AM	52.8	44.3
03:40 AM - 03:45 AM	47.6	06:20 AM - 06:25 AM	44.5	41.2	09:00 AM - 09:05 AM	46.7	42.9
03:45 AM - 03:50 AM	40.9	06:25 AM - 06:30 AM	46.2	41.6	09:05 AM - 09:10 AM	50.2	42.8
03:50 AM - 03:55 AM	40.6	06:30 AM - 06:35 AM	42.1	41.0	09:10 AM - 09:15 AM	50.9	43.3
03:55 AM - 04:00 AM	40.0	06:35 AM - 06:40 AM	43.1	40.5	09:15 AM - 09:20 AM	51.4	42.2
04:00 AM - 04:05 AM	40.9	06:40 AM - 06:45 AM	43.6	41.0	09:20 AM - 09:25 AM	50.7	44.2
04:05 AM - 04:10 AM	40.2	06:45 AM - 06:50 AM	43.3	41.0	09:25 AM - 09:30 AM	49.0	44.6
04:10 AM - 04:15 AM	40.8	06:50 AM - 06:55 AM	43.2	41.4	09:30 AM - 09:35 AM	48.4	43.5
04:15 AM - 04:20 AM	41.6	06:55 AM - 07:00 AM	46.4	41.4	09:35 AM - 09:40 AM	46.4	43.4
04:20 AM - 04:25 AM	41.1	07:00 AM - 07:05 AM	46.1	43.7	09:40 AM - 09:45 AM	46.3	43.8
04:25 AM - 04:30 AM	41.1	07:05 AM - 07:10 AM	46.6	42.8	09:45 AM - 09:50 AM	50.4	45.1
04:30 AM - 04:35 AM	43.8	07:10 AM - 07:15 AM	45.8	42.1	09:50 AM - 09:55 AM	50.2	42.9
04:35 AM - 04:40 AM	40.8	07:15 AM - 07:20 AM	46.8	43.4	09:55 AM - 10:00 AM	53.3	45.9

The above results are valid only for the analysed/tested sample(s) as indicated in the report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Sarayuht Jitranont
Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599077
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3460156-1

Page 1 of 3

Sample Number 2599077-35
Parameter Noise Level (Leq 5 min)
Location ภาณุมาศ หมู่ 1 ตำบลแม่เฒ่า (อ.แม่เฒ่า) (N5) (GPS 47 0744517, 1427788)
Measurement Date Nov 22 - Nov 23, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531308

Nov 22, 2025		L90		Nov 22, 2025		L90		Nov 22, 2025		L90	
Time	Leq	dB(A)	Time	Leq	dB(A)	Time	Leq	dB(A)	Time	Leq	dB(A)
10:00 AM - 10:05 AM	52.4	45.1	12:40 PM - 12:45 PM	40.7	38.6	03:20 PM - 03:25 PM	46.5	40.4			
10:05 AM - 10:10 AM	48.8	43.1	12:45 PM - 12:50 PM	41.2	38.0	03:25 PM - 03:30 PM	43.5	41.4			
10:10 AM - 10:15 AM	46.8	43.8	12:50 PM - 12:55 PM	41.3	39.2	03:30 PM - 03:35 PM	43.2	41.2			
10:15 AM - 10:20 AM	50.3	45.0	12:55 PM - 01:00 PM	42.9	40.8	03:35 PM - 03:40 PM	42.7	40.6			
10:20 AM - 10:25 AM	46.2	40.7	01:00 PM - 01:05 PM	42.0	40.5	03:40 PM - 03:45 PM	44.3	40.9			
10:25 AM - 10:30 AM	45.7	43.6	01:05 PM - 01:10 PM	43.0	40.8	03:45 PM - 03:50 PM	45.7	41.9			
10:30 AM - 10:35 AM	45.1	42.9	01:10 PM - 01:15 PM	42.8	40.8	03:50 PM - 03:55 PM	49.1	41.6			
10:35 AM - 10:40 AM	46.5	44.0	01:15 PM - 01:20 PM	43.7	41.4	03:55 PM - 04:00 PM	45.8	41.8			
10:40 AM - 10:45 AM	44.4	42.8	01:20 PM - 01:25 PM	46.5	41.9	04:00 PM - 04:05 PM	45.8	41.7			
10:45 AM - 10:50 AM	44.0	41.2	01:25 PM - 01:30 PM	43.7	41.3	04:05 PM - 04:10 PM	42.6	40.7			
10:50 AM - 10:55 AM	45.4	43.2	01:30 PM - 01:35 PM	42.8	41.2	04:10 PM - 04:15 PM	42.8	41.3			
10:55 AM - 11:00 AM	44.4	42.2	01:35 PM - 01:40 PM	42.0	40.8	04:15 PM - 04:20 PM	42.5	40.9			
11:00 AM - 11:05 AM	46.6	43.1	01:40 PM - 01:45 PM	42.7	41.0	04:20 PM - 04:25 PM	42.6	41.2			
11:05 AM - 11:10 AM	45.2	42.1	01:45 PM - 01:50 PM	46.3	41.8	04:25 PM - 04:30 PM	43.3	41.7			
11:10 AM - 11:15 AM	44.4	41.1	01:50 PM - 01:55 PM	43.4	42.2	04:30 PM - 04:35 PM	43.0	41.1			
11:15 AM - 11:20 AM	47.2	42.3	01:55 PM - 02:00 PM	43.5	41.6	04:35 PM - 04:40 PM	42.7	41.3			
11:20 AM - 11:25 AM	47.2	42.7	02:00 PM - 02:05 PM	44.3	42.5	04:40 PM - 04:45 PM	48.4	41.8			
11:25 AM - 11:30 AM	46.1	42.7	02:05 PM - 02:10 PM	44.3	42.3	04:45 PM - 04:50 PM	49.1	42.5			
11:30 AM - 11:35 AM	48.9	42.6	02:10 PM - 02:15 PM	43.8	41.7	04:50 PM - 04:55 PM	43.0	41.1			
11:35 AM - 11:40 AM	50.0	43.8	02:15 PM - 02:20 PM	44.3	42.1	04:55 PM - 05:00 PM	45.7	41.8			
11:40 AM - 11:45 AM	46.3	42.7	02:20 PM - 02:25 PM	44.3	42.1	05:00 PM - 05:05 PM	42.2	39.9			
11:45 AM - 11:50 AM	43.2	41.4	02:25 PM - 02:30 PM	44.4	42.4	05:05 PM - 05:10 PM	44.4	40.1			
11:50 AM - 11:55 AM	42.7	40.1	02:30 PM - 02:35 PM	44.5	42.4	05:10 PM - 05:15 PM	44.1	41.0			
11:55 AM - 12:00 PM	42.9	40.9	02:35 PM - 02:40 PM	44.2	41.7	05:15 PM - 05:20 PM	45.2	42.2			
12:00 PM - 12:05 PM	44.2	41.0	02:40 PM - 02:45 PM	44.9	41.4	05:20 PM - 05:25 PM	42.6	40.8			
12:05 PM - 12:10 PM	42.2	40.1	02:45 PM - 02:50 PM	43.5	41.5	05:25 PM - 05:30 PM	44.4	42.3			
12:10 PM - 12:15 PM	42.6	40.8	02:50 PM - 02:55 PM	43.2	41.7	05:30 PM - 05:35 PM	43.8	41.7			
12:15 PM - 12:20 PM	43.3	39.3	02:55 PM - 03:00 PM	42.9	40.7	05:35 PM - 05:40 PM	44.8	42.7			
12:20 PM - 12:25 PM	42.9	40.7	03:00 PM - 03:05 PM	41.6	39.7	05:40 PM - 05:45 PM	45.2	42.6			
12:25 PM - 12:30 PM	42.3	40.3	03:05 PM - 03:10 PM	41.3	39.9	05:45 PM - 05:50 PM	43.2	40.3			
12:30 PM - 12:35 PM	40.5	37.9	03:10 PM - 03:15 PM	42.6	39.3	05:50 PM - 05:55 PM	44.1	42.7			
12:35 PM - 12:40 PM	41.1	38.7	03:15 PM - 03:20 PM	42.6	40.8	05:55 PM - 06:00 PM	46.6	42.9			



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599077
Date Received : Nov 24, 2025
Date Reported : Nov 29, 2025
Report Number : 3460156-1

Page 3 of 3

Sample Number : 2599077-35
Parameter : Noise Level (Leq 5 min)
Location : บ้านฉางแอมเพอร์ในโครงการท่าเทียบเรือในเขตอุตสาหกรรมภาค 4 (N6) (GPS 47P 0744517, 1427889)
Measurement Date : Nov 22 - Nov 23, 2025
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 531308

Nov 23, 2025			Nov 23, 2025			Nov 23, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
02:00 AM - 02:05 AM	40.2	39.0	04:40 AM - 04:45 AM	44.5	39.6	07:20 AM - 07:25 AM	44.4	40.5
02:05 AM - 02:10 AM	40.0	40.0	04:45 AM - 04:50 AM	45.1	40.0	07:25 AM - 07:30 AM	43.3	40.5
02:10 AM - 02:15 AM	40.7	39.3	04:50 AM - 04:55 AM	45.3	40.4	07:30 AM - 07:35 AM	44.0	41.6
02:15 AM - 02:20 AM	40.7	39.1	04:55 AM - 05:00 AM	44.3	39.5	07:35 AM - 07:40 AM	43.8	41.4
02:20 AM - 02:25 AM	41.0	39.6	05:00 AM - 05:05 AM	45.1	39.2	07:40 AM - 07:45 AM	47.0	41.9
02:25 AM - 02:30 AM	41.3	39.7	05:05 AM - 05:10 AM	46.6	39.8	07:45 AM - 07:50 AM	44.1	41.2
02:30 AM - 02:35 AM	43.6	40.1	05:10 AM - 05:15 AM	44.1	39.2	07:50 AM - 07:55 AM	42.4	39.6
02:35 AM - 02:40 AM	42.3	40.1	05:15 AM - 05:20 AM	44.9	40.0	07:55 AM - 08:00 AM	42.7	40.5
02:40 AM - 02:45 AM	40.9	39.7	05:20 AM - 05:25 AM	45.3	40.5	08:00 AM - 08:05 AM	45.0	41.8
02:45 AM - 02:50 AM	43.4	39.4	05:25 AM - 05:30 AM	44.4	40.3	08:05 AM - 08:10 AM	42.0	39.9
02:50 AM - 02:55 AM	40.8	39.5	05:30 AM - 05:35 AM	44.6	40.0	08:10 AM - 08:15 AM	44.5	40.8
02:55 AM - 03:00 AM	40.0	39.2	05:35 AM - 05:40 AM	47.4	40.6	08:15 AM - 08:20 AM	42.4	40.2
03:00 AM - 03:05 AM	41.6	39.8	05:40 AM - 05:45 AM	47.2	40.9	08:20 AM - 08:25 AM	43.3	40.4
03:05 AM - 03:10 AM	39.7	38.8	05:45 AM - 05:50 AM	44.9	41.6	08:25 AM - 08:30 AM	43.3	41.0
03:10 AM - 03:15 AM	39.1	38.2	05:50 AM - 05:55 AM	59.7	40.3	08:30 AM - 08:35 AM	44.0	41.2
03:15 AM - 03:20 AM	44.4	39.1	05:55 AM - 06:00 AM	48.9	40.5	08:35 AM - 08:40 AM	41.4	39.2
03:20 AM - 03:25 AM	43.5	40.4	06:00 AM - 06:05 AM	45.1	40.4	08:40 AM - 08:45 AM	43.0	40.9
03:25 AM - 03:30 AM	42.0	38.7	06:05 AM - 06:10 AM	46.4	41.7	08:45 AM - 08:50 AM	43.5	40.7
03:30 AM - 03:35 AM	41.4	38.1	06:10 AM - 06:15 AM	44.1	40.7	08:50 AM - 08:55 AM	43.9	40.5
03:35 AM - 03:40 AM	43.4	38.5	06:15 AM - 06:20 AM	43.3	41.0	08:55 AM - 09:00 AM	43.3	40.9
03:40 AM - 03:45 AM	42.0	39.2	06:20 AM - 06:25 AM	43.5	40.7	09:00 AM - 09:05 AM	44.2	41.4
03:45 AM - 03:50 AM	43.1	38.2	06:25 AM - 06:30 AM	44.6	40.7	09:05 AM - 09:10 AM	43.0	40.0
03:50 AM - 03:55 AM	43.2	38.6	06:30 AM - 06:35 AM	42.4	40.4	09:10 AM - 09:15 AM	42.9	40.4
03:55 AM - 04:00 AM	42.9	38.3	06:35 AM - 06:40 AM	42.7	40.8	09:15 AM - 09:20 AM	41.8	40.0
04:00 AM - 04:05 AM	44.2	38.4	06:40 AM - 06:45 AM	43.0	41.1	09:20 AM - 09:25 AM	41.4	38.8
04:05 AM - 04:10 AM	42.9	38.9	06:45 AM - 06:50 AM	43.8	41.2	09:25 AM - 09:30 AM	42.3	40.6
04:10 AM - 04:15 AM	44.1	40.5	06:50 AM - 06:55 AM	46.3	41.5	09:30 AM - 09:35 AM	41.2	39.5
04:15 AM - 04:20 AM	44.2	39.5	06:55 AM - 07:00 AM	43.2	41.4	09:35 AM - 09:40 AM	40.7	39.1
04:20 AM - 04:25 AM	43.5	39.3	07:00 AM - 07:05 AM	43.7	42.3	09:40 AM - 09:45 AM	41.5	39.0
04:25 AM - 04:30 AM	44.6	39.6	07:05 AM - 07:10 AM	45.3	42.6	09:45 AM - 09:50 AM	41.9	38.9
04:30 AM - 04:35 AM	44.2	39.0	07:10 AM - 07:15 AM	45.3	41.1	09:50 AM - 09:55 AM	40.8	39.1
04:35 AM - 04:40 AM	44.9	39.5	07:15 AM - 07:20 AM	43.5	41.2	09:55 AM - 10:00 AM	43.8	40.6

Approved by
Sarayuth Jitranont
Assistant General Manager

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599077
Date Received : Nov 24, 2025
Date Reported : Nov 29, 2025
Report Number : 3460157-1

Page 2 of 3

Sample Number : 2599077-36
Parameter : Noise Level (Leq 5 min)
Location : บ้านฉางแอมเพอร์ในโครงการท่าเทียบเรือในเขตอุตสาหกรรมภาค 4 (N6) (GPS 47P 0744953, 1428691)
Measurement Date : Nov 16 - Nov 17, 2025
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 531294

Nov 16, 2025			Nov 16, 2025			Nov 16 - Nov 17, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
05:00 PM - 05:05 PM	49.5	47.6	08:40 PM - 08:45 PM	53.4	49.2	11:20 PM - 11:25 PM	47.9	46.3
05:05 PM - 05:10 PM	49.2	47.8	08:45 PM - 08:50 PM	55.8	51.1	11:25 PM - 11:30 PM	47.9	46.5
05:10 PM - 05:15 PM	50.6	49.4	08:50 PM - 08:55 PM	50.9	49.3	11:30 PM - 11:35 PM	48.6	47.1
05:15 PM - 05:20 PM	51.1	50.1	08:55 PM - 09:00 PM	52.2	48.5	11:35 PM - 11:40 PM	47.8	46.5
05:20 PM - 05:25 PM	51.2	50.2	09:00 PM - 09:05 PM	51.7	48.4	11:40 PM - 11:45 PM	49.5	47.1
05:25 PM - 05:30 PM	50.9	50.3	09:05 PM - 09:10 PM	52.9	49.1	11:45 PM - 11:50 PM	50.7	48.4
05:30 PM - 05:35 PM	51.1	50.1	09:10 PM - 09:15 PM	54.3	49.5	11:50 PM - 11:55 PM	51.2	48.8
05:35 PM - 05:40 PM	58.8	51.0	09:15 PM - 09:20 PM	54.8	50.8	11:55 PM - 12:00 AM	53.8	49.7
05:40 PM - 05:45 PM	52.9	58.3	09:20 PM - 09:25 PM	54.2	50.3	12:00 AM - 12:05 AM	51.9	49.8
05:45 PM - 05:50 PM	61.5	56.5	09:25 PM - 09:30 PM	48.9	46.9	12:05 AM - 12:10 AM	51.8	49.8
05:50 PM - 05:55 PM	60.3	56.5	09:30 PM - 09:35 PM	48.5	46.6	12:10 AM - 12:15 AM	50.8	47.6
05:55 PM - 06:00 PM	59.2	55.1	09:35 PM - 09:40 PM	49.1	47.0	12:15 AM - 12:20 AM	49.4	47.1
07:00 PM - 07:05 PM	55.5	51.5	09:40 PM - 09:45 PM	48.6	46.6	12:20 AM - 12:25 AM	48.6	47.3
07:05 PM - 07:10 PM	56.2	52.5	09:45 PM - 09:50 PM	49.3	47.5	12:25 AM - 12:30 AM	51.8	48.4
07:10 PM - 07:15 PM	53.6	50.7	09:50 PM - 09:55 PM	47.8	46.2	12:30 AM - 12:35 AM	56.1	52.6
07:15 PM - 07:20 PM	51.7	49.7	09:55 PM - 10:00 PM	48.4	46.6	12:35 AM - 12:40 AM	55.9	52.0
07:20 PM - 07:25 PM	52.9	49.2	10:00 PM - 10:05 PM	50.0	47.2	12:40 AM - 12:45 AM	53.5	51.1
07:25 PM - 07:30 PM	52.5	50.0	10:05 PM - 10:10 PM	52.1	50.8	12:45 AM - 12:50 AM	53.0	50.4
07:30 PM - 07:35 PM	54.7	50.2	10:10 PM - 10:15 PM	49.0	44.8	12:50 AM - 12:55 AM	53.6	51.6
07:35 PM - 07:40 PM	55.7	50.9	10:15 PM - 10:20 PM	46.4	44.2	12:55 AM - 01:00 AM	51.4	49.2
07:40 PM - 07:45 PM	52.7	49.0	10:20 PM - 10:25 PM	47.5	44.9	01:00 AM - 01:05 AM	50.6	48.8
07:45 PM - 07:50 PM	50.0	48.7	10:25 PM - 10:30 PM	47.2	44.0	01:05 AM - 01:10 AM	50.7	48.8
07:50 PM - 07:55 PM	51.8	49.4	10:30 PM - 10:35 PM	47.2	44.8	01:10 AM - 01:15 AM	49.4	47.5
07:55 PM - 08:00 PM	50.3	48.8	10:35 PM - 10:40 PM	48.4	46.1	01:15 AM - 01:20 AM	49.4	47.4
08:00 PM - 08:05 PM	51.6	49.0	10:40 PM - 10:45 PM	47.9	45.8	01:20 AM - 01:25 AM	50.3	48.1
08:05 PM - 08:10 PM	54.6	50.7	10:45 PM - 10:50 PM	47.4	45.9	01:25 AM - 01:30 AM	51.2	49.4
08:10 PM - 08:15 PM	55.9	52.1	10:50 PM - 10:55 PM	47.4	45.5	01:30 AM - 01:35 AM	50.9	49.4
08:15 PM - 08:20 PM	58.2	53.0	10:55 PM - 11:00 PM	49.4	46.2	01:35 AM - 01:40 AM	49.4	46.0
08:20 PM - 08:25 PM	54.6	51.7	11:00 PM - 11:05 PM	50.0	46.4	01:40 AM - 01:45 AM	48.3	46.0
08:25 PM - 08:30 PM	58.9	53.6	11:05 PM - 11:10 PM	49.0	46.2	01:45 AM - 01:50 AM	49.7	47.1
08:30 PM - 08:35 PM	57.1	52.5	11:10 PM - 11:15 PM	48.4	46.2	01:50 AM - 01:55 AM	49.7	47.4
08:35 PM - 08:40 PM	54.0	51.4	11:15 PM - 11:20 PM	48.3	46.4	01:55 AM - 02:00 AM	48.1	46.2

Approved by
Sarayuth Jitranont
Assistant General Manager

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599077
Date Received : Nov 24, 2025
Date Reported : Nov 29, 2025
Report Number : 3460157-1

Page 1 of 3

Sample Number : 2599077-36
Parameter : Noise Level (Leq 5 min)
Location : บ้านฉางแอมเพอร์ในโครงการท่าเทียบเรือในเขตอุตสาหกรรมภาค 4 (N6) (GPS 47P 0744953, 1428691)
Measurement Date : Nov 16 - Nov 17, 2025
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 531294

Nov 16, 2025			Nov 16, 2025			Nov 16, 2025		
Time	Leq	L90	Time	Leq	L90	Time	Leq	L90
	dB(A)	dB(A)		dB(A)	dB(A)		dB(A)	dB(A)
10:00 AM - 10:05 AM	47.8	45.3	12:40 PM - 12:45 PM	51.7	46.5	03:20 PM - 03:25 PM	52.1	48.2
10:05 AM - 10:10 AM	49.0	46.1	12:45 PM - 12:50 PM	52.2	48.1	03:25 PM - 03:30 PM	52.4	48.4
10:10 AM - 10:15 AM	47.1	45.2	12:50 PM - 12:55 PM	52.5	47.2	03:30 PM - 03:35 PM	50.8	46.1
10:15 AM - 10:20 AM	46.8	44.4	12:55 PM - 01:00 PM	55.9	44.8	03:35 PM - 03:40 PM	50.8	45.9
10:20 AM - 10:25 AM	48.9	45.0	01:00 PM - 01:05 PM	53.6	48.9	03:40 PM - 03:45 PM	50.9	47.5
10:25 AM - 10:30 AM	49.4	45.8	01:05 PM - 01:10 PM	49.8	46.7	03:45 PM - 03:50 PM	52.9	48.9
10:30 AM - 10:35 AM	47.0	44.4	01:10 PM - 01:15 PM	50.5	45.8	03:50 PM - 03:55 PM	52.0	48.7
10:35 AM - 10:40 AM	47.0	43.5	01:15 PM - 01:20 PM	51.4	44.8	03:55 PM - 04:00 PM	49.2	46.7
10:40 AM - 10:45 AM	46.1	43.2	01:20 PM - 01:25 PM	53.0	47.9	04:00 PM - 04:05 PM	47.6	44.4
10:45 AM - 10:50 AM	46.0	43.7	01:25 PM - 01:30 PM	54.3	50.3	04:05 PM - 04:10 PM	47.9	45.1
10:50 AM - 10:55 AM	46.7	44.1	01:30 PM - 01:35 PM	49.4	45.4	04:10 PM - 04:15 PM	50.9	47.3
10:55 AM - 11:00 AM	48.0	45.1	01:35 PM - 01:40 PM	48.9	45.3	04:15 PM - 04:20 PM	49.5	46.5
11:00 AM - 11:05 AM	48.8	46.5	01:40 PM - 01:45 PM	52.7	47.9	04:20 PM - 04:25 PM	49.2	46.0
11:05 AM - 11:10 AM	49.8	46.9	01:45 PM - 01:50 PM	48.0	45.4	04:25 PM - 04:30 PM	50.3	47.6
11:10 AM - 11:15 AM	49.7	46.3	01:50 PM - 01:55 PM	50.4	45.6	04:30 PM - 04:35 PM	48.2	45.5
11:15 AM - 11:20 AM	51.3	46.7	01:55 PM - 02:00 PM	48.6	44.4	04:35 PM - 04:40 PM	48.2	45.9
11:20 AM - 11:25 AM	49.7	47.4	02:00 PM - 02:05 PM	52.2	48.9	04:40 PM - 04:45 PM	48.8	45.7
11:25 AM - 11:30 AM	50.8	46.1	02:05 PM - 02:10 PM	51.2	47.3	04:45 PM - 04:50 PM	46.1	44.3
11:30 AM - 11:35 AM	50.4	44.7	02:10 PM - 02:15 PM	48.4	44.7	04:50 PM - 04:55 PM	47.6	44.8
11:35 AM - 11:40 AM	49.8	45.8	02:15 PM - 02:20 PM	51.0	47.0	04:55 PM - 05:00 PM	50.1	47.6
11:40 AM - 11:45 AM	48.8	45.5	02:20 PM - 02:25 PM	51.1	46.1	05:00 PM - 05:05 PM	51.6	48.4
11:45 AM - 11:50 AM	48.5	44.6	02:25 PM - 02:30 PM	51.5	45.8	05:05 PM - 05:10 PM	49.8	47.4
11:50 AM - 11:55 AM	48.9	44.5	02:30 PM - 02:35 PM	49.7	44.1	05:10 PM - 05:15 PM	49.5	46.6
11:55 AM - 12:00 AM	48.0	43.8	02:35 PM - 02:40 PM	48.7	44.5	05:15 PM - 05:20 PM	50.3	46.7
12:00 AM - 12:05 PM	50.8	46.2	02:40 PM - 02:45 PM	51.5	45.5	05:20 PM - 05:25 PM	51.2	48.0
12:05 PM - 12:10 PM	48.5	45.6	02:45 PM - 02:50 PM	48.4	44.9	05:25 PM - 05:30 PM	48.4	45.8
12:10 PM - 12:15 PM	50.2	46.0	02:50 PM - 02:55 PM	49.6	46.9	05:30 PM - 05:35 PM	48.4	46.2
12:15 PM - 12:20 PM	49.4	43.6	02:55 PM - 03:00 PM	52.1	48.8	05:35 PM - 05:40 PM	52.6	48.3
12:20 PM - 12:25 PM	47.5	44.2	03:00 PM - 03:05 PM	50.8	45.8	05:40 PM - 05:45 PM	48.7	46.5
12:25 PM - 12:30 PM	51.2	46.6	03:05 PM - 03:10 PM	49.5	46.8	05:45 PM - 05:50 PM	48.7	46.8
12:30 PM - 12:35 PM	51.8	46.6	03:10 PM - 03:15 PM	50.7	45.7	05:50 PM - 05:55 PM	47.7	45.5
12:35 PM - 12:40 PM	52.1	47.7	03:15 PM - 03:20 PM	52.3	48.5	05:55 PM - 06:00 PM	50.2	46.6



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023

Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number
Parameter

Noise Level (Leq 5 min)

Location : บ้านฉางอะลูมิเนียมในโครงการบ้านพักและรวมกลุ่มในชุมชนภาคใต้ (N6) (GPS 47P 0744953, 1428691)

Measurement Date : Nov 17 - Nov 18, 2025

Measurement by : Apichart Wilars
Sound Level meter : Serial No. 531294

Page 1 of 3

Nov 17, 2025			Nov 17, 2025			Nov 17, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
10:00 AM - 10:05 AM	52.8	49.0	12:40 PM - 12:45 PM	49.5	47.2	03:20 PM - 03:25 PM	48.8	46.6
10:05 AM - 10:10 AM	50.3	47.2	12:45 PM - 12:50 PM	47.7	45.3	03:25 PM - 03:30 PM	51.4	49.6
10:10 AM - 10:15 AM	49.7	46.4	12:50 PM - 12:55 PM	46.3	44.1	03:30 PM - 03:35 PM	50.8	49.1
10:15 AM - 10:20 AM	50.1	47.8	12:55 PM - 01:00 PM	46.9	44.7	03:35 PM - 03:40 PM	50.6	49.1
10:20 AM - 10:25 AM	51.8	49.7	01:00 PM - 01:05 PM	45.6	44.3	03:40 PM - 03:45 PM	48.5	46.9
10:25 AM - 10:30 AM	51.8	50.1	01:05 PM - 01:10 PM	45.9	44.0	03:45 PM - 03:50 PM	49.2	46.9
10:30 AM - 10:35 AM	51.1	47.7	01:10 PM - 01:15 PM	45.9	43.4	03:50 PM - 03:55 PM	47.1	45.7
10:35 AM - 10:40 AM	50.2	48.5	01:15 PM - 01:20 PM	47.2	45.1	03:55 PM - 04:00 PM	46.3	44.9
10:40 AM - 10:45 AM	49.0	47.3	01:20 PM - 01:25 PM	48.5	46.5	04:00 PM - 04:05 PM	47.2	45.8
10:45 AM - 10:50 AM	50.4	47.4	01:25 PM - 01:30 PM	46.6	45.0	04:05 PM - 04:10 PM	47.5	45.4
10:50 AM - 10:55 AM	50.4	46.5	01:30 PM - 01:35 PM	45.9	44.3	04:10 PM - 04:15 PM	46.7	44.7
10:55 AM - 11:00 AM	50.5	47.9	01:35 PM - 01:40 PM	45.2	43.8	04:15 PM - 04:20 PM	46.9	44.5
11:00 AM - 11:05 AM	54.7	50.5	01:40 PM - 01:45 PM	45.4	43.8	04:20 PM - 04:25 PM	47.0	44.8
11:05 AM - 11:10 AM	51.5	49.3	01:45 PM - 01:50 PM	44.8	43.1	04:25 PM - 04:30 PM	47.2	45.5
11:10 AM - 11:15 AM	50.6	48.8	01:50 PM - 01:55 PM	44.9	43.2	04:30 PM - 04:35 PM	46.8	45.3
11:15 AM - 11:20 AM	49.9	47.7	01:55 PM - 02:00 PM	45.8	44.0	04:35 PM - 04:40 PM	47.0	44.8
11:20 AM - 11:25 AM	50.8	47.1	02:00 PM - 02:05 PM	44.3	42.4	04:40 PM - 04:45 PM	48.2	45.0
11:25 AM - 11:30 AM	49.1	45.9	02:05 PM - 02:10 PM	47.4	43.6	04:45 PM - 04:50 PM	46.0	44.1
11:30 AM - 11:35 AM	49.0	46.0	02:10 PM - 02:15 PM	47.2	44.9	04:50 PM - 04:55 PM	46.9	43.6
11:35 AM - 11:40 AM	49.4	46.4	02:15 PM - 02:20 PM	47.6	45.8	04:55 PM - 05:00 PM	46.4	43.2
11:40 AM - 11:45 AM	48.8	44.9	02:20 PM - 02:25 PM	46.5	44.6	05:00 PM - 05:05 PM	47.8	43.5
11:45 AM - 11:50 AM	47.8	45.5	02:25 PM - 02:30 PM	46.0	44.8	05:05 PM - 05:10 PM	44.8	43.4
11:50 AM - 11:55 AM	48.2	45.0	02:30 PM - 02:35 PM	45.5	44.3	05:10 PM - 05:15 PM	44.8	43.4
11:55 AM - 12:00 PM	45.9	43.6	02:35 PM - 02:40 PM	46.1	44.8	05:15 PM - 05:20 PM	46.4	43.4
12:00 PM - 12:05 PM	48.0	45.0	02:40 PM - 02:45 PM	45.9	44.5	05:20 PM - 05:25 PM	45.1	43.2
12:05 PM - 12:10 PM	46.0	44.0	02:45 PM - 02:50 PM	45.3	43.6	05:25 PM - 05:30 PM	44.7	43.1
12:10 PM - 12:15 PM	48.0	45.0	02:50 PM - 02:55 PM	45.8	44.2	05:30 PM - 05:35 PM	44.8	43.5
12:15 PM - 12:20 PM	46.3	44.6	02:55 PM - 03:00 PM	46.5	44.6	05:35 PM - 05:40 PM	46.3	44.1
12:20 PM - 12:25 PM	47.2	45.3	03:00 PM - 03:05 PM	48.3	46.2	05:40 PM - 05:45 PM	46.9	45.0
12:25 PM - 12:30 PM	48.2	45.5	03:05 PM - 03:10 PM	48.9	46.2	05:45 PM - 05:50 PM	47.9	45.6
12:30 PM - 12:35 PM	52.0	48.1	03:10 PM - 03:15 PM	47.9	45.9	05:50 PM - 05:55 PM	46.4	44.5
12:35 PM - 12:40 PM	50.4	47.0	03:15 PM - 03:20 PM	47.5	45.6	05:55 PM - 06:00 PM	46.0	44.7

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Approved by

Sarayuht Jitranont
Assistant General Manager

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RIGHT SOLUTIONS RIGHT PARTNER



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023

Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number
Parameter

Noise Level (Leq 5 min)

Location : บ้านฉางอะลูมิเนียมในโครงการบ้านพักและรวมกลุ่มในชุมชนภาคใต้ (N6) (GPS 47P 0744953, 1428691)

Measurement Date : Nov 17 - Nov 18, 2025

Measurement by : Apichart Wilars
Sound Level meter : Serial No. 531294

Page 2 of 3

Nov 17, 2025			Nov 17, 2025			Nov 17 - Nov 18, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
06:00 PM - 06:05 PM	46.5	44.9	08:40 PM - 08:45 PM	47.5	46.4	11:20 PM - 11:25 PM	47.2	45.9
06:05 PM - 06:10 PM	47.3	45.8	08:45 PM - 08:50 PM	49.3	47.6	11:25 PM - 11:30 PM	47.9	46.1
06:10 PM - 06:15 PM	48.6	46.4	08:50 PM - 08:55 PM	48.2	46.8	11:30 PM - 11:35 PM	48.9	47.3
06:15 PM - 06:20 PM	50.6	49.0	08:55 PM - 09:00 PM	48.6	47.1	11:35 PM - 11:40 PM	48.0	46.6
06:20 PM - 06:25 PM	52.1	50.9	09:00 PM - 09:05 PM	47.9	46.6	11:40 PM - 11:45 PM	48.5	46.9
06:25 PM - 06:30 PM	53.2	52.0	09:05 PM - 09:10 PM	47.6	46.4	11:45 PM - 11:50 PM	47.9	46.3
06:30 PM - 06:35 PM	52.8	51.6	09:10 PM - 09:15 PM	47.4	45.9	11:50 PM - 11:55 PM	48.1	46.6
06:35 PM - 06:40 PM	52.1	51.0	09:15 PM - 09:20 PM	46.4	45.3	11:55 PM - 12:00 AM	48.7	46.9
06:40 PM - 06:45 PM	53.0	50.9	09:20 PM - 09:25 PM	47.5	46.0	12:00 AM - 12:05 AM	49.1	47.4
06:45 PM - 06:50 PM	52.9	50.3	09:25 PM - 09:30 PM	47.1	46.0	12:05 AM - 12:10 AM	49.7	48.0
06:50 PM - 06:55 PM	53.1	49.6	09:30 PM - 09:35 PM	47.5	46.4	12:10 AM - 12:15 AM	50.6	48.3
06:55 PM - 07:00 PM	54.6	52.4	09:35 PM - 09:40 PM	47.9	46.6	12:15 AM - 12:20 AM	49.7	47.9
07:00 PM - 07:05 PM	51.8	49.3	09:40 PM - 09:45 PM	48.5	46.9	12:20 AM - 12:25 AM	49.9	48.7
07:05 PM - 07:10 PM	55.7	51.1	09:45 PM - 09:50 PM	48.5	47.2	12:25 AM - 12:30 AM	51.2	49.5
07:10 PM - 07:15 PM	56.4	49.9	09:50 PM - 09:55 PM	48.2	46.9	12:30 AM - 12:35 AM	49.8	47.9
07:15 PM - 07:20 PM	50.9	49.5	09:55 PM - 10:00 PM	48.9	47.2	12:35 AM - 12:40 AM	51.2	48.5
07:20 PM - 07:25 PM	50.5	48.8	10:00 PM - 10:05 PM	50.0	48.8	12:40 AM - 12:45 AM	52.0	49.6
07:25 PM - 07:30 PM	51.5	48.7	10:05 PM - 10:10 PM	49.4	47.9	12:45 AM - 12:50 AM	50.7	48.6
07:30 PM - 07:35 PM	51.0	48.7	10:10 PM - 10:15 PM	48.3	47.0	12:50 AM - 12:55 AM	50.1	48.2
07:35 PM - 07:40 PM	50.3	48.6	10:15 PM - 10:20 PM	48.0	46.9	12:55 AM - 01:00 AM	49.9	48.0
07:40 PM - 07:45 PM	49.3	47.9	10:20 PM - 10:25 PM	49.6	47.2	01:00 AM - 01:05 AM	48.7	47.4
07:45 PM - 07:50 PM	48.8	47.7	10:25 PM - 10:30 PM	49.7	48.2	01:05 AM - 01:10 AM	50.5	48.5
07:50 PM - 07:55 PM	49.7	47.9	10:30 PM - 10:35 PM	49.5	47.8	01:10 AM - 01:15 AM	50.3	48.1
07:55 PM - 08:00 PM	50.9	48.5	10:35 PM - 10:40 PM	49.1	47.3	01:15 AM - 01:20 AM	49.6	47.3
08:00 PM - 08:05 PM	50.5	48.4	10:40 PM - 10:45 PM	48.9	47.5	01:20 AM - 01:25 AM	48.9	46.8
08:05 PM - 08:10 PM	49.8	47.8	10:45 PM - 10:50 PM	48.5	47.0	01:25 AM - 01:30 AM	48.3	46.8
08:10 PM - 08:15 PM	49.7	47.8	10:50 PM - 10:55 PM	48.7	46.8	01:30 AM - 01:35 AM	48.8	47.3
08:15 PM - 08:20 PM	48.7	47.6	10:55 PM - 11:00 PM	48.1	46.8	01:35 AM - 01:40 AM	49.0	47.1
08:20 PM - 08:25 PM	46.2	45.9	11:00 PM - 11:05 PM	47.6	46.5	01:40 AM - 01:45 AM	47.7	46.1
08:25 PM - 08:30 PM	48.4	47.0	11:05 PM - 11:10 PM	48.4	47.0	01:45 AM - 01:50 AM	47.0	45.6
08:30 PM - 08:35 PM	47.7	46.6	11:10 PM - 11:15 PM	47.2	46.1	01:50 AM - 01:55 AM	47.4	46.1
08:35 PM - 08:40 PM	48.2	46.9	11:15 PM - 11:20 PM	47.6	46.4	01:55 AM - 02:00 AM	47.7	46.2

The above results are valid only for the analysed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023

Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number
Parameter

Noise Level (Leq 5 min)

Location : บ้านฉางอะลูมิเนียมในโครงการบ้านพักและรวมกลุ่มในชุมชนภาคใต้ (N6) (GPS 47P 0744953, 1428691)

Measurement Date : Nov 17 - Nov 18, 2025

Measurement by : Apichart Wilars
Sound Level meter : Serial No. 531294

Page 3 of 3

Nov 18, 2025			Nov 18, 2025			Nov 18, 2025			Nov 18, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
02:00 AM - 02:05 AM	48.4	47.1	04:40 AM - 04:45 AM	44.4	43.5	07:20 AM - 07:25 AM	46.1	44.5			
02:05 AM - 02:10 AM	48.0	46.6	04:45 AM - 04:50 AM	44.4	43.8	07:25 AM - 07:30 AM	45.4	44.3			
02:10 AM - 02:15 AM	48.4	46.2	04:50 AM - 04:55 AM	44.5	43.8	07:30 AM - 07:35 AM	46.1	44.6			
02:15 AM - 02:20 AM	47.9	46.4	04:55 AM - 05:00 AM	44.7	43.9	07:35 AM - 07:40 AM	46.3	44.9			
02:20 AM - 02:25 AM	47.5	45.9	05:00 AM - 05:05 AM	45.1	44.2	07:40 AM - 07:45 AM	46.7	45.3			
02:25 AM - 02:30 AM	47.2	45.9	05:05 AM - 05:10 AM	45.1	44.0	07:45 AM - 07:50 AM	47.5	46.0			
02:30 AM - 02:35 AM	47.2	46.0	05:10 AM - 05:15 AM	45.0	43.9	07:50 AM - 07:55 AM	48.1	46.2			
02:35 AM - 02:40 AM	48.5	46.4	05:15 AM - 05:20 AM	45.2	44.3	07:55 AM - 08:00 AM	47.9	45.8			
02:40 AM - 02:45 AM	49.7	47.7	05:20 AM - 05:25 AM	45.7	44.2	08:00 AM - 08:05 AM	48.2	46.7			
02:45 AM - 02:50 AM	48.3	46.7	05:25 AM - 05:30 AM	45.8	44.3	08:05 AM - 08:10 AM	48.7	46.8			
02:50 AM - 02:55 AM	46.9	46.8	05:30 AM - 05:35 AM	44.9	43.7	08:10 AM - 08:15 AM	48.2	46.6			
02:55 AM - 03:00 AM	49.5	47.2	05:35 AM - 05:40 AM	45.2	43.2	08:15 AM - 08:20 AM	48.4	46.1			
03:00 AM - 03:05 AM	49.5	46.4	05:40 AM - 05:45 AM	45.0	43.6	08:20 AM - 08:25 AM	51.7	49.1			
03:05 AM - 03:10 AM	47.9	45.3	05:45 AM - 05:50 AM	47.3	43.7	08:25 AM - 08:30 AM	51.1	47.3			
03:10 AM - 03:15 AM	48.4	46.1	05:50 AM - 05:55 AM	46.0	44.5	08:30 AM - 08:35 AM	47.2	45.8			
03:15 AM - 03:20 AM	47.2	45.3	05:55 AM - 06:00 AM	46.2	45.0	08:35 AM - 08:40 AM	46.1	44.6			
03:20 AM - 03:25 AM	45.9	44.7	06:00 AM - 06:05 AM	46.3	45.0	08:40 AM - 08:45 AM	48.3	44.9			
03:25 AM - 03:30 AM	46.3	45.3	06:05 AM - 06:10 AM	47.3	46.0	08:45 AM - 08:50 AM	50.1	47.1			
03:30 AM - 03:35 AM	46.4	45.2	06:10 AM - 06:15 AM	47.8	46.4	08:50 AM - 08:55 AM	51.0	49.2			
03:35 AM - 03:40 AM	47.3	45.4	06:15 AM - 06:20 AM	47.5	46.1	08:55 AM - 09:00 AM	49.7	47.4			
03:40 AM - 03:45 AM	47.3	45.3	06:20 AM - 06:25 AM	49.9	47.7	09:00 AM - 09:05 AM	50.0	48.1			
03:45 AM - 03:50 AM	45.0	44.2	06:25 AM - 06:30 AM	51.4	49.2	09:05 AM - 09:10 AM	50.7	49.1			
03:50 AM - 03:55 AM	45.2	44.3	06:30 AM - 06:35 AM	49.3	47.1	09:10 AM - 09:15 AM	53.4	48.8			
03:55 AM - 04:00 AM	45.9	44.7	06:35 AM - 06:40 AM	47.0	46.0	09:15 AM - 09:20 AM	50.9	48.1			
04:00 AM - 04:05 AM	46.6	44.9	06:40 AM - 06:45 AM	48.5	46.7	09:20 AM - 09:25 AM	48.2	46.2			
04:05 AM - 04:10 AM	44.7	43.9	06:45 AM - 06:50 AM	47.5	46.0	09:25 AM - 09:30 AM	53.9	48.1			
04:10 AM - 04:15 AM	45.4	44.4	06:50 AM - 06:55 AM	46.2	44.8	09:30 AM - 09:35 AM	51.7	49.0			
04:15 AM - 04:20 AM	46.0	44.8	06:55 AM - 07:00 AM	46.5	44.6	09:35 AM - 09:40 AM	50.6	48.4			
04:20 AM - 04:25 AM	45.7	44.6	07:00 AM - 07:05 AM	45.0	44.2	09:40 AM - 09:45 AM	50.1	47.8			
04:25 AM - 04:30 AM	45.5	44.4	07:05 AM - 07:10 AM	45.5	44.5	09:45 AM - 09:50 AM	49.2	47.1			
04:30 AM - 04:35 AM	44.9	44.2	07:10 AM - 07:15 AM	45.8	44.4	09:50 AM - 09:55 AM	51.9	48.6			
04:35 AM - 04:40 AM	44.4	43.6	07:15 AM - 07:20 AM	45.7	44.3	09:55 AM - 10:00 AM	50.4	47.7			



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023

Project Name : Monitoring

Project Location : WHA ESIE 4

Lot ID: 2599077
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3460159-1

Page 2 of 3

Sample Number 2599077-38
Parameter Noise Level (Leq 5 min)
Location บริเวณรอบเขตพื้นที่โครงการท่าเทียบเรือท่าเรืออุตสาหกรรมกาดใหญ่ (N6) (GPS 47P 0744953, 1428691)
Measurement Date Nov 18 - Nov 19, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531294

Nov 18, 2025	Leq dB(A)	L90 dB(A)	Nov 18, 2025	Leq dB(A)	L90 dB(A)	Nov 18 - Nov 19, 2025	Leq dB(A)	L90 dB(A)
06:00 PM - 06:05 PM	46.0	44.6	08:40 PM - 08:45 PM	46.6	47.4	11:20 PM - 11:25 PM	49.6	48.3
06:05 PM - 06:10 PM	48.2	46.4	08:45 PM - 08:50 PM	48.5	47.4	11:25 PM - 11:30 PM	49.2	48.1
06:10 PM - 06:15 PM	51.1	49.3	08:50 PM - 08:55 PM	51.7	47.8	11:30 PM - 11:35 PM	50.0	48.2
06:15 PM - 06:20 PM	51.8	50.2	08:55 PM - 09:00 PM	49.4	47.9	11:35 PM - 11:40 PM	51.5	49.8
06:20 PM - 06:25 PM	52.0	50.9	09:00 PM - 09:05 PM	49.5	47.5	11:40 PM - 11:45 PM	52.4	49.1
06:25 PM - 06:30 PM	51.5	50.4	09:05 PM - 09:10 PM	48.8	46.4	11:45 PM - 11:50 PM	50.4	48.0
06:30 PM - 06:35 PM	51.5	50.1	09:10 PM - 09:15 PM	47.2	46.3	11:50 PM - 11:55 PM	49.5	47.5
06:35 PM - 06:40 PM	53.5	50.1	09:15 PM - 09:20 PM	48.1	46.9	11:55 PM - 12:00 AM	50.9	48.6
06:40 PM - 06:45 PM	50.6	49.8	09:20 PM - 09:25 PM	48.2	47.1	12:00 AM - 12:05 AM	52.2	48.7
06:45 PM - 06:50 PM	50.2	49.2	09:25 PM - 09:30 PM	48.6	47.5	12:05 AM - 12:10 AM	54.8	50.2
06:50 PM - 06:55 PM	50.0	48.6	09:30 PM - 09:35 PM	48.5	47.4	12:10 AM - 12:15 AM	52.4	49.7
06:55 PM - 07:00 PM	49.9	48.7	09:35 PM - 09:40 PM	48.2	47.0	12:15 AM - 12:20 AM	50.7	49.1
07:00 PM - 07:05 PM	49.7	48.6	09:40 PM - 09:45 PM	48.4	47.2	12:20 AM - 12:25 AM	53.6	50.0
07:05 PM - 07:10 PM	50.1	49.0	09:45 PM - 09:50 PM	48.0	46.8	12:25 AM - 12:30 AM	53.8	51.4
07:10 PM - 07:15 PM	48.5	47.3	09:50 PM - 09:55 PM	48.2	46.9	12:30 AM - 12:35 AM	51.5	49.6
07:15 PM - 07:20 PM	48.7	47.7	09:55 PM - 10:00 PM	48.3	47.2	12:35 AM - 12:40 AM	51.5	49.4
07:20 PM - 07:25 PM	48.6	47.3	10:00 PM - 10:05 PM	48.7	47.4	12:40 AM - 12:45 AM	49.4	48.2
07:25 PM - 07:30 PM	49.1	47.3	10:05 PM - 10:10 PM	50.0	47.7	12:45 AM - 12:50 AM	49.7	48.2
07:30 PM - 07:35 PM	48.5	47.3	10:10 PM - 10:15 PM	49.8	47.7	12:50 AM - 12:55 AM	51.2	48.1
07:35 PM - 07:40 PM	48.2	47.2	10:15 PM - 10:20 PM	49.3	47.8	12:55 AM - 01:00 AM	52.1	50.2
07:40 PM - 07:45 PM	48.3	47.4	10:20 PM - 10:25 PM	49.1	47.7	01:00 AM - 01:05 AM	52.3	49.1
07:45 PM - 07:50 PM	47.5	46.6	10:25 PM - 10:30 PM	48.8	47.5	01:05 AM - 01:10 AM	51.2	48.8
07:50 PM - 07:55 PM	48.3	47.3	10:30 PM - 10:35 PM	48.8	47.2	01:10 AM - 01:15 AM	51.1	48.4
07:55 PM - 08:00 PM	50.0	48.3	10:35 PM - 10:40 PM	48.7	47.3	01:15 AM - 01:20 AM	49.6	48.2
08:00 PM - 08:05 PM	49.8	48.0	10:40 PM - 10:45 PM	49.2	47.9	01:20 AM - 01:25 AM	52.3	48.7
08:05 PM - 08:10 PM	49.9	48.1	10:45 PM - 10:50 PM	48.9	47.9	01:25 AM - 01:30 AM	51.5	49.1
08:10 PM - 08:15 PM	48.8	47.4	10:50 PM - 10:55 PM	49.8	48.4	01:30 AM - 01:35 AM	51.5	49.3
08:15 PM - 08:20 PM	50.4	48.1	10:55 PM - 11:00 PM	50.5	48.8	01:35 AM - 01:40 AM	54.4	49.6
08:20 PM - 08:25 PM	48.8	47.3	11:00 PM - 11:05 PM	49.4	48.2	01:40 AM - 01:45 AM	45.9	48.2
08:25 PM - 08:30 PM	48.3	47.0	11:05 PM - 11:10 PM	48.4	47.4	01:45 AM - 01:50 AM	53.3	47.7
08:30 PM - 08:35 PM	48.1	46.7	11:10 PM - 11:15 PM	49.3	47.9	01:50 AM - 01:55 AM	52.6	47.7
08:35 PM - 08:40 PM	51.1	48.1	11:15 PM - 11:20 PM	49.2	47.7	01:55 AM - 02:00 AM	50.8	49.3

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Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023

Project Name : Monitoring

Project Location : WHA ESIE 4

Lot ID: 2599077
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3460159-1

Page 3 of 3

Sample Number 2599077-38
Parameter Noise Level (Leq 5 min)
Location บริเวณรอบเขตพื้นที่โครงการท่าเทียบเรือท่าเรืออุตสาหกรรมกาดใหญ่ (N6) (GPS 47P 0744953, 1428691)
Measurement Date Nov 18 - Nov 19, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531294

Nov 19, 2025	Leq dB(A)	L90 dB(A)	Nov 19, 2025	Leq dB(A)	L90 dB(A)	Nov 19, 2025	Leq dB(A)	L90 dB(A)
02:00 AM - 02:05 AM	55.4	51.0	04:40 AM - 04:45 AM	47.1	46.1	07:20 AM - 07:25 AM	59.0	55.9
02:05 AM - 02:10 AM	57.8	54.9	04:45 AM - 04:50 AM	46.8	45.9	07:25 AM - 07:30 AM	58.3	54.5
02:10 AM - 02:15 AM	57.7	55.7	04:50 AM - 04:55 AM	47.3	46.1	07:30 AM - 07:35 AM	58.9	55.2
02:15 AM - 02:20 AM	59.1	56.5	04:55 AM - 05:00 AM	47.7	46.3	07:35 AM - 07:40 AM	58.3	54.1
02:20 AM - 02:25 AM	55.8	49.8	05:00 AM - 05:05 AM	47.4	46.7	07:40 AM - 07:45 AM	57.0	53.9
02:25 AM - 02:30 AM	50.1	47.4	05:05 AM - 05:10 AM	47.6	46.5	07:45 AM - 07:50 AM	59.0	54.1
02:30 AM - 02:35 AM	48.9	46.6	05:10 AM - 05:15 AM	49.0	46.8	07:50 AM - 07:55 AM	57.0	52.7
02:35 AM - 02:40 AM	48.7	46.1	05:15 AM - 05:20 AM	48.1	46.8	07:55 AM - 08:00 AM	55.4	52.4
02:40 AM - 02:45 AM	49.1	46.6	05:20 AM - 05:25 AM	46.9	46.4	08:00 AM - 08:05 AM	59.4	56.2
02:45 AM - 02:50 AM	47.0	45.8	05:25 AM - 05:30 AM	49.1	47.8	08:05 AM - 08:10 AM	62.0	56.8
02:50 AM - 02:55 AM	49.5	46.7	05:30 AM - 05:35 AM	49.9	47.5	08:10 AM - 08:15 AM	59.2	56.7
02:55 AM - 03:00 AM	49.5	47.6	05:35 AM - 05:40 AM	50.9	48.1	08:15 AM - 08:20 AM	61.7	56.0
03:00 AM - 03:05 AM	51.1	47.9	05:40 AM - 05:45 AM	54.7	49.8	08:20 AM - 08:25 AM	61.4	56.9
03:05 AM - 03:10 AM	48.3	46.7	05:45 AM - 05:50 AM	55.6	52.6	08:25 AM - 08:30 AM	60.0	56.0
03:10 AM - 03:15 AM	49.4	46.4	05:50 AM - 05:55 AM	54.3	51.9	08:30 AM - 08:35 AM	58.6	53.7
03:15 AM - 03:20 AM	47.7	46.8	05:55 AM - 06:00 AM	54.8	51.3	08:35 AM - 08:40 AM	59.7	55.7
03:20 AM - 03:25 AM	47.8	46.5	06:00 AM - 06:05 AM	55.7	52.1	08:40 AM - 08:45 AM	61.9	57.9
03:25 AM - 03:30 AM	47.6	46.4	06:05 AM - 06:10 AM	56.9	52.6	08:45 AM - 08:50 AM	62.4	56.2
03:30 AM - 03:35 AM	47.5	46.3	06:10 AM - 06:15 AM	58.5	51.5	08:50 AM - 08:55 AM	63.6	56.1
03:35 AM - 03:40 AM	47.1	46.2	06:15 AM - 06:20 AM	57.7	54.4	08:55 AM - 09:00 AM	62.3	58.1
03:40 AM - 03:45 AM	47.9	46.5	06:20 AM - 06:25 AM	56.0	52.6	09:00 AM - 09:05 AM	62.2	55.4
03:45 AM - 03:50 AM	54.3	46.2	06:25 AM - 06:30 AM	57.2	54.4	09:05 AM - 09:10 AM	63.7	59.6
03:50 AM - 03:55 AM	47.3	46.1	06:30 AM - 06:35 AM	55.1	52.6	09:10 AM - 09:15 AM	62.1	56.3
03:55 AM - 04:00 AM	46.2	45.4	06:35 AM - 06:40 AM	59.6	55.9	09:15 AM - 09:20 AM	64.8	60.0
04:00 AM - 04:05 AM	45.9	45.3	06:40 AM - 06:45 AM	58.3	54.4	09:20 AM - 09:25 AM	61.6	56.7
04:05 AM - 04:10 AM	46.0	45.4	06:45 AM - 06:50 AM	54.4	51.9	09:25 AM - 09:30 AM	60.4	55.1
04:10 AM - 04:15 AM	49.6	45.4	06:50 AM - 06:55 AM	56.4	53.9	09:30 AM - 09:35 AM	62.3	58.5
04:15 AM - 04:20 AM	46.4	45.5	06:55 AM - 07:00 AM	58.8	54.7	09:35 AM - 09:40 AM	60.3	55.4
04:20 AM - 04:25 AM	45.9	45.3	07:00 AM - 07:05 AM	59.5	54.8	09:40 AM - 09:45 AM	58.8	53.4
04:25 AM - 04:30 AM	46.7	45.8	07:05 AM - 07:10 AM	60.8	56.0	09:45 AM - 09:50 AM	60.9	54.8
04:30 AM - 04:35 AM	46.7	45.8	07:10 AM - 07:15 AM	58.2	54.3	09:50 AM - 09:55 AM	58.5	54.6
04:35 AM - 04:40 AM	46.6	45.7	07:15 AM - 07:20 AM	59.8	56.1	09:55 AM - 10:00 AM	57.3	52.8

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Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023

Project Name : Monitoring

Project Location : WHA ESIE 4

Lot ID: 2599077
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3460160-1

Page 1 of 3

Sample Number 2599077-39
Parameter Noise Level (Leq 5 min)
Location บริเวณรอบเขตพื้นที่โครงการท่าเทียบเรือท่าเรืออุตสาหกรรมกาดใหญ่ (N6) (GPS 47P 0744953, 1428691)
Measurement Date Nov 19 - Nov 20, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531294

Nov 19, 2025			Nov 19, 2025			Nov 19, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
10:00 AM - 10:05 AM	57.1	53.2	12:40 PM - 12:45 PM	55.9	52.6	03:20 PM - 03:25 PM	53.9	48.6
10:05 AM - 10:10 AM	60.4	54.7	12:45 PM - 12:50 PM	57.8	50.3	03:25 PM - 03:30 PM	52.9	50.6
10:10 AM - 10:15 AM	56.6	53.6	12:50 PM - 12:55 PM	60.1	52.1	03:30 PM - 03:35 PM	52.9	49.5
10:15 AM - 10:20 AM	57.2	53.5	12:55 PM - 01:00 PM	61.7	56.6	03:35 PM - 03:40 PM	51.4	48.8
10:20 AM - 10:25 AM	58.4	55.6	01:00 PM - 01:05 PM	59.3	53.1	03:40 PM - 03:45 PM	51.5	48.6
10:25 AM - 10:30 AM	59.1	55.0	01:05 PM - 01:10 PM	59.1	53.1	03:45 PM - 03:50 PM	51.0	48.9
10:30 AM - 10:35 AM	57.9	54.2	01:10 PM - 01:15 PM	57.6	53.8	03:50 PM - 03:55 PM	52.3	49.9
10:35 AM - 10:40 AM	57.8	54.5	01:15 PM - 01:20 PM	60.0	52.0	03:55 PM - 04:00 PM	49.1	46.6
10:40 AM - 10:45 AM	54.2	51.8	01:20 PM - 01:25 PM	57.3	52.7	04:00 PM - 04:05 PM	49.0	46.6
10:45 AM - 10:50 AM	59.4	53.4	01:25 PM - 01:30 PM	54.7	51.8	04:05 PM - 04:10 PM	50.3	47.6
10:50 AM - 10:55 AM	58.5	55.9	01:30 PM - 01:35 PM	55.8	51.0	04:10 PM - 04:15 PM	49.1	47.3
10:55 AM - 11:00 AM	58.1	54.7	01:35 PM - 01:40 PM	55.0	51.2	04:15 PM - 04:20 PM	50.3	47.8
11:00 AM - 11:05 AM	57.3	53.9	01:40 PM - 01:45 PM	54.0	49.2	04:20 PM - 04:25 PM	51.9	49.1
11:05 AM - 11:10 AM	56.4	53.7	01:45 PM - 01:50 PM	54.7	50.6	04:25 PM - 04:30 PM	52.2	49.6
11:10 AM - 11:15 AM	55.3	52.4	01:50 PM - 01:55 PM	54.5	50.7	04:30 PM - 04:35 PM	51.0	47.9
11:15 AM - 11:20 AM	56.5	54.1	01:55 PM - 02:00 PM	57.2	54.5	04:35 PM - 04:40 PM	51.0	49.0
11:20 AM - 11:25 AM	56.4	52.8	02:00 PM - 02:05 PM	57.9	52.6	04:40 PM - 04:45 PM	50.4	48.2
11:25 AM - 11:30 AM	52.3	50.0	02:05 PM - 02:10 PM	54.1	51.2	04:45 PM - 04:50 PM	52.3	49.0
11:30 AM - 11:35 AM	55.6	51.2	02:10 PM - 02:15 PM	52.9	50.2	04:50 PM - 04:55 PM	52.1	49.3
11:35 AM - 11:40 AM	51.2	48.9	02:15 PM - 02:20 PM	54.7	50.0	04:55 PM - 05:00 PM	49.2	46.3
11:40 AM - 11:45 AM	54.5	48.6	02:20 PM - 02:25 PM	53.7	50.8	05:00 PM - 05:05 PM	49.7	47.3
11:45 AM - 11:50 AM	55.1	51.3	02:25 PM - 02:30 PM	52.8	50.2	05:05 PM - 05:10 PM	49.8	47.5
11:50 AM - 11:55 AM	56.8	51.4	02:30 PM - 02:35 PM	53.6	51.1	05:10 PM - 05:15 PM	49.3	46.9
11:55 AM - 12:00 PM	59.7	52.3	02:35 PM - 02:40 PM	52.8	50.4	05:15 PM - 05:20 PM	50.5	48.0
12:00 PM - 12:05 PM	53.0	49.6	02:40 PM - 02:45 PM	53.3	50.3	05:20 PM - 05:25 PM	51.1	48.3
12:05 PM - 12:10 PM	53.0	47.1	02:45 PM - 02:50 PM	53.3	49.9	05:25 PM - 05:30 PM	47.3	45.7
12:10 PM - 12:15 PM	55.0	51.0	02:50 PM - 02:55 PM	53.4	49.9	05:30 PM - 05:35 PM	49.9	46.8
12:15 PM - 12:20 PM	56.7	53.1	02:55 PM - 03:00 PM	51.7	48.6	05:35 PM - 05:40 PM	51.0	47.0
12:20 PM - 12:25 PM	52.7	47.2	03:00 PM - 03:05 PM	52.7	48.7	05:40 PM - 05:45 PM	50.9	48.2
12:25 PM - 12:30 PM	54.4	50.4	03:05 PM - 03:10 PM	53.6	51.1	05:45 PM - 05:50 PM	51.5	48.6
12:30 PM - 12:35 PM	53.7	49.7	03:10 PM - 03:15 PM	53.6	50.5	05:50 PM - 05:55 PM	51.8	49.6
12:35 PM - 12:40 PM	52.3	47.7	03:15 PM - 03:20 PM	52.9	49.9	05:55 PM - 06:00 PM	50.8	48.8



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
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Project Location : WHA ESIE 4

Sample Number 2599077-39
Parameter Noise Level (Leq 5 min)
Location บริเวณรอบเขตพื้นที่โครงการท่าเทียบเรือและท่าเรือในชุมชนภาคใต้ (N6) (GPS 47P 0744953, 1428691)
Measurement Date Nov 19 - Nov 20, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531294

Nov 20, 2025			Nov 20, 2025			Nov 20, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
02:00 AM - 02:05 AM	53.9	50.9	04:40 AM - 04:45 AM	49.3	45.8	07:20 AM - 07:25 AM	52.1	49.3
02:05 AM - 02:10 AM	57.3	54.5	04:45 AM - 04:50 AM	53.5	49.7	07:25 AM - 07:30 AM	50.3	46.9
02:10 AM - 02:15 AM	55.1	52.5	04:50 AM - 04:55 AM	52.1	49.4	07:30 AM - 07:35 AM	52.4	49.9
02:15 AM - 02:20 AM	55.2	51.4	04:55 AM - 05:00 AM	55.3	50.4	07:35 AM - 07:40 AM	51.7	49.9
02:20 AM - 02:25 AM	54.5	51.6	05:00 AM - 05:05 AM	50.8	47.7	07:40 AM - 07:45 AM	51.5	49.5
02:25 AM - 02:30 AM	56.7	53.5	05:05 AM - 05:10 AM	49.2	46.2	07:45 AM - 07:50 AM	52.8	49.4
02:30 AM - 02:35 AM	59.6	54.5	05:10 AM - 05:15 AM	49.4	47.3	07:50 AM - 07:55 AM	51.6	47.8
02:35 AM - 02:40 AM	59.9	56.8	05:15 AM - 05:20 AM	49.9	46.1	07:55 AM - 08:00 AM	50.7	48.4
02:40 AM - 02:45 AM	58.0	54.2	05:20 AM - 05:25 AM	50.0	46.6	08:00 AM - 08:05 AM	50.0	47.5
02:45 AM - 02:50 AM	57.5	54.0	05:25 AM - 05:30 AM	51.1	47.6	08:05 AM - 08:10 AM	51.8	48.5
02:50 AM - 02:55 AM	58.7	54.0	05:30 AM - 05:35 AM	51.5	48.9	08:10 AM - 08:15 AM	56.8	52.3
02:55 AM - 03:00 AM	58.9	55.9	05:35 AM - 05:40 AM	50.4	47.3	08:15 AM - 08:20 AM	55.3	50.6
03:00 AM - 03:05 AM	60.4	57.3	05:40 AM - 05:45 AM	49.6	45.9	08:20 AM - 08:25 AM	51.8	50.2
03:05 AM - 03:10 AM	60.7	56.6	05:45 AM - 05:50 AM	49.9	46.4	08:25 AM - 08:30 AM	53.0	50.8
03:10 AM - 03:15 AM	57.1	54.6	05:50 AM - 05:55 AM	48.9	45.7	08:30 AM - 08:35 AM	53.9	50.5
03:15 AM - 03:20 AM	58.3	52.4	05:55 AM - 06:00 AM	48.5	46.6	08:35 AM - 08:40 AM	54.2	51.3
03:20 AM - 03:25 AM	57.9	55.0	06:00 AM - 06:05 AM	51.5	49.2	08:40 AM - 08:45 AM	54.6	50.7
03:25 AM - 03:30 AM	59.5	54.1	06:05 AM - 06:10 AM	51.6	48.7	08:45 AM - 08:50 AM	53.0	51.1
03:30 AM - 03:35 AM	57.7	53.9	06:10 AM - 06:15 AM	48.5	44.9	08:50 AM - 08:55 AM	56.3	52.0
03:35 AM - 03:40 AM	53.3	49.3	06:15 AM - 06:20 AM	46.7	45.2	08:55 AM - 09:00 AM	53.1	50.8
03:40 AM - 03:45 AM	54.2	49.1	06:20 AM - 06:25 AM	47.9	45.2	09:00 AM - 09:05 AM	53.6	50.5
03:45 AM - 03:50 AM	53.7	49.3	06:25 AM - 06:30 AM	48.1	46.1	09:05 AM - 09:10 AM	52.6	50.0
03:50 AM - 03:55 AM	54.3	50.1	06:30 AM - 06:35 AM	49.6	46.8	09:10 AM - 09:15 AM	56.2	49.9
03:55 AM - 04:00 AM	57.1	52.2	06:35 AM - 06:40 AM	50.6	47.1	09:15 AM - 09:20 AM	53.8	49.5
04:00 AM - 04:05 AM	51.5	48.3	06:40 AM - 06:45 AM	49.5	47.4	09:20 AM - 09:25 AM	51.9	49.2
04:05 AM - 04:10 AM	53.7	49.7	06:45 AM - 06:50 AM	51.3	48.9	09:25 AM - 09:30 AM	54.2	51.7
04:10 AM - 04:15 AM	55.1	50.0	06:50 AM - 06:55 AM	50.6	48.0	09:30 AM - 09:35 AM	54.9	51.6
04:15 AM - 04:20 AM	53.0	48.5	06:55 AM - 07:00 AM	49.5	47.5	09:35 AM - 09:40 AM	56.6	53.0
04:20 AM - 04:25 AM	51.3	48.7	07:00 AM - 07:05 AM	51.5	48.9	09:40 AM - 09:45 AM	59.4	56.5
04:25 AM - 04:30 AM	48.9	46.7	07:05 AM - 07:10 AM	49.9	47.6	09:45 AM - 09:50 AM	60.0	56.6
04:30 AM - 04:35 AM	52.5	49.1	07:10 AM - 07:15 AM	53.0	48.9	09:50 AM - 09:55 AM	61.0	57.1
04:35 AM - 04:40 AM	49.9	46.9	07:15 AM - 07:20 AM	50.3	48.4	09:55 AM - 10:00 AM	60.7	58.0

The above results are valid only for the analysed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. A.S. Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Sarayuht Jitranont
Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number 2599077-40
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Location บริเวณรอบเขตพื้นที่โครงการท่าเทียบเรือและท่าเรือในชุมชนภาคใต้ (N6) (GPS 47P 0744953, 1428691)
Measurement Date Nov 20 - Nov 21, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531294

Nov 20, 2025			Nov 20, 2025			Nov 20, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
10:00 AM - 10:05 AM	61.4	58.0	12:40 PM - 12:45 PM	52.0	48.4	03:20 PM - 03:25 PM	53.3	49.9
10:05 AM - 10:10 AM	61.5	58.3	12:45 PM - 12:50 PM	50.9	47.0	03:25 PM - 03:30 PM	56.8	53.1
10:10 AM - 10:15 AM	60.1	57.0	12:50 PM - 12:55 PM	51.7	48.2	03:30 PM - 03:35 PM	58.9	56.4
10:15 AM - 10:20 AM	59.7	56.8	12:55 PM - 01:00 PM	51.3	48.5	03:35 PM - 03:40 PM	56.1	53.0
10:20 AM - 10:25 AM	58.8	55.8	01:00 PM - 01:05 PM	48.9	47.1	03:40 PM - 03:45 PM	56.3	52.8
10:25 AM - 10:30 AM	60.4	56.5	01:05 PM - 01:10 PM	48.8	46.5	03:45 PM - 03:50 PM	57.3	53.7
10:30 AM - 10:35 AM	60.8	56.0	01:10 PM - 01:15 PM	49.6	47.3	03:50 PM - 03:55 PM	55.6	52.6
10:35 AM - 10:40 AM	59.5	56.7	01:15 PM - 01:20 PM	49.7	47.6	03:55 PM - 04:00 PM	54.1	50.7
10:40 AM - 10:45 AM	62.4	57.8	01:20 PM - 01:25 PM	51.6	49.0	04:00 PM - 04:05 PM	52.6	50.3
10:45 AM - 10:50 AM	58.2	55.6	01:25 PM - 01:30 PM	51.5	48.4	04:05 PM - 04:10 PM	51.8	49.7
10:50 AM - 10:55 AM	57.6	55.6	01:30 PM - 01:35 PM	50.2	47.8	04:10 PM - 04:15 PM	51.7	50.0
10:55 AM - 11:00 AM	57.9	55.6	01:35 PM - 01:40 PM	48.7	47.1	04:15 PM - 04:20 PM	53.7	51.6
11:00 AM - 11:05 AM	56.7	53.8	01:40 PM - 01:45 PM	50.9	48.6	04:20 PM - 04:25 PM	53.5	50.9
11:05 AM - 11:10 AM	58.6	55.2	01:45 PM - 01:50 PM	53.7	50.5	04:25 PM - 04:30 PM	51.9	49.5
11:10 AM - 11:15 AM	58.2	55.7	01:50 PM - 01:55 PM	52.4	50.2	04:30 PM - 04:35 PM	53.3	50.2
11:15 AM - 11:20 AM	54.7	50.7	01:55 PM - 02:00 PM	55.6	52.4	04:35 PM - 04:40 PM	53.9	50.4
11:20 AM - 11:25 AM	56.4	50.2	02:00 PM - 02:05 PM	55.9	52.9	04:40 PM - 04:45 PM	53.2	49.1
11:25 AM - 11:30 AM	55.7	52.0	02:05 PM - 02:10 PM	55.6	52.0	04:45 PM - 04:50 PM	52.5	49.9
11:30 AM - 11:35 AM	54.4	50.9	02:10 PM - 02:15 PM	58.0	55.0	04:50 PM - 04:55 PM	52.6	50.0
11:35 AM - 11:40 AM	55.5	48.6	02:15 PM - 02:20 PM	57.2	53.7	04:55 PM - 05:00 PM	53.6	49.9
11:40 AM - 11:45 AM	53.9	48.4	02:20 PM - 02:25 PM	56.9	52.9	05:00 PM - 05:05 PM	53.1	50.6
11:45 AM - 11:50 AM	53.0	49.1	02:25 PM - 02:30 PM	57.5	53.8	05:05 PM - 05:10 PM	54.3	51.0
11:50 AM - 11:55 AM	51.1	48.3	02:30 PM - 02:35 PM	58.6	55.2	05:10 PM - 05:15 PM	54.1	51.7
11:55 AM - 12:00 PM	55.6	50.1	02:35 PM - 02:40 PM	57.0	53.4	05:15 PM - 05:20 PM	55.3	50.2
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12:10 PM - 12:15 PM	50.9	46.8	02:50 PM - 02:55 PM	55.3	52.3	05:30 PM - 05:35 PM	49.4	47.1
12:15 PM - 12:20 PM	52.4	45.4	02:55 PM - 03:00 PM	55.0	51.2	05:35 PM - 05:40 PM	50.3	48.2
12:20 PM - 12:25 PM	52.3	49.3	03:00 PM - 03:05 PM	54.1	51.8	05:40 PM - 05:45 PM	50.3	48.6
12:25 PM - 12:30 PM	53.6	48.8	03:05 PM - 03:10 PM	55.7	51.3	05:45 PM - 05:50 PM	51.8	49.2
12:30 PM - 12:35 PM	52.4	48.1	03:10 PM - 03:15 PM	54.4	51.7	05:50 PM - 05:55 PM	51.2	49.0
12:35 PM - 12:40 PM	49.7	46.6	03:15 PM - 03:20 PM	54.9	50.8	05:55 PM - 06:00 PM	52.4	49.6

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Sarayuht Jitranont
Assistant General Manager

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P/O : 54250023
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Parameter Noise Level (Leq 5 min)
Location บริเวณรอบเขตพื้นที่โครงการท่าเทียบเรือและท่าเรือในชุมชนภาคใต้ (N6) (GPS 47P 0744953, 1428691)
Measurement Date Nov 20 - Nov 21, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531294

Nov 20, 2025			Nov 20, 2025			Nov 20 - Nov 21, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
05:00 PM - 05:05 PM	53.0	49.8	08:40 PM - 08:45 PM	50.6	48.7	11:20 PM - 11:25 PM	48.2	46.8
05:05 PM - 05:10 PM	53.2	50.7	08:45 PM - 08:50 PM	50.5	48.9	11:25 PM - 11:30 PM	48.0	46.7
05:10 PM - 05:15 PM	51.9	50.6	08:50 PM - 08:55 PM	51.4	49.5	11:30 PM - 11:35 PM	48.2	46.9
05:15 PM - 05:20 PM	53.2	51.9	08:55 PM - 09:00 PM	51.7	49.9	11:35 PM - 11:40 PM	49.0	47.6
05:20 PM - 05:25 PM	53.0	51.2	09:00 PM - 09:05 PM	51.0	49.1	11:40 PM - 11:45 PM	48.4	47.2
05:25 PM - 05:30 PM	52.9	51.6	09:05 PM - 09:10 PM	51.0	49.0	11:45 PM - 11:50 PM	48.8	47.5
05:30 PM - 05:35 PM	52.9	51.8	09:10 PM - 09:15 PM	50.9	49.0	11:50 PM - 11:55 PM	48.5	47.2
05:35 PM - 05:40 PM	53.2	51.8	09:15 PM - 09:20 PM	49.6	48.3	11:55 PM - 12:00 AM	48.6	47.4
05:40 PM - 05:45 PM	52.9	50.9	09:20 PM - 09:25 PM	49.1	47.8	12:00 AM - 12:05 AM	48.4	47.2
05:45 PM - 05:50 PM	52.4	50.5	09:25 PM - 09:30 PM	49.5	48.2	12:05 AM - 12:10 AM	48.9	47.2
05:50 PM - 05:55 PM	51.5	50.3	09:30 PM - 09:35 PM	49.3	47.9	12:10 AM - 12:15 AM	50.4	49.1
05:55 PM - 06:00 PM	51.6	50.0	09:35 PM - 09:40 PM	49.5	48.0	12:15 AM - 12:20 AM	48.6	46.9
06:00 PM - 06:05 PM	51.1	49.6	09:40 PM - 09:45 PM	49.9	48.6	12:20 AM - 12:25 AM	51.3	49.6
06:05 PM - 06:10 PM	51.8	50.3	09:45 PM - 09:50 PM	49.6	48.4	12:25 AM - 12:30 AM	50.5	49.2
06:10 PM - 06:15 PM	51.4	49.8	09:50 PM - 09:55 PM	49.9	48.6	12:30 AM - 12:35 AM	50.8	49.4
06:15 PM - 06:20 PM	51.2	49.8	09:55 PM - 10:00 PM	50.0	48.9	12:35 AM - 12:40 AM	51.1	49.7
06:20 PM - 06:25 PM	50.4	49.1	10:00 PM - 10:05 PM	50.0	48.8	12:40 AM - 12:45 AM	49.7	47.6
06:25 PM - 06:30 PM	50.8	49.0	10:05 PM - 10:10 PM	49.8	48.6	12:45 AM - 12:50 AM	47.9	46.9
06:30 PM - 06:35 PM	51.2	49.2	10:10 PM - 10:15 PM	49.7	48.5	12:50 AM - 12:55 AM	49.7	48.5
06:35 PM - 06:40 PM	50.6	49.2	10:15 PM - 10:20 PM	49.8	48.6	12:55 AM - 01:00 AM	48.7	47.3
06:40 PM - 06:45 PM	51.4	50.0	10:20 PM - 10:25 PM	50.3	49.1	01:00 AM - 01:05 AM	48.5	47.1
06:45 PM - 06:50 PM	51.2	49.6	10:25 PM - 10:30 PM	49.9	48.7	01:05 AM - 01:10 AM	48.3	47.2
06:50 PM - 06:55 PM	51.1	49.7	10:30 PM - 10:35 PM	49.8	48.0	01:10 AM - 01:15 AM	48.7	47.6
07:55 PM - 07:58 PM	51.6	49.8	10:35 PM - 10:40 PM	49.3	48.2	01:15 AM - 01:20 AM	47.7	46.3
08:00 PM - 08:03 PM	53.1	50.7	10:40 PM - 10:45 PM	49.7	48.8	01:20 AM - 01:25 AM	48.4	46.4
08:05 PM - 08:10 PM	52.4	50.9	10:45 PM - 10:50 PM	49.2	47.9	01:25 AM - 01:30 AM	50.6	48.0
08:10 PM - 08:15 PM	52.0	50.2	10:50 PM - 10:55 PM	48.4	47.0	01:30 PM - 01:35 AM	48.4	46.7
08:15 PM - 08:20 PM	50.7	49.2	10:55 PM - 11:00 PM	48.1	46.7	01:35 AM - 01:40 AM	46.9	45.4
08:20 PM - 08:25 PM	49.5	48.2	11:00 PM - 11:05 PM	48.1	46.7	01:40 AM - 01:45 AM	47.5	45.7
08:25 PM - 08:30 PM	49.1	48.0	11:05 PM - 11:10 PM	48.5	46.9	01:45 AM - 01:50 AM	47.1	45.3
08:30 PM - 08:35 PM	50.1	48.2	11:10 PM - 11:15 PM	48.4	47.0	01:50 AM - 01:55 AM	48.2	46.9
08:35 PM - 08:40 PM	50.4	48.9	11:15 PM - 11:20 PM	48.4	47.0	01:55 AM - 02:00 AM	48.0	46.6



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599077
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3460162-1

Page 1 of 3

Sample Number 2599077-41
Parameter Noise Level (Leq 5 min)
Location บ้านฉะแอมเขตพัฒนาอุตสาหกรรมโกดังขนานภาคใต้ (N6) (GPS 47P 0744953, 1428691)
Measurement Date Nov 21 - Nov 22, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531294

Nov 21, 2025			Nov 22, 2025			Nov 21, 2025			Nov 22, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
10:00 AM - 10:05 AM	60.1	55.8	12:40 PM - 12:45 PM	49.0	46.6	03:20 PM - 03:25 PM	56.3	51.9	06:00 PM - 06:05 PM	51.1	48.2
10:05 AM - 10:10 AM	56.0	52.2	12:45 PM - 12:50 PM	49.0	45.9	03:25 PM - 03:30 PM	54.2	51.2	06:05 PM - 06:10 PM	51.9	50.3
10:10 AM - 10:15 AM	56.9	52.7	12:50 PM - 12:55 PM	51.1	47.8	03:30 PM - 03:35 PM	51.1	49.0	06:10 PM - 06:15 PM	53.1	51.7
10:15 AM - 10:20 AM	58.0	54.6	12:55 PM - 01:00 PM	49.9	47.4	03:35 PM - 03:40 PM	51.9	49.3	06:15 PM - 06:20 PM	54.0	53.0
10:20 AM - 10:25 AM	49.9	57.8	01:00 PM - 01:05 PM	50.5	46.1	03:40 PM - 03:45 PM	52.6	49.9	06:20 PM - 06:25 PM	53.3	52.1
10:25 AM - 10:30 AM	61.2	58.0	01:05 PM - 01:10 PM	50.5	47.6	03:45 PM - 03:50 PM	52.9	49.9	06:25 PM - 06:30 PM	53.0	51.8
10:30 AM - 10:35 AM	61.0	57.8	01:10 PM - 01:15 PM	51.2	49.3	03:50 PM - 03:55 PM	54.1	51.9	06:30 PM - 06:35 PM	54.2	52.8
10:35 AM - 10:40 AM	61.3	57.9	01:15 PM - 01:20 PM	51.6	49.2	03:55 PM - 04:00 PM	53.4	50.5	06:35 PM - 06:40 PM	53.8	52.1
10:40 AM - 10:45 AM	62.1	57.7	01:20 PM - 01:25 PM	51.8	48.6	04:00 PM - 04:05 PM	53.0	50.5	06:40 PM - 06:45 PM	53.4	51.8
10:45 AM - 10:50 AM	61.2	57.3	01:25 PM - 01:30 PM	52.4	49.6	04:05 PM - 04:10 PM	54.7	52.2	06:45 PM - 06:50 PM	56.7	53.4
10:50 AM - 10:55 AM	61.4	56.8	01:30 PM - 01:35 PM	52.9	50.7	04:10 PM - 04:15 PM	52.8	50.6	06:50 PM - 06:55 PM	54.1	52.5
10:55 AM - 11:00 AM	58.6	55.6	01:35 PM - 01:40 PM	52.1	49.6	04:15 PM - 04:20 PM	51.5	49.6	06:55 PM - 07:00 PM	54.2	52.3
11:00 AM - 11:05 AM	58.9	56.0	01:40 PM - 01:45 PM	51.2	49.0	04:20 PM - 04:25 PM	53.7	50.2	07:00 PM - 07:05 PM	54.6	52.8
11:05 AM - 11:10 AM	59.7	54.6	01:45 PM - 01:50 PM	50.5	48.3	04:25 PM - 04:30 PM	53.3	50.8	07:05 PM - 07:10 PM	54.1	52.2
11:10 AM - 11:15 AM	59.0	56.0	01:50 PM - 01:55 PM	50.1	47.9	04:30 PM - 04:35 PM	52.4	50.0	07:10 PM - 07:15 PM	53.5	52.2
11:15 AM - 11:20 AM	58.4	56.2	01:55 PM - 02:00 PM	51.1	48.2	04:35 PM - 04:40 PM	54.2	51.6	07:15 PM - 07:20 PM	53.7	52.2
11:20 AM - 11:25 AM	58.6	55.0	02:00 PM - 02:05 PM	52.1	49.2	04:40 PM - 04:45 PM	52.8	50.5	07:20 PM - 07:25 PM	53.3	51.6
11:25 AM - 11:30 AM	59.7	56.5	02:05 PM - 02:10 PM	53.8	50.6	04:45 PM - 04:50 PM	53.3	50.6	07:25 PM - 07:30 PM	53.2	51.5
11:30 AM - 11:35 AM	58.8	55.1	02:10 PM - 02:15 PM	50.6	48.6	04:50 PM - 04:55 PM	53.4	50.6	07:30 PM - 07:35 PM	52.7	51.3
11:35 AM - 11:40 AM	60.8	56.1	02:15 PM - 02:20 PM	52.6	49.6	04:55 PM - 05:00 PM	55.7	51.9	07:35 PM - 07:40 PM	52.1	50.5
11:40 AM - 11:45 AM	58.9	55.4	02:20 PM - 02:25 PM	51.2	49.5	05:00 PM - 05:05 PM	55.6	50.8	07:40 PM - 07:45 PM	56.8	53.6
11:45 AM - 11:50 AM	59.7	55.5	02:25 PM - 02:30 PM	51.0	48.6	05:05 PM - 05:10 PM	53.1	49.9	07:45 PM - 07:50 PM	55.3	52.7
11:50 AM - 11:55 AM	58.6	54.0	02:30 PM - 02:35 PM	51.7	49.1	05:10 PM - 05:15 PM	52.4	48.2	07:50 PM - 07:55 PM	55.6	52.9
11:55 AM - 12:00 PM	57.5	53.9	02:35 PM - 02:40 PM	51.7	48.5	05:15 PM - 05:20 PM	52.1	48.5	07:55 PM - 08:00 PM	59.7	55.0
12:00 PM - 12:05 PM	56.4	51.1	02:40 PM - 02:45 PM	51.3	48.9	05:20 PM - 05:25 PM	52.5	49.2	08:00 PM - 08:05 PM	59.3	55.5
12:05 PM - 12:10 PM	50.1	47.5	02:45 PM - 02:50 PM	50.8	47.8	05:25 PM - 05:30 PM	53.7	49.6	08:05 PM - 08:10 PM	59.5	56.7
12:10 PM - 12:15 PM	51.0	46.0	02:50 PM - 02:55 PM	54.0	49.9	05:30 PM - 05:35 PM	51.9	49.0	08:10 PM - 08:15 PM	57.8	53.3
12:15 PM - 12:20 PM	51.4	48.3	02:55 PM - 03:00 PM	51.7	49.2	05:35 PM - 05:40 PM	52.8	50.2	08:15 PM - 08:20 PM	55.0	52.0
12:20 PM - 12:25 PM	49.1	45.1	03:00 PM - 03:05 PM	51.2	48.2	05:40 PM - 05:45 PM	51.0	48.2	08:20 PM - 08:25 PM	54.6	51.9
12:25 PM - 12:30 PM	52.3	48.8	03:05 PM - 03:10 PM	50.7	48.7	05:45 PM - 05:50 PM	49.9	48.2	08:25 PM - 08:30 PM	53.0	50.6
12:30 PM - 12:35 PM	52.9	47.8	03:10 PM - 03:15 PM	53.5	50.9	05:50 PM - 05:55 PM	53.3	48.9	08:30 PM - 08:35 PM	50.4	49.2
12:35 PM - 12:40 PM	51.6	47.5	03:15 PM - 03:20 PM	54.6	52.3	05:55 PM - 06:00 PM	50.1	47.3	08:35 PM - 08:40 PM	51.4	50.0

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Approved by

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599077
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3460162-1

Page 2 of 3

Sample Number 2599077-42
Parameter Noise Level (Leq 5 min)
Location บ้านฉะแอมเขตพัฒนาอุตสาหกรรมโกดังขนานภาคใต้ (N6) (GPS 47P 0744953, 1428691)
Measurement Date Nov 21 - Nov 22, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531294

Nov 21, 2025			Nov 22, 2025			Nov 21, 2025			Nov 22, 2025		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
06:00 PM - 06:05 PM	51.1	48.2	08:40 PM - 08:45 PM	52.2	50.7	11:20 PM - 11:25 PM	50.8	48.2	11:20 PM - 11:25 PM	50.8	48.2
06:05 PM - 06:10 PM	51.9	50.3	08:45 PM - 08:50 PM	52.2	50.8	11:25 PM - 11:30 PM	50.3	48.0	11:25 PM - 11:30 PM	50.3	48.0
06:10 PM - 06:15 PM	53.1	51.7	08:50 PM - 08:55 PM	52.3	50.5	11:30 PM - 11:35 PM	51.0	49.0	11:30 PM - 11:35 PM	51.0	49.0
06:15 PM - 06:20 PM	54.0	53.0	08:55 PM - 09:00 PM	52.6	50.4	11:35 PM - 11:40 PM	51.1	48.9	11:35 PM - 11:40 PM	51.1	48.9
06:20 PM - 06:25 PM	53.3	52.1	09:00 PM - 09:05 PM	52.7	50.3	11:40 PM - 11:45 PM	51.3	49.2	11:40 PM - 11:45 PM	51.3	49.2
06:25 PM - 06:30 PM	53.0	51.8	09:05 PM - 09:10 PM	51.3	49.3	11:45 PM - 11:50 PM	51.0	48.7	11:45 PM - 11:50 PM	51.0	48.7
06:30 PM - 06:35 PM	54.2	52.8	09:10 PM - 09:15 PM	51.0	49.3	11:50 PM - 11:55 PM	50.7	48.0	11:50 PM - 11:55 PM	50.7	48.0
06:35 PM - 06:40 PM	53.8	52.1	09:15 PM - 09:20 PM	50.6	49.1	11:55 PM - 12:00 AM	50.8	48.4	11:55 PM - 12:00 AM	50.8	48.4
06:40 PM - 06:45 PM	53.4	51.8	09:20 PM - 09:25 PM	52.1	49.9	12:00 AM - 12:05 AM	50.2	47.5	12:00 AM - 12:05 AM	50.2	47.5
06:45 PM - 06:50 PM	56.7	53.4	09:25 PM - 09:30 PM	50.5	48.8	12:05 AM - 12:10 AM	49.6	47.6	12:05 AM - 12:10 AM	49.6	47.6
06:50 PM - 06:55 PM	54.1	52.5	09:30 PM - 09:35 PM	50.1	48.7	12:10 AM - 12:15 AM	49.3	47.6	12:10 AM - 12:15 AM	49.3	47.6
06:55 PM - 07:00 PM	54.2	52.3	09:35 PM - 09:40 PM	50.6	49.3	12:15 AM - 12:20 AM	48.7	47.1	12:15 AM - 12:20 AM	48.7	47.1
07:00 PM - 07:05 PM	54.6	52.8	09:40 PM - 09:45 PM	50.1	48.8	12:20 AM - 12:25 AM	49.9	47.6	12:20 AM - 12:25 AM	49.9	47.6
07:05 PM - 07:10 PM	54.1	52.2	09:45 PM - 09:50 PM	50.0	48.5	12:25 AM - 12:30 AM	50.4	47.7	12:25 AM - 12:30 AM	50.4	47.7
07:10 PM - 07:15 PM	53.5	52.2	09:50 PM - 09:55 PM	50.4	48.7	12:30 AM - 12:35 AM	50.6	48.4	12:30 AM - 12:35 AM	50.6	48.4
07:15 PM - 07:20 PM	53.7	52.2	09:55 PM - 10:00 PM	50.6	48.7	12:35 AM - 12:40 AM	49.7	47.9	12:35 AM - 12:40 AM	49.7	47.9
07:20 PM - 07:25 PM	53.3	51.6	10:00 PM - 10:05 PM	51.3	49.1	12:40 AM - 12:45 AM	50.2	48.2	12:40 AM - 12:45 AM	50.2	48.2
07:25 PM - 07:30 PM	53.2	51.5	10:05 PM - 10:10 PM	49.7	48.1	12:45 AM - 12:50 AM	49.6	47.4	12:45 AM - 12:50 AM	49.6	47.4
07:30 PM - 07:35 PM	52.7	51.3	10:10 PM - 10:15 PM	49.6	48.0	12:50 AM - 12:55 AM	49.0	47.5	12:50 AM - 12:55 AM	49.0	47.5
07:35 PM - 07:40 PM	52.1	50.5	10:15 PM - 10:20 PM	50.1	48.5	12:55 AM - 01:00 AM	50.1	47.9	12:55 AM - 01:00 AM	50.1	47.9
07:40 PM - 07:45 PM	56.8	53.6	10:20 PM - 10:25 PM	50.0	48.1	01:00 AM - 01:05 AM	49.9	47.3	01:00 AM - 01:05 AM	49.9	47.3
07:45 PM - 07:50 PM	55.3	52.7	10:25 PM - 10:30 PM	49.5	47.8	01:05 AM - 01:10 AM	50.2	47.6	01:05 AM - 01:10 AM	50.2	47.6
07:50 PM - 07:55 PM	55.6	52.9	10:30 PM - 10:35 PM	49.9	48.1	01:10 AM - 01:15 AM	50.4	47.8	01:10 AM - 01:15 AM	50.4	47.8
07:55 PM - 08:00 PM	59.7	55.0	10:35 PM - 10:40 PM	49.9	48.1	01:15 AM - 01:20 AM	49.9	47.3	01:15 AM - 01:20 AM	49.9	47.3
08:00 PM - 08:05 PM	59.3	55.5	10:40 PM - 10:45 PM	49.2	47.3	01:20 AM - 01:25 AM	50.1	47.5	01:20 AM - 01:25 AM	50.1	47.5
08:05 PM - 08:10 PM	59.5	56.7	10:45 PM - 10:50 PM	49.0	47.3	01:25 AM - 01:30 AM	49.9	47.6	01:25 AM - 01:30 AM	49.9	47.6
08:10 PM - 08:15 PM	57.8	53.3	10:50 PM - 10:55 PM	50.6	48.1	01:30 AM - 01:35 AM	49.4	46.7	01:30 AM - 01:35 AM	49.4	46.7
08:15 PM - 08:20 PM	55.0	52.0	10:55 PM - 11:00 PM	51.5	49.4	01:35 AM - 01:40 AM	49.2	46.3	01:35 AM - 01:40 AM	49.2	46.3
08:20 PM - 08:25 PM	54.6	51.9	11:00 PM - 11:05 PM	51.6	49.4	01:40 AM - 01:45 AM	49.3	46.3	01:40 AM - 01:45 AM	49.3	46.3
08:25 PM - 08:30 PM	53.0	50.6	11:05 PM - 11:10 PM	47.6	42.9	01:45 AM - 01:50 AM	49.6	46.4	01:45 AM - 01:50 AM	49.6	46.4
08:30 PM - 08:35 PM	50.4	49.2	11:10 PM - 11:15 PM	47.7	45.9	01:50 AM - 01:55 AM	49.1	46.0	01:50 AM - 01:55 AM	49.1	46.0
08:35 PM - 08:40 PM	51.4	50.0	11:15 PM - 11:20 PM	50.2	47.7	01:55 AM - 02:00 AM	49.5	46.1	01:55 AM - 02:00 AM	49.5	46.1

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Approved by

Sarayuht Jitranont
Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599077
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3460162-1



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599077
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3460163-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample Number 2599077-42
Parameter Noise Level (Leq 5 min)
Location บ้านฉางอะไหล่เหล็กโรงงานท่าเรือแหลมฉบัง (N6) (GPS 47P 0744953, 1428691)
Measurement Date Nov 22 - Nov 23, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531294

Nov 22, 2025	Leq	L90	Nov 22, 2025	Leq	L90	Nov 22 - Nov 23, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
06:00 PM - 06:05 PM	47.7	45.5	08:40 PM - 08:45 PM	51.3	49.7	11:20 PM - 11:25 PM	48.8	47.6
06:05 PM - 06:10 PM	48.4	46.5	08:45 PM - 08:50 PM	51.3	49.5	11:25 PM - 11:30 PM	49.0	47.8
06:10 PM - 06:15 PM	49.9	47.3	08:50 PM - 08:55 PM	51.1	49.4	11:30 PM - 11:35 PM	51.5	48.3
06:15 PM - 06:20 PM	53.3	50.9	08:55 PM - 09:00 PM	51.8	49.9	11:35 PM - 11:40 PM	49.5	47.7
06:20 PM - 06:25 PM	54.7	53.7	09:00 PM - 09:05 PM	51.8	49.9	11:40 PM - 11:45 PM	49.4	47.8
06:25 PM - 06:30 PM	54.8	53.8	09:05 PM - 09:10 PM	50.8	49.2	11:45 PM - 11:50 PM	49.2	47.9
06:30 PM - 06:35 PM	54.4	53.0	09:10 PM - 09:15 PM	51.8	50.0	11:50 PM - 11:55 PM	48.6	47.2
06:35 PM - 06:40 PM	54.5	53.5	09:15 PM - 09:20 PM	51.9	50.5	11:55 PM - 12:00 AM	48.7	47.2
06:40 PM - 06:45 PM	54.3	52.8	09:20 PM - 09:25 PM	51.0	49.5	12:00 AM - 12:05 AM	48.2	46.7
06:45 PM - 06:50 PM	53.0	51.3	09:25 PM - 09:30 PM	50.2	48.7	12:05 AM - 12:10 AM	48.1	46.7
06:50 PM - 06:55 PM	53.1	51.7	09:30 PM - 09:35 PM	50.3	48.7	12:10 AM - 12:15 AM	48.8	46.8
06:55 PM - 07:00 PM	53.5	52.0	09:35 PM - 09:40 PM	50.2	48.5	12:15 AM - 12:20 AM	48.3	46.8
07:00 PM - 07:05 PM	53.1	51.4	09:40 PM - 09:45 PM	50.7	49.0	12:20 AM - 12:25 AM	48.6	47.2
07:05 PM - 07:10 PM	53.6	52.1	09:45 PM - 09:50 PM	51.3	49.7	12:25 AM - 12:30 AM	48.6	47.1
07:10 PM - 07:15 PM	54.3	52.2	09:50 PM - 09:55 PM	51.3	49.9	12:30 AM - 12:35 AM	48.6	47.2
07:15 PM - 07:20 PM	55.6	52.2	09:55 PM - 10:00 PM	51.0	48.8	12:35 AM - 12:40 AM	48.6	47.2
07:20 PM - 07:25 PM	53.7	51.9	10:00 PM - 10:05 PM	51.9	49.5	12:40 AM - 12:45 AM	47.7	46.4
07:25 PM - 07:30 PM	54.0	52.0	10:05 PM - 10:10 PM	50.8	48.5	12:45 AM - 12:50 AM	48.4	47.0
07:30 PM - 07:35 PM	53.8	51.3	10:10 PM - 10:15 PM	50.3	48.8	12:50 AM - 12:55 AM	47.6	46.5
07:35 PM - 07:40 PM	53.5	51.7	10:15 PM - 10:20 PM	50.3	48.3	12:55 AM - 01:00 AM	47.7	46.5
07:40 PM - 07:45 PM	52.7	50.7	10:20 PM - 10:25 PM	49.9	47.9	01:00 AM - 01:05 AM	47.4	46.2
07:45 PM - 07:50 PM	51.7	50.1	10:25 PM - 10:30 PM	49.6	47.5	01:05 AM - 01:10 AM	47.6	46.5
07:50 PM - 07:55 PM	52.2	50.5	10:30 PM - 10:35 PM	50.2	48.0	01:10 AM - 01:15 AM	47.9	46.6
07:55 PM - 08:00 PM	52.5	50.7	10:35 PM - 10:40 PM	49.6	47.7	01:15 AM - 01:20 AM	47.9	46.7
08:00 PM - 08:05 PM	52.3	50.0	10:40 PM - 10:45 PM	49.7	48.1	01:20 AM - 01:25 AM	47.5	46.2
08:05 PM - 08:10 PM	52.1	49.9	10:45 PM - 10:50 PM	49.6	47.7	01:25 AM - 01:30 AM	47.4	46.0
08:10 PM - 08:15 PM	52.7	50.9	10:50 PM - 10:55 PM	50.2	48.4	01:30 AM - 01:35 AM	47.3	45.7
08:15 PM - 08:20 PM	52.0	50.5	10:55 PM - 11:00 PM	50.1	48.6	01:35 AM - 01:40 AM	47.5	46.0
08:20 PM - 08:25 PM	51.0	48.8	11:00 PM - 11:05 PM	50.0	48.2	01:40 AM - 01:45 AM	47.9	46.4
08:25 PM - 08:30 PM	51.3	49.5	11:05 PM - 11:10 PM	49.0	47.4	01:45 AM - 01:50 AM	47.5	45.9
08:30 PM - 08:35 PM	51.2	49.4	11:10 PM - 11:15 PM	49.6	48.0	01:50 AM - 01:55 AM	47.4	45.9
08:35 PM - 08:40 PM	51.5	49.7	11:15 PM - 11:20 PM	49.2	47.9	01:55 AM - 02:00 AM	47.1	45.8

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Approved by


Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599077
Date Received :Nov 24, 2025
Date Reported :Nov 29, 2025
Report Number :3460163-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample Number 2599077-42
Parameter Noise Level (Leq 5 min)
Location บ้านฉางอะไหล่เหล็กโรงงานท่าเรือแหลมฉบัง (N6) (GPS 47P 0744953, 1428691)
Measurement Date Nov 22 - Nov 23, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 531294

Nov 23, 2025	Leq	L90	Nov 23, 2025	Leq	L90	Nov 23, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
02:00 AM - 02:05 AM	47.1	45.8	04:40 AM - 04:45 AM	44.9	43.5	07:20 AM - 07:25 AM	46.9	45.5
02:05 AM - 02:10 AM	47.8	46.1	04:45 AM - 04:50 AM	45.4	44.0	07:25 AM - 07:30 AM	47.5	45.9
02:10 AM - 02:15 AM	47.1	45.7	04:50 AM - 04:55 AM	45.4	44.1	07:30 AM - 07:35 AM	47.3	45.5
02:15 AM - 02:20 AM	46.2	45.0	04:55 AM - 05:00 AM	45.2	43.8	07:35 AM - 07:40 AM	47.8	45.7
02:20 AM - 02:25 AM	45.8	44.3	05:00 AM - 05:05 AM	44.9	43.5	07:40 AM - 07:45 AM	47.8	45.3
02:25 AM - 02:30 AM	45.6	44.1	05:05 AM - 05:10 AM	45.4	43.9	07:45 AM - 07:50 AM	46.7	44.6
02:30 AM - 02:35 AM	46.4	44.8	05:10 AM - 05:15 AM	45.1	43.8	07:50 AM - 07:55 AM	46.4	44.9
02:35 AM - 02:40 AM	46.4	44.9	05:15 AM - 05:20 AM	44.8	43.8	07:55 AM - 08:00 AM	46.9	44.2
02:40 AM - 02:45 AM	46.5	44.7	05:20 AM - 05:25 AM	44.0	42.6	08:00 AM - 08:05 AM	47.8	45.6
02:45 AM - 02:50 AM	46.6	45.1	05:25 AM - 05:30 AM	43.5	42.2	08:05 AM - 08:10 AM	48.1	46.2
02:50 AM - 02:55 AM	45.6	44.1	05:30 AM - 05:35 AM	46.1	42.8	08:10 AM - 08:15 AM	48.1	46.2
02:55 AM - 03:00 AM	45.9	44.8	05:35 AM - 05:40 AM	44.5	43.0	08:15 AM - 08:20 AM	48.3	46.4
03:00 AM - 03:05 AM	45.9	44.7	05:40 AM - 05:45 AM	44.9	43.5	08:20 AM - 08:25 AM	49.0	46.5
03:05 AM - 03:10 AM	45.6	44.4	05:45 AM - 05:50 AM	46.2	44.0	08:25 AM - 08:30 AM	50.1	47.5
03:10 AM - 03:15 AM	46.0	44.5	05:50 AM - 05:55 AM	46.4	43.4	08:30 AM - 08:35 AM	50.2	48.3
03:15 AM - 03:20 AM	47.1	44.6	05:55 AM - 06:00 AM	44.4	43.1	08:35 AM - 08:40 AM	49.9	47.0
03:20 AM - 03:25 AM	45.4	43.8	06:00 AM - 06:05 AM	45.9	44.3	08:40 AM - 08:45 AM	50.0	47.1
03:25 AM - 03:30 AM	45.6	44.2	06:05 AM - 06:10 AM	45.5	44.3	08:45 AM - 08:50 AM	52.3	48.7
03:30 AM - 03:35 AM	46.0	44.3	06:10 AM - 06:15 AM	46.2	44.8	08:50 AM - 08:55 AM	55.5	49.4
03:35 AM - 03:40 AM	45.5	44.3	06:15 AM - 06:20 AM	46.3	44.4	08:55 AM - 09:00 AM	51.8	49.9
03:40 AM - 03:45 AM	44.7	43.1	06:20 AM - 06:25 AM	47.0	44.5	09:00 AM - 09:05 AM	52.6	50.7
03:45 AM - 03:50 AM	44.2	42.8	06:25 AM - 06:30 AM	45.7	44.5	09:05 AM - 09:10 AM	50.7	48.3
03:50 AM - 03:55 AM	45.2	42.4	06:30 AM - 06:35 AM	45.9	44.8	09:10 AM - 09:15 AM	54.7	50.7
03:55 AM - 04:00 AM	46.4	44.7	06:35 AM - 06:40 AM	46.3	45.1	09:15 AM - 09:20 AM	52.2	48.7
04:00 AM - 04:05 AM	45.4	44.2	06:40 AM - 06:45 AM	46.7	45.2	09:20 AM - 09:25 AM	57.1	51.0
04:05 AM - 04:10 AM	45.4	44.1	06:45 AM - 06:50 AM	46.6	45.3	09:25 AM - 09:30 AM	53.3	50.1
04:10 AM - 04:15 AM	45.3	43.7	06:50 AM - 06:55 AM	46.9	45.4	09:30 AM - 09:35 AM	54.7	50.3
04:15 AM - 04:20 AM	44.4	43.2	06:55 AM - 07:00 AM	46.2	44.9	09:35 AM - 09:40 AM	55.1	51.3
04:20 AM - 04:25 AM	44.8	43.3	07:00 AM - 07:05 AM	46.1	44.8	09:40 AM - 09:45 AM	54.5	50.6
04:25 AM - 04:30 AM	44.9	43.5	07:05 AM - 07:10 AM	47.2	45.5	09:45 AM - 09:50 AM	58.0	54.1
04:30 AM - 04:35 AM	44.3	43.6	07:10 AM - 07:15 AM	47.9	46.0	09:50 AM - 09:55 AM	54.4	50.9
04:35 AM - 04:40 AM	44.8	43.5	07:15 AM - 07:20 AM	47.6	45.7	09:55 AM - 10:00 AM	53.2	50.1

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Approved by


Sarayuth Jitranont
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ภาคผนวก ค-5

ผลการตรวจวัดระดับเสียงรบกวน

ระดับเสียงขณะมีการรบกวน (Operate)



Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459172-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. 2599078-1
Parameter เสียงรบกวน
Location โรงเรือนฆ่าเชื้อ (ค.แม่ช้าง) (N1) (GPS 47 0746540, 1426059)
Measurement Date Nov 16 - 17, 2025
Measurement by Apichart Wilars
Sound Level Meter 531309

Page 1 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	44.0	44.7	n/a	-	41.4	-
11:00 AM - 12:00 PM	46.3	46.6	n/a	-	41.6	-
12:00 PM - 01:00 PM	44.5	45.0	n/a	-	41.2	-
01:00 PM - 02:00 PM	44.7	44.5	31.2	-	41.4	-10.2
02:00 PM - 03:00 PM	44.6	46.8	n/a	-	41.4	-
03:00 PM - 04:00 PM	50.5	48.5	46.3	-	41.2	7.1
04:00 PM - 05:00 PM	44.9	45.9	n/a	-	42.4	-
05:00 PM - 06:00 PM	45.3	47.7	n/a	-	44.2	-
06:00 PM - 07:00 PM	48.9	50.6	n/a	-	48.4	-
07:00 PM - 08:00 PM	46.5	52.1	n/a	-	49.2	-
08:00 PM - 09:00 PM	46.5	48.8	n/a	-	47.3	-
09:00 PM - 10:00 PM	43.9	47.0	n/a	-	45.7	-
10:00 PM - 10:05 PM	45.3	48.5	n/a	-	47.8	-
10:05 PM - 10:10 PM	45.1	48.4	-	n/a	47.4	-
10:10 PM - 10:15 PM	45.1	48.1	-	n/a	47.0	-
10:15 PM - 10:20 PM	44.9	48.4	-	n/a	47.6	-
10:20 PM - 10:25 PM	47.1	48.4	-	n/a	47.6	-
10:25 PM - 10:30 PM	46.3	48.1	-	n/a	47.4	-
10:30 PM - 10:35 PM	45.8	48.1	-	n/a	47.2	-
10:35 PM - 10:40 PM	45.7	47.6	-	n/a	46.7	-
10:40 PM - 10:45 PM	44.1	47.4	-	n/a	46.5	-
10:45 PM - 10:50 PM	44.4	47.1	-	n/a	46.7	-
10:50 PM - 10:55 PM	45.0	47.0	-	n/a	46.6	-
10:55 PM - 11:00 PM	44.8	47.2	-	n/a	46.7	-
11:00 PM - 11:05 PM	44.8	47.7	-	n/a	47.1	-
11:05 PM - 11:10 PM	44.9	48.4	-	n/a	47.9	-
11:10 PM - 11:15 PM	44.6	48.4	-	n/a	47.8	-
11:15 PM - 11:20 PM	45.4	48.4	-	n/a	47.7	-
11:20 PM - 11:25 PM	44.7	48.0	-	n/a	47.4	-
11:25 PM - 11:30 PM	44.9	48.3	-	n/a	47.2	-
11:30 PM - 11:35 PM	44.7	47.3	-	n/a	46.8	-
11:35 PM - 11:40 PM	44.4	48.1	-	n/a	46.9	-
11:40 PM - 11:45 PM	45.0	47.9	-	n/a	47.0	-
11:45 PM - 11:50 PM	44.6	46.7	-	n/a	45.9	-
11:50 PM - 11:55 PM	44.6	46.8	-	n/a	45.8	-
11:55 PM - 12:00 AM	44.7	46.8	-	n/a	45.8	-
12:00 AM - 12:05 AM	44.7	45.5	-	n/a	45.5	-
12:05 AM - 12:10 AM	44.5	46.2	-	n/a	45.4	-
12:10 AM - 12:15 AM	44.1	45.9	-	n/a	45.3	-
12:15 AM - 12:20 AM	44.0	45.8	-	n/a	45.0	-

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Wilawan Borik
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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459172-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. 2599078-1
Parameter เสียงรบกวน
Location โรงเรือนฆ่าเชื้อ (ค.แม่ช้าง) (N1) (GPS 47 0746540, 1426059)
Measurement Date Nov 16 - 17, 2025
Measurement by Apichart Wilars
Sound Level Meter 531309

Page 2 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
12:20 AM - 12:25 AM	43.8	46.2	-	n/a	45.6	-
12:25 AM - 12:30 AM	43.9	47.0	-	n/a	46.4	-
12:30 AM - 12:35 AM	44.1	47.8	-	n/a	46.3	-
12:35 AM - 12:40 AM	44.5	48.4	-	n/a	46.4	-
12:40 AM - 12:45 AM	45.5	47.2	-	n/a	46.4	-
12:45 AM - 12:50 AM	45.0	47.2	-	n/a	46.6	-
12:50 AM - 12:55 AM	44.3	47.1	-	n/a	46.7	-
12:55 AM - 01:00 AM	44.9	47.5	-	n/a	46.6	-
01:00 AM - 01:05 AM	44.9	47.1	-	n/a	46.5	-
01:05 AM - 01:10 AM	44.8	46.6	-	n/a	45.9	-
01:10 AM - 01:15 AM	44.3	46.6	-	n/a	45.7	-
01:15 AM - 01:20 AM	44.6	46.7	-	n/a	46.1	-
01:20 AM - 01:25 AM	44.9	46.8	-	n/a	46.2	-
01:25 AM - 01:30 AM	45.1	46.9	-	n/a	46.1	-
01:30 AM - 01:35 AM	44.8	46.8	-	n/a	46.1	-
01:35 AM - 01:40 AM	44.6	46.8	-	n/a	46.2	-
01:40 AM - 01:45 AM	44.1	46.5	-	n/a	45.8	-
01:45 AM - 01:50 AM	44.4	46.2	-	n/a	45.7	-
01:50 AM - 01:55 AM	43.9	45.9	-	n/a	45.3	-
01:55 AM - 02:00 AM	43.7	45.6	-	n/a	45.0	-
02:00 AM - 02:05 AM	44.2	46.2	-	n/a	45.2	-
02:05 AM - 02:10 AM	44.1	46.2	-	n/a	45.2	-
02:10 AM - 02:15 AM	44.1	46.5	-	n/a	45.5	-
02:15 AM - 02:20 AM	44.6	47.3	-	n/a	45.7	-
02:20 AM - 02:25 AM	45.8	46.4	-	n/a	45.4	-
02:25 AM - 02:30 AM	44.3	46.5	-	n/a	45.8	-
02:30 AM - 02:35 AM	44.5	46.0	-	n/a	45.8	-
02:35 AM - 02:40 AM	44.5	46.5	-	n/a	46.1	-
02:40 AM - 02:45 AM	45.0	46.3	-	n/a	46.8	-
02:45 AM - 02:50 AM	45.2	46.8	-	n/a	46.1	-
02:50 AM - 02:55 AM	44.2	46.3	-	n/a	45.7	-
02:55 AM - 03:00 AM	44.3	45.6	-	n/a	45.0	-
03:00 AM - 03:05 AM	44.3	45.7	-	n/a	45.1	-
03:05 AM - 03:10 AM	44.0	46.0	-	n/a	45.4	-
03:10 AM - 03:15 AM	44.0	45.8	-	n/a	45.0	-
03:15 AM - 03:20 AM	43.7	45.9	-	n/a	45.2	-
03:20 AM - 03:25 AM	44.1	46.2	-	n/a	45.5	-
03:25 AM - 03:30 AM	44.1	46.1	-	n/a	45.3	-
03:30 AM - 03:35 AM	44.1	46.4	-	n/a	45.5	-
03:35 AM - 03:40 AM	44.7	46.0	-	n/a	45.3	-

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459172-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. 2599078-1
Parameter เสียงรบกวน
Location โรงเรือนฆ่าเชื้อ (ค.แม่ช้าง) (N1) (GPS 47 0746540, 1426059)
Measurement Date Nov 16 - 17, 2025
Measurement by Apichart Wilars
Sound Level Meter 531309

Page 3 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	45.0	45.9	-	n/a	45.3	-
03:45 AM - 03:50 AM	44.2	46.2	-	n/a	45.3	-
03:50 AM - 03:55 AM	43.9	46.5	-	n/a	45.5	-
03:55 AM - 04:00 AM	43.7	46.7	-	n/a	45.7	-
04:00 AM - 04:05 AM	43.8	46.9	-	n/a	45.6	-
04:05 AM - 04:10 AM	43.8	47.2	-	n/a	46.0	-
04:10 AM - 04:15 AM	43.8	47.0	-	n/a	45.7	-
04:15 AM - 04:20 AM	43.8	47.2	-	n/a	45.8	-
04:20 AM - 04:25 AM	43.9	47.8	-	n/a	46.1	-
04:25 AM - 04:30 AM	44.4	47.4	-	n/a	46.1	-
04:30 AM - 04:35 AM	44.4	48.0	-	n/a	46.7	-
04:35 AM - 04:40 AM	44.4	48.7	-	n/a	46.9	-
04:40 AM - 04:45 AM	44.2	48.9	-	n/a	47.2	-
04:45 AM - 04:50 AM	46.2	49.2	-	n/a	47.9	-
04:50 AM - 04:55 AM	44.4	49.4	-	n/a	48.2	-
04:55 AM - 05:00 AM	44.6	49.8	-	n/a	48.8	-
05:00 AM - 05:05 AM	44.4	49.8	-	n/a	48.7	-
05:05 AM - 05:10 AM	44.8	49.9	-	n/a	48.8	-
05:10 AM - 05:15 AM	45.1	49.5	-	n/a	48.2	-
05:15 AM - 05:20 AM	44.8	49.8	-	n/a	49.1	-
05:20 AM - 05:25 AM	44.3	50.5	-	n/a	49.5	-
05:25 AM - 05:30 AM	44.7	51.3	-	n/a	49.8	-
05:30 AM - 05:35 AM	45.9	51.0	-	n/a	50.3	-
05:35 AM - 05:40 AM	46.6	51.1	-	n/a	50.3	-
05:40 AM - 05:45 AM	47.9	51.5	-	n/a	49.6	-
05:45 AM - 05:50 AM	47.5	50.3	-	n/a	49.2	-
05:50 AM - 05:55 AM	46.7	50.4	-	n/a	49.4	-
05:55 AM - 06:00 AM	49.5	50.1	-	n/a	49.4	-
06:00 AM - 07:00 AM	46.9	49.6	n/a	-	48.1	-
07:00 AM - 08:00 AM	47.9	48.9	n/a	-	45.4	-
08:00 AM - 09:00 AM	46.9	48.5	n/a	-	44.0	-
09:00 AM - 10:00 AM	45.1	47.9	n/a	-	43.6	-

ค่ามาตรฐาน

Reference Method :

1. ISO 1996-1

2. ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงขณะไม่มีการรบกวน การตรวจวัดเสียงขณะมีการรบกวนระดับเสียงขณะมีการรบกวน การคำนวณค่าระดับเสียงรบกวน และแบบวิธีการตรวจวัดเสียงรบกวน พ.ศ. 2565

หมายเหตุ :

ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 29 (พ.ศ.2550) เรื่อง ค่าระดับเสียงรบกวน

Remark:

1. ระดับเสียงจากแหล่งกำเนิด จากการตรวจวัด วันที่ 16-17 พฤศจิกายน 2568

2. ระดับเสียงพื้นฐานและเสียงขณะไม่มีการรบกวน (Sample No. 2599080-1) จากการตรวจวัด วันที่ 16-17 พฤศจิกายน 2568

3. ภาวะ : ไม่สามารถตรวจวัดระดับเสียงขณะมีการรบกวนได้ เนื่องจากระดับเสียงจากแหล่งกำเนิดมีการเปลี่ยนแปลงเสียงขณะไม่มีการรบกวน

The above results are valid only for the analysed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wibb.
Wilawan Borik
Manager

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459173-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. 2599078-2
Parameter เสียงรบกวน
Location โรงเรือนฆ่าเชื้อ (ค.แม่ช้าง) (N1) (GPS 47 0746540, 1426059)
Measurement Date Nov 17 - 18, 2025
Measurement by Apichart Wilars
Sound Level Meter 531309

Page 1 of 3

จุดสนใจเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	45.7	51.4	n/a	-	46.7	-
11:00 AM - 12:00 PM	46.7	59.3	n/a	-	53.5	-
12:00 PM - 01:00 PM	47.3	56.9	n/a	-	48.5	-
01:00 PM - 02:00 PM	44.6	54.1	n/a	-	48.5	-
02:00 PM - 03:00 PM	45.7	50.9	n/a	-	45.8	-
03:00 PM - 04:00 PM	48.5	52.8	n/a	-	47.7	-
04:00 PM - 05:00 PM	44.8	46.7	n/a	-	43.1	-
05:00 PM - 06:00 PM	44.9	47.6	n/a	-	44.4	-
06:00 PM - 07:00 PM	52.3	52.2	35.9	-	50.9	-15.0
07:00 PM - 08:00 PM	51.5	53.0	n/a	-	51.9	-
08:00 PM - 09:00 PM	48.5	51.7	n/a	-	50.3	-
09:00 PM - 10:00 PM	46.4	49.8	n/a	-	48.0	-
10:00 PM - 10:05 PM	46.2	48.8	-	n/a	47.9	-
10:05 PM - 10:10 PM	48.1	46.7	-	n/a	47.8	-
10:10 PM - 10:15 PM	45.3	48.9	-	n/a	47.7	-
10:15 PM - 10:20 PM	45.3	48.8	-	n/a	46.9	-
10:20 PM - 10:25 PM	45.0	47.5	-	n/a	46.7	-
10:25 PM - 10:30 PM	45.2	46.6	-	n/a	45.8	-
10:30 PM - 10:35 PM	45.4	49.3	-	n/a	45.9	-
10:35 PM - 10:40 PM	47.8	47.0	-	43.1	45.7	-2.6
10:40 PM - 10:45 PM	47.9	48.1	-	n/a	47.4	-
10:45 PM - 10:50 PM	48.2	48.1	-	34.8	47.4	-12.6
10:50 PM - 10:55 PM	47.9	47.7	-	37.4	46.9	-9.5
10:55 PM - 11:00 PM	46.2	47.3	-	n/a	46.5	-
11:00 PM - 11:05 PM	47.3	48.6	-	n/a	46.4	-
11:05 PM - 11:10 PM	46.8	47.7	-	n/a	46.5	-
11:10 PM - 11:15 PM	47.8	47.4	-	40.2	46.5	-6.3
11:15 PM - 11:20 PM	47.9	47.4	-	41.3	46.5	-5.2
11:20 PM - 11:25 PM	48.5	47.3	-	45.3	46.6	-1.3
11:25 PM - 11:30 PM	48.3	47.5	-	43.6	46.8	-3.2
11:30 PM - 11:35 PM	48.3	47.5	-	43.6	46.5	-2.9
11:35 PM - 11:40 PM	47.5	46.0	-	45.2	45.5	-0.3
11:40 PM - 11:45 PM	46.4	46.3	-	33.0	45.7	-12.7
11:45 PM - 11:50 PM	44.7	46.2	-	n/a	45.8	-
11:50 PM - 11:55 PM	44.7	46.3	-	n/a	45.7	-
11:55 PM - 12:00 AM	44.6	46.4	-	n/a	45.7	-
12:00 AM - 12:05 AM	44.3	46.0	-	n/a	45.3	-
12:05 AM - 12:10 AM	44.6	46.3	-	n/a	45.6	-
12:10 AM - 12:15 AM	44.7	46.3	-	n/a	45.4	-
12:15 AM - 12:20 AM	45.9	46.8	n/a	-	46.9	-



Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459175-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-3
Parameter : เสียงรบกวน
Location : โรงเชื่อมแบบถ้ำ (ถ.แม่ท่า) (N1) (GPS 47P 0746540, 1426059)
Measurement Date : Nov 18 - 19, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531309

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน ไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	44.2	47.4	-	n/a	46.7	-
03:45 AM - 03:50 AM	44.3	48.4	-	n/a	47.2	-
03:50 AM - 03:55 AM	44.9	48.3	-	n/a	47.4	-
03:55 AM - 04:00 AM	45.2	48.5	-	n/a	47.7	-
04:00 AM - 04:05 AM	45.4	49.0	-	n/a	48.2	-
04:05 AM - 04:10 AM	45.4	48.9	-	n/a	48.1	-
04:10 AM - 04:15 AM	45.1	49.2	-	n/a	48.3	-
04:15 AM - 04:20 AM	45.2	49.6	-	n/a	48.8	-
04:20 AM - 04:25 AM	45.2	49.9	-	n/a	49.1	-
04:25 AM - 04:30 AM	45.5	50.1	-	n/a	49.3	-
04:30 AM - 04:35 AM	45.5	50.1	-	n/a	49.3	-
04:35 AM - 04:40 AM	45.2	50.1	-	n/a	49.4	-
04:40 AM - 04:45 AM	45.2	50.3	-	n/a	49.5	-
04:45 AM - 04:50 AM	45.2	50.6	-	n/a	49.8	-
04:50 AM - 04:55 AM	45.5	50.4	-	n/a	49.6	-
04:55 AM - 05:00 AM	45.5	50.6	-	n/a	49.9	-
05:00 AM - 05:05 AM	45.4	50.4	-	n/a	49.4	-
05:05 AM - 05:10 AM	45.6	50.3	-	n/a	49.4	-
05:10 AM - 05:15 AM	45.4	50.4	-	n/a	49.5	-
05:15 AM - 05:20 AM	44.9	50.5	-	n/a	49.8	-
05:20 AM - 05:25 AM	45.6	50.4	-	n/a	49.6	-
05:25 AM - 05:30 AM	45.3	51.0	-	n/a	49.9	-
05:30 AM - 05:35 AM	46.0	51.0	-	n/a	50.2	-
05:35 AM - 05:40 AM	46.5	51.4	-	n/a	50.6	-
05:40 AM - 05:45 AM	49.6	51.4	-	n/a	50.5	-
05:45 AM - 05:50 AM	46.7	52.3	-	n/a	51.1	-
05:50 AM - 05:55 AM	52.6	51.7	-	n/a	51.1	-2.8
05:55 AM - 06:00 AM	54.0	51.9	-	52.8	51.2	1.6
06:00 AM - 07:00 AM	54.6	51.4	51.8	-	50.4	1.4
07:00 AM - 08:00 AM	52.1	50.7	46.5	-	48.6	-2.1
08:00 AM - 09:00 AM	49.1	50.5	n/a	-	46.5	-
09:00 AM - 10:00 AM	52.8	50.8	48.5	-	46.7	1.8
ค่าเฉลี่ยรวม						≤ 10

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงพื้นฐาน ระดับเสียงรบกวนไม่มีการรบกวน การตรวจวัดค่ามาตรฐานระดับเสียงรบกวนไม่มีการรบกวน การคำนวณค่าระดับเสียงรบกวน และแบบบันทึกการตรวจวัดเสียงรบกวน พ.ศ. 2565

หมายเหตุ : ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 29 (พ.ศ.2550) เรื่อง ค่าระดับเสียงรบกวน

- ระดับเสียงจากแหล่งกำเนิด จากการตรวจวัด วันที่ 18-19 พฤศจิกายน 2568
- ระดับเสียงพื้นฐานและระดับเสียงรบกวนไม่มีการรบกวน (Sample No.2599080-3) ตรวจวัดวันที่ 18-19 พฤศจิกายน 2568
- ทุกค่าที่ได้มาจากการคำนวณระดับเสียงรบกวนไม่มีการรบกวนได้ เนื่องจากระดับเสียงจากแหล่งกำเนิดไม่มีการระบุเสียงรบกวนไม่มีการรบกวน

The above results are valid only for the analysed/checked sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459175-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-4
Parameter : เสียงรบกวน
Location : โรงเชื่อมแบบถ้ำ (ถ.แม่ท่า) (N1) (GPS 47P 0746540, 1426059)
Measurement Date : Nov 19 - 20, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531309

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน ไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
12:20 AM - 12:25 AM	46.5	48.8	-	n/a	46.4	-
12:25 AM - 12:30 AM	48.8	48.2	-	42.9	46.7	-3.8
12:30 AM - 12:35 AM	46.7	48.3	-	n/a	47.4	-
12:35 AM - 12:40 AM	45.1	48.8	-	n/a	47.0	-
12:40 AM - 12:45 AM	46.3	48.7	-	n/a	47.5	-
12:45 AM - 12:50 AM	46.8	49.0	-	n/a	47.8	-
12:50 AM - 12:55 AM	44.3	49.1	-	n/a	47.9	-
12:55 AM - 01:00 AM	44.0	49.2	-	n/a	48.3	-
01:00 AM - 01:05 AM	45.1	48.7	-	n/a	46.7	-
01:05 AM - 01:10 AM	44.2	47.7	-	n/a	46.9	-
01:10 AM - 01:15 AM	44.5	47.6	-	n/a	46.8	-
01:15 AM - 01:20 AM	44.7	47.4	-	n/a	46.7	-
01:20 AM - 01:25 AM	44.3	47.4	-	n/a	46.3	-
01:25 AM - 01:30 AM	44.4	47.0	-	n/a	46.5	-
01:30 AM - 01:35 AM	44.3	47.0	-	n/a	46.2	-
01:35 AM - 01:40 AM	44.5	47.4	-	n/a	46.6	-
01:40 AM - 01:45 AM	44.6	47.1	-	n/a	46.6	-
01:45 AM - 01:50 AM	44.3	47.7	-	n/a	46.8	-
01:50 AM - 01:55 AM	46.0	47.3	-	n/a	46.4	-
01:55 AM - 02:00 AM	45.8	48.3	-	n/a	46.5	-
02:00 AM - 02:05 AM	47.4	49.2	-	n/a	47.0	-
02:05 AM - 02:10 AM	49.3	49.5	-	n/a	46.8	-
02:10 AM - 02:15 AM	48.2	50.0	-	n/a	46.2	-
02:15 AM - 02:20 AM	49.6	47.8	-	47.9	46.5	1.4
02:20 AM - 02:25 AM	47.0	49.1	-	n/a	46.6	-
02:25 AM - 02:30 AM	48.7	48.8	-	n/a	47.1	-
02:30 AM - 02:35 AM	48.5	48.8	-	n/a	46.9	-
02:35 AM - 02:40 AM	48.2	47.5	-	42.9	46.4	-3.9
02:40 AM - 02:45 AM	46.6	46.9	-	n/a	46.0	-
02:45 AM - 02:50 AM	45.5	47.0	-	n/a	46.2	-
02:50 AM - 02:55 AM	45.8	47.4	-	n/a	46.5	-
02:55 AM - 03:00 AM	46.0	47.2	-	n/a	46.5	-
03:00 AM - 03:05 AM	45.8	47.4	-	n/a	46.3	-
03:05 AM - 03:10 AM	45.9	47.3	-	n/a	46.4	-
03:10 AM - 03:15 AM	45.2	47.2	-	n/a	46.3	-
03:15 AM - 03:20 AM	46.3	47.6	-	n/a	46.5	-
03:20 AM - 03:25 AM	47.3	47.5	-	n/a	46.5	-
03:25 AM - 03:30 AM	46.4	47.7	-	n/a	46.5	-
03:30 AM - 03:35 AM	46.2	47.6	-	n/a	46.8	-
03:35 AM - 03:40 AM	45.6	47.5	-	n/a	46.5	-

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459175-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-4
Parameter : เสียงรบกวน
Location : โรงเชื่อมแบบถ้ำ (ถ.แม่ท่า) (N1) (GPS 47P 0746540, 1426059)
Measurement Date : Nov 19 - 20, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531309

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน ไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	47.9	51.1	n/a	-	47.6	-
11:00 AM - 12:00 PM	49.2	62.4	n/a	-	53.5	-
12:00 PM - 01:00 PM	49.4	52.7	n/a	-	47.9	-
01:00 PM - 02:00 PM	46.5	50.0	n/a	-	46.3	-
02:00 PM - 03:00 PM	47.5	49.2	n/a	-	45.5	-
03:00 PM - 04:00 PM	47.3	48.9	n/a	-	44.9	-
04:00 PM - 05:00 PM	48.0	51.4	n/a	-	48.6	-
05:00 PM - 06:00 PM	46.4	48.0	n/a	-	45.8	-
06:00 PM - 07:00 PM	47.7	49.9	n/a	-	47.8	-
07:00 PM - 08:00 PM	49.3	49.8	39.7	-	47.1	-7.4
08:00 PM - 09:00 PM	45.5	49.1	n/a	-	47.2	-
09:00 PM - 10:00 PM	45.0	47.8	n/a	-	46.4	-
10:00 PM - 10:05 PM	44.9	46.1	n/a	-	46.2	-
10:05 PM - 10:10 PM	44.7	46.2	-	n/a	45.3	-
10:10 PM - 10:15 PM	44.7	46.4	-	n/a	45.6	-
10:15 PM - 10:20 PM	44.6	46.5	-	n/a	45.5	-
10:20 PM - 10:25 PM	44.9	46.5	-	n/a	45.2	-
10:25 PM - 10:30 PM	44.9	46.1	-	n/a	45.1	-
10:30 PM - 10:35 PM	45.5	46.8	-	n/a	45.1	-
10:35 PM - 10:40 PM	45.3	46.5	-	n/a	45.4	-
10:40 PM - 10:45 PM	45.1	47.1	-	n/a	45.9	-
10:45 PM - 10:50 PM	46.1	48.1	-	n/a	45.5	-
10:50 PM - 10:55 PM	46.3	47.8	-	n/a	45.7	-
10:55 PM - 11:00 PM	47.0	50.1	-	n/a	45.2	-
11:00 PM - 11:05 PM	47.7	49.9	-	n/a	45.5	-
11:05 PM - 11:10 PM	47.7	49.9	-	45.8	45.1	0.7
11:10 PM - 11:15 PM	44.9	46.4	-	n/a	45.4	-
11:15 PM - 11:20 PM	44.7	46.3	-	n/a	45.2	-
11:20 PM - 11:25 PM	45.2	51.7	-	n/a	45.8	-
11:25 PM - 11:30 PM	46.5	46.1	-	n/a	45.7	-6.3
11:30 PM - 11:35 PM	44.6	46.4	-	n/a	45.4	-
11:35 PM - 11:40 PM	45.3	46.9	-	n/a	45.7	-
11:40 PM - 11:45 PM	45.0	45.0	-	n/a	45.5	-
11:45 PM - 11:50 PM	45.4	47.8	-	n/a	46.1	-
11:50 PM - 11:55 PM	44.9	48.2	-	n/a	46.4	-
11:55 PM - 12:00 AM	46.7	47.2	-	n/a	45.4	-
12:00 AM - 12:05 AM	45.7	48.3	-	n/a	47.0	-
12:05 AM - 12:10 AM	47.5	48.8	-	n/a	46.3	-
12:10 AM - 12:15 AM	48.7	51.1	-	n/a	46.6	-
12:15 AM - 12:20 AM	48.3	47.4	-	44.0	45.9	-1.9

The above results are valid only for the analysed/checked sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-5
Parameter : เสียงรบกวน
Location : โรงโม่หินบ้านแม่คำ (อ.แม่คำ) (N1) (GPS 47P 0746540, 1426059)
Measurement Date : Nov 20 - 21, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531309



TESTING
No. 0042

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459176-1

Page 1 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	50.2	53.3	n/a	-	49.1	-
11:00 AM - 12:00 PM	49.3	59.9	n/a	-	52.5	-
12:00 PM - 01:00 PM	47.9	60.2	n/a	-	46.8	-
01:00 PM - 02:00 PM	48.3	56.3	n/a	-	44.8	-
02:00 PM - 03:00 PM	46.3	49.4	n/a	-	45.1	-
03:00 PM - 04:00 PM	50.2	50.0	-	45.3	48.6	-
04:00 PM - 05:00 PM	53.3	52.6	-	44.7	52.0	-
05:00 PM - 06:00 PM	57.3	48.7	-	56.7	44.9	11.8
06:00 PM - 07:00 PM	45.1	47.2	n/a	-	45.3	-
07:00 PM - 08:00 PM	46.3	47.5	n/a	-	45.9	-
08:00 PM - 09:00 PM	46.3	49.4	n/a	-	45.5	-
09:00 PM - 10:00 PM	45.4	48.4	n/a	-	45.2	-
10:00 PM - 10:05 PM	45.5	48.3	-	n/a	45.3	-
10:05 PM - 10:10 PM	45.7	48.2	-	n/a	44.7	-
10:10 PM - 10:15 PM	43.8	46.3	-	n/a	44.6	-
10:15 PM - 10:20 PM	44.8	46.5	-	n/a	44.8	-
10:20 PM - 10:25 PM	45.2	46.2	-	n/a	45.1	-
10:25 PM - 10:30 PM	45.1	48.8	-	n/a	45.6	-
10:30 PM - 10:35 PM	45.0	48.9	-	n/a	45.0	-
10:35 PM - 10:40 PM	44.5	47.7	-	n/a	44.7	-
10:40 PM - 10:45 PM	44.4	47.4	-	n/a	44.9	-
10:45 PM - 10:50 PM	43.0	48.3	-	n/a	44.8	-
10:50 PM - 10:55 PM	42.7	47.4	-	n/a	44.6	-
10:55 PM - 11:00 PM	42.8	47.6	-	n/a	44.4	-
11:00 PM - 11:05 PM	43.0	48.7	-	n/a	44.7	-
11:05 PM - 11:10 PM	44.2	46.5	-	n/a	44.5	-
11:10 PM - 11:15 PM	44.5	46.6	-	n/a	44.6	-
11:15 PM - 11:20 PM	44.4	46.2	-	n/a	44.7	-
11:20 PM - 11:25 PM	44.2	46.7	-	n/a	44.7	-
11:25 PM - 11:30 PM	44.4	46.8	-	n/a	45.1	-
11:30 PM - 11:35 PM	44.3	47.0	-	n/a	45.9	-
11:35 PM - 11:40 PM	45.6	47.1	-	n/a	45.7	-
11:40 PM - 11:45 PM	44.6	47.2	-	n/a	44.6	-
11:45 PM - 11:50 PM	44.7	46.2	-	n/a	45.9	-
11:50 PM - 11:55 PM	44.0	46.5	-	n/a	45.6	-
11:55 PM - 12:00 AM	44.1	46.1	-	n/a	46.0	-
12:00 AM - 12:05 AM	44.1	46.4	-	n/a	45.8	-
12:05 AM - 12:10 AM	43.8	46.2	-	n/a	45.6	-
12:10 AM - 12:15 AM	43.7	46.5	-	n/a	45.7	-
12:15 AM - 12:20 AM	44.1	46.6	-	n/a	45.8	-

The above results are valid only for the analyzed sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Witawan Borirak
Manager

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Life Sciences

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RIGHT SOLUTIONS RIGHT PARTNER



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-5
Parameter : เสียงรบกวน
Location : โรงโม่หินบ้านแม่คำ (อ.แม่คำ) (N1) (GPS 47P 0746540, 1426059)
Measurement Date : Nov 20 - 21, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531309



TESTING
No. 0042

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459176-1

Page 2 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
12:20 AM - 12:25 AM	44.8	46.4	-	n/a	45.9	-
12:25 AM - 12:30 AM	44.5	46.2	-	n/a	45.6	-
12:30 AM - 12:35 AM	44.4	45.8	-	n/a	45.3	-
12:35 AM - 12:40 AM	44.2	47.2	-	n/a	45.6	-
12:40 AM - 12:45 AM	44.5	46.4	-	n/a	45.9	-
12:45 AM - 12:50 AM	44.7	46.2	-	n/a	45.6	-
12:50 AM - 12:55 AM	43.9	46.6	-	n/a	45.7	-
12:55 AM - 01:00 AM	43.9	46.6	-	n/a	45.8	-
01:00 AM - 01:05 AM	45.0	46.6	-	n/a	45.8	-
01:05 AM - 01:10 AM	44.9	45.6	-	n/a	44.5	-
01:10 AM - 01:15 AM	45.0	45.6	-	n/a	44.5	-
01:15 AM - 01:20 AM	45.0	45.9	-	n/a	44.9	-
01:20 AM - 01:25 AM	45.0	45.8	-	n/a	44.5	-
01:25 AM - 01:30 AM	45.1	44.4	-	n/a	39.8	-3.2
01:30 AM - 01:35 AM	43.9	45.8	-	n/a	44.8	-
01:35 AM - 01:40 AM	44.8	46.4	-	n/a	44.8	-
01:40 AM - 01:45 AM	47.2	45.3	-	n/a	46.5	1.7
01:45 AM - 01:50 AM	44.3	46.2	-	n/a	44.5	-
01:50 AM - 01:55 AM	46.7	46.1	-	n/a	44.9	-4.1
01:55 AM - 02:00 AM	45.4	45.1	-	n/a	44.7	-8.1
02:00 AM - 02:05 AM	44.9	46.0	-	n/a	45.1	-
02:05 AM - 02:10 AM	45.6	45.6	-	n/a	44.4	-
02:10 AM - 02:15 AM	45.2	45.7	-	n/a	45.0	-
02:15 AM - 02:20 AM	44.0	46.5	-	n/a	44.9	-
02:20 AM - 02:25 AM	44.9	46.3	-	n/a	44.7	-
02:25 AM - 02:30 AM	45.1	45.5	-	n/a	44.5	-
02:30 AM - 02:35 AM	44.6	46.5	-	n/a	45.2	-
02:35 AM - 02:40 AM	45.3	46.2	-	n/a	45.4	-
02:40 AM - 02:45 AM	45.2	46.2	-	n/a	45.4	-
02:45 AM - 02:50 AM	45.5	46.8	-	n/a	46.7	-
02:50 AM - 02:55 AM	45.2	46.1	-	n/a	45.0	-
02:55 AM - 03:00 AM	45.0	46.6	-	n/a	45.6	-
03:00 AM - 03:05 AM	45.3	46.8	-	n/a	45.7	-
03:05 AM - 03:10 AM	45.0	47.2	-	n/a	45.6	-
03:10 AM - 03:15 AM	45.1	47.4	-	n/a	45.9	-
03:15 AM - 03:20 AM	46.1	47.8	-	n/a	46.2	-
03:20 AM - 03:25 AM	46.4	47.3	-	n/a	46.0	-
03:25 AM - 03:30 AM	46.3	47.3	-	n/a	46.0	-
03:30 AM - 03:35 AM	46.4	47.7	-	n/a	46.3	-
03:35 AM - 03:40 AM	46.3	48.4	-	n/a	46.7	-

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-5
Parameter : เสียงรบกวน
Location : โรงโม่หินบ้านแม่คำ (อ.แม่คำ) (N1) (GPS 47P 0746540, 1426059)
Measurement Date : Nov 20 - 21, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531309



TESTING
No. 0042

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459176-1

Page 3 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	47.0	48.4	-	n/a	47.1	-
03:45 AM - 03:50 AM	46.7	48.6	-	n/a	47.1	-
03:50 AM - 03:55 AM	46.8	48.4	-	n/a	47.1	-
03:55 AM - 04:00 AM	47.2	48.4	-	n/a	46.9	-
04:00 AM - 04:05 AM	47.0	48.1	-	n/a	46.3	-
04:05 AM - 04:10 AM	45.8	48.6	-	n/a	46.5	-
04:10 AM - 04:15 AM	44.7	50.0	-	n/a	46.9	-
04:15 AM - 04:20 AM	46.3	48.6	-	n/a	46.8	-
04:20 AM - 04:25 AM	45.5	49.1	-	n/a	47.3	-
04:25 AM - 04:30 AM	46.1	48.6	-	n/a	47.4	-
04:30 AM - 04:35 AM	46.5	49.0	-	n/a	47.8	-
04:35 AM - 04:40 AM	46.1	49.2	-	n/a	47.9	-
04:40 AM - 04:45 AM	46.1	49.1	-	n/a	48.0	-
04:45 AM - 04:50 AM	46.4	49.2	-	n/a	48.0	-
04:50 AM - 04:55 AM	47.2	49.6	-	n/a	48.4	-
04:55 AM - 05:00 AM	47.5	49.7	-	n/a	48.7	-
05:00 AM - 05:05 AM	48.2	49.9	-	n/a	49.0	-
05:05 AM - 05:10 AM	48.3	49.9	-	n/a	48.9	-
05:10 AM - 05:15 AM	49.2	49.2	-	n/a	48.0	-
05:15 AM - 05:20 AM	48.9	49.9	-	n/a	48.8	-
05:20 AM - 05:25 AM	49.4	49.9	-	n/a	48.8	-
05:25 AM - 05:30 AM	49.4	50.4	-	n/a	49.3	-
05:30 AM - 05:35 AM	47.5	50.0	-	n/a	48.8	-
05:35 AM - 05:40 AM	47.5	50.1	-	n/a	49.2	-
05:40 AM - 05:45 AM	48.3	50.4	-	n/a	49.5	-
05:45 AM - 05:50 AM	49.4	50.4	-	n/a	49.6	-
05:50 AM - 05:55 AM	50.6	50.7	-	n/a	49.9	-
05:55 AM - 06:00 AM	50.6	50.8	-	n/a	50.1	-
06:00 AM - 07:00 AM	50.8	49.9	43.5	-	47.8	-4.3
07:00 AM - 08:00 AM	50.6	51.3	n/a	-	47.8	-
08:00 AM - 09:00 AM	49.1	51.9	n/a	-	47.4	-
09:00 AM - 10:00 AM	48.3	49.6	n/a	-	46.4	-

หมายเหตุ:

1. ISO 1996-1
2. ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดเสียงสิ่งแวดล้อมขณะไม่มีการรบกวน การตรวจวัดค่าความถี่เสียงขณะไม่มีการรบกวน การคำนวณค่าการรบกวน และแบบบันทึกการตรวจวัดเสียงรบกวน พ.ศ. 2565
3. กฎ: ใช้นาฬิกาข้อมือวัดเสียงขณะมีการรบกวนได้ (เนื่องจากเสียงจากแหล่งกำเนิดมีการรบกวนเสียงขณะไม่มีการรบกวน)

หมายเหตุ: การตรวจวัดเสียงสิ่งแวดล้อมขณะมีตัวรับ 20 (n, 2550) (เสียง การรบกวนเสียงรบกวน)

Remark:

The above results are valid only for the analyzed sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-6
Parameter : เสียงรบกวน
Location : โรงโม่หินบ้านแม่คำ (อ.แม่คำ) (N1) (GPS 47P 0746540, 1426059)
Measurement Date : Nov 21 - 22, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531309



TESTING
No. 0042

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459177-1

Page 1 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	48.3	51.5	-	-	46.9	-
11:00 AM - 12:00 PM	50.1	60.4	n/a	-	54.1	-
12:00 PM - 01:00 PM	47.7	52.2	n/a	-	47.7	-
01:00 PM - 02:00 PM	48.3	53.8	n/a	-	46.3	-
02:00 PM - 03:00 PM	47.6	51.4	n/a	-	46.4	-
03:00 PM - 04:00 PM	47.4	50.0	n/a	-	45.6	-
04:00 PM - 05:00 PM	47.6	48.4	n/a	-	45.2	-
05:00 PM - 06:00 PM	46.4	48.3	n/a	-	45.7	-
06:00 PM - 07:00 PM	45.5	48.0	n/a	-	46.0	-
07:00 PM - 08:00 PM	49.2	48.0	35.7	-	46.3	10.6
08:00 PM - 09:00 PM	52.4	47.1	50.8	-	45.1	5.8
09:00 PM - 10:00 PM	44.1	46.5	n/a	-	45.0	-
10:00 PM - 10:05 PM	44.3	46.7	-	n/a	45.7	-
10:05 PM - 10:10 PM	44.0	46.0	-	n/a	45.5	-
10:10 PM - 10:15 PM	44.1	47.2	-	n/a	45.7	-
10:15 PM - 10:20 PM	44.6	47.2	-	n/a	45.5	-
10:20 PM - 10:25 PM	44.2	47.0	-	n/a	45.7	-
10:25 PM - 10:30 PM	44.1	46.4	-	n/a	45.4	-
10:30 PM - 10:35 PM	43.8	46.2	-	n/a	45.2	-
10:35 PM - 10:40 PM	44.3	46.3	-	n/a	45.4	-
10:40 PM - 10:45 PM	44.7	46.5	-	n/a	45.3	-
10:45 PM - 10:50 PM	45.3	46.8	-	n/a	45.5	-
10:50 PM - 10:55 PM	44.2	47.1	-	n/a	45.8	-
10:55 PM - 11:00 PM	43.1	46.6	-	n/a	45.3	-
11:00 PM - 11:05 PM	43.0	46.3	-	n/a	44.8	-
11:05 PM - 11:10 PM	43.1	46.1	-	n/a	44.6	-
11:10 PM - 11:15 PM	42.7	46.7	-	n/a	44.9	-
11:15 PM - 11:20 PM	43.1	45.5	-	n/a	44.3	-
11:20 PM - 11:25 PM	43.3	45.8	-	n/a	44.6	-
11:25 PM - 11:30 PM	43.0	45.8	-	n/a	44.8	-
11:30 PM - 11:35 PM	43.1	46.1	-	n/a	44.9	-
11:35 PM - 11:40 PM	43.2	46.3	-	n/a	45.1	-
11:40 PM - 11:45 PM	43.1	46.2	-	n/a	45.1	-
11:45 PM - 11:50 PM	43.4	45.8	-	n/a	44.7	-
11:50 PM - 11:55 PM	43.5	45.9	-	n/a	44.8	-
11:55 PM - 12:00 AM	43.7	45.7	-	n/a	44.4	-
12:00 AM - 12:05 AM	43.9	46.0	-	n/a	43.9	-
12:05 AM - 12:10 AM	43.0	45.1	-	n/a	43.4	-
12:10 AM - 12:15 AM	42.8	45.9	-	n/a	44.6	-
12:15 AM - 12:20 AM	43.6	45.8	-	n/a	44.7	-



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-6
Parameter : เสียงรบกวน
Location : โรงเชื่อมงานแม่เหล็ก (ส.แม่เหล็ก) (N1) (GPS 47P 0746540, 1426059)
Measurement Date : Nov 21 - 22, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531309



TESTING
No. 0042

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459177-1

Page 2 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
12:20 AM - 12:25 AM	43.7	45.8	-	n/a	44.4	-
12:25 AM - 12:30 AM	43.5	45.9	-	n/a	44.4	-
12:30 AM - 12:35 AM	43.5	46.0	-	n/a	44.8	-
12:35 AM - 12:40 AM	43.6	46.6	-	n/a	45.2	-
12:40 AM - 12:45 AM	44.3	46.7	-	n/a	45.6	-
12:45 AM - 12:50 AM	43.8	46.9	-	n/a	45.7	-
12:50 AM - 12:55 AM	45.0	46.9	-	n/a	45.8	-
12:55 AM - 01:00 AM	45.3	47.9	-	n/a	45.8	-
01:00 AM - 01:05 AM	45.6	47.4	-	n/a	45.3	-
01:05 AM - 01:10 AM	46.0	49.2	-	n/a	45.0	-
01:10 AM - 01:15 AM	45.8	45.9	-	n/a	44.8	-
01:15 AM - 01:20 AM	45.2	45.6	-	n/a	44.7	-
01:20 AM - 01:25 AM	44.6	45.7	-	n/a	44.8	-
01:25 AM - 01:30 AM	44.3	45.5	-	n/a	44.5	-
01:30 AM - 01:35 AM	44.5	46.5	-	n/a	44.8	-
01:35 AM - 01:40 AM	45.1	45.0	-	n/a	44.3	-12.6
01:40 AM - 01:45 AM	44.7	45.7	-	n/a	44.6	-
01:45 AM - 01:50 AM	44.8	45.9	-	n/a	45.0	-
01:50 AM - 01:55 AM	44.5	46.1	-	n/a	45.2	-
01:55 AM - 02:00 AM	44.0	46.3	-	n/a	45.1	-
02:00 AM - 02:05 AM	44.5	46.6	-	n/a	45.5	-
02:05 AM - 02:10 AM	44.9	47.0	-	n/a	45.7	-
02:10 AM - 02:15 AM	45.3	46.6	-	n/a	45.6	-
02:15 AM - 02:20 AM	45.2	46.4	-	n/a	45.4	-
02:20 AM - 02:25 AM	45.3	46.2	-	n/a	45.5	-
02:25 AM - 02:30 AM	45.2	46.8	-	n/a	45.6	-
02:30 AM - 02:35 AM	45.5	47.2	-	n/a	46.0	-
02:35 AM - 02:40 AM	46.3	46.3	-	n/a	44.8	-
02:40 AM - 02:45 AM	45.7	46.2	-	n/a	44.9	-
02:45 AM - 02:50 AM	45.6	47.2	-	n/a	45.6	-
02:50 AM - 02:55 AM	45.7	46.9	-	n/a	45.6	-
02:55 AM - 03:00 AM	45.4	47.1	-	n/a	45.8	-
03:00 AM - 03:05 AM	45.1	46.9	-	n/a	45.5	-
03:05 AM - 03:10 AM	45.9	46.5	-	n/a	45.1	-
03:10 AM - 03:15 AM	45.8	46.5	-	n/a	44.9	-
03:15 AM - 03:20 AM	45.8	47.1	-	n/a	45.6	-
03:20 AM - 03:25 AM	46.1	46.5	-	n/a	45.1	-
03:25 AM - 03:30 AM	46.1	46.5	-	n/a	45.2	-
03:30 AM - 03:35 AM	46.0	46.5	-	n/a	45.1	-
03:35 AM - 03:40 AM	46.3	47.1	-	n/a	45.6	-

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-6
Parameter : เสียงรบกวน
Location : โรงเชื่อมงานแม่เหล็ก (ส.แม่เหล็ก) (N1) (GPS 47P 0746540, 1426059)
Measurement Date : Nov 21 - 22, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531309



TESTING
No. 0042

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459177-1

Page 3 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	46.4	46.8	-	n/a	45.5	-
03:45 AM - 03:50 AM	46.5	47.4	-	n/a	46.1	-
03:50 AM - 03:55 AM	46.6	47.4	-	n/a	46.2	-
03:55 AM - 04:00 AM	45.9	47.2	-	n/a	45.8	-
04:00 AM - 04:05 AM	45.8	47.4	-	n/a	46.1	-
04:05 AM - 04:10 AM	46.6	47.5	-	n/a	46.1	-
04:10 AM - 04:15 AM	46.5	47.7	-	n/a	46.4	-
04:15 AM - 04:20 AM	46.4	48.0	-	n/a	46.8	-
04:20 AM - 04:25 AM	46.3	48.1	-	n/a	46.7	-
04:25 AM - 04:30 AM	46.6	48.2	-	n/a	47.0	-
04:30 AM - 04:35 AM	47.0	48.3	-	n/a	47.0	-
04:35 AM - 04:40 AM	48.1	48.9	-	n/a	47.8	-
04:40 AM - 04:45 AM	48.4	49.1	-	n/a	48.1	-
04:45 AM - 04:50 AM	48.4	49.1	-	n/a	48.1	-
04:50 AM - 04:55 AM	48.3	49.4	-	n/a	48.3	-
04:55 AM - 05:00 AM	48.8	49.4	-	n/a	48.2	-
05:00 AM - 05:05 AM	48.4	49.8	-	n/a	47.7	-
05:05 AM - 05:10 AM	48.6	49.0	-	n/a	47.9	-
05:10 AM - 05:15 AM	48.5	49.0	-	n/a	48.0	-
05:15 AM - 05:20 AM	48.6	49.9	-	n/a	48.0	-
05:20 AM - 05:25 AM	48.6	49.2	-	n/a	48.1	-
05:25 AM - 05:30 AM	49.3	49.4	-	n/a	48.6	-
05:30 AM - 05:35 AM	49.3	49.4	-	n/a	48.7	-
05:35 AM - 05:40 AM	49.5	49.8	-	n/a	48.7	-
05:40 AM - 05:45 AM	50.1	49.6	-	n/a	48.8	-5.3
05:45 AM - 05:50 AM	50.2	50.0	-	n/a	49.0	-9.3
05:50 AM - 05:55 AM	50.0	49.5	-	n/a	48.3	-46.3
05:55 AM - 06:00 AM	50.6	49.6	-	n/a	48.8	-2.1
06:00 AM - 07:00 AM	50.8	48.8	46.5	-	46.5	0.0
07:00 AM - 08:00 AM	49.1	47.9	42.9	-	44.2	-1.3
08:00 AM - 09:00 AM	44.1	46.2	n/a	-	41.6	-
09:00 AM - 10:00 AM	44.3	44.3	n/a	-	41.3	-

Reference Method :

- ISO 1996-1
- ประเทศไทยมาตรฐานการควบคุมเสียงรบกวน (Sample No. 2599080-5 วันที่ 21-22 พฤศจิกายน 2568)
- กฎกระทรวงกำหนดระดับเสียงรบกวนในการปฏิบัติงาน (ฉบับที่ 29 พ.ศ. 2550) (แก้ไข)

หมายเหตุ : ข้อมูลผลการตรวจวัดระดับเสียงรบกวน ณ วันที่ 29 (พ.ศ. 2550) (แก้ไข) สำหรับเสียงรบกวน

หมายเหตุ :

- ระดับเสียงจากแหล่งกำเนิด มีการตรวจวัด ณ วันที่ 21-22 พฤศจิกายน 2568
- ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No. 2599080-5 วันที่ 21-22 พฤศจิกายน 2568)
- กฎกระทรวงกำหนดระดับเสียงรบกวนในการปฏิบัติงาน (ฉบับที่ 29 พ.ศ. 2550) (แก้ไข) สำหรับเสียงรบกวน

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-7
Parameter : เสียงรบกวน
Location : โรงเชื่อมงานแม่เหล็ก (ส.แม่เหล็ก) (N1) (GPS 47P 0746540, 1426059)
Measurement Date : Nov 22 - 23, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531309



TESTING
No. 0042

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459178-1

Page 1 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	44.7	44.1	35.8	-	41.3	-5.5
11:00 AM - 12:00 PM	45.2	44.0	35.6	-	41.4	-5.8
12:00 PM - 01:00 PM	44.9	44.0	37.6	-	40.8	-3.2
01:00 PM - 02:00 PM	44.5	44.7	n/a	-	40.8	-
02:00 PM - 03:00 PM	44.5	44.8	n/a	-	41.1	-
03:00 PM - 04:00 PM	44.5	44.9	n/a	-	41.3	-
04:00 PM - 05:00 PM	45.7	45.7	n/a	-	42.9	-
05:00 PM - 06:00 PM	46.5	47.9	n/a	-	45.2	-
06:00 PM - 07:00 PM	52.5	51.3	46.3	-	49.8	-3.5
07:00 PM - 08:00 PM	52.1	50.8	46.2	-	49.6	-3.4
08:00 PM - 09:00 PM	49.5	50.6	n/a	-	48.2	-
09:00 PM - 10:00 PM	45.4	48.0	n/a	-	47.0	-
10:00 PM - 10:05 PM	44.8	46.9	n/a	-	47.1	-
10:05 PM - 10:10 PM	45.1	48.3	-	n/a	47.4	-
10:10 PM - 10:15 PM	44.1	47.9	-	n/a	47.4	-
10:15 PM - 10:20 PM	43.8	48.2	-	n/a	47.5	-
10:20 PM - 10:25 PM	43.8	48.7	-	n/a	48.1	-
10:25 PM - 10:30 PM	45.3	48.8	-	n/a	48.0	-
10:30 PM - 10:35 PM	46.1	48.5	-	n/a	47.9	-
10:35 PM - 10:40 PM	45.6	48.3	-	n/a	47.6	-
10:40 PM - 10:45 PM	44.8	48.3	-	n/a	47.5	-
10:45 PM - 10:50 PM	45.4	47.7	-	n/a	46.7	-
10:50 PM - 10:55 PM	44.6	48.3	-	n/a	46.6	-
10:55 PM - 11:00 PM	45.3	48.3	-	n/a	47.6	-
11:00 PM - 11:05 PM	45.5	48.2	-	n/a	47.5	-
11:05 PM - 11:10 PM	45.1	48.0	-	n/a	46.0	-
11:10 PM - 11:15 PM	44.9	48.2	-	n/a	47.2	-
11:15 PM - 11:20 PM	45.2	47.6	-	n/a	46.6	-
11:20 PM - 11:25 PM	45.3	47.4	-	n/a	46.4	-
11:25 PM - 11:30 PM	44.9	47.6	-	n/a	46.6	-
11:30 PM - 11:35 PM	45.3	47.6	-	n/a	46.7	-
11:35 PM - 11:40 PM	45.5	47.7	-	n/a	46.4	-
11:40 PM - 11:45 PM	45.1	48.1	-	n/a	46.3	-
11:45 PM - 11:50 PM	45.0	47.4	-	n/a	46.3	-
11:50 PM - 11:55 PM	45.1	46.2	-	n/a	45.2	-
11:55 PM - 12:00 AM	44.0	47.3	-	n/a	46.0	-
12:00 AM - 12:05 AM	45.1	47.2	-	n/a	46.1	-
12:05 AM - 12:10 AM	44.6	47.5	-	n/a	46.5	-
12:10 AM - 12:15 AM	45.4	47.1	-	n/a	46.1	-
12:15 AM - 12:20 AM	45.0	47.7	-	n/a	46.3	-

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-7
Parameter : เสียงรบกวน
Location : โรงเชื่อมงานแม่เหล็ก (ส.แม่เหล็ก) (N1) (GPS 47P 0746540, 1426059)
Measurement Date : Nov 22 - 23, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531309



TESTING
No. 0042

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459178-1

Page 2 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
12:20 AM - 12:25 AM	45.6	47.3	-	n/a	46.4	-
12:25 AM - 12:30 AM	45.5	47.3	-	n/a	46.4	-
12:30 AM - 12:35 AM	45.3	46.8	-	n/a	46.0	-
12:35 AM - 12:40 AM	45.6	47.1	-	n/a	46.3	-
12:40 AM - 12:45 AM	45.5	47.2	-	n/a	46.2	-
12:45 AM - 12:50 AM	45.9	47.4	-	n/a	46.4	-
12:50 AM - 12:55 AM	46.7	48.1	-	n/a	46.7	-
12:55 AM - 01:00 AM	47.2	47.6	-	n/a	46.7	-
01:00 AM - 01:05 AM	47.1	47.8	-	n/a	46.8	-
01:05 AM - 01:10 AM	47.2	46.7	-	40.6	46.2	-5.6
01:10 AM - 01:15 AM	46.2	46.4	-	n/a	45.8	-
01:15 AM - 01:20 AM	45.6	46.7	-	n/a	46.0	-
01:20 AM - 01:25 AM	46.9	47.0	-	n/a	46.4	-
01:25 AM - 01:30 AM	46.2	46.5	-	n/a	46.0	-
01:30 AM - 01:35 AM	47.1	46.4	-	41.8	46.0	-4.2
01:35 AM - 01:40 AM	46.8	46.4	-	39.2	46.0	-6.8
01:40 AM - 01:45 AM	46.7	46.1	-	40.6	45.6	-4.8
01:45 AM - 01:50 AM	46.2	46.4	-	n/a	45.8	-
01:50 AM - 01:55 AM	46.1	46.6	-	n/a	45.6	-
01:55 AM - 02:00 AM	45.8	46.7	-	n/a	45.7	-
02:00 AM - 02:05 AM	46.8	47.0	-	n/a	46.2	-
02:05 AM - 02:10 AM	47.1	47.2	-	n/a	46.3	-
02:10 AM - 02:15 AM	46.8	46.9	-	n/a	46.2	-
02:15 AM - 02:20 AM	47.0	47.5	-	n/a	46.8	-
02:20 AM - 02:25 AM	47.3	47.4	-	n/a	46.4	-
02:25 AM - 02:30 AM	46.9	47.2	-	n/a	46.2	-
02:30 AM - 02:35 AM	45.6	46.9	-	n/a	45.7	-
02:35 AM - 02:40 AM	45.0	47.3	-	n/a	46.3	-
02:40 AM - 02:45 AM	46.4	47.3	-	n/a	46.3	-
02:45 AM - 02:50 AM	46.0	47.4	-	n/a	46.2	-
02:50 AM - 02:55 AM	46.1	47.3	-	n/a	46.4	-
02:55 AM - 03:00 AM	46.7	47.5	-	n/a	45.8	-
03:00 AM - 03:05 AM	47.1	48.5	-	41.2	45.5	-4.3
03:05 AM - 03:10 AM	46.7	47.1	-	n/a	45.9	-
03:10 AM - 03:15 AM	47.5	47.1	-	39.9	45.9	-6.0
03:15 AM - 03:20 AM	47.5	47.4	-	34.1	46.3	-12.1
03:20 AM - 03:25 AM	47.0	47.7	-	n/a	46.4	-
03:25 AM - 03:30 AM	46.9	48.2	-	n/a	47.1	-
03:30 AM - 03:35 AM	47.3	48.4	-	n/a	47.3	-
03:35 AM - 03:40 AM	47.6	47.6	-	n/a	47.3	-



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phakdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-7
Parameter : เสียงรบกวน
Location : ถนนสาย 2 บ้านดอนและบึง จอด 1 (ถนนพหลโยธิน) (N1) (GPS 47P 0746540, 1426059)
Measurement Date : Nov 22 - 23, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531299



TESTING
No. 0042

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459178-1

Page 3 of 3

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน	เสียงพื้นฐาน	ค่าเฉลี่ย	ค่าเฉลี่ย
03:40 AM - 03:45 AM	47.9	48.4	-	47.3	-	-
03:45 AM - 03:50 AM	47.5	47.6	-	46.6	-	-
03:50 AM - 03:55 AM	47.0	48.0	-	46.6	-	-
03:55 AM - 04:00 AM	45.6	48.0	-	46.8	-	-
04:00 AM - 04:05 AM	46.5	47.8	-	46.8	-	-
04:05 AM - 04:10 AM	46.9	48.2	-	46.7	-	-
04:10 AM - 04:15 AM	46.7	48.3	-	46.8	-	-
04:15 AM - 04:20 AM	46.7	48.5	-	47.4	-	-
04:20 AM - 04:25 AM	47.0	48.6	-	47.4	-	-
04:25 AM - 04:30 AM	47.1	48.9	-	47.1	-	-
04:30 AM - 04:35 AM	47.3	48.7	-	47.6	-	-
04:35 AM - 04:40 AM	47.8	48.7	-	47.7	-	-
04:40 AM - 04:45 AM	48.0	48.6	-	47.5	-	-
04:45 AM - 04:50 AM	48.2	49.2	-	47.6	-	-
04:50 AM - 04:55 AM	48.2	49.1	-	48.2	-	-
04:55 AM - 05:00 AM	48.8	49.3	-	48.0	-	-
05:00 AM - 05:05 AM	49.0	48.7	-	47.5	-	-7.3
05:05 AM - 05:10 AM	49.5	50.6	-	47.8	-	-
05:10 AM - 05:15 AM	46.4	48.9	-	47.9	-	-
05:15 AM - 05:20 AM	44.1	48.8	-	47.7	-	-
05:20 AM - 05:25 AM	44.3	50.3	-	48.9	-	-
05:25 AM - 05:30 AM	49.5	50.6	-	49.6	2.7	-
05:30 AM - 05:35 AM	47.7	50.2	-	49.2	-	-
05:35 AM - 05:40 AM	44.2	50.4	-	49.6	-	-
05:40 AM - 05:45 AM	45.1	50.2	-	49.4	-	-
05:45 AM - 05:50 AM	45.0	50.4	-	49.5	-	-
05:50 AM - 05:55 AM	45.6	49.7	-	48.3	-	-
05:55 AM - 06:00 AM	44.6	50.4	-	49.2	-	-
06:00 AM - 07:00 AM	45.4	49.0	n/a	47.2	-	-
07:00 AM - 08:00 AM	45.3	46.5	n/a	44.8	-	-
08:00 AM - 09:00 AM	45.1	45.3	n/a	41.8	-	-
09:00 AM - 10:00 AM	45.7	47.5	n/a	44.6	-	-
ค่าเฉลี่ยรวม					≤ 10	

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงพื้นฐาน ระดับเสียงขณะไม่มีการรบกวน การตรวจวัดระดับเสียงขณะมีการรบกวน การคำนวณค่าระดับเสียง และแบบฝึกการตรวจวัดเสียงรบกวน พ.ศ. 2565

หมายเหตุ : อัตราค่าตรวจการสิ่งแวดล้อมของเจ้า อดิษฐ์ 29 (พ.ศ.2550) (เมื่อ ค่าระดับเสียงรบกวน)

- ระดับเสียงจากแหล่งกำเนิด จากการตรวจวัด วันที่ 22-23 พฤศจิกายน 2568
- ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No. 2599080-7) ตรวจวัดวันที่ 22-23 พฤศจิกายน 2568
- ค่า : ไม่สามารถคำนวณระดับเสียงขณะมีการรบกวนได้ เนื่องจากระดับเสียงจากแหล่งกำเนิดต่ำกว่าระดับเสียงขณะไม่มีการรบกวน

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phakdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-8
Parameter : เสียงรบกวน
Location : ถนนสาย 2 บ้านดอนและบึง จอด 1 (ถนนพหลโยธิน) (N2) (GPS 47P 0747553, 1427385)
Measurement Date : Nov 16 - 17, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531299



TESTING
No. 0042

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459179-1

Page 3 of 3

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน	เสียงพื้นฐาน	ค่าเฉลี่ย	ค่าเฉลี่ย
10:00 AM - 11:00 AM	51.2	50.1	44.7	-	44.6	-0.3
11:00 AM - 12:00 PM	49.4	49.0	38.8	-	41.1	2.1
12:00 PM - 01:00 PM	48.3	47.7	39.4	-	41.0	-1.6
01:00 PM - 02:00 PM	47.9	47.5	37.3	-	40.9	-3.6
02:00 PM - 03:00 PM	50.5	50.3	37.0	-	41.4	-4.4
03:00 PM - 04:00 PM	50.5	49.9	41.6	-	39.9	1.7
04:00 PM - 05:00 PM	49.6	48.8	41.9	-	41.4	0.5
05:00 PM - 06:00 PM	50.2	49.9	38.4	-	43.3	-4.9
06:00 PM - 07:00 PM	50.9	49.3	45.8	-	45.8	1.0
07:00 PM - 08:00 PM	52.8	52.8	43.9	-	45.6	-1.7
08:00 PM - 09:00 PM	49.5	49.2	37.7	-	43.8	-6.1
09:00 PM - 10:00 PM	52.9	50.8	48.7	-	47.5	1.2
10:00 PM - 10:05 PM	44.0	44.0	-	-	37.9	-
10:05 PM - 10:10 PM	44.0	43.5	-	-	37.4	-0.3
10:10 PM - 10:15 PM	43.1	42.2	-	-	38.8	37.9
10:15 PM - 10:20 PM	41.8	42.5	-	-	38.4	38.4
10:20 PM - 10:25 PM	40.3	39.0	-	-	37.4	37.3
10:25 PM - 10:30 PM	44.3	44.2	-	-	30.9	37.9
10:30 PM - 10:35 PM	44.1	43.3	-	-	29.4	37.9
10:35 PM - 10:40 PM	42.7	42.4	-	-	33.9	38.2
10:40 PM - 10:45 PM	41.6	41.9	-	-	38.0	-
10:45 PM - 10:50 PM	43.3	41.5	-	-	41.6	37.9
10:50 PM - 10:55 PM	45.1	41.9	-	-	41.9	38.1
10:55 PM - 11:00 PM	41.9	40.2	-	-	40.0	37.2
11:00 PM - 11:05 PM	40.9	41.3	-	-	37.4	-
11:05 PM - 11:10 PM	39.9	39.2	-	-	34.6	37.0
11:10 PM - 11:15 PM	40.5	40.6	-	-	37.7	-
11:15 PM - 11:20 PM	45.0	44.4	-	-	38.1	2.3
11:20 PM - 11:25 PM	40.9	40.9	-	-	37.4	-
11:25 PM - 11:30 PM	50.3	51.9	-	-	52.6	37.5
11:30 PM - 11:35 PM	41.0	40.2	-	-	36.3	37.6
11:35 PM - 11:40 PM	40.7	40.3	-	-	33.1	37.9
11:40 PM - 11:45 PM	43.2	42.3	-	-	39.3	37.8
11:45 PM - 11:50 PM	41.1	41.4	-	-	38.0	-1.5
11:50 PM - 11:55 PM	42.9	41.3	-	-	40.8	38.2
11:55 PM - 12:00 AM	42.5	42.8	-	-	37.8	2.6
12:00 AM - 12:05 AM	40.8	39.3	-	-	38.5	37.4
12:05 AM - 12:10 AM	42.2	40.9	-	-	39.3	38.5
12:10 AM - 12:15 AM	40.7	39.1	-	-	38.6	37.6
12:15 AM - 12:20 AM	40.7	40.5	-	-	30.2	37.9

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Approved by

Wibab.

Wilawan Borirak
Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phakdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-8
Parameter : เสียงรบกวน
Location : ถนนสาย 2 บ้านดอนและบึง จอด 1 (ถนนพหลโยธิน) (N2) (GPS 47P 0747553, 1427385)
Measurement Date : Nov 16 - 17, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531299



TESTING
No. 0042

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459179-1

Page 2 of 3

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน	เสียงพื้นฐาน	ค่าเฉลี่ย	ค่าเฉลี่ย
12:20 AM - 12:25 AM	40.8	39.0	-	39.1	37.5	1.6
12:25 AM - 12:30 AM	40.7	40.6	-	27.3	37.8	-0.5
12:30 AM - 12:35 AM	41.2	39.8	-	38.6	37.9	0.7
12:35 AM - 12:40 AM	41.6	40.8	-	35.9	38.4	-1.5
12:40 AM - 12:45 AM	50.2	50.0	-	39.7	37.2	2.5
12:45 AM - 12:50 AM	40.9	40.8	-	27.3	37.2	-9.7
12:50 AM - 12:55 AM	41.0	39.2	-	35.3	37.6	1.7
12:55 AM - 01:00 AM	40.2	40.3	-	n/a	38.1	-
01:00 AM - 01:05 AM	44.4	43.8	-	27.6	36.7	1.8
01:05 AM - 01:10 AM	41.0	40.9	-	27.6	36.6	-9.0
01:10 AM - 01:15 AM	39.8	37.9	-	38.3	36.3	2.0
01:15 AM - 01:20 AM	39.5	39.5	-	n/a	36.6	-
01:20 AM - 01:25 AM	39.4	37.8	-	38.3	36.3	0.8
01:25 AM - 01:30 AM	40.0	39.9	-	26.6	36.6	-10.0
01:30 AM - 01:35 AM	38.8	37.7	-	35.3	36.1	-0.8
01:35 AM - 01:40 AM	40.2	40.1	-	26.8	36.8	-10.0
01:40 AM - 01:45 AM	39.5	37.4	-	38.3	36.3	2.0
01:45 AM - 01:50 AM	42.5	42.7	-	n/a	37.8	-
01:50 AM - 01:55 AM	39.8	37.2	-	39.3	36.1	3.2
01:55 AM - 02:00 AM	39.4	39.8	-	39.4	36.4	-
02:00 AM - 02:05 AM	40.9	39.5	-	40.2	36.9	3.3
02:05 AM - 02:10 AM	39.0	39.0	-	35.6	36.6	-0.4
02:10 AM - 02:15 AM	41.8	40.7	-	41.8	38.7	-0.4
02:15 AM - 02:20 AM	42.7	40.4	-	41.8	38.7	3.1
02:20 AM - 02:25 AM	44.7	43.6	-	41.2	39.3	1.9
02:25 AM - 02:30 AM	42.4	40.4	-	41.1	38.1	3.0
02:30 AM - 02:35 AM	45.2	45.5	-	n/a	40.0	-
02:35 AM - 02:40 AM	53.5	51.4	-	52.3	36.7	15.6
02:40 AM - 02:45 AM	43.5	46.1	-	n/a	36.6	-
02:45 AM - 02:50 AM	45.2	46.1	-	46.1	36.6	12.5
02:50 AM - 02:55 AM	47.5	45.7	-	45.8	37.0	8.8
02:55 AM - 03:00 AM	46.9	50.8	-	n/a	38.6	-
03:00 AM - 03:05 AM	47.9	47.8	-	49.3	35.9	14.4
03:05 AM - 03:10 AM	43.8	43.2	-	37.9	36.8	1.1
03:10 AM - 03:15 AM	39.3	37.8	-	37.0	36.4	0.6
03:15 AM - 03:20 AM	38.5	38.3	-	36.3	36.1	0.2
03:20 AM - 03:25 AM	40.8	39.7	-	37.5	35.9	1.4
03:25 AM - 03:30 AM	39.9	38.0	-	38.4	36.8	1.6
03:30 AM - 03:35 AM	39.7	39.2	-	33.1	36.6	-3.5
03:35 AM - 03:40 AM	51.5	49.8	-	49.6	36.0	13.6

The above results are valid only for the analysed/checked sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wibab.

Wilawan Borirak
Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phakdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-8
Parameter : เสียงรบกวน
Location : ถนนสาย 2 บ้านดอนและบึง จอด 1 (ถนนพหลโยธิน) (N2) (GPS 47P 0747553, 1427385)
Measurement Date : Nov 16 - 17, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531299



TESTING
No. 0042

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459179-1

Page 3 of 3

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ยการรบกวน
			การกาน	การเดิน		
03:40 AM - 03:45 AM	39.2	39.2	-	n/a	36.2	-
03:45 AM - 03:50 AM	40.8	40.4	-	33.2	36.8	-2.6
03:50 AM - 03:55 AM	40.8	38.8	-	39.3	37.1	3.2
03:55 AM - 04:00 AM	41.5	41.9	-	n/a	35.9	-
04:00 AM - 04:05 AM	41.8	40.8	-	37.9	38.0	-0.1
04:05 AM - 04:10 AM	42.9	42.2	-	37.6	38.0	-0.4
04:10 AM - 04:15 AM	42.7	41.3	-	38.4	38.5	-0.1
04:15 AM - 04:20 AM	42.6	41.2	-	40.0	38.4	-1.6
04:20 AM - 04:25 AM	42.6	42.5	-	29.2	38.5	-0.3
04:25 AM - 04:30 AM	40.4	39.8	-	34.5	39.1	3.6
04:30 AM - 04:35 AM	45.5	44.1	-	42.9	38.5	-4.4
04:35 AM - 04:40 AM	44.0	43.5	-	37.4	38.3	-0.9
04:40 AM - 04:45 AM	44.7	41.9	-	44.5	39.3	-5.2
04:45 AM - 04:50 AM	42.7	42.4	-	33.9	39.0	-3.1
04:50 AM - 04:55 AM	42.9	40.8	-	41.7	37.8	-3.9
04:55 AM - 05:00 AM	42.9	42.6	-	34.1	38.7	-4.6
05:00 AM - 05:05 AM	43.3	42.8	-	43.3	39.5	-2.2
05:05 AM - 05:10 AM	42.7	40.9	-	41.0	38.8	-2.2
05:10 AM - 05:15 AM	42.0	41.0	-	38.1	39.0	-0.9
05:15 AM - 05:20 AM	41.6	42.0	-	n/a	39.7	-
05:20 AM - 05:25 AM	42.2	41.7	-	35.6	39.2	-3.6
05:25 AM - 05:30 AM	41.7	41.2	-	35.1	39.0	-3.9
05:30 AM - 05:35 AM	46.0	44.6	-	43.4	39.5	-3.9
05:35 AM - 05:40 AM	51.3	51.0	-	42.5	40.8	-1.7
05:40 AM - 05:45 AM	48.4	45.7	-	48.1	41.0	-7.1
05:45 AM - 05:50 AM	46.7	46.2	-	42.3	41.2	-1.1
05:50 AM - 05:55 AM	47.4	45.5	-	45.9	41.1	-4.8
05:55 AM - 06:00 AM	44.6	43.8	-	39.9	40.5	-0.6
06:00 AM - 07:00 AM	50.5	48.5	-	46.2	40.3	-5.9
07:00 AM - 08:00 AM	50.3	50.3	-	37.0	43.7	-6.7
08:00 AM - 09:00 AM	49.4	48.4	42.5	-	42.4	-6.1
09:00 AM - 10:00 AM	48.6	48.2	38.0	-	41.8	-3.8
ค่าเฉลี่ยการรบกวน						
					41.0	-



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. 2599078-9
Parameter เสียงรบกวน
Location ถนนบ้าน หมู่ 2 บ้านหนองบัว จ.ลพบุรี (N2) (GPS 47P 0747553, 1427385)
Measurement Date Nov 17 - 18, 2025
Measurement by Apichart Wilars
Sound Level Meter 531299



TESTING
No. 0042

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459180-1

Page 1 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงที่รบกวน	ค่าดัชนีการรบกวน
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	49.4	48.6	41.7	-	39.4	2.3
11:00 AM - 12:00 PM	50.0	49.0	43.1	-	39.8	3.3
12:00 PM - 01:00 PM	47.2	46.5	38.9	-	36.5	2.4
01:00 PM - 02:00 PM	46.8	46.3	37.2	-	36.2	1.0
02:00 PM - 03:00 PM	48.0	47.1	40.7	-	37.6	3.1
03:00 PM - 04:00 PM	49.1	48.4	40.8	-	38.4	2.4
04:00 PM - 05:00 PM	47.3	46.5	39.6	-	38.6	1.0
05:00 PM - 06:00 PM	49.8	49.1	41.5	-	41.2	0.3
06:00 PM - 07:00 PM	51.6	51.0	42.7	-	41.3	1.4
07:00 PM - 08:00 PM	48.5	47.9	42.2	-	39.6	-2.6
08:00 PM - 09:00 PM	47.9	47.4	38.3	-	41.9	-3.6
09:00 PM - 10:00 PM	44.1	43.6	34.5	-	39.5	-5.0
10:00 PM - 10:05 PM	42.3	42.3	-	0/0	39.4	-
10:05 PM - 10:10 PM	45.2	43.6	-	43.1	39.7	3.4
10:10 PM - 10:15 PM	42.6	42.8	-	0/0	39.3	-
10:15 PM - 10:20 PM	42.0	41.2	-	37.3	38.6	-1.3
10:20 PM - 10:25 PM	45.1	44.6	-	38.5	38.7	-0.2
10:25 PM - 10:30 PM	41.8	41.3	-	35.2	39.1	-3.9
10:30 PM - 10:35 PM	40.9	40.7	-	34.4	38.2	-7.8
10:35 PM - 10:40 PM	40.7	40.2	-	34.1	38.2	-4.1
10:40 PM - 10:45 PM	42.9	42.7	-	32.4	38.4	-6.0
10:45 PM - 10:50 PM	41.0	40.8	-	30.5	38.4	-7.9
10:50 PM - 10:55 PM	40.7	39.3	-	38.1	37.7	0.4
10:55 PM - 11:00 PM	41.1	41.3	-	0/0	38.5	-
11:00 PM - 11:05 PM	41.8	41.3	-	35.2	38.0	-2.8
11:05 PM - 11:10 PM	42.4	41.8	-	38.7	37.8	-0.9
11:10 PM - 11:15 PM	42.3	41.3	-	35.7	38.4	-2.7
11:15 PM - 11:20 PM	41.9	40.4	-	39.6	37.4	2.2
11:20 PM - 11:25 PM	41.4	41.7	-	0/0	39.5	-
11:25 PM - 11:30 PM	43.1	41.5	-	41.0	38.1	2.9
11:30 PM - 11:35 PM	43.2	43.0	-	0/0	41.7	-
11:35 PM - 11:40 PM	42.9	46.6	-	0/0	45.9	-
11:40 PM - 11:45 PM	43.6	46.2	-	0/0	38.4	-
11:45 PM - 11:50 PM	41.2	41.2	-	0/0	38.3	-
11:50 PM - 11:55 PM	40.5	39.7	-	35.8	37.7	-1.9
11:55 PM - 12:00 AM	40.6	40.2	-	33.0	38.0	-5.1
12:00 AM - 12:05 AM	41.5	42.1	-	0/0	38.4	-
12:05 AM - 12:10 AM	42.8	41.2	-	40.7	38.6	2.1
12:10 AM - 12:15 AM	42.1	40.3	-	40.4	38.3	2.1
12:15 AM - 12:20 AM	42.6	41.8	-	37.9	40.3	-2.4

The above results are valid only for the analyzed sample(s) as indicated in the report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wibb.
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Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. 2599078-9
Parameter เสียงรบกวน
Location ถนนบ้าน หมู่ 2 บ้านหนองบัว จ.ลพบุรี (N2) (GPS 47P 0747553, 1427385)
Measurement Date Nov 17 - 18, 2025
Measurement by Apichart Wilars
Sound Level Meter 531299



TESTING
No. 0042

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459180-1

Page 2 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงที่รบกวน	ค่าดัชนีการรบกวน
			กลางวัน	กลางคืน		
12:20 AM - 12:25 AM	40.7	38.5	-	39.7	37.7	2.0
12:25 AM - 12:30 AM	41.9	41.9	-	0/0	38.6	-
12:30 AM - 12:35 AM	50.3	54.3	-	0/0	38.1	-
12:35 AM - 12:40 AM	53.2	41.5	-	55.9	38.1	17.8
12:40 AM - 12:45 AM	42.8	41.4	-	40.2	38.5	1.7
12:45 AM - 12:50 AM	42.5	41.7	-	37.8	39.9	-2.1
12:50 AM - 12:55 AM	43.0	41.2	-	41.3	38.8	2.5
12:55 AM - 01:00 AM	41.5	40.2	-	38.6	37.5	1.1
01:00 AM - 01:05 AM	40.7	40.3	-	33.1	37.9	-4.8
01:05 AM - 01:10 AM	41.8	40.6	-	38.6	37.3	1.3
01:10 AM - 01:15 AM	41.1	42.8	-	0/0	37.5	-
01:15 AM - 01:20 AM	43.4	39.9	-	43.8	37.3	6.5
01:20 AM - 01:25 AM	40.3	39.7	-	34.4	37.0	-2.6
01:25 AM - 01:30 AM	40.1	38.3	-	38.4	36.8	1.6
01:30 AM - 01:35 AM	41.4	40.8	-	35.5	38.3	-2.8
01:35 AM - 01:40 AM	40.9	39.4	-	38.6	37.1	1.5
01:40 AM - 01:45 AM	40.2	39.8	-	37.6	36.7	-4.1
01:45 AM - 01:50 AM	40.2	38.6	-	38.1	36.8	1.3
01:50 AM - 01:55 AM	40.6	40.7	-	0/0	37.8	-
01:55 AM - 02:00 AM	40.7	39.6	-	39.5	37.6	1.9
02:00 AM - 02:05 AM	59.8	57.4	-	59.1	37.8	21.3
02:05 AM - 02:10 AM	40.1	38.1	-	38.8	37.2	1.6
02:10 AM - 02:15 AM	40.2	39.9	-	37.4	37.4	-6.0
02:15 AM - 02:20 AM	41.5	40.9	-	35.6	37.0	-1.4
02:20 AM - 02:25 AM	45.9	45.2	-	40.6	38.1	2.5
02:25 AM - 02:30 AM	41.2	36.7	-	40.6	36.9	3.7
02:30 AM - 02:35 AM	44.1	38.4	-	42.2	36.5	5.7
02:35 AM - 02:40 AM	39.8	38.8	-	35.9	36.7	-0.8
02:40 AM - 02:45 AM	40.8	40.0	-	36.1	37.3	-1.2
02:45 AM - 02:50 AM	39.9	38.0	-	39.0	37.0	1.0
02:50 AM - 02:55 AM	40.5	39.3	-	37.3	37.1	0.2
02:55 AM - 03:00 AM	40.2	38.4	-	38.5	37.1	1.4
03:00 AM - 03:05 AM	39.8	39.8	-	35.6	36.5	-1.3
03:05 AM - 03:10 AM	40.4	38.6	-	38.7	36.9	1.8
03:10 AM - 03:15 AM	42.6	41.2	-	40.0	37.5	2.5
03:15 AM - 03:20 AM	41.4	39.1	-	40.5	37.1	3.4
03:20 AM - 03:25 AM	44.1	42.3	-	42.4	37.5	4.9
03:25 AM - 03:30 AM	44.1	41.4	-	43.8	37.2	6.6
03:30 AM - 03:35 AM	41.7	40.0	-	39.8	37.7	2.1
03:35 AM - 03:40 AM	40.7	38.5	-	39.7	37.7	2.0

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. 2599078-9
Parameter เสียงรบกวน
Location ถนนบ้าน หมู่ 2 บ้านหนองบัว จ.ลพบุรี (N2) (GPS 47P 0747553, 1427385)
Measurement Date Nov 17 - 18, 2025
Measurement by Apichart Wilars
Sound Level Meter 531299



TESTING
No. 0042

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459180-1

Page 3 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงที่รบกวน	ค่าดัชนีการรบกวน
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	41.2	40.2	-	37.3	38.2	-0.9
03:45 AM - 03:50 AM	41.7	39.5	-	40.7	38.2	2.5
03:50 AM - 03:55 AM	41.3	40.3	-	37.4	38.5	-1.1
03:55 AM - 04:00 AM	41.5	39.2	-	40.8	39.2	2.3
04:00 AM - 04:05 AM	43.7	42.9	-	39.0	39.0	0.0
04:05 AM - 04:10 AM	41.6	39.3	-	40.7	38.4	2.3
04:10 AM - 04:15 AM	41.7	40.3	-	39.1	38.4	0.7
04:15 AM - 04:20 AM	42.8	41.2	-	40.7	38.5	2.2
04:20 AM - 04:25 AM	41.5	40.5	-	37.6	38.3	-0.7
04:25 AM - 04:30 AM	42.1	39.8	-	41.2	38.4	2.8
04:30 AM - 04:35 AM	42.4	40.5	-	40.9	38.5	3.9
04:35 AM - 04:40 AM	42.0	40.6	-	39.4	38.7	0.7
04:40 AM - 04:45 AM	42.7	40.6	-	41.5	39.0	2.5
04:45 AM - 04:50 AM	44.4	42.6	-	42.7	39.3	3.4
04:50 AM - 04:55 AM	46.7	44.3	-	46.0	39.4	6.6
04:55 AM - 05:00 AM	44.7	42.5	-	43.7	39.1	4.6
05:00 AM - 05:05 AM	50.3	49.4	-	46.0	40.0	6.0
05:05 AM - 05:10 AM	44.9	43.9	-	41.0	39.7	1.3
05:10 AM - 05:15 AM	42.9	40.7	-	41.9	39.1	2.8
05:15 AM - 05:20 AM	44.8	43.8	-	40.9	39.7	1.2
05:20 AM - 05:25 AM	43.6	41.5	-	42.4	38.9	3.5
05:25 AM - 05:30 AM	45.0	46.4	-	0/0	39.3	-
05:30 AM - 05:35 AM	52.1	48.6	-	52.5	39.1	13.4
05:35 AM - 05:40 AM	44.9	43.6	-	42.0	39.5	2.5
05:40 AM - 05:45 AM	44.7	41.8	-	44.6	39.5	5.1
05:45 AM - 05:50 AM	52.2	50.3	-	50.7	41.2	9.5
05:50 AM - 05:55 AM	46.3	46.3	-	45.0	40.8	5.5
05:55 AM - 06:00 AM	46.6	45.8	-	41.9	40.7	1.2
06:00 AM - 07:00 AM	49.2	47.9	43.3	-	40.3	3.0
07:00 AM - 08:00 AM	50.3	50.0	38.5	-	40.7	-2.3
08:00 AM - 09:00 AM	49.0	48.0	42.1	-	41.2	0.9
09:00 AM - 10:00 AM	49.8	48.6	43.6	-	42.6	1.0

หมายเหตุ:

Reference Method : 1. ISO 1996-1

2. ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงที่รบกวน ระดับเสียงของกิจกรรมการ การตรวจวัดค่าดัชนีการรบกวนของกิจกรรมการ การคำนวณค่าดัชนีการรบกวน และแบบบันทึกการตรวจวัดเสียงรบกวน พ.ศ. 2565

หมายเหตุ: ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงที่รบกวน ระดับเสียงของกิจกรรมการ การตรวจวัดค่าดัชนีการรบกวนของกิจกรรมการ การคำนวณค่าดัชนีการรบกวน และแบบบันทึกการตรวจวัดเสียงรบกวน พ.ศ. 2565

Remark: 1. ผลเสียงจากแหล่งกำเนิด จากการตรวจวัด วันที่ 17-18 พฤศจิกายน 2568

2. ผลเสียงที่รบกวนและเสียงขณะไม่มีการรบกวน (Sample No. 2599080-9) จากการตรวจวัด วันที่ 17-18 พฤศจิกายน 2568

3. ก/ค. ไม่สามารถตรวจวัดระดับเสียงของกิจกรรมการได้ เนื่องจากระดับเสียงของกิจกรรมการไม่สูงพอสำหรับการตรวจวัดระดับเสียงขณะไม่มีการรบกวน

The above results are valid only for the analyzed sample(s) as indicated in the report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. 2599078-10
Parameter เสียงรบกวน
Location ถนนบ้าน หมู่ 2 บ้านหนองบัว จ.ลพบุรี (N2) (GPS 47P 0747553, 1427385)
Measurement Date Nov 18 - 19, 2025
Measurement by Apichart Wilars
Sound Level Meter 531299



TESTING
No. 0042



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-10
Parameter : เสียงรบกวน
Location : กลางบ้าน หมู่ 2 บ้านท่ามะนาว จ.ฉะ. (ส.แม่ท่า) (N2) (GPS 47P 0747553, 1427385)
Measurement Date : Nov 18 - 19, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531299



TESTING
No. 0042

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459181-1

Page 2 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางคืน	กลางวัน		
12:20 AM - 12:25 AM	45.2	44.0	-	42.0	38.7	3.3
12:25 AM - 12:30 AM	41.7	41.5	-	31.2	38.1	-6.9
12:30 AM - 12:35 AM	41.4	40.7	-	36.1	38.1	-2.0
12:35 AM - 12:40 AM	41.3	40.9	-	33.7	37.3	-3.6
12:40 AM - 12:45 AM	43.8	42.8	-	39.9	40.5	-0.6
12:45 AM - 12:50 AM	43.5	41.5	-	42.2	37.4	4.8
12:50 AM - 12:55 AM	41.5	41.4	-	43.1	38.5	-10.4
12:55 AM - 01:00 AM	41.9	40.7	-	38.7	37.7	1.0
01:00 AM - 01:05 AM	42.9	40.6	-	39.9	38.0	1.9
01:05 AM - 01:10 AM	54.1	50.0	-	55.0	38.0	17.0
01:10 AM - 01:15 AM	43.4	42.6	-	38.7	40.5	-1.8
01:15 AM - 01:20 AM	40.7	38.3	-	40.0	36.4	3.6
01:20 AM - 01:25 AM	41.2	40.8	-	33.6	37.8	-4.2
01:25 AM - 01:30 AM	42.6	40.3	-	41.7	36.9	4.8
01:30 AM - 01:35 AM	41.7	41.2	-	35.1	38.1	-3.0
01:35 AM - 01:40 AM	40.4	37.9	-	39.8	36.0	3.8
01:40 AM - 01:45 AM	54.6	54.7	-	40.8	41.8	-
01:45 AM - 01:50 AM	62.1	59.2	-	62.0	55.7	6.3
01:50 AM - 01:55 AM	63.3	59.9	-	63.6	57.8	5.8
01:55 AM - 02:00 AM	65.4	62.3	-	65.5	60.6	4.9
02:00 AM - 02:05 AM	66.4	63.8	-	65.9	60.4	5.5
02:05 AM - 02:10 AM	68.2	65.4	-	68.0	64.2	3.8
02:10 AM - 02:15 AM	67.4	64.6	-	67.2	63.1	4.1
02:15 AM - 02:20 AM	64.0	60.8	-	64.2	55.3	8.9
02:20 AM - 02:25 AM	57.0	54.1	-	56.9	52.4	4.5
02:25 AM - 02:30 AM	59.1	54.3	-	60.4	53.0	7.4
02:30 AM - 02:35 AM	56.3	52.3	-	57.1	49.3	8.0
02:35 AM - 02:40 AM	51.4	49.0	-	50.2	45.6	4.6
02:40 AM - 02:45 AM	53.4	51.1	-	52.5	46.3	6.2
02:45 AM - 02:50 AM	53.2	52.4	-	54.0	42.3	11.7
02:50 AM - 02:55 AM	44.9	42.5	-	44.2	38.7	5.5
02:55 AM - 03:00 AM	45.1	44.0	-	41.6	38.9	2.7
03:00 AM - 03:05 AM	42.5	41.7	-	37.8	38.1	-0.3
03:05 AM - 03:10 AM	43.3	41.9	-	40.7	36.8	3.9
03:10 AM - 03:15 AM	39.7	37.2	-	39.1	36.3	2.8
03:15 AM - 03:20 AM	40.3	40.7	-	39.8	36.8	-
03:20 AM - 03:25 AM	42.9	41.3	-	40.8	37.0	3.8
03:25 AM - 03:30 AM	46.9	44.6	-	46.0	37.0	9.0
03:30 AM - 03:35 AM	42.9	39.7	-	43.1	37.4	5.7
03:35 AM - 03:40 AM	42.2	40.9	-	39.3	37.7	1.6

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-10
Parameter : เสียงรบกวน
Location : กลางบ้าน หมู่ 2 บ้านท่ามะนาว จ.ฉะ. (ส.แม่ท่า) (N2) (GPS 47P 0747553, 1427385)
Measurement Date : Nov 18 - 19, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531299



TESTING
No. 0042

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459181-1

Page 3 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางคืน	กลางวัน		
03:40 AM - 03:45 AM	42.2	40.1	-	41.0	38.3	2.7
03:45 AM - 03:50 AM	41.8	40.7	-	38.3	38.3	0.0
03:50 AM - 03:55 AM	42.3	41.4	-	38.0	38.4	-0.4
03:55 AM - 04:00 AM	43.6	42.8	-	38.9	38.5	0.4
04:00 AM - 04:05 AM	45.5	43.5	-	44.2	38.8	5.4
04:05 AM - 04:10 AM	43.8	41.9	-	42.3	38.5	3.8
04:10 AM - 04:15 AM	45.4	43.5	-	43.9	38.4	5.5
04:15 AM - 04:20 AM	42.4	41.5	-	38.1	38.5	-0.4
04:20 AM - 04:25 AM	43.7	42.0	-	41.8	38.9	2.9
04:25 AM - 04:30 AM	45.3	43.5	-	40.4	39.1	1.3
04:30 AM - 04:35 AM	43.1	40.9	-	42.1	38.6	2.5
04:35 AM - 04:40 AM	46.3	44.0	-	45.4	39.3	6.1
04:40 AM - 04:45 AM	44.3	42.7	-	42.2	39.7	2.5
04:45 AM - 04:50 AM	44.2	41.6	-	43.7	40.2	3.5
04:50 AM - 04:55 AM	44.1	42.9	-	40.9	40.8	0.1
04:55 AM - 05:00 AM	44.9	42.9	-	43.6	40.5	3.1
05:00 AM - 05:05 AM	44.6	40.7	-	43.1	40.6	2.5
05:05 AM - 05:10 AM	45.0	43.7	-	42.1	40.5	1.6
05:10 AM - 05:15 AM	46.2	43.6	-	45.7	40.7	5.0
05:15 AM - 05:20 AM	43.9	41.0	-	39.6	40.1	-0.7
05:20 AM - 05:25 AM	44.6	42.4	-	43.6	41.0	2.6
05:25 AM - 05:30 AM	44.2	41.7	-	43.6	40.7	2.9
05:30 AM - 05:35 AM	44.5	43.4	-	41.0	40.5	0.5
05:35 AM - 05:40 AM	45.9	44.4	-	41.6	38.4	2.7
05:40 AM - 05:45 AM	47.7	46.1	-	45.8	41.8	3.8
05:45 AM - 05:50 AM	47.4	46.0	-	44.8	41.7	3.1
05:50 AM - 05:55 AM	45.5	43.5	-	43.6	41.2	2.3
05:55 AM - 06:00 AM	46.5	45.3	-	43.3	41.0	2.3
06:00 AM - 07:00 AM	48.7	47.4	42.8	-	40.8	2.0
07:00 AM - 08:00 AM	54.2	51.6	43.3	-	45.5	-2.2
08:00 AM - 09:00 AM	51.3	49.8	46.0	-	44.1	3.9
09:00 AM - 10:00 AM	51.7	49.8	47.2	-	45.8	1.4
ค่าเฉลี่ยรวม	-	-	-	-	-	≤ 10

Reference Method :

- ISO 1996-1
- ประกาศกรมอุตุนิยมวิทยาฉบับที่ 29 (พ.ค.2550) เรื่อง การวัดระดับเสียงรบกวน
- ประกาศกรมอุตุนิยมวิทยาฉบับที่ 29 (พ.ค.2550) เรื่อง การวัดระดับเสียงรบกวน

หมายเหตุ :

- ระดับเสียงจากแหล่งกำเนิด มีการตรวจวัด วันที่ 18-19 พฤศจิกายน 2568
- ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2599080-10) ตรวจวัดวันที่ 18-19 พฤศจิกายน 2568
- ค่าเฉลี่ย : ค่าเฉลี่ยของระดับเสียงขณะไม่มีการรบกวนได้ เนื่องจากค่าเฉลี่ยของระดับเสียงขณะไม่มีการรบกวน

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-11
Parameter : เสียงรบกวน
Location : กลางบ้าน หมู่ 2 บ้านท่ามะนาว จ.ฉะ. (ส.แม่ท่า) (N2) (GPS 47P 0747553, 1427385)
Measurement Date : Nov 19 - 20, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531299



TESTING
No. 0042

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459182-1

Page 2 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางคืน	กลางวัน		
10:00 AM - 11:00 AM	52.7	50.8	48.2	-	44.7	3.5
11:00 AM - 12:00 PM	50.9	49.7	44.7	-	43.9	0.8
12:00 PM - 01:00 PM	52.0	50.3	47.1	43.4	3.7	42.3
01:00 PM - 02:00 PM	53.8	53.3	44.2	-	44.1	0.1
02:00 PM - 03:00 PM	51.2	49.4	46.5	-	43.2	3.3
03:00 PM - 04:00 PM	47.8	47.0	40.1	39.4	0.7	40.8
04:00 PM - 05:00 PM	48.4	47.3	41.9	-	40.6	1.3
05:00 PM - 06:00 PM	50.0	49.5	40.4	-	40.6	-0.2
06:00 PM - 07:00 PM	51.0	49.8	44.8	-	42.0	2.8
07:00 PM - 08:00 PM	49.5	48.1	43.9	42.3	1.6	43.5
08:00 PM - 09:00 PM	49.6	48.3	43.7	-	41.8	1.9
09:00 PM - 10:00 PM	46.5	44.4	42.3	-	40.4	1.9
10:00 PM - 10:05 PM	45.3	43.4	43.8	37.8	6.0	43.3
10:05 PM - 10:10 PM	43.3	42.6	-	38.0	38.1	-0.1
10:10 PM - 10:15 PM	49.5	48.7	-	44.8	38.3	6.5
10:15 PM - 10:20 PM	47.0	46.8	-	35.9	40.3	-3.8
10:20 PM - 10:25 PM	69.1	65.9	-	69.3	42.3	27.0
10:25 PM - 10:30 PM	47.6	46.8	-	42.9	39.0	3.9
10:30 PM - 10:35 PM	47.6	44.8	-	47.4	40.0	7.4
10:35 PM - 10:40 PM	46.5	46.3	-	46.5	41.5	-5.5
10:40 PM - 10:45 PM	48.6	46.5	-	47.4	41.9	5.5
10:45 PM - 10:50 PM	49.4	46.5	-	49.3	41.3	8.0
10:50 PM - 10:55 PM	47.0	44.9	-	45.8	39.8	6.0
10:55 PM - 11:00 PM	46.8	44.8	-	45.5	43.2	2.3
11:00 PM - 11:05 PM	55.9	55.4	-	49.3	41.8	7.5
11:05 PM - 11:10 PM	45.4	44.2	-	42.2	40.2	0.1
11:10 PM - 11:15 PM	46.8	44.4	-	46.1	40.2	5.9
11:15 PM - 11:20 PM	47.2	44.6	-	46.7	40.4	6.3
11:20 PM - 11:25 PM	48.4	44.9	-	44.1	41.4	2.7
11:25 PM - 11:30 PM	48.6	46.4	-	47.6	42.4	5.2
11:30 PM - 11:35 PM	48.0	45.6	-	47.3	41.6	5.7
11:35 PM - 11:40 PM	46.3	44.8	-	44.0	42.0	2.0
11:40 PM - 11:45 PM	47.6	45.9	-	45.7	40.2	5.5
11:45 PM - 11:50 PM	49.9	47.4	-	49.3	40.9	8.4
11:50 PM - 11:55 PM	45.8	46.2	-	49.9	39.3	-
11:55 PM - 12:00 AM	49.2	46.4	-	48.9	40.4	8.5
12:00 AM - 12:05 AM	50.5	48.2	-	49.3	43.4	6.2
12:05 AM - 12:10 AM	49.6	46.1	-	50.0	41.5	8.5
12:10 AM - 12:15 AM	51.7	49.4	-	50.8	42.6	8.2
12:15 AM - 12:20 AM	48.8	45.3	-	49.2	40.9	8.3

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-11
Parameter : เสียงรบกวน
Location : กลางบ้าน หมู่ 2 บ้านท่ามะนาว จ.ฉะ. (ส.แม่ท่า) (N2) (GPS 47P 0747553, 1427385)
Measurement Date : Nov 19 - 20, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531299



TESTING
No. 0042



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phakdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-11
Parameter : เสียงรบกวน
Location : ถนนสาย หมู่ 2 บ้านหนองมะปราง จุดที่ 1 (ส.แม่ท่า) (N2) (GPS 47P 0747553, 1427385)
Measurement Date : Nov 20 - 21, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531299



TESTING
No. 0042

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459183-1

Page 2 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงจากไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	42.2	38.5	-	42.8	36.1	6.7
03:45 AM - 03:50 AM	40.5	38.8	-	38.6	36.3	2.3
03:50 AM - 03:55 AM	45.9	42.5	-	46.2	36.0	10.2
03:55 AM - 04:00 AM	41.9	40.3	-	39.8	35.6	4.2
04:00 AM - 04:05 AM	42.5	41.9	-	36.6	37.0	-0.4
04:05 AM - 04:10 AM	40.2	37.5	-	39.9	36.3	3.6
04:10 AM - 04:15 AM	41.8	39.3	-	41.2	36.1	5.1
04:15 AM - 04:20 AM	41.5	39.7	-	39.8	36.4	3.4
04:20 AM - 04:25 AM	44.5	42.9	-	42.4	36.7	5.7
04:25 AM - 04:30 AM	44.5	42.0	-	43.9	37.3	6.6
04:30 AM - 04:35 AM	43.5	42.5	-	39.6	36.8	2.8
04:35 AM - 04:40 AM	44.2	41.0	-	44.4	36.4	8.0
04:40 AM - 04:45 AM	46.0	43.3	-	45.7	36.9	8.8
04:45 AM - 04:50 AM	44.2	42.7	-	41.9	38.2	3.7
04:50 AM - 04:55 AM	50.2	48.0	-	49.2	39.5	9.7
04:55 AM - 05:00 AM	49.4	46.8	-	48.9	39.1	9.8
05:00 AM - 05:05 AM	43.4	41.1	-	42.5	37.2	5.3
05:05 AM - 05:10 AM	43.6	42.5	-	40.1	37.7	2.4
05:10 AM - 05:15 AM	43.6	41.5	-	42.4	37.1	5.3
05:15 AM - 05:20 AM	43.0	41.1	-	41.5	36.3	5.2
05:20 AM - 05:25 AM	42.3	40.3	-	41.0	37.1	3.9
05:25 AM - 05:30 AM	41.5	39.6	-	40.0	36.6	3.4
05:30 AM - 05:35 AM	42.5	42.0	-	35.9	36.9	-1.0
05:35 AM - 05:40 AM	44.8	41.0	-	41.1	37.1	6.0
05:40 AM - 05:45 AM	42.7	44.4	-	n/a	36.8	-
05:45 AM - 05:50 AM	49.7	47.7	-	48.4	38.0	10.4
05:50 AM - 05:55 AM	46.0	44.6	-	42.4	38.2	7.8
05:55 AM - 06:00 AM	47.2	46.2	-	43.3	41.0	2.3
06:00 AM - 07:00 AM	50.6	48.8	45.9	-	41.1	4.8
07:00 AM - 08:00 AM	52.8	51.5	46.9	-	45.3	1.6
08:00 AM - 09:00 AM	54.4	52.6	49.7	-	47.6	2.1
09:00 AM - 10:00 AM	50.3	48.8	45.0	-	42.7	2.3
ค่าเฉลี่ยรวม						≤ 10

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ (ฉบับที่ 2) เรื่อง วิธีการตรวจวัดระดับเสียงพื้นฐาน ระดับเสียงขณะไม่มีการรบกวน การตรวจวัดค่ามาตรฐานระดับเสียงขณะไม่มีการรบกวน การคำนวณค่าระดับเสียง และแบบฉบับวิธีการตรวจวัดเสียงรบกวน พ.ศ. 2565

หมายเหตุ : ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 29 (พ.ศ.2550) (เรื่อง การควบคุมเสียงรบกวน)
Remark:

- ระดับเสียงจากแหล่งกำเนิด มีการตรวจวัด วันที่ 19-20 พฤศจิกายน 2568
- ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2599080-12) มีการตรวจวัด วันที่ 20-21 พฤศจิกายน 2568
- ทุกค่าที่ได้มาจากการคำนวณระดับเสียงขณะไม่มีการรบกวนได้ เนื่องจากระดับเสียงจากแหล่งกำเนิดมีการตรวจวัดเสียงขณะไม่มีการรบกวน

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phakdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-12
Parameter : เสียงรบกวน
Location : ถนนสาย หมู่ 2 บ้านหนองมะปราง จุดที่ 1 (ส.แม่ท่า) (N2) (GPS 47P 0747553, 1427385)
Measurement Date : Nov 20 - 21, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531299



TESTING
No. 0042

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459183-1

Page 2 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงจากไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
12:20 AM - 12:25 AM	36.7	34.6	-	35.5	33.1	2.4
12:25 AM - 12:30 AM	38.6	41.0	-	39.8	33.3	-
12:30 AM - 12:35 AM	36.4	33.9	-	35.8	33.2	2.6
12:35 AM - 12:40 AM	36.3	35.0	-	33.4	33.0	0.4
12:40 AM - 12:45 AM	37.7	40.2	-	n/a	32.9	-
12:45 AM - 12:50 AM	36.6	35.2	-	34.9	33.0	1.0
12:50 AM - 12:55 AM	39.2	33.5	-	37.1	33.5	3.6
12:55 AM - 01:00 AM	39.1	40.8	-	n/a	33.7	-
01:00 AM - 01:05 AM	37.4	35.2	-	36.4	33.9	2.5
01:05 AM - 01:10 AM	37.2	34.6	-	36.7	33.7	1.0
01:10 AM - 01:15 AM	41.1	43.0	-	n/a	34.7	-
01:15 AM - 01:20 AM	38.8	37.1	-	36.9	34.1	2.8
01:20 AM - 01:25 AM	38.0	35.3	-	37.7	34.5	3.3
01:25 AM - 01:30 AM	42.5	42.2	-	33.7	34.4	-0.7
01:30 AM - 01:35 AM	42.7	42.9	-	n/a	34.0	-
01:35 AM - 01:40 AM	37.7	35.2	-	37.1	33.5	3.6
01:40 AM - 01:45 AM	37.5	39.1	-	37.8	33.3	4.5
01:45 AM - 01:50 AM	38.7	40.3	-	37.8	33.8	-
01:50 AM - 01:55 AM	39.1	36.0	-	39.2	33.8	5.4
01:55 AM - 02:00 AM	39.1	41.0	-	n/a	33.3	-
02:00 AM - 02:05 AM	42.0	43.4	-	n/a	34.2	-
02:05 AM - 02:10 AM	38.3	35.7	-	37.8	33.6	4.2
02:10 AM - 02:15 AM	43.0	41.6	-	43.0	34.4	7.6
02:15 AM - 02:20 AM	39.5	36.3	-	39.7	33.2	6.5
02:20 AM - 02:25 AM	44.7	44.2	-	38.1	36.5	1.6
02:25 AM - 02:30 AM	44.3	41.1	-	41.1	38.8	2.3
02:30 AM - 02:35 AM	46.2	42.5	-	46.8	39.0	7.6
02:35 AM - 02:40 AM	46.2	45.1	-	42.7	40.2	2.5
02:40 AM - 02:45 AM	48.8	46.9	-	47.3	42.3	5.0
02:45 AM - 02:50 AM	49.0	46.6	-	48.3	44.5	3.8
02:50 AM - 02:55 AM	53.6	50.6	-	47.5	45.2	8.4
02:55 AM - 03:00 AM	46.9	44.4	-	46.3	41.6	4.7
03:00 AM - 03:05 AM	45.7	42.1	-	46.2	38.4	7.8
03:05 AM - 03:10 AM	42.3	41.7	-	36.4	36.7	-0.3
03:10 AM - 03:15 AM	46.4	44.1	-	45.5	40.8	4.7
03:15 AM - 03:20 AM	46.5	44.0	-	46.6	38.7	7.9
03:20 AM - 03:25 AM	44.1	41.8	-	43.2	44.1	5.3
03:25 AM - 03:30 AM	42.5	42.4	-	39.1	37.4	-8.3
03:30 AM - 03:35 AM	41.2	39.9	-	38.3	36.5	1.8
03:35 AM - 03:40 AM	55.8	53.6	-	45.3	38.2	7.1

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phakdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-12
Parameter : เสียงรบกวน
Location : ถนนสาย หมู่ 2 บ้านหนองมะปราง จุดที่ 1 (ส.แม่ท่า) (N2) (GPS 47P 0747553, 1427385)
Measurement Date : Nov 20 - 21, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531299



TESTING
No. 0042

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459183-1

Page 1 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงจากไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	52.1	50.6	46.8	-	45.9	0.9
11:00 AM - 12:00 PM	50.4	48.9	45.1	-	43.6	1.5
12:00 PM - 01:00 PM	50.1	48.4	45.2	-	43.0	2.2
01:00 PM - 02:00 PM	49.3	48.0	43.4	-	41.8	1.6
02:00 PM - 03:00 PM	55.9	53.3	52.4	-	42.7	9.7
03:00 PM - 04:00 PM	49.9	48.4	44.6	-	42.4	2.2
04:00 PM - 05:00 PM	49.0	48.3	40.7	-	39.6	1.1
05:00 PM - 06:00 PM	49.8	48.9	42.5	-	42.3	0.2
06:00 PM - 07:00 PM	64.4	61.5	61.3	-	39.6	21.7
07:00 PM - 08:00 PM	47.0	46.2	38.7	-	39.2	0.1
08:00 PM - 09:00 PM	45.7	44.8	38.4	-	38.7	-0.3
09:00 PM - 10:00 PM	44.7	42.8	40.2	-	38.2	4.0
10:00 PM - 10:05 PM	43.0	42.7	-	-	34.2	-3.9
10:05 PM - 10:10 PM	44.8	41.7	-	-	44.9	39.2
10:10 PM - 10:15 PM	44.0	42.6	-	-	41.4	38.4
10:15 PM - 10:20 PM	46.9	44.6	-	-	46.0	37.3
10:20 PM - 10:25 PM	41.9	40.6	-	-	39.0	2.8
10:25 PM - 10:30 PM	41.8	41.2	-	-	35.9	3.4
10:30 PM - 10:35 PM	41.8	38.2	-	-	42.3	36.4
10:35 PM - 10:40 PM	50.9	48.6	-	-	50.0	35.2
10:40 PM - 10:45 PM	41.9	40.4	-	-	39.6	35.4
10:45 PM - 10:50 PM	39.6	37.5	-	-	38.4	35.9
10:50 PM - 10:55 PM	40.3	38.4	-	-	35.6	3.2
10:55 PM - 11:00 PM	38.9	36.8	-	-	37.7	35.0
11:00 PM - 11:05 PM	48.0	45.0	-	-	48.0	34.7
11:05 PM - 11:10 PM	38.6	36.9	-	-	36.7	34.3
11:10 PM - 11:15 PM	39.5	39.2	-	-	30.7	34.1
11:15 PM - 11:20 PM	40.0	37.5	-	-	39.4	32.9
11:20 PM - 11:25 PM	37.4	35.2	-	-	n/a	32.9
11:25 PM - 11:30 PM	41.2	40.3	-	-	n/a	43.1
11:30 PM - 11:35 PM	56.9	58.1	-	-	n/a	46.0
11:35 PM - 11:40 PM	47.7	51.3	-	-	n/a	44.3
11:40 PM - 11:45 PM	51.6	42.3	-	-	53.9	34.5
11:45 PM - 11:50 PM	40.8	42.8	-	-	40.8	34.8
11:50 PM - 11:55 PM	38.1	36.2	-	-	36.6	33.3
11:55 PM - 12:00 AM	36.9	35.6	-	-	39.9	33.0
12:00 AM - 12:05 AM	40.6	33.0	-	-	34.7	33.8
12:05 AM - 12:10 AM	36.6	34.4	-	-	35.6	33.6
12:10 AM - 12:15 AM	65.7	63.7	-	-	64.4	33.7
12:15 AM - 12:20 AM	48.8	45.5	-	-	49.1	33.1

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-13
Parameter : เสียงรบกวน
Location : ถนนบ้าน หมู่ 2 บ้านหนองมะปราง จ.ต.1 (ส.แม่ท่าเรือ) (N2) (GPS 47P 0747553, 1427385)
Measurement Date : Nov 21 - 22, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531299

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	49.6	48.5	43.1	-	42.4	0.7
11:00 AM - 12:00 PM	50.1	49.2	42.8	-	42.9	-0.1
12:00 PM - 01:00 PM	54.3	53.6	56.0	-	41.4	14.6
01:00 PM - 02:00 PM	57.9	55.2	54.6	-	40.2	14.4
02:00 PM - 03:00 PM	50.8	50.0	43.1	-	40.6	2.5
03:00 PM - 04:00 PM	48.2	47.1	41.7	-	40.2	1.5
04:00 PM - 05:00 PM	50.2	49.6	41.3	-	42.6	-1.5
05:00 PM - 06:00 PM	50.3	50.1	36.8	-	42.6	-5.8
06:00 PM - 07:00 PM	49.0	48.2	41.3	-	38.9	2.4
07:00 PM - 08:00 PM	46.9	45.9	40.9	-	39.2	0.8
08:00 PM - 09:00 PM	46.8	46.4	36.2	-	41.8	-5.6
09:00 PM - 10:00 PM	44.2	43.8	33.6	-	36.2	-2.6
10:00 PM - 10:05 PM	42.7	43.0	-	n/a	35.8	6.7
10:05 PM - 10:10 PM	39.9	37.6	-	39.0	35.0	4.0
10:10 PM - 10:15 PM	38.6	38.1	-	32.0	34.7	-2.7
10:15 PM - 10:20 PM	39.9	41.3	-	01.9	34.8	-
10:20 PM - 10:25 PM	43.2	41.8	-	40.6	34.9	5.7
10:25 PM - 10:30 PM	50.6	49.8	-	45.9	35.4	10.5
10:30 PM - 10:35 PM	38.4	35.7	-	38.1	34.5	3.6
10:35 PM - 10:40 PM	43.6	42.0	-	41.5	34.6	6.9
10:40 PM - 10:45 PM	45.1	43.8	-	42.2	34.8	7.4
10:45 PM - 10:50 PM	48.3	46.4	-	46.8	35.6	11.2
10:50 PM - 10:55 PM	42.9	40.9	-	41.6	34.9	6.7
10:55 PM - 11:00 PM	39.9	37.5	-	39.2	34.5	4.7
11:00 PM - 11:05 PM	40.2	43.7	-	n/a	34.5	-
11:05 PM - 11:10 PM	50.8	52.6	-	47.6	34.6	13.0
11:10 PM - 11:15 PM	54.3	53.9	-	51.7	40.3	11.4
11:15 PM - 11:20 PM	52.8	50.4	-	52.1	35.6	16.5
11:20 PM - 11:25 PM	46.5	46.0	-	39.9	35.0	0.9
11:25 PM - 11:30 PM	44.1	39.9	-	45.0	34.3	10.7
11:30 PM - 11:35 PM	46.0	44.3	-	44.3	34.4	9.9
11:35 PM - 11:40 PM	49.8	48.8	-	45.9	35.1	10.8
11:40 PM - 11:45 PM	42.2	49.1	-	40.2	34.4	-
11:45 PM - 11:50 PM	60.5	58.6	-	59.0	35.3	23.7
11:50 PM - 11:55 PM	45.0	42.0	-	40.5	34.4	10.6
11:55 PM - 12:00 AM	41.6	41.2	-	01.9	34.7	-
12:00 AM - 12:05 AM	44.6	44.6	-	34.9	34.9	3.8
12:05 AM - 12:10 AM	40.1	35.9	-	41.0	33.9	7.1
12:10 AM - 12:15 AM	38.6	39.7	-	01.9	34.3	-
12:15 AM - 12:20 AM	41.3	40.9	-	33.7	34.5	-0.8

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TESTING

No. 0042

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459184-1

Page 1 of 3



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-13
Parameter : เสียงรบกวน
Location : ถนนบ้าน หมู่ 2 บ้านหนองมะปราง จ.ต.1 (ส.แม่ท่าเรือ) (N2) (GPS 47P 0747553, 1427385)
Measurement Date : Nov 21 - 22, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531299

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
12:20 AM - 12:25 AM	39.1	37.6	-	36.8	34.5	2.3
12:25 AM - 12:30 AM	40.3	38.8	-	38.0	34.9	3.1
12:30 AM - 12:35 AM	38.3	40.1	-	n/a	35.2	-
12:35 AM - 12:40 AM	38.1	37.4	-	32.8	34.4	-1.6
12:40 AM - 12:45 AM	38.1	36.3	-	36.4	34.5	1.9
12:45 AM - 12:50 AM	37.5	35.6	-	36.0	34.5	1.5
12:50 AM - 12:55 AM	40.8	41.7	-	n/a	35.2	-
12:55 AM - 01:00 AM	38.7	37.7	-	35.2	35.1	0.1
01:00 AM - 01:05 AM	41.0	39.3	-	39.1	35.2	3.9
01:05 AM - 01:10 AM	38.5	39.9	-	n/a	35.4	-
01:10 AM - 01:15 AM	40.4	36.9	-	40.8	35.7	5.1
01:15 AM - 01:20 AM	39.5	41.3	-	n/a	35.8	-
01:20 AM - 01:25 AM	39.6	38.3	-	36.7	36.2	1.5
01:25 AM - 01:30 AM	37.6	35.7	-	36.1	34.9	1.2
01:30 AM - 01:35 AM	48.6	47.9	-	43.3	34.3	9.0
01:35 AM - 01:40 AM	37.9	36.1	-	36.2	33.6	2.6
01:40 AM - 01:45 AM	37.2	40.2	-	n/a	33.6	-
01:45 AM - 01:50 AM	37.7	35.7	-	36.4	33.4	3.0
01:50 AM - 01:55 AM	38.9	37.1	-	37.2	33.6	3.6
01:55 AM - 02:00 AM	37.1	34.5	-	39.4	33.5	3.1
02:00 AM - 02:05 AM	37.1	34.6	-	36.5	33.7	2.8
02:05 AM - 02:10 AM	37.5	38.7	-	n/a	34.1	-
02:10 AM - 02:15 AM	40.3	40.0	-	31.9	35.0	-3.3
02:15 AM - 02:20 AM	40.9	40.4	-	34.3	35.2	-0.9
02:20 AM - 02:25 AM	39.4	36.2	-	39.6	35.0	4.6
02:25 AM - 02:30 AM	38.2	35.7	-	37.6	34.8	2.8
02:30 AM - 02:35 AM	38.1	36.0	-	36.9	35.0	3.1
02:35 AM - 02:40 AM	39.1	40.7	-	n/a	35.5	-
02:40 AM - 02:45 AM	38.5	36.4	-	37.3	35.4	1.9
02:45 AM - 02:50 AM	39.7	34.9	-	36.0	36.1	1.8
02:50 AM - 02:55 AM	39.6	37.6	-	38.3	36.4	1.9
02:55 AM - 03:00 AM	39.8	38.1	-	37.9	36.1	1.8
03:00 AM - 03:05 AM	40.2	41.4	-	n/a	36.4	-
03:05 AM - 03:10 AM	59.4	60.9	-	n/a	36.9	-
03:10 AM - 03:15 AM	65.4	63.2	-	64.4	37.6	26.8
03:15 AM - 03:20 AM	37.5	54.4	-	57.6	37.0	20.6
03:20 AM - 03:25 AM	40.8	39.2	-	38.7	37.0	3.8
03:25 AM - 03:30 AM	63.4	62.7	-	58.1	38.0	20.1
03:30 AM - 03:35 AM	66.5	66.5	-	n/a	38.1	-
03:35 AM - 03:40 AM	60.6	57.0	-	61.1	38.1	23.0

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-13
Parameter : เสียงรบกวน
Location : ถนนบ้าน หมู่ 2 บ้านหนองมะปราง จ.ต.1 (ส.แม่ท่าเรือ) (N2) (GPS 47P 0747553, 1427385)
Measurement Date : Nov 21 - 22, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531299

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	50.7	52.6	-	n/a	38.0	-
03:45 AM - 03:50 AM	41.4	38.3	-	41.5	37.0	4.5
03:50 AM - 03:55 AM	40.7	38.6	-	39.5	36.4	3.1
03:55 AM - 04:00 AM	40.4	38.3	-	38.3	36.3	2.3
04:00 AM - 04:05 AM	40.3	38.7	-	38.2	36.4	1.8
04:05 AM - 04:10 AM	43.9	41.5	-	43.2	37.3	5.9
04:10 AM - 04:15 AM	45.9	49.7	-	40.9	38.6	-
04:15 AM - 04:20 AM	52.3	49.8	-	51.7	37.2	14.5
04:20 AM - 04:25 AM	42.6	40.7	-	41.1	37.3	3.8
04:25 AM - 04:30 AM	42.0	39.5	-	41.4	36.3	3.1
04:30 AM - 04:35 AM	51.0	49.9	-	49.9	38.0	-
04:35 AM - 04:40 AM	63.4	61.3	-	62.2	38.3	23.9
04:40 AM - 04:45 AM	43.1	41.1	-	41.8	38.2	3.6
04:45 AM - 04:50 AM	43.2	41.0	-	42.2	37.7	4.5
04:50 AM - 04:55 AM	43.4	41.7	-	41.5	38.2	3.3
04:55 AM - 05:00 AM	43.0	42.2	-	38.3	38.3	0.0
05:00 AM - 05:05 AM	42.4	41.5	-	39.6	38.4	-0.3
05:05 AM - 05:10 AM	43.5	42.5	-	39.6	39.7	-0.1
05:10 AM - 05:15 AM	43.2	42.1	-	39.7	39.6	0.1
05:15 AM - 05:20 AM	43.4	42.5	-	39.1	39.5	-0.4
05:20 AM - 05:25 AM	43.5	42.4	-	40.0	39.7	0.3
05:25 AM - 05:30 AM	43.6	41.9	-	41.7	39.7	2.0
05:30 AM - 05:35 AM	44.4	42.9	-	42.1	38.7	3.4
05:35 AM - 05:40 AM	43.0	42.0	-	39.1	38.5	0.6
05:40 AM - 05:45 AM	44.0	42.6	-	41.4	39.0	2.4
05:45 AM - 05:50 AM	46.0	45.2	-	41.3	39.3	2.0
05:50 AM - 05:55 AM	45.1	43.9	-	41.9	39.1	2.6
05:55 AM - 06:00 AM	44.2	43.2	-	40.3	38.9	1.4
06:00 AM - 07:00 AM	54.9	54.1	47.2	-	38.6	8.6
07:00 AM - 08:00 AM	50.0	49.6	39.4	-	40.3	-0.9
08:00 AM - 09:00 AM	49.3	48.7	40.4	-	40.4	0.0
09:00 AM - 10:00 AM	49.4	49.0	38.8	-	42.1	-3.3

หมายเหตุ:

1. ผลสัมฤทธิ์จากแหล่งกำเนิด การจราจรทางบก วันที่ 21-22 พฤศจิกายน 2568
2. ผลสัมฤทธิ์จากแหล่งกำเนิดเสียงรบกวนไม่มีการรบกวน (Sample No. 2599080-13) วันที่ 21-22 พฤศจิกายน 2568
3. ก/อ. ใบอนุญาตฯ ของกรมส่งเสริมการค้าระหว่างประเทศ (ส.แม่ท่าเรือ) (N2) (GPS 47P 0747553, 1427385) (เอกสารแนบท้ายใบอนุญาตนี้อยู่ภายใต้การควบคุมของกรมส่งเสริมการค้าระหว่างประเทศ)

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TESTING

No. 0042

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459184-1

Page 3 of 3



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-14
Parameter : เสียงรบกวน
Location : ถนนบ้าน หมู่ 2 บ้านหนองมะปราง จ.ต.1 (ส.แม่ท่าเรือ) (N2) (GPS 47P 0747553, 1427385)
Measurement Date : Nov 22 - 23, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531299

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	50.0	48.9	43.5	-	42.1	1.4
11:00 AM - 12:00 PM	50.0	49.4	41.1	-	44.0	-2.9
12:00 PM - 01:00 PM	51.2	50.3	43.0	-	41.8	2.1
01:00 PM - 02:00 PM	49.0	48.7	37.2	-	41.2	-4



Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459185-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-14
Parameter : เสียงรบกวน
Location : กลุ่มบ้าน หมู่ 2 บ้านทอนและบึง ๑ (ส.แม่ท่าช้าง) (N2) (GPS 47P 0747553, 1427385)
Measurement Date : Nov 22 - 23, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531299

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงจากไม่มีการรบกวน	เสียงจากกิจกรรมการรบกวน	เสียงที่ปรากฏ	ค่าเฉลี่ย	ค่าเฉลี่ย
12:20 AM - 12:25 AM	41.6	41.1	-	35.0	34.9	0.1
12:25 AM - 12:30 AM	41.3	41.8	-	n/a	33.9	-
12:30 AM - 12:35 AM	41.4	38.3	-	41.5	34.2	7.3
12:35 AM - 12:40 AM	37.4	35.7	-	35.5	34.8	0.7
12:40 AM - 12:45 AM	38.3	39.4	-	n/a	35.7	-
12:45 AM - 12:50 AM	43.7	46.1	-	n/a	39.6	-
12:50 AM - 12:55 AM	45.3	46.7	-	n/a	45.3	-
12:55 AM - 01:00 AM	42.9	46.6	-	n/a	44.3	-
01:00 AM - 01:05 AM	42.7	40.2	-	42.1	35.6	6.5
01:05 AM - 01:10 AM	38.3	35.5	-	38.1	34.9	3.7
01:10 AM - 01:15 AM	36.9	35.2	-	35.0	34.4	0.6
01:15 AM - 01:20 AM	38.0	39.2	-	n/a	34.8	-
01:20 AM - 01:25 AM	46.0	45.1	-	41.7	37.0	4.7
01:25 AM - 01:30 AM	38.4	36.1	-	37.5	34.8	2.7
01:30 AM - 01:35 AM	37.8	35.5	-	36.9	34.1	2.8
01:35 AM - 01:40 AM	38.1	36.4	-	36.2	34.3	1.9
01:40 AM - 01:45 AM	37.5	36.4	-	34.0	34.9	-0.9
01:45 AM - 01:50 AM	38.8	37.8	-	34.9	34.7	0.2
01:50 AM - 01:55 AM	37.2	35.3	-	35.7	34.6	1.1
01:55 AM - 02:00 AM	44.7	43.7	-	40.8	34.5	6.3
02:00 AM - 02:05 AM	39.4	37.9	-	37.1	35.4	1.7
02:05 AM - 02:10 AM	38.1	36.4	-	36.2	35.1	1.1
02:10 AM - 02:15 AM	38.4	36.4	-	37.1	35.0	2.1
02:15 AM - 02:20 AM	41.8	40.9	-	37.5	34.9	2.6
02:20 AM - 02:25 AM	37.7	36.0	-	35.8	34.1	1.7
02:25 AM - 02:30 AM	36.9	35.2	-	35.0	33.0	2.0
02:30 AM - 02:35 AM	39.1	37.7	-	36.5	33.7	3.2
02:35 AM - 02:40 AM	36.3	33.9	-	35.6	32.4	3.2
02:40 AM - 02:45 AM	36.0	34.0	-	34.7	32.4	2.3
02:45 AM - 02:50 AM	38.1	36.8	-	35.2	33.2	2.0
02:50 AM - 02:55 AM	36.2	34.0	-	35.2	32.7	2.5
02:55 AM - 03:00 AM	38.5	36.9	-	36.4	33.3	3.1
03:00 AM - 03:05 AM	36.9	34.8	-	35.7	33.1	2.6
03:05 AM - 03:10 AM	37.3	35.1	-	34.1	33.6	0.5
03:10 AM - 03:15 AM	40.2	38.2	-	38.9	34.3	4.6
03:15 AM - 03:20 AM	41.2	39.8	-	38.8	34.4	4.2
03:20 AM - 03:25 AM	42.9	40.5	-	42.2	34.6	7.6
03:25 AM - 03:30 AM	41.5	39.3	-	40.5	34.7	5.8
03:30 AM - 03:35 AM	42.2	40.7	-	39.9	35.1	4.8
03:35 AM - 03:40 AM	41.6	40.2	-	39.0	34.8	4.2

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459185-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-14
Parameter : เสียงรบกวน
Location : กลุ่มบ้าน หมู่ 2 บ้านทอนและบึง ๑ (ส.แม่ท่าช้าง) (N2) (GPS 47P 0747553, 1427385)
Measurement Date : Nov 22 - 23, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531299

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงจากไม่มีการรบกวน	เสียงจากกิจกรรมการรบกวน	เสียงที่ปรากฏ	ค่าเฉลี่ย	ค่าเฉลี่ย
03:40 AM - 03:45 AM	40.6	38.8	-	38.9	34.1	4.8
03:45 AM - 03:50 AM	37.8	34.7	-	37.9	33.8	4.1
03:50 AM - 03:55 AM	39.3	36.9	-	38.6	34.3	4.3
03:55 AM - 04:00 AM	39.6	38.7	-	35.3	34.5	0.8
04:00 AM - 04:05 AM	40.9	37.8	-	41.0	35.4	5.6
04:05 AM - 04:10 AM	40.1	37.8	-	39.2	35.6	3.6
04:10 AM - 04:15 AM	39.0	36.6	-	38.3	35.9	2.4
04:15 AM - 04:20 AM	40.5	38.5	-	39.2	35.6	3.6
04:20 AM - 04:25 AM	39.6	37.9	-	37.7	36.1	1.6
04:25 AM - 04:30 AM	42.4	40.6	-	40.7	36.8	3.9
04:30 AM - 04:35 AM	43.8	41.6	-	42.8	36.5	6.3
04:35 AM - 04:40 AM	41.1	38.8	-	40.2	36.2	4.0
04:40 AM - 04:45 AM	40.3	38.0	-	39.4	36.4	3.0
04:45 AM - 04:50 AM	41.9	41.1	-	37.2	36.2	1.0
04:50 AM - 04:55 AM	43.4	40.5	-	43.3	36.5	6.8
04:55 AM - 05:00 AM	44.3	42.8	-	42.0	37.2	4.8
05:00 AM - 05:05 AM	45.1	42.4	-	44.8	36.4	8.4
05:05 AM - 05:10 AM	43.1	41.4	-	41.2	36.7	4.5
05:10 AM - 05:15 AM	45.0	42.4	-	44.5	36.6	7.9
05:15 AM - 05:20 AM	42.7	40.3	-	40.1	37.2	2.9
05:20 AM - 05:25 AM	43.2	41.6	-	41.1	37.2	3.9
05:25 AM - 05:30 AM	41.6	46.5	-	n/a	37.3	-
05:30 AM - 05:35 AM	47.9	42.5	-	49.4	37.5	11.9
05:35 AM - 05:40 AM	43.1	42.7	-	35.5	37.9	-2.4
05:40 AM - 05:45 AM	49.5	47.6	-	48.0	38.5	9.5
05:45 AM - 05:50 AM	44.5	41.4	-	44.6	38.1	6.5
05:50 AM - 05:55 AM	42.3	40.1	-	41.3	37.8	3.5
05:55 AM - 06:00 AM	46.1	44.6	-	43.8	38.7	5.1
06:00 AM - 07:00 AM	50.2	47.7	46.6	-	38.3	8.3
07:00 AM - 08:00 AM	49.6	49.0	-	-	41.8	-1.1
08:00 AM - 09:00 AM	48.9	48.2	-	-	41.4	-0.6
09:00 AM - 10:00 AM	49.0	49.4	n/a	-	41.2	-

Reference Method :

- ISO 1996-1
- ประเทศไทยคณะกรรมการควบคุมมลพิษ (กค.ม.) ใช้การตรวจวัดระดับเสียงที่จุดวัด ระดับเสียงตามปกติการรบกวน การตรวจวัดค่าการรบกวนเสียงตามปกติการรบกวน การคำนวณค่าการรบกวนเสียงตามปกติการรบกวน
- กค.ม. ใช้การตรวจวัดระดับเสียงตามปกติการรบกวน ค่าเฉลี่ยค่าการรบกวนเสียงตามปกติการรบกวน

หมายเหตุ :

- ระดับเสียงจากแหล่งกำเนิด มีการตรวจวัด วันที่ 22-23 พฤศจิกายน 2568
- ระดับเสียงที่ปรากฏตามระดับเสียงตามปกติการรบกวน (Sample No.2599080-14) วันตรวจวัด 22-23 พฤศจิกายน 2568
- กค.ม. ใช้การตรวจวัดระดับเสียงตามปกติการรบกวน ค่าเฉลี่ยค่าการรบกวนเสียงตามปกติการรบกวน

Approved by

Wiwann Borirak
Manager

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459186-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-15
Parameter : เสียงรบกวน
Location : กลุ่มบ้าน หมู่ 2 บ้านทอนและบึง ๑ (ส.แม่ท่าช้าง) (N3) (GPS 47P 0745668, 1429442)
Measurement Date : Nov 16 - 17, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 1120937

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงจากไม่มีการรบกวน	เสียงจากกิจกรรมการรบกวน	เสียงที่ปรากฏ	ค่าเฉลี่ย	ค่าเฉลี่ย
10:00 AM - 11:00 AM	55.4	53.0	51.7	-	42.9	8.8
11:00 AM - 12:00 PM	54.7	53.6	48.2	-	43.7	4.5
12:00 PM - 01:00 PM	57.0	55.3	48.7	-	49.5	-0.8
01:00 PM - 02:00 PM	56.4	53.8	52.9	-	46.9	6.0
02:00 PM - 03:00 PM	55.4	55.2	48.1	-	47.0	1.1
03:00 PM - 04:00 PM	57.0	56.3	49.3	-	45.5	3.8
04:00 PM - 05:00 PM	58.0	56.8	51.8	-	42.8	9.0
05:00 PM - 06:00 PM	56.9	54.2	53.6	-	43.6	10.0
06:00 PM - 07:00 PM	55.2	54.5	46.9	-	44.5	2.4
07:00 PM - 08:00 PM	52.2	49.1	49.3	-	44.4	4.9
08:00 PM - 09:00 PM	46.2	45.2	39.3	-	42.6	-3.3
09:00 PM - 10:00 PM	45.2	43.8	39.6	-	37.9	1.7
10:00 PM - 10:05 PM	40.6	44.8	n/a	-	36.5	-
10:05 PM - 10:10 PM	41.4	40.0	-	38.8	36.6	2.2
10:10 PM - 10:15 PM	50.2	38.6	-	52.9	35.6	17.3
10:15 PM - 10:20 PM	47.4	39.5	-	49.6	35.7	13.9
10:20 PM - 10:25 PM	40.6	42.8	-	36.5	35.5	-
10:25 PM - 10:30 PM	40.6	62.8	-	n/a	35.0	-
10:30 PM - 10:35 PM	38.7	41.3	-	34.9	35.2	-
10:35 PM - 10:40 PM	44.1	42.6	-	34.1	34.6	7.7
10:40 PM - 10:45 PM	61.3	47.7	-	64.1	34.8	29.3
10:45 PM - 10:50 PM	42.7	38.4	-	43.7	35.0	8.7
10:50 PM - 10:55 PM	44.6	42.7	-	43.1	34.9	8.2
10:55 PM - 11:00 PM	48.7	46.2	-	48.1	34.4	13.7
11:00 PM - 11:05 PM	38.4	40.7	-	n/a	34.2	-
11:05 PM - 11:10 PM	40.0	45.6	-	n/a	33.9	-
11:10 PM - 11:15 PM	47.0	40.2	-	49.0	33.6	15.4
11:15 PM - 11:20 PM	40.9	38.6	-	40.0	33.8	6.2
11:20 PM - 11:25 PM	47.0	43.3	-	47.6	33.7	13.9
11:25 PM - 11:30 PM	42.8	42.6	-	34.1	33.4	0.7
11:30 PM - 11:35 PM	40.0	48.5	-	n/a	35.5	-
11:35 PM - 11:40 PM	44.5	45.5	-	n/a	35.5	-
11:40 PM - 11:45 PM	42.4	39.2	-	42.1	34.7	7.4
11:45 PM - 11:50 PM	49.5	40.3	-	51.9	35.6	16.3
11:50 PM - 11:55 PM	47.5	44.2	-	47.8	35.5	12.3
11:55 PM - 12:00 AM	46.1	45.7	-	36.2	35.2	2.3
12:00 AM - 12:05 AM	43.7	41.4	-	42.8	35.5	7.3
12:05 AM - 12:10 AM	46.3	41.6	-	47.5	35.5	12.0
12:10 AM - 12:15 AM	48.2	48.8	-	n/a	37.0	-
12:15 AM - 12:20 AM	43.9	48.6	-	n/a	35.4	-

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Approved by

Wiwann Borirak
Manager

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459186-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-15
Parameter : เสียงรบกวน
Location : กลุ่มบ้าน หมู่ 2 บ้านทอนและบึง ๑ (ส.แม่ท่าช้าง) (N3) (GPS 47P 0745668, 1429442)
Measurement Date : Nov 16 - 17, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 1120937

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงจากไม่มีการรบกวน	เสียงรบกวนกิจกรรมการรบกวน		เสียงที่ปรากฏ	ค่าเฉลี่ยการรบกวน
			ค่าเสียง	ค่าเสียง		
12:20 AM - 12:25 AM	44.9	48.8	-	n/a	36.4	-
12:25 AM - 12:30 AM	49.3	48.4	-	45.0	40.4	4.6
12:30 AM - 12:35 AM	49.6	48.4	-	46.6	40.2	6.2
12:35 AM - 12:40 AM	50.9	48.4	-	46.6	40.1	6.5
12:40 AM - 12:45 AM	51.6	49.6	-	50.3	42.1	8.2
12:45 AM - 12:50 AM	50.9	52.4	-	n/a	40.8	-
12:50 AM - 12:55 AM	52.2	56.0	-	n/a	45.0	-
12:55 AM - 01:00 AM	52.9	57.3	-	n/a	48.7	-
01:00 AM - 01:05 AM	54.8	56.7	-	n/a	42.8	-
01:05 AM - 01:10 AM	57.5	57.5	-	50.9	52.2	-1.3
01:10 AM - 01:15 AM	58.9	56.0	-	58.2	51.9	6.3
01:15 AM - 01:20 AM	58.3	55.6	-	58.8	50.5	7.8
01:20 AM - 01:25 AM	58.6	47.2	-	61.3	37.8	23.5
01:25 AM - 01:30 AM	58.2	45.2	-	61.0	38.5	22.5
01:30 AM - 01:35 AM	57.3	52.6	-	58.5	37.1	21.4
01:35 AM - 01:40 AM	51.2	52.6	-	n/a	38.1	-
01:40 AM - 01:45 AM	48.4	55.6	-	n/a	40.6	-
01:45 AM - 01:50 AM	53.4	51.3	-	52.2	44.4	13.8
01:50 AM - 01:55 AM	53.6	54.8	-	54.6	37.4	17.4
01:55 AM - 02:00 AM	56.3	51.5	-	57.6	38.6	19.0
02:00 AM - 02:05 AM	52.4	48.2	-	53.3	39.2	14.1
02:05 AM - 02:10 AM	49.1	49.1	-	49.1	39.2	9.9
02:10 AM - 02:15 AM	52.9	47.1	-	54.6	39.0	15.6
02:15 AM - 02:20 AM	48.9	49.1	-	n/a	39.1	-
02:20 AM - 02:25 AM	48.4	50.3	-	n/a	40.1	-
02:25 AM - 02:30 AM	47.7	49.5	-	n/a	40.0	-
02:30 AM - 02:35 AM	50.6	48.1	-	50.0	39.7	10.3
02:35 AM - 02:40 AM	50.8	42.6	-	53.1	40.0	13.1
02:40 AM - 02:45 AM	49.9	41.8	-	52.2	39.9	12.3
02:45 AM - 02:50 AM	49.5	41.7	-	51.7	39.7	12.0
02:50 AM - 02:55 AM	45.1	40.2	-	46.4	38.5	7.9
02:55 AM - 03:00 AM	44.8	41.8	-	44.8	39.3	5.5
03:00 AM - 03:05 AM	42.2	41.3	-	41.3	37.9	-1.6
03:05 AM - 03:10 AM	41.2	41.2	-	n/a	39.6	-
03:10 AM - 03:15 AM	42.8	49.3	-	n/a	38.3	-
03:15 AM - 03:20 AM	41.7	47.5	-	n/a	37.7	-
03:20 AM - 03:25 AM	51.3	58.1	-	n/a	38.1	-
03:25 AM - 03:30 AM	56.2	53.8	-	55.5	37.5	18.0
03:30 AM - 03:35 AM	53.6	40.6	-	58.4	37.4	19.0
03:35 AM - 03:40 AM	66.4	40.6	-	56.4	36.4	29.9



Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459187-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample No. 2599078-15
Parameter เลือกลูก
Location ถนนบ้าน หมู่ 2 บ้านพลและบึง จศ 2 (ส.แม่ท่า) (N3) (GPS 47P 0745668, 1429442)
Measurement Date Nov 17 - 18, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120937

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขนถ่าย	ระดับเสียง (dB(A))		เสียงที่ปรากฏ	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	55.0	46.6	-	57.3	37.3	20.0
03:45 AM - 03:50 AM	40.5	38.8	-	0/0	38.8	-
03:50 AM - 03:55 AM	41.7	38.8	-	0/0	36.9	-
03:55 AM - 04:00 AM	40.8	36.6	-	0/0	36.0	-
04:00 AM - 04:05 AM	56.1	66.6	-	0/0	37.5	-
04:05 AM - 04:10 AM	56.6	67.6	-	0/0	41.1	-
04:10 AM - 04:15 AM	55.9	62.7	-	0/0	39.0	-
04:15 AM - 04:20 AM	61.0	43.5	-	63.9	39.4	24.5
04:20 AM - 04:25 AM	64.5	46.2	-	67.4	39.5	27.9
04:25 AM - 04:30 AM	60.4	47.3	-	63.2	39.3	23.9
04:30 AM - 04:35 AM	46.2	50.4	-	0/0	39.5	-
04:35 AM - 04:40 AM	47.0	50.0	-	0/0	38.1	-
04:40 AM - 04:45 AM	48.8	54.4	-	0/0	38.9	-
04:45 AM - 04:50 AM	54.0	50.0	-	54.8	38.2	16.6
04:50 AM - 04:55 AM	51.5	51.0	-	44.9	38.8	6.1
04:55 AM - 05:00 AM	54.8	52.8	-	53.5	37.6	15.9
05:00 AM - 05:05 AM	49.2	53.3	-	0/0	37.1	-
05:05 AM - 05:10 AM	52.0	50.7	-	49.3	36.4	12.7
05:10 AM - 05:15 AM	51.4	51.4	-	0/0	37.2	-
05:15 AM - 05:20 AM	54.3	58.0	-	0/0	37.4	-
05:20 AM - 05:25 AM	51.0	53.8	-	0/0	37.5	-
05:25 AM - 05:30 AM	52.3	54.1	-	0/0	38.8	-
05:30 AM - 05:35 AM	58.1	56.5	-	56.0	36.9	19.1
05:35 AM - 05:40 AM	52.7	51.1	-	41.0	36.9	-
05:40 AM - 05:45 AM	57.7	55.7	-	58.4	45.6	10.8
05:45 AM - 05:50 AM	54.0	55.6	-	0/0	46.0	-
05:50 AM - 05:55 AM	56.3	63.7	-	55.8	45.3	10.5
05:55 AM - 06:00 AM	56.4	60.4	-	0/0	45.9	-
06:00 AM - 07:00 AM	56.1	54.5	51.0	-	46.6	4.4
07:00 AM - 08:00 AM	55.8	55.7	39.4	-	45.6	6.2
08:00 AM - 09:00 AM	56.6	48.1	54.3	-	48.1	6.2
09:00 AM - 10:00 AM	57.2	56.3	49.9	-	47.8	2.1
ค่าเฉลี่ยรวม						≤ 10

Reference Method :

1. ISO 1996-1
2. ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง "วิธีการตรวจวัดระดับเสียงที่ชุมชน ระดับเสียงขณะไม่มีการขนถ่าย การตรวจวัดและค่ามาตรฐานระดับเสียงขณะไม่มีการขนถ่าย การคำนวณค่าการขนถ่าย และแบบบันทึกการตรวจวัดเสียงขณะไม่มีการขนถ่าย พ.ศ. 2565

หมายเหตุ : ประกาศคณะกรรมการควบคุมมลพิษฉบับที่ 29 (พ.ศ.2550) เรื่อง ค่าระดับเสียงชุมชน
Remark:

1. ระดับเสียงจากแหล่งกำเนิด มีการตรวจวัด วันที่ 16-17 พฤศจิกายน 2568
2. ระดับเสียงที่ชุมชนและระดับเสียงขณะไม่มีการขนถ่าย (Sample No.2599080-15 วันที่ตรวจวัด 16-17 พฤศจิกายน 2568)
3. ระบุ : ไม่สามารถตรวจวัดระดับเสียงขณะไม่มีการขนถ่ายได้ เนื่องจากระดับเสียงจากแหล่งกำเนิดเกินกว่าระดับเสียงขณะไม่มีการขนถ่าย

The above results are valid only for the analysed/checked sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wibb.

Wilawan Borirak
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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459187-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599078-16
Parameter เลือกลูก
Location ถนนบ้าน หมู่ 2 บ้านพลและบึง จศ 2 (ส.แม่ท่า) (N3) (GPS 47P 0745668, 1429442)
Measurement Date Nov 17 - 18, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120937

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขนถ่าย	ระดับเสียง (dB(A))		เสียงที่ปรากฏ	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
12:20 AM - 12:25 AM	48.2	40.4	-	50.4	37.1	13.3
12:25 AM - 12:30 AM	40.6	40.1	-	34.0	37.0	-3.0
12:30 AM - 12:35 AM	38.6	39.5	-	0/0	37.2	-
12:35 AM - 12:40 AM	41.2	40.6	-	35.3	38.1	-2.8
12:40 AM - 12:45 AM	41.2	42.0	-	0/0	39.2	-
12:45 AM - 12:50 AM	39.7	41.0	-	0/0	39.1	-
12:50 AM - 12:55 AM	41.4	41.0	-	0/0	41.0	-
12:55 AM - 01:00 AM	43.4	42.6	-	38.7	41.1	-2.4
01:00 AM - 01:05 AM	42.3	42.3	-	0/0	41.0	-
01:05 AM - 01:10 AM	44.6	41.5	-	41.4	41.1	2.3
01:10 AM - 01:15 AM	44.3	43.5	-	39.6	41.3	-1.7
01:15 AM - 01:20 AM	44.1	44.8	-	0/0	43.0	-
01:20 AM - 01:25 AM	44.5	44.8	-	0/0	42.0	-
01:25 AM - 01:30 AM	45.7	47.7	-	0/0	43.8	-
01:30 AM - 01:35 AM	47.1	48.5	-	0/0	44.9	-
01:35 AM - 01:40 AM	47.3	46.2	-	0/0	44.9	-
01:40 AM - 01:45 AM	53.4	48.5	-	54.7	44.9	9.8
01:45 AM - 01:50 AM	51.7	48.1	-	52.2	44.2	8.0
01:50 AM - 01:55 AM	51.6	48.2	-	51.9	44.1	7.8
01:55 AM - 02:00 AM	52.7	48.0	-	53.1	43.5	9.7
02:00 AM - 02:05 AM	52.7	49.0	-	53.3	44.8	8.5
02:05 AM - 02:10 AM	52.6	45.4	-	54.7	43.7	11.0
02:10 AM - 02:15 AM	51.6	45.7	-	51.3	43.5	9.8
02:15 AM - 02:20 AM	52.8	45.4	-	54.9	43.8	11.1
02:20 AM - 02:25 AM	48.2	45.1	-	48.3	43.7	4.6
02:25 AM - 02:30 AM	48.4	45.3	-	48.4	41.6	7.7
02:30 AM - 02:35 AM	48.1	44.1	-	48.9	41.3	6.3
02:35 AM - 02:40 AM	46.9	45.4	-	44.6	44.3	0.3
02:40 AM - 02:45 AM	46.9	47.5	-	0/0	44.2	-
02:45 AM - 02:50 AM	46.0	46.7	-	0/0	44.9	-
02:50 AM - 02:55 AM	47.0	47.5	-	53.0	44.5	10.5
02:55 AM - 03:00 AM	51.6	46.5	-	50.1	44.4	6.3
03:00 AM - 03:05 AM	50.1	46.4	-	50.6	45.9	4.6
03:05 AM - 03:10 AM	50.6	45.9	-	51.8	44.5	7.3
03:10 AM - 03:15 AM	50.3	48.0	-	49.4	44.8	4.6
03:15 AM - 03:20 AM	49.5	48.0	-	49.1	42.1	6.3
03:20 AM - 03:25 AM	49.1	44.9	-	50.0	49.1	7.9
03:25 AM - 03:30 AM	50.1	47.7	-	49.4	43.9	5.5
03:30 AM - 03:35 AM	49.0	47.6	-	46.4	43.7	2.7
03:35 AM - 03:40 AM	48.8	46.3	-	47.7	41.2	6.5

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459187-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599078-16
Parameter เลือกลูก
Location ถนนบ้าน หมู่ 2 บ้านพลและบึง จศ 2 (ส.แม่ท่า) (N3) (GPS 47P 0745668, 1429442)
Measurement Date Nov 17 - 18, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120937

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขนถ่าย	ระดับเสียง (dB(A))		เสียงที่ปรากฏ	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	59.0	57.3	54.1	-	45.1	9.0
11:00 AM - 12:00 PM	56.4	58.8	0/0	-	52.5	-
12:00 PM - 01:00 PM	60.8	55.1	59.4	-	51.1	8.3
01:00 PM - 02:00 PM	55.1	53.3	50.4	-	47.1	3.3
02:00 PM - 03:00 PM	53.9	53.3	45.0	-	46.5	-1.5
03:00 PM - 04:00 PM	56.7	55.8	49.4	-	48.3	1.1
04:00 PM - 05:00 PM	57.1	54.8	53.2	-	47.0	6.2
05:00 PM - 06:00 PM	60.0	58.7	54.1	-	47.1	7.0
06:00 PM - 07:00 PM	59.1	57.1	54.8	-	44.9	9.9
07:00 PM - 08:00 PM	55.2	53.2	53.0	-	41.7	11.8
08:00 PM - 09:00 PM	51.7	51.0	43.4	-	43.3	0.1
09:00 PM - 10:00 PM	47.6	47.0	38.7	-	36.6	2.1
10:00 PM - 10:05 PM	42.0	45.0	0/0	-	36.3	-
10:05 PM - 10:10 PM	49.7	46.2	-	50.1	37.1	13.0
10:10 PM - 10:15 PM	40.3	47.2	-	0/0	36.9	-
10:15 PM - 10:20 PM	45.5	55.3	-	0/0	36.9	-
10:20 PM - 10:25 PM	46.7	39.5	-	49.8	36.3	12.5
10:25 PM - 10:30 PM	47.9	38.9	-	50.3	36.5	13.8
10:30 PM - 10:35 PM	54.1	39.9	-	56.9	37.1	19.8
10:35 PM - 10:40 PM	44.6	43.2	-	47.0	36.5	5.5
10:40 PM - 10:45 PM	38.9	46.4	-	0/0	36.9	-
10:45 PM - 10:50 PM	40.7	38.6	-	39.5	35.4	4.1
10:50 PM - 10:55 PM	44.3	38.5	-	46.0	35.9	10.1
10:55 PM - 11:00 PM	46.6	37.9	-	49.0	35.3	13.7
11:00 PM - 11:05 PM	44.2	40.7	-	44.6	35.7	8.9
11:05 PM - 11:10 PM	40.0	37.9	-	39.8	35.3	3.5
11:10 PM - 11:15 PM	39.3	39.9	-	0/0	35.3	-
11:15 PM - 11:20 PM	42.2	39.8	-	42.3	34.9	7.4
11:20 PM - 11:25 PM	39.8	45.7	-	0/0	35.7	-
11:25 PM - 11:30 PM	39.7	45.8	-	0/0	36.0	-
11:30 PM - 11:35 PM	40.8	38.0	-	40.6	35.4	5.2
11:35 PM - 11:40 PM	46.9	44.2	-	46.6	36.0	10.6
11:40 PM - 11:45 PM	44.7	39.2	-	46.3	35.8	10.5
11:45 PM - 11:50 PM	38.7	38.1	-	32.8	35.3	-2.5
11:50 PM - 11:55 PM	44.5	39.1	-	46.0	35.2	9.7
11:55 PM - 12:00 AM	39.4	40.8	-	0/0	36.2	-
12:00 AM - 12:05 AM	38.6	35.9	-	0/0	35.9	-
12:05 AM - 12:10 AM	39.5	48.4	-	0/0	37.6	-
12:10 AM - 12:15 AM	42.5	39.7	-	42.3	37.2	5.1
12:15 AM - 12:20 AM	45.2	38.4	-	47.2	36.1	11.1

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459188-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599078-17
Parameter เสียงตาม
Location ถนนสาย 2 ตำบลหนองบัว จ.ตรัง (2.ก.ม.ท่าเรือ) (N3) (GPS 47P 0745668, 1429442)
Measurement Date Nov 18 - 19, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120937

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงที่ฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	56.3	54.2	52.1	-	47.1	5.0
11:00 AM - 12:00 PM	52.7	51.5	46.5	-	45.7	0.8
12:00 PM - 01:00 PM	55.3	54.9	44.7	-	50.3	-5.5
01:00 PM - 02:00 PM	56.5	54.2	52.6	-	48.6	4.0
02:00 PM - 03:00 PM	55.6	54.4	49.4	-	48.0	1.4
03:00 PM - 04:00 PM	56.7	57.4	0/0	-	48.3	-
04:00 PM - 05:00 PM	59.7	57.0	56.4	-	46.8	9.6
05:00 PM - 06:00 PM	56.7	56.0	48.4	-	45.5	2.9
06:00 PM - 07:00 PM	56.6	55.7	49.3	-	46.0	3.3
07:00 PM - 08:00 PM	54.8	57.4	49.4	-	45.1	4.1
08:00 PM - 09:00 PM	48.6	46.2	44.9	-	39.9	5.0
09:00 PM - 10:00 PM	48.0	45.7	44.1	-	38.9	5.2
10:00 PM - 10:05 PM	45.8	43.2	-	-	40.1	5.2
10:05 PM - 10:10 PM	46.8	43.8	-	-	46.8	6.4
10:10 PM - 10:15 PM	46.7	44.9	-	-	45.0	4.3
10:15 PM - 10:20 PM	45.9	47.7	-	-	0/0	-
10:20 PM - 10:25 PM	45.9	45.4	-	-	46.3	7.3
10:25 PM - 10:30 PM	46.5	41.5	-	-	47.8	8.4
10:30 PM - 10:35 PM	48.6	42.9	-	-	50.2	10.2
10:35 PM - 10:40 PM	45.4	49.5	-	-	0/0	-
10:40 PM - 10:45 PM	43.4	47.7	-	-	0/0	-
10:45 PM - 10:50 PM	44.9	42.0	-	-	44.8	4.6
10:50 PM - 10:55 PM	50.3	41.6	-	-	52.7	12.3
10:55 PM - 11:00 PM	48.8	43.3	-	-	50.4	9.3
11:00 PM - 11:05 PM	44.6	45.2	-	-	0/0	-
11:05 PM - 11:10 PM	43.8	45.3	-	-	0/0	-
11:10 PM - 11:15 PM	44.9	46.4	-	-	0/0	-
11:15 PM - 11:20 PM	48.6	44.4	-	-	49.5	9.0
11:20 PM - 11:25 PM	45.1	46.1	-	-	0/0	-
11:25 PM - 11:30 PM	50.1	41.3	-	-	52.5	12.5
11:30 PM - 11:35 PM	45.6	48.2	-	-	0/0	-
11:35 PM - 11:40 PM	49.2	47.4	-	-	47.5	8.0
11:40 PM - 11:45 PM	43.4	44.0	-	-	0/0	-
11:45 PM - 11:50 PM	48.4	49.7	-	-	50.6	11.4
11:50 PM - 11:55 PM	44.5	41.4	-	-	44.6	5.7
11:55 PM - 12:00 AM	48.7	48.9	-	-	50.7	10.3
12:00 AM - 12:05 AM	45.7	44.9	-	-	41.0	1.6
12:05 AM - 12:10 AM	43.2	49.0	-	-	0/0	-
12:10 AM - 12:15 AM	43.7	47.5	-	-	0/0	-
12:15 AM - 12:20 AM	49.7	40.0	-	-	52.2	14.6

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459188-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599078-17
Parameter เสียงตาม
Location ถนนสาย 2 ตำบลหนองบัว จ.ตรัง (2.ก.ม.ท่าเรือ) (N3) (GPS 47P 0745668, 1429442)
Measurement Date Nov 18 - 19, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120937

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงที่ฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
12:20 AM - 12:25 AM	49.5	41.8	-	-	51.7	37.7
12:25 AM - 12:30 AM	51.8	40.2	-	-	54.5	37.9
12:30 AM - 12:35 AM	44.3	49.5	-	-	0/0	-
12:35 AM - 12:40 AM	45.7	43.5	-	-	44.7	37.3
12:40 AM - 12:45 AM	41.2	44.2	-	-	0/0	-
12:45 AM - 12:50 AM	48.1	44.6	-	-	48.5	37.7
12:50 AM - 12:55 AM	44.1	46.8	-	-	0/0	-
12:55 AM - 01:00 AM	47.6	47.3	-	-	38.8	38.1
01:00 AM - 01:05 AM	43.7	42.6	-	-	40.2	38.0
01:05 AM - 01:10 AM	46.9	48.4	-	-	0/0	-
01:10 AM - 01:15 AM	47.4	52.2	-	-	0/0	-
01:15 AM - 01:20 AM	41.7	52.8	-	-	0/0	-
01:20 AM - 01:25 AM	46.7	48.6	-	-	46.7	42.0
01:25 AM - 01:30 AM	55.9	52.0	-	-	56.0	41.9
01:30 AM - 01:35 AM	54.6	48.7	-	-	56.3	41.0
01:35 AM - 01:40 AM	51.4	50.9	-	-	44.8	40.9
01:40 AM - 01:45 AM	54.2	51.3	-	-	54.1	41.4
01:45 AM - 01:50 AM	50.8	53.9	-	-	0/0	-
01:50 AM - 01:55 AM	52.2	57.6	-	-	0/0	-
01:55 AM - 02:00 AM	48.3	59.0	-	-	0/0	-
02:00 AM - 02:05 AM	55.8	52.3	-	-	56.2	42.2
02:05 AM - 02:10 AM	59.4	52.3	-	-	61.5	41.8
02:10 AM - 02:15 AM	59.4	53.2	-	-	60.3	42.9
02:15 AM - 02:20 AM	54.9	55.4	-	-	0/0	-
02:20 AM - 02:25 AM	53.3	53.1	-	-	42.8	42.1
02:25 AM - 02:30 AM	55.0	46.5	-	-	57.3	41.7
02:30 AM - 02:35 AM	56.9	50.2	-	-	58.9	41.2
02:35 AM - 02:40 AM	53.1	52.3	-	-	48.4	41.3
02:40 AM - 02:45 AM	48.3	50.2	-	-	0/0	-
02:45 AM - 02:50 AM	46.3	42.4	-	-	48.5	41.5
02:50 AM - 02:55 AM	55.1	42.4	-	-	57.9	38.8
02:55 AM - 03:00 AM	51.0	42.3	-	-	53.4	37.9
03:00 AM - 03:05 AM	49.4	47.4	-	-	48.6	41.4
03:05 AM - 03:10 AM	43.8	42.2	-	-	41.7	41.2
03:10 AM - 03:15 AM	43.5	44.3	-	-	33.0	41.6
03:15 AM - 03:20 AM	48.0	41.8	-	-	48.2	42.8
03:20 AM - 03:25 AM	42.9	48.1	-	-	0/0	-
03:25 AM - 03:30 AM	43.6	45.5	-	-	0/0	-
03:30 AM - 03:35 AM	47.7	46.6	-	-	44.2	42.8
03:35 AM - 03:40 AM	45.4	46.7	-	-	0/0	-

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459188-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample No. 2599078-17
Parameter เสียงตาม
Location ถนนสาย 2 ตำบลหนองบัว จ.ตรัง (2.ก.ม.ท่าเรือ) (N3) (GPS 47P 0745668, 1429442)
Measurement Date Nov 18 - 19, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120937

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงที่ฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	46.0	44.5	-	-	43.7	0.9
03:45 AM - 03:50 AM	50.1	48.9	-	-	46.9	6.0
03:50 AM - 03:55 AM	48.1	43.9	-	-	49.0	7.8
03:55 AM - 04:00 AM	45.2	57.2	-	-	41.6	-
04:00 AM - 04:05 AM	48.1	55.0	-	-	0/0	-
04:05 AM - 04:10 AM	45.7	62.9	-	-	0/0	-
04:10 AM - 04:15 AM	54.6	59.2	-	-	45.8	14.5
04:15 AM - 04:20 AM	56.1	49.1	-	-	58.1	16.7
04:20 AM - 04:25 AM	58.7	43.6	-	-	61.6	20.8
04:25 AM - 04:30 AM	51.8	45.4	-	-	40.4	13.3
04:30 AM - 04:35 AM	50.8	49.9	-	-	46.5	6.2
04:35 AM - 04:40 AM	45.6	45.7	-	-	0/0	-
04:40 AM - 04:45 AM	48.4	52.9	-	-	0/0	-
04:45 AM - 04:50 AM	48.7	50.5	-	-	42.3	-
04:50 AM - 04:55 AM	47.2	53.9	-	-	0/0	-
04:55 AM - 05:00 AM	54.1	53.7	-	-	46.5	5.4
05:00 AM - 05:05 AM	50.2	48.8	-	-	47.6	7.9
05:05 AM - 05:10 AM	53.9	51.2	-	-	53.6	13.4
05:10 AM - 05:15 AM	53.4	49.1	-	-	54.4	11.7
05:15 AM - 05:20 AM	50.9	54.2	-	-	0/0	-
05:20 AM - 05:25 AM	50.5	56.9	-	-	0/0	-
05:25 AM - 05:30 AM	50.1	52.4	-	-	0/0	-
05:30 AM - 05:35 AM	54.2	52.9	-	-	51.3	6.4
05:35 AM - 05:40 AM	53.7	57.2	-	-	0/0	-
05:40 AM - 05:45 AM	51.4	55.8	-	-	44.9	-
05:45 AM - 05:50 AM	53.1	56.7	-	-	0/0	-
05:50 AM - 05:55 AM	53.8	57.2	-	-	46.7	-
05:55 AM - 06:00 AM	56.3	56.4	-	-	0/0	-
06:00 AM - 07:00 AM	55.3	54.0	49.4	-	47.4	2.0
07:00 AM - 08:00 AM	55.2	54.5	46.9	-	48.4	-1.5
08:00 AM - 09:00 AM	56.3	54.4	51.8	-	47.4	4.4
09:00 AM - 10:00 AM	57.5	56.1	51.9	-	47.5	4.4

Reference Method :

1. ISO 1996-1
2. ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดเสียงสิ่งแวดล้อมขณะไม่มีการรบกวน การตรวจวัดค่ามาตรฐานเสียงสิ่งแวดล้อมขณะมีการรบกวน และการบันทึกข้อมูลการตรวจวัดเสียงตาม พ.ศ. 2565
- หมายเหตุ : การตรวจวัดเสียงสิ่งแวดล้อมขณะมีเสียงดัง 20 (ด.บ.2550) (เสียง การรบกวนเสียงตาม)
- Remark :
1. ผลเสียงจากแหล่งกำเนิด การตรวจวัด วันที่ 18-19 พฤศจิกายน 2568
2. ผลเสียงที่ฐานและเสียงขณะไม่มีการรบกวน (Sample No. 2599080-17) ตรวจวัด วันที่ 18-19 พฤศจิกายน 2568
3. ก/ค : ใบรายงานผลการประเมินเสียงจากการรบกวน (ได้) เนื่องจากผลเสียงจากแหล่งกำเนิดและการรบกวนเสียงขณะไม่มีการรบกวน

The above results are valid only for the analyzed sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wibb.
Wilawan Borik
Manager

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459188-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599078-18
Parameter เสียงตาม
Location ถนนสาย 2 ตำบลหนองบัว จ.ตรัง (2.ก.ม.ท่าเรือ) (N3) (GPS 47P 0745668, 1429442)
Measurement Date Nov 19 - 20, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120937

ชุมชนเมือง (DB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงที่ฐาน	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	55.2	53.7	49.9	-	43.8	6.1
11:00 AM - 12:00 PM	55.9	54.1	51.2	-	43.7	7.5
12:00 PM - 01:00 PM	56.9	56.4	47.3	-	48.6	-1.3
01:00 PM - 02:00 PM	60.1	59.0	53.6	-	48.9	4.7
02:00 PM - 03:00 PM	57.8	55.6	53.8	-	49.3	4.5
03:00 PM - 04:00 PM	59.9	63.1	n/a	-	50.4	5.0
04:00 PM - 05:00 PM	59.0	57.4	53.9	-	48.7	5.9
05:00 PM - 06:00 PM	58.7	57.1	53.6	-	48.2	5.4
06:00 PM - 07:00 PM	55.0	54.5	45.4	-	47.3	-1.9
07:00 PM - 08:00 PM	56.4	53.0	53.7	-	45.4	6.3
08:00 PM - 09:00 PM	52.6	53.0	n/a	-	44.2	-
09:00 PM - 10:00 PM	45.9	52.8	50.7	-	44.5	6.2
10:00 PM - 10:05 PM	49.0	46.8	-	48.0	44.6	3.4
10:05 PM - 10:10 PM	51.5	48.9	-	51.0	45.1	5.9
10:10 PM - 10:15 PM	49.1	46.5	-	48.6	44.8	3.8
10:15 PM - 10:20 PM	46.7	47.5	-	n/a	44.2	-
10:20 PM - 10:25 PM	49.4	51.4	-	n/a	45.1	-
10:25 PM - 10:30 PM	47.3	50.8	-	n/a	44.2	-
10:30 PM - 10:35 PM	49.9	50.4	-	n/a	44.5	-
10:35 PM - 10:40 PM	53.4	50.9	-	52.8	44.2	8.6
10:40 PM - 10:45 PM	46.8	46.8	-	50.0	44.7	10.9
10:45 PM - 10:50 PM	52.6	51.5	-	49.1	44.1	5.0
10:50 PM - 10:55 PM	55.3	47.1	-	57.6	43.3	14.3
10:55 PM - 11:00 PM	51.6	46.2	-	53.1	42.9	10.2
11:00 PM - 11:05 PM	53.8	49.3	-	54.9	43.8	13.8
11:05 PM - 11:10 PM	51.9	52.1	-	n/a	43.6	-
11:10 PM - 11:15 PM	47.7	44.5	-	47.9	42.0	5.9
11:15 PM - 11:20 PM	51.1	50.7	-	43.5	42.3	1.2
11:20 PM - 11:25 PM	53.2	52.3	-	48.9	43.1	5.8
11:25 PM - 11:30 PM	49.3	49.3	-	n/a	44.3	-
11:30 PM - 11:35 PM	47.5	47.4	-	34.1	43.5	-9.4
11:35 PM - 11:40 PM	56.8	45.8	-	39.2	43.9	16.3
11:40 PM - 11:45 PM	52.0	45.7	-	53.8	42.4	11.4
11:45 PM - 11:50 PM	50.1	47.9	-	49.1	42.3	6.8
11:50 PM - 11:55 PM	48.0	49.8	-	n/a	42.4	-
11:55 PM - 12:00 AM	46.9	49.1	-	n/a	42.8	-
12:00 AM - 12:05 AM	51.5	44.8	-	53.5	42.7	10.8
12:05 AM - 12:10 AM	52.3	46.3	-	54.0	42.7	11.3
12:10 AM - 12:15 AM	52.8	51.1	-	50.9	42.7	8.2
12:15 AM - 12:20 AM	46.2	48.8	-	n/a	42.5	-



Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459189-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-18
Parameter : เสียงรบกวน
Location : กลางบ้าน หมู่ 2 บ้านตลาดมะขาม จ.ฉะ (ส.แม่ท่าเรือ) (N3) (GPS 47P 0745668, 1429442)
Measurement Date : Nov 19 - 20, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 1120937

Page 2 of 3

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
12:20 AM - 12:25 AM	46.2	53.8	-	n/a	42.6	-
12:25 AM - 12:30 AM	48.0	49.8	-	n/a	42.8	-
12:30 AM - 12:35 AM	50.0	55.5	-	n/a	42.9	-
12:35 AM - 12:40 AM	51.3	45.6	-	52.9	43.1	9.8
12:40 AM - 12:45 AM	52.1	50.2	-	50.6	43.5	7.1
12:45 AM - 12:50 AM	53.7	52.1	-	51.6	44.7	6.9
12:50 AM - 12:55 AM	46.9	51.7	-	49.5	43.5	-
12:55 AM - 01:00 AM	51.1	49.5	-	49.0	43.3	5.7
01:00 AM - 01:05 AM	53.0	47.7	-	54.5	43.3	11.2
01:05 AM - 01:10 AM	52.2	47.2	-	51.5	42.9	10.6
01:10 AM - 01:15 AM	50.8	50.7	-	37.4	43.6	-6.2
01:15 AM - 01:20 AM	49.5	52.9	-	n/a	44.9	-
01:20 AM - 01:25 AM	48.7	58.0	-	n/a	44.6	-
01:25 AM - 01:30 AM	52.3	53.7	-	n/a	48.1	-
01:30 AM - 01:35 AM	53.7	50.0	-	54.3	43.3	11.0
01:35 AM - 01:40 AM	53.8	53.3	-	47.2	43.2	4.0
01:40 AM - 01:45 AM	58.6	56.9	-	56.7	43.1	13.6
01:45 AM - 01:50 AM	50.9	52.6	-	n/a	42.9	-
01:50 AM - 01:55 AM	53.6	52.5	-	50.1	43.0	7.1
01:55 AM - 02:00 AM	57.5	53.1	-	58.5	43.0	15.5
02:00 AM - 02:05 AM	53.3	48.7	-	54.5	42.9	11.6
02:05 AM - 02:10 AM	52.8	43.5	-	55.3	42.8	12.5
02:10 AM - 02:15 AM	52.8	47.1	-	54.4	42.7	11.7
02:15 AM - 02:20 AM	49.9	49.8	-	36.5	42.9	-6.4
02:20 AM - 02:25 AM	44.0	49.1	-	n/a	42.7	-
02:25 AM - 02:30 AM	47.3	60.4	-	n/a	43.2	-
02:30 AM - 02:35 AM	49.0	49.1	-	n/a	43.1	-
02:35 AM - 02:40 AM	50.1	45.0	-	51.5	43.1	8.4
02:40 AM - 02:45 AM	59.3	50.7	-	61.7	43.9	17.8
02:45 AM - 02:50 AM	50.4	50.4	-	n/a	43.0	-
02:50 AM - 02:55 AM	44.8	48.2	-	n/a	42.2	-
02:55 AM - 03:00 AM	51.7	52.5	-	n/a	42.9	-
03:00 AM - 03:05 AM	59.7	47.7	-	62.4	42.7	18.2
03:05 AM - 03:10 AM	48.0	52.7	-	n/a	43.4	-
03:10 AM - 03:15 AM	52.4	45.4	-	54.4	42.9	11.5
03:15 AM - 03:20 AM	49.6	47.2	-	48.9	43.0	5.9
03:20 AM - 03:25 AM	53.6	49.5	-	53.9	43.2	12.7
03:25 AM - 03:30 AM	45.4	44.1	-	42.5	43.2	-0.7
03:30 AM - 03:35 AM	46.7	45.7	-	42.8	43.1	-0.3
03:35 AM - 03:40 AM	46.5	48.8	-	n/a	43.4	-

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459189-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-18
Parameter : เสียงรบกวน
Location : กลางบ้าน หมู่ 2 บ้านตลาดมะขาม จ.ฉะ (ส.แม่ท่าเรือ) (N3) (GPS 47P 0745668, 1429442)
Measurement Date : Nov 19 - 20, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 1120937

Page 3 of 3

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	44.8	44.6	-	34.3	43.2	-8.9
03:45 AM - 03:50 AM	45.3	44.8	-	38.7	43.3	-4.6
03:50 AM - 03:55 AM	50.4	46.0	-	51.4	43.8	7.6
03:55 AM - 04:00 AM	47.3	58.0	-	n/a	44.7	-
04:00 AM - 04:05 AM	45.0	46.2	-	n/a	44.2	-
04:05 AM - 04:10 AM	46.7	48.2	-	n/a	40.9	-
04:10 AM - 04:15 AM	59.0	47.6	-	61.7	41.4	20.3
04:15 AM - 04:20 AM	46.7	50.5	-	n/a	41.7	-
04:20 AM - 04:25 AM	51.6	52.6	-	n/a	40.5	-
04:25 AM - 04:30 AM	58.9	43.0	-	n/a	37.7	12.8
04:30 AM - 04:35 AM	50.7	48.0	-	58.4	37.9	12.5
04:35 AM - 04:40 AM	53.6	45.2	-	55.9	38.6	15.1
04:40 AM - 04:45 AM	46.5	45.0	-	43.0	36.1	6.9
04:45 AM - 04:50 AM	49.5	51.0	-	n/a	38.2	-
04:50 AM - 04:55 AM	45.3	47.8	-	n/a	35.6	-
04:55 AM - 05:00 AM	48.3	60.2	-	n/a	35.5	-
05:00 AM - 05:05 AM	52.3	39.0	-	55.1	35.3	19.8
05:05 AM - 05:10 AM	49.3	48.1	-	46.1	36.5	9.6
05:10 AM - 05:15 AM	58.2	47.5	-	60.8	35.0	25.8
05:15 AM - 05:20 AM	40.6	58.8	-	n/a	35.7	-
05:20 AM - 05:25 AM	49.2	44.9	-	50.2	34.4	15.8
05:25 AM - 05:30 AM	47.7	46.6	-	44.2	35.3	8.9
05:30 AM - 05:35 AM	60.8	45.1	-	63.7	35.1	28.6
05:35 AM - 05:40 AM	46.5	57.8	-	n/a	36.8	-
05:40 AM - 05:45 AM	49.0	50.5	-	n/a	36.7	-
05:45 AM - 05:50 AM	48.2	52.4	-	n/a	35.9	-
05:50 AM - 05:55 AM	59.0	49.0	-	61.5	36.6	26.0
05:55 AM - 06:00 AM	49.6	49.4	-	39.1	43.0	-3.9
06:00 AM - 07:00 AM	51.4	50.1	45.5	-	43.9	1.6
07:00 AM - 08:00 AM	52.6	51.1	47.3	-	44.8	2.5
08:00 AM - 09:00 AM	52.4	52.4	n/a	-	46.6	-
09:00 AM - 10:00 AM	55.5	54.2	49.6	-	45.6	4.0

ค่าเฉลี่ยการรบกวน

Reference Method :

- ISO 1996-1
- ประเทศไทยใช้มาตรฐานเสียงรบกวนแบบเสียงต่อเนื่อง (Continuous Noise) สำหรับเสียงรบกวนจากการจราจรและสถานประกอบการ การตรวจวัดค่าเสียงรบกวนเสียงรบกวนจากการจราจรและสถานประกอบการ และแบบบันทึกการตรวจวัดเสียงรบกวน ม.ท. 2565

หมายเหตุ :

- ระดับเสียงจากแหล่งกำเนิด มีการตรวจวัด ณ วันที่ 19-20 พฤศจิกายน 2568
- ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No. 2599080-18) มีการตรวจวัด ณ วันที่ 19-20 พฤศจิกายน 2568
- ค่าเฉลี่ยการรบกวนระดับเสียงขณะมีการรบกวนได้ เนื่องจากค่าเฉลี่ยการรบกวนระดับเสียงขณะมีการรบกวน

หมายเหตุ :

ระดับเสียงจากการรบกวนเสียงรบกวนแบบเสียงต่อเนื่อง (Continuous Noise) ใช้สำหรับเสียงรบกวนจากการจราจรและสถานประกอบการ

The above results are valid only for the analysed sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459190-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-19
Parameter : เสียงรบกวน
Location : กลางบ้าน หมู่ 2 บ้านตลาดมะขาม จ.ฉะ (ส.แม่ท่าเรือ) (N3) (GPS 47P 0745668, 1429442)
Measurement Date : Nov 20 - 21, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 1120937

Page 1 of 3

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	53.5	49.9	51.0	-	47.3	3.7
11:00 AM - 12:00 PM	48.5	48.0	38.9	-	43.5	-4.6
12:00 PM - 01:00 PM	53.2	50.2	50.2	-	48.3	1.8
01:00 PM - 02:00 PM	52.5	50.9	47.4	-	48.9	-1.5
02:00 PM - 03:00 PM	51.8	51.7	35.4	-	47.1	-11.7
03:00 PM - 04:00 PM	56.8	46.7	40.8	-	46.1	-5.7
04:00 PM - 05:00 PM	56.0	55.4	47.1	-	38.7	8.4
05:00 PM - 06:00 PM	51.1	50.8	39.3	-	45.3	-6.0
06:00 PM - 07:00 PM	51.7	51.5	38.2	-	43.5	-5.3
07:00 PM - 08:00 PM	53.0	52.8	39.5	-	45.9	-6.4
08:00 PM - 09:00 PM	44.8	44.3	35.2	-	41.4	-6.2
09:00 PM - 10:00 PM	44.3	44.0	32.5	-	38.7	-6.2
10:00 PM - 10:05 PM	39.3	39.2	35.9	-	36.9	-11.0
10:05 PM - 10:10 PM	39.8	39.5	31.0	-	38.3	-7.3
10:10 PM - 10:15 PM	44.6	44.3	35.8	-	38.3	-2.5
10:15 PM - 10:20 PM	39.7	39.4	30.9	-	37.9	-7.0
10:20 PM - 10:25 PM	39.5	39.2	30.7	-	37.4	-6.7
10:25 PM - 10:30 PM	44.2	43.9	35.4	-	37.0	-1.6
10:30 PM - 10:35 PM	54.6	54.3	38.2	-	38.2	7.6
10:35 PM - 10:40 PM	42.2	41.9	31.4	-	39.4	-6.9
10:40 PM - 10:45 PM	45.0	44.7	36.2	-	40.9	-4.7
10:45 PM - 10:50 PM	49.0	48.7	40.2	-	42.4	-2.2
10:50 PM - 10:55 PM	50.3	50.0	41.5	-	43.1	-1.6
10:55 PM - 11:00 PM	46.4	46.1	37.6	-	41.4	-3.8
11:00 PM - 11:05 PM	45.1	44.8	36.3	-	40.3	-4.0
11:05 PM - 11:10 PM	42.3	41.9	31.4	-	39.4	-6.5
11:10 PM - 11:15 PM	48.2	48.2	n/a	-	39.8	-
11:15 PM - 11:20 PM	41.6	41.6	n/a	-	39.6	-
11:20 PM - 11:25 PM	41.5	41.5	n/a	-	39.4	-
11:25 PM - 11:30 PM	42.5	42.5	n/a	-	40.9	-
11:30 PM - 11:35 PM	41.9	41.9	n/a	-	40.5	-
11:35 PM - 11:40 PM	42.0	42.0	n/a	-	40.0	-
11:40 PM - 11:45 PM	42.5	42.5	n/a	-	40.9	-
11:45 PM - 11:50 PM	42.0	42.0	n/a	-	40.3	-
11:50 PM - 11:55 PM	42.0	42.0	n/a	-	40.6	-
11:55 PM - 12:00 AM	43.4	43.4	n/a	-	41.3	-
12:00 AM - 12:05 AM	40.8	40.8	n/a	-	39.1	-
12:05 AM - 12:10 AM	46.0	46.0	n/a	-	38.9	-
12:10 AM - 12:15 AM	41.3	41.3	n/a	-	39.6	-
12:15 AM - 12:20 AM	40.8	40.8	n/a	-	39.2	-

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459190-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-1



Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phakdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459191-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-19
Parameter : เสียงรบกวน
Location : ถนนหน้า หมู่ 2 บ้านหนองมะปราง จศที่ 2 (ส.แม่ท่าช้าง) (N3) (GPS 47P 0745668, 1429442)
Measurement Date : Nov 20 - 21, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 1120937

เวลา	เสียงจากแหล่งกำเนิด	เสียงจาก: ไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงพื้นฐาน	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	48.5	48.6	-	0/0	39.4	-
03:45 AM - 03:50 AM	52.6	52.7	-	0/0	39.2	-
03:50 AM - 03:55 AM	57.9	58.0	-	0/0	40.3	-
03:55 AM - 04:00 AM	58.2	58.3	-	0/0	40.5	-
04:00 AM - 04:05 AM	61.0	61.1	-	0/0	40.0	-
04:05 AM - 04:10 AM	49.2	49.3	-	0/0	39.1	-
04:10 AM - 04:15 AM	53.5	53.6	-	0/0	40.2	-
04:15 AM - 04:20 AM	52.9	53.0	-	0/0	40.0	-
04:20 AM - 04:25 AM	50.6	50.7	-	0/0	41.9	-
04:25 AM - 04:30 AM	50.8	50.9	-	43.2	45.9	-2.7
04:30 AM - 04:35 AM	50.9	50.9	-	43.3	48.0	-4.7
04:35 AM - 04:40 AM	51.2	50.8	-	43.6	48.7	-5.1
04:40 AM - 04:45 AM	50.4	50.0	-	42.8	44.2	-1.4
04:45 AM - 04:50 AM	48.3	47.9	-	40.7	40.0	0.7
04:50 AM - 04:55 AM	47.6	47.2	-	40.0	39.4	0.6
04:55 AM - 05:00 AM	52.5	52.1	-	44.9	40.2	4.7
05:00 AM - 05:05 AM	49.8	49.4	-	42.2	39.0	3.2
05:05 AM - 05:10 AM	48.8	48.4	-	41.2	39.1	2.1
05:10 AM - 05:15 AM	50.2	49.8	-	42.6	39.5	3.1
05:15 AM - 05:20 AM	59.2	58.8	-	51.6	40.0	11.8
05:20 AM - 05:25 AM	55.9	55.5	-	48.3	40.2	8.1
05:25 AM - 05:30 AM	54.2	53.8	-	46.6	40.0	6.6
05:30 AM - 05:35 AM	57.3	57.0	-	48.5	41.0	7.3
05:35 AM - 05:40 AM	60.9	60.6	-	52.1	41.4	10.7
05:40 AM - 05:45 AM	54.8	54.5	-	46.0	39.3	6.7
05:45 AM - 05:50 AM	54.9	54.6	-	46.1	45.7	0.4
05:50 AM - 05:55 AM	56.1	55.8	-	47.3	45.5	1.8
05:55 AM - 06:00 AM	57.1	56.8	-	48.3	47.0	1.3
06:00 AM - 07:00 AM	57.5	57.3	44.0	-	47.8	-3.8
07:00 AM - 08:00 AM	59.5	54.1	58.0	-	49.3	8.7
08:00 AM - 09:00 AM	58.6	50.8	57.8	-	58.6	8.5
09:00 AM - 10:00 AM	54.2	54.1	37.8	-	49.6	-11.8
ค่าเฉลี่ยรวม						≤ 10

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ (ฉบับแก้ไข) เรื่อง วิธีการตรวจวัดระดับเสียงพื้นฐาน ระดับเสียงขณะไม่มีการรบกวน การตรวจวัดค่าระดับเสียงขณะไม่มีการรบกวน การคำนวณค่าระดับเสียง และแบบฉบับวิธีการตรวจวัดเสียงรบกวน พ.ศ. 2565

หมายเหตุ : ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 29 (พ.ศ.2550) เรื่อง ค่าระดับเสียงรบกวน

- Remark:
- ระดับเสียงจากแหล่งกำเนิด มีการตรวจวัด วันที่ 20-21 พฤศจิกายน 2568
 - ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2599080-19) ตรวจวัดวันที่ 20-21 พฤศจิกายน 2568
 - ทุกค่าที่ได้มาจากการคำนวณระดับเสียงขณะไม่มีการรบกวนได้ เนื่องจากค่าระดับเสียงจากแหล่งกำเนิดและการคำนวณระดับเสียงขณะไม่มีการรบกวน

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Wilwan Borik

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phakdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459191-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-20
Parameter : เสียงรบกวน
Location : ถนนหน้า หมู่ 2 บ้านหนองมะปราง จศที่ 2 (ส.แม่ท่าช้าง) (N3) (GPS 47P 0745668, 1429442)
Measurement Date : Nov 21 - 22, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 1120937

เวลา	เสียงจากแหล่งกำเนิด	เสียงจาก: ไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงพื้นฐาน	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
12:20 AM - 12:25 AM	56.8	56.5	-	48.0	52.7	-4.7
12:25 AM - 12:30 AM	58.1	57.8	-	49.3	54.6	-5.3
12:30 AM - 12:35 AM	58.4	58.1	-	49.6	55.1	-5.5
12:35 AM - 12:40 AM	58.7	58.4	-	49.9	55.0	-5.1
12:40 AM - 12:45 AM	59.7	59.4	-	50.9	51.7	-0.8
12:45 AM - 12:50 AM	60.8	60.5	-	52.0	52.6	-0.6
12:50 AM - 12:55 AM	60.8	60.5	-	54.0	54.5	-0.4
12:55 AM - 01:00 AM	61.2	60.9	-	52.4	53.9	-1.5
01:00 AM - 01:05 AM	60.6	60.3	-	51.8	53.4	-1.6
01:05 AM - 01:10 AM	58.9	58.6	-	50.1	50.8	-0.7
01:10 AM - 01:15 AM	59.6	59.3	-	50.8	52.8	-2.0
01:15 AM - 01:20 AM	62.0	61.9	-	48.6	51.4	-2.8
01:20 AM - 01:25 AM	57.2	57.1	-	43.8	51.4	-7.6
01:25 AM - 01:30 AM	64.2	64.1	-	50.8	52.0	-1.2
01:30 AM - 01:35 AM	61.8	61.7	-	48.4	51.8	-3.4
01:35 AM - 01:40 AM	65.6	65.5	-	52.2	49.7	2.5
01:40 AM - 01:45 AM	59.2	59.1	-	45.8	50.5	-4.7
01:45 AM - 01:50 AM	61.9	61.8	-	48.5	51.4	-2.9
01:50 AM - 01:55 AM	55.3	55.2	-	41.9	51.9	-10.0
01:55 AM - 02:00 AM	61.6	61.5	-	48.2	52.6	-4.4
02:00 AM - 02:05 AM	62.4	62.3	-	49.0	52.5	-3.5
02:05 AM - 02:10 AM	62.6	62.5	-	49.2	52.8	-3.6
02:10 AM - 02:15 AM	54.4	54.3	-	41.0	51.9	-10.9
02:15 AM - 02:20 AM	54.2	54.1	-	40.8	51.7	-10.9
02:20 AM - 02:25 AM	59.2	59.1	-	45.8	50.4	-4.6
02:25 AM - 02:30 AM	60.9	60.8	-	47.5	51.2	-3.8
02:30 AM - 02:35 AM	62.5	62.4	-	49.1	51.8	-2.3
02:35 AM - 02:40 AM	60.9	60.8	-	46.4	52.3	-4.1
02:40 AM - 02:45 AM	55.0	54.5	-	38.4	51.8	-6.6
02:45 AM - 02:50 AM	56.1	55.6	-	39.1	52.7	-6.8
02:50 AM - 02:55 AM	64.9	64.8	-	58.3	51.6	6.7
02:55 AM - 03:00 AM	65.8	65.3	-	59.2	52.0	7.2
03:00 AM - 03:05 AM	65.1	64.6	-	58.5	51.2	7.3
03:05 AM - 03:10 AM	62.0	61.5	-	55.4	48.4	7.0
03:10 AM - 03:15 AM	66.4	65.9	-	59.8	50.0	9.8
03:15 AM - 03:20 AM	66.0	65.5	-	59.4	50.5	10.0
03:20 AM - 03:25 AM	63.2	62.7	-	56.6	49.7	8.7
03:25 AM - 03:30 AM	64.9	63.5	-	57.4	50.1	7.3
03:30 AM - 03:35 AM	65.6	65.1	-	59.0	51.3	7.7
03:35 AM - 03:40 AM	62.3	61.8	-	55.7	49.6	6.1

The above results are valid only for the analysed/checked sample(s) as indicated in the report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phakdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459191-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-20
Parameter : เสียงรบกวน
Location : ถนนหน้า หมู่ 2 บ้านหนองมะปราง จศที่ 2 (ส.แม่ท่าช้าง) (N3) (GPS 47P 0745668, 1429442)
Measurement Date : Nov 21 - 22, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 1120937

เวลา	เสียงจากแหล่งกำเนิด	เสียงจาก: ไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงพื้นฐาน	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	62.7	62.3	52.1	-	54.4	-2.3
11:00 AM - 12:00 PM	60.0	59.8	46.5	-	53.2	-6.7
12:00 PM - 01:00 PM	54.0	53.7	42.2	-	54.0	-6.5
01:00 PM - 02:00 PM	54.1	53.8	42.3	-	48.5	-6.2
02:00 PM - 03:00 PM	54.4	54.2	40.9	-	47.8	-6.9
03:00 PM - 04:00 PM	55.5	55.5	0/0	-	46.7	-
04:00 PM - 05:00 PM	59.8	59.5	48.0	-	47.6	0.4
05:00 PM - 06:00 PM	57.0	56.5	47.4	-	49.0	-1.6
06:00 PM - 07:00 PM	59.1	59.0	42.7	-	50.0	-7.3
07:00 PM - 08:00 PM	57.6	57.3	45.8	-	51.7	-5.4
08:00 PM - 09:00 PM	56.7	56.5	43.2	-	51.4	-8.2
09:00 PM - 10:00 PM	57.5	57.4	41.1	-	53.0	-11.9
10:00 PM - 10:05 PM	56.5	56.3	-	46.0	53.2	-7.2
10:05 PM - 10:10 PM	59.9	59.7	-	49.4	52.3	-2.9
10:10 PM - 10:15 PM	60.7	60.5	-	50.2	53.4	-3.2
10:15 PM - 10:20 PM	59.4	59.2	-	48.9	52.2	-3.3
10:20 PM - 10:25 PM	55.9	55.7	-	45.4	52.0	-6.6
10:25 PM - 10:30 PM	56.0	55.8	-	45.5	53.6	-8.1
10:30 PM - 10:35 PM	57.3	57.1	-	46.8	54.9	-8.1
10:35 PM - 10:40 PM	56.5	56.3	-	46.0	54.9	-8.9
10:40 PM - 10:45 PM	57.0	56.8	-	46.5	55.0	-8.5
10:45 PM - 10:50 PM	55.2	55.0	-	44.7	52.6	-7.9
10:50 PM - 10:55 PM	55.4	55.2	-	44.9	52.7	-7.8
10:55 PM - 11:00 PM	55.0	54.8	-	44.5	52.4	-7.9
11:00 PM - 11:05 PM	56.0	55.8	-	45.5	52.7	-7.2
11:05 PM - 11:10 PM	55.9	55.7	-	45.4	53.2	-7.8
11:10 PM - 11:15 PM	57.0	56.8	-	46.5	53.5	-7.0
11:15 PM - 11:20 PM	57.1	56.9	-	46.6	56.0	-2.4
11:20 PM - 11:25 PM	56.9	56.7	-	46.4	55.8	-8.4
11:25 PM - 11:30 PM	56.9	56.7	-	46.4	55.8	-8.0
11:30 PM - 11:35 PM	56.5	56.3	-	46.0	54.1	-8.1
11:35 PM - 11:40 PM	55.6	55.3	-	46.8	52.7	-5.9
11:40 PM - 11:45 PM	56.3	56.0	-	47.5	54.5	-7.0
11:45 PM - 11:50 PM	56.3	56.0	-	47.5	54.5	-7.0
11:50 PM - 11:55 PM	56.3	56.0	-	47.5	54.8	-7.3
11:55 PM - 12:00 AM	57.3	57.0	-	48.5	55.2	-8.5
12:00 AM - 12:05 AM	57.6	57.3	-	49.8	55.5	-6.7
12:05 AM - 12:10 AM	56.5	56.2	-	47.7	54.5	-6.8
12:10 AM - 12:15 AM	56.3	56.0	-	47.5	54.3	-6.8
12:15 AM - 12:20 AM	57.3	57.0	-	48.5	54.6	-6.1

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. 2599078-21
Parameter เสียงรบกวน
Location ถนนหน้าหมู่ 5 บ้านหนองปลาไหล (ส.แม่ท่าช้าง) (N3) (GPS 47P 0745668, 1429442)
Measurement Date Nov 22 - 23, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120937

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	55.7	55.5	42.2	-	48.4	-6.2
11:00 AM - 12:00 PM	57.2	56.1	50.7	-	49.2	1.5
12:00 PM - 01:00 PM	55.4	54.1	49.5	-	49.9	-0.6
01:00 PM - 02:00 PM	56.4	51.2	54.8	-	50.0	4.8
02:00 PM - 03:00 PM	60.5	60.1	49.9	-	54.9	-5.0
03:00 PM - 04:00 PM	62.9	62.8	46.5	-	57.1	-10.6
04:00 PM - 05:00 PM	57.4	57.1	45.6	-	49.6	-4.0
05:00 PM - 06:00 PM	54.1	53.7	43.5	-	47.6	-4.1
06:00 PM - 07:00 PM	54.9	54.7	41.4	-	49.4	-8.0
07:00 PM - 08:00 PM	54.2	53.8	43.8	-	51.0	-7.6
08:00 PM - 09:00 PM	53.2	53.0	39.7	-	50.3	-10.6
09:00 PM - 10:00 PM	55.0	55.0	n/a	-	49.8	-
10:00 PM - 10:05 PM	50.9	50.9	-	n/a	49.7	-
10:05 PM - 10:10 PM	51.5	51.5	-	n/a	48.6	-
10:10 PM - 10:15 PM	52.1	51.8	-	43.3	48.5	-5.2
10:15 PM - 10:20 PM	51.8	51.5	-	43.0	48.1	-5.1
10:20 PM - 10:25 PM	51.3	51.0	-	42.5	49.0	-6.5
10:25 PM - 10:30 PM	53.8	53.5	-	45.0	47.7	-2.7
10:30 PM - 10:35 PM	49.9	49.6	-	41.1	47.6	-6.5
10:35 PM - 10:40 PM	50.7	50.4	-	41.9	47.2	-5.1
10:40 PM - 10:45 PM	48.2	47.9	-	39.4	46.4	-7.0
10:45 PM - 10:50 PM	47.1	46.8	-	38.3	45.2	-6.9
10:50 PM - 10:55 PM	50.9	50.6	-	42.1	48.6	-6.3
10:55 PM - 11:00 PM	53.8	53.5	-	45.0	48.4	-3.4
11:00 PM - 11:05 PM	52.1	51.8	-	43.3	47.4	-4.1
11:05 PM - 11:10 PM	50.3	50.0	-	41.5	47.5	-6.4
11:10 PM - 11:15 PM	46.7	46.4	-	37.9	44.9	-7.0
11:15 PM - 11:20 PM	49.0	48.9	-	35.6	45.5	-9.9
11:20 PM - 11:25 PM	47.8	47.7	-	34.4	45.9	-11.5
11:25 PM - 11:30 PM	50.4	50.2	-	37.0	47.7	-10.7
11:30 PM - 11:35 PM	50.5	50.4	-	37.1	47.6	-10.5
11:35 PM - 11:40 PM	50.1	50.0	-	36.7	47.5	-10.8
11:40 PM - 11:45 PM	49.0	48.9	-	35.0	46.8	-11.2
11:45 PM - 11:50 PM	50.8	50.7	-	37.4	46.8	-9.4
11:50 PM - 11:55 PM	48.1	48.0	-	34.7	45.7	-11.0
11:55 PM - 12:00 AM	48.9	48.8	-	35.5	46.8	-9.3
12:00 AM - 12:05 AM	53.8	53.7	-	40.4	47.6	-7.2
12:05 AM - 12:10 AM	50.8	50.7	-	37.4	49.0	-11.6
12:10 AM - 12:15 AM	51.8	51.4	-	44.2	48.5	-4.3
12:15 AM - 12:20 AM	50.9	50.5	-	41.3	48.7	-5.4

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TESTING

No.0042

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459192-1

Page 1 of 3



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. 2599078-21
Parameter เสียงรบกวน
Location ถนนหน้าหมู่ 5 บ้านหนองปลาไหล (ส.แม่ท่าช้าง) (N3) (GPS 47P 0745668, 1429442)
Measurement Date Nov 22 - 23, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120937

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
12:20 AM - 12:25 AM	51.8	51.4	-	44.2	48.8	-4.6
12:25 AM - 12:30 AM	53.5	53.1	-	45.9	48.9	-3.0
12:30 AM - 12:35 AM	52.4	52.0	-	44.8	48.1	-3.3
12:35 AM - 12:40 AM	50.2	49.8	-	42.6	47.0	-4.4
12:40 AM - 12:45 AM	53.0	52.6	-	45.4	48.8	-3.4
12:45 AM - 12:50 AM	54.2	53.8	-	46.6	48.1	-1.5
12:50 AM - 12:55 AM	49.8	49.4	-	42.2	47.1	-4.9
01:00 AM - 01:05 AM	55.9	55.5	-	48.3	52.3	-4.0
01:05 AM - 01:10 AM	56.0	55.6	-	48.4	53.1	-4.7
01:10 AM - 01:15 AM	56.3	55.9	-	48.7	53.4	-4.7
01:15 AM - 01:20 AM	56.2	55.9	-	47.4	52.3	-4.9
01:20 AM - 01:25 AM	56.8	56.5	-	48.0	54.3	-6.3
01:25 AM - 01:30 AM	55.8	55.5	-	47.0	48.4	-1.4
01:30 AM - 01:35 AM	57.5	57.2	-	48.7	54.7	-6.0
01:35 AM - 01:40 AM	57.1	56.8	-	48.3	53.8	-5.5
01:40 AM - 01:45 AM	57.2	56.9	-	48.4	53.5	-5.1
01:45 AM - 01:50 AM	57.7	57.4	-	48.9	54.9	-6.0
01:50 AM - 01:55 AM	56.9	56.6	-	48.1	53.8	-5.7
01:55 AM - 02:00 AM	56.4	56.1	-	47.6	52.5	-4.9
02:00 AM - 02:05 AM	55.7	55.4	-	46.9	46.5	0.4
02:05 AM - 02:10 AM	54.1	53.8	-	45.3	46.0	-0.7
02:10 AM - 02:15 AM	58.0	57.7	-	49.2	48.2	1.0
02:15 AM - 02:20 AM	58.7	58.4	-	49.9	48.7	1.2
02:20 AM - 02:25 AM	58.3	58.3	-	n/a	48.9	-
02:25 AM - 02:30 AM	57.7	57.7	-	n/a	53.8	-
02:30 AM - 02:35 AM	58.5	58.5	-	n/a	53.5	-
02:35 AM - 02:40 AM	59.4	59.4	-	n/a	54.3	-
02:40 AM - 02:45 AM	60.5	60.5	-	n/a	56.0	-
02:45 AM - 02:50 AM	59.4	59.4	-	n/a	54.8	-
02:50 AM - 02:55 AM	59.4	59.4	-	n/a	54.4	-
02:55 AM - 03:00 AM	58.7	58.7	-	n/a	52.6	-
03:00 AM - 03:05 AM	58.7	58.7	-	n/a	53.2	-
03:05 AM - 03:10 AM	59.1	59.1	-	n/a	54.3	-
03:10 AM - 03:15 AM	58.7	58.7	-	n/a	52.1	-
03:15 AM - 03:20 AM	58.3	58.3	-	n/a	51.5	-
03:20 AM - 03:25 AM	59.6	59.6	-	n/a	52.3	-
03:25 AM - 03:30 AM	58.0	58.0	-	n/a	51.9	-
03:30 AM - 03:35 AM	56.4	56.4	-	n/a	51.2	-
03:35 AM - 03:40 AM	53.4	53.4	-	n/a	49.7	-
03:40 AM - 03:45 AM	53.0	52.9	-	39.6	46.1	-6.5

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. 2599078-21
Parameter เสียงรบกวน
Location ถนนหน้าหมู่ 5 บ้านหนองปลาไหล (ส.แม่ท่าช้าง) (N3) (GPS 47P 0745668, 1429442)
Measurement Date Nov 22 - 23, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120937

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	52.3	52.2	-	38.9	49.0	-10.1
03:45 AM - 03:50 AM	51.7	51.6	-	38.3	48.5	-10.2
03:50 AM - 03:55 AM	50.9	50.8	-	37.5	48.3	-10.8
03:55 AM - 04:00 AM	52.5	52.4	-	36.9	45.9	-8.5
04:00 AM - 04:05 AM	55.3	55.2	-	41.9	45.6	-3.7
04:05 AM - 04:10 AM	63.5	63.4	-	50.1	48.7	1.4
04:10 AM - 04:15 AM	60.3	60.2	-	46.8	46.2	0.1
04:15 AM - 04:20 AM	52.2	52.1	-	38.8	47.4	-8.6
04:20 AM - 04:25 AM	51.7	51.6	-	38.3	47.6	-9.3
04:25 AM - 04:30 AM	52.5	52.4	-	39.1	44.5	-5.8
04:30 AM - 04:35 AM	54.0	53.9	-	40.6	45.0	-4.4
04:35 AM - 04:40 AM	57.8	57.7	-	44.4	44.2	0.2
04:40 AM - 04:45 AM	60.8	60.5	-	52.0	44.5	7.5
04:45 AM - 04:50 AM	56.8	56.5	-	48.0	45.7	2.3
04:50 AM - 04:55 AM	53.5	53.2	-	44.7	47.6	-2.9
04:55 AM - 05:00 AM	54.0	53.7	-	45.2	43.8	1.4
05:00 AM - 05:05 AM	53.4	53.1	-	46.6	43.8	2.8
05:05 AM - 05:10 AM	52.0	51.7	-	43.2	43.3	-0.1
05:10 AM - 05:15 AM	51.1	49.8	-	41.3	43.6	-2.3
05:15 AM - 05:20 AM	51.6	51.3	-	42.8	42.4	0.4
05:20 AM - 05:25 AM	44.8	44.5	-	36.0	42.0	-6.0
05:25 AM - 05:30 AM	51.1	50.8	-	42.3	42.2	0.1
05:30 AM - 05:35 AM	59.0	59.0	-	45.5	43.5	-129.0
05:35 AM - 05:40 AM	59.8	59.8	-	49.8	43.3	-
05:40 AM - 05:45 AM	51.7	51.7	-	n/a	43.1	-
05:45 AM - 05:50 AM	49.9	49.9	-	n/a	43.7	-
05:50 AM - 05:55 AM	50.3	50.3	-	n/a	43.9	-
05:55 AM - 06:00 AM	58.4	58.4	-	n/a	45.7	-
06:00 AM - 07:00 AM	55.0	54.9	-	38.6	-	-7.5
07:00 AM - 08:00 AM	54.5	54.4	-	38.1	-	-8.1
08:00 AM - 09:00 AM	56.3	56.1	-	42.8	-	-7.2
09:00 AM - 10:00 AM	54.9	54.8	-	38.5	-	-5.4

หมายเหตุ:

- Reference Method : 1. ISO 1996-1
2. ประกาศกระทรวงมหาดไทย เรื่อง วิธีการตรวจวัดเสียงสิ่งแวดล้อมขณะไม่มีการรบกวน การตรวจวัดค่าเสียงขณะมีเสียงรบกวนและการตรวจวัดค่าเสียงขณะมีการรบกวน และแบบบันทึกการตรวจวัดเสียงรบกวน พ.ศ. 2565
3. กฎกระทรวงกำหนดการให้เสียงรบกวนเป็นอันตราย ฉบับที่ 29 (พ.ศ.2550) เรื่อง การประเมินเสียงรบกวน
4. ค่าเฉลี่ยเสียงจากแหล่งกำเนิด จากการตรวจวัด วันที่ 22-23 พฤศจิกายน 2568
5. ค่าเฉลี่ยเสียงจากแหล่งกำเนิดเสียงขณะไม่มีการรบกวน (Sample No. 2599080-21) จากการตรวจวัด วันที่ 22-23 พฤศจิกายน 2568
6. กฎหมายกำหนดการให้เสียงรบกวนเป็นอันตรายไว้ (เนื่องจากค่าเสียงจากแหล่งกำเนิดเสียงรบกวนเกินค่าเสียงขณะไม่มีการรบกวน)

The above results are valid only for the analyzed sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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TESTING

No.0042

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459192-1

Page 3 of 3



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. 2599078-22
Parameter เสียงรบกวน
Location ถนนหน้าหมู่ 5 บ้านหนองปลาไหล (ส.แม่ท่าช้าง) (N4) (GPS 47P 0744728, 1428916)
Measurement Date Nov 16 - 17, 2025
Measurement by Apichart Wilars
Sound Level Meter 531295

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	47.8	47.8	n/a	-	44.9	-
11:00 AM - 12:00 PM	48.7	48.7	n/a	-	46.9	-
12:00 PM - 01:00 PM	48.1	47.7	44.4	-	42.6	1.8
01:00 PM - 02:00 PM	49.0	46.6	45.3	-	44.0	1.3
02:00 PM - 03:00 PM	50.2	49.2	43.3	-	46.1	-2.8
03:00 PM - 04:00 PM	52.1	52.7	n/a	-	47.4	-
04:00 PM - 05:00 PM	49.4	49.1	37.6	-	46.7	-9.1
05:00 PM - 06:00 PM	49.3	49.2	32.9	-	46.2	-13.3
06:00 PM - 07:00 PM	57.2	53.5	54.8	-	50.8	4.0
07:00 PM - 08:00 PM	55.5	51.4	53.4	-	49.1	4.3
08:00 PM - 09:00 PM	55.9	51.2	54.1	-	48.7	4.4
09:00 PM - 10:00 PM	51.4	47.0	49.4	-	45.2	4.2
10:00 PM - 10:59 PM	51.5	47.9	-	52.0	46.5	5.5
10:59 PM - 10:10 PM	51.4	48.1	-	51.7	46.0	5.7
10:10 PM - 10:15 PM	51.5	48.6	-	51.4	46.0	5.4
10:15 PM - 10:20 PM	51.0	47.0	-	51.8	43.7	8.1
10:20 PM - 10:25 PM	49.7	46.8	-	49.6	45.4	4.2
10:25 PM - 10:30 PM	51.5	46.0	-	53.1	44.6	5.5
10:30 PM - 10:35 PM	50.6	48.8	-	48.9	47.5	1.4
10:35 PM - 10:40 PM	50.9	49.6	-	48.0	47.4	0.6
10:40 PM - 10:45 PM	51.5	49.8	-	49.5	47.8	1.8
10:45 PM - 10:50 PM	51.4	49.3	-	50.2	47.5	0.7
10:50 PM - 10:55 PM	51.1	49.8	-	48.2	46.5	1.7
10:55 PM - 11:00 PM	51.6	48.3	-	51.9	46.3	5.6
11:00 PM - 11:05 PM	51.0	48.8	-	52.2	47.1	5.1
11:05 PM - 11:10 PM	51.5	49.6	-	50.0	47.1	2.9
11:10 PM - 11:15 PM	51.1	50.5	-	45.2	48.5	-3.3
11:15 PM - 11:20 PM	51.7	50.2	-	49.4	48.0	1.4
11:20 PM - 11:25 PM	51.9	49.0	-	51.8	46.3	5.5
11:25 PM - 11:30 PM	51.6	49.3	-	50.7	46.5	4.2
11:30 PM - 11:35 PM	51.5	48.7	-	51.3	46.4	4.9
11:35 PM - 11:40 PM	52.3	49.6	-	52.0	47.1	4.9
11:40 PM - 11:45 PM	52.1	49.6	-	51.5	47.0	4.5
11:45 PM - 11:50 PM	52.5	49.6	-	52.4	47.3	5.1
11:50 PM - 11:55 PM	51.4	49.8	-	49.3	47.2	2.1
11:55 PM - 12:00 AM	51.6	50.3	-	48.7	47.2	1.5
12:00 AM - 12:05 AM	50.8	50.0	-	46.1	47.5	-1.4
12:05 AM - 12:10 AM	50.3	50.4	-	n/a	47.8	-
12:10 AM - 12:15 AM	50.2	50.6	-	n/a	47.6	-
12:15 AM - 12:20 AM	50.6	49.8	-	45.1	47.2	-1.9



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. 2599078-22
Parameter เสียงรบกวน
Location ถนนลำพูน 5 บ้านแม่คำยูน (อ.แม่คำยูน) (NM) (GPS 47P 0744728, 1428916)
Measurement Date Nov 16 - 17, 2025
Measurement by Apichart Wilars
Sound Level Meter 531295



TESTING
No. 0042

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459193-1

Page 2 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงพื้นฐาน	ค่าเฉลี่ยการรบกวน
			กลางคืน	กลางวัน		
12:20 AM - 12:25 AM	50.9	49.4	-	48.6	46.9	1.7
12:25 AM - 12:30 AM	50.5	49.6	-	46.2	46.7	-0.5
12:30 AM - 12:35 AM	51.0	50.2	-	46.3	47.6	-1.3
12:35 AM - 12:40 AM	51.4	49.8	-	49.3	47.6	1.7
12:40 AM - 12:45 AM	50.0	49.9	-	36.6	47.7	-11.1
12:45 AM - 12:50 AM	50.5	50.5	-	0.0	48.3	-
12:50 AM - 12:55 AM	51.4	50.7	-	46.1	48.2	-2.1
12:55 AM - 01:00 AM	50.7	50.3	-	43.1	48.1	-5.0
01:00 AM - 01:05 AM	50.4	50.0	-	42.8	47.4	-4.6
01:05 AM - 01:10 AM	50.5	50.7	-	0.0	48.2	-
01:10 AM - 01:15 AM	50.9	51.0	-	0.0	48.4	-
01:15 AM - 01:20 AM	50.7	51.1	-	0.0	47.9	-
01:20 AM - 01:25 AM	50.7	51.2	-	0.0	48.1	-
01:25 AM - 01:30 AM	50.9	50.8	-	37.5	47.7	-10.2
01:30 AM - 01:35 AM	49.9	50.0	-	0.0	47.4	-
01:35 AM - 01:40 AM	49.7	50.7	-	0.0	47.7	-
01:40 AM - 01:45 AM	49.3	49.8	-	0.0	47.0	-
01:45 AM - 01:50 AM	50.0	48.9	-	46.5	46.4	0.1
01:50 AM - 01:55 AM	49.7	49.6	-	36.3	46.6	-10.3
01:55 AM - 02:00 AM	50.1	50.5	-	0.0	46.7	-
02:00 AM - 02:05 AM	50.3	50.0	-	41.5	46.4	-4.9
02:05 AM - 02:10 AM	50.6	50.7	-	0.0	47.0	-
02:10 AM - 02:15 AM	50.4	50.4	-	0.0	46.9	-
02:15 AM - 02:20 AM	50.8	50.6	-	40.3	47.3	-7.0
02:20 AM - 02:25 AM	50.3	50.1	-	39.8	47.1	-7.3
02:25 AM - 02:30 AM	50.3	48.9	-	47.7	46.7	1.0
02:30 AM - 02:35 AM	50.6	48.9	-	46.7	46.6	0.1
02:35 AM - 02:40 AM	50.2	48.7	-	47.9	46.3	1.6
02:40 AM - 02:45 AM	50.6	48.5	-	49.4	45.9	3.5
02:45 AM - 02:50 AM	50.6	47.4	-	50.0	45.7	5.1
02:50 AM - 02:55 AM	50.9	46.2	-	52.1	45.1	7.0
02:55 AM - 03:00 AM	50.0	46.4	-	50.5	45.3	5.2
03:00 AM - 03:05 AM	49.9	46.4	-	50.3	45.2	5.1
03:05 AM - 03:10 AM	49.9	45.6	-	50.9	44.8	6.1
03:10 AM - 03:15 AM	51.0	45.7	-	52.5	44.9	7.6
03:15 AM - 03:20 AM	51.4	45.0	-	53.3	44.0	9.3
03:20 AM - 03:25 AM	51.2	45.8	-	52.7	44.8	7.9
03:25 AM - 03:30 AM	51.5	45.9	-	53.1	45.0	8.1
03:30 AM - 03:35 AM	51.9	46.6	-	53.4	45.7	7.7
03:35 AM - 03:40 AM	49.9	47.1	-	49.7	45.9	3.8

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. 2599078-22
Parameter เสียงรบกวน
Location ถนนลำพูน 5 บ้านแม่คำยูน (อ.แม่คำยูน) (NM) (GPS 47P 0744728, 1428916)
Measurement Date Nov 16 - 17, 2025
Measurement by Apichart Wilars
Sound Level Meter 531295



TESTING
No. 0042

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459193-1

Page 3 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงพื้นฐาน	ค่าเฉลี่ยการรบกวน
			กลางคืน	กลางวัน		
03:40 AM - 03:45 AM	50.5	47.2	-	50.8	45.9	4.9
03:45 AM - 03:50 AM	48.2	46.3	-	46.7	45.7	1.0
03:50 AM - 03:55 AM	48.6	47.1	-	46.3	45.8	0.5
03:55 AM - 04:00 AM	48.9	46.8	-	47.7	45.7	2.0
04:00 AM - 04:05 AM	49.1	46.2	-	49.0	45.3	3.7
04:05 AM - 04:10 AM	49.8	46.3	-	50.2	45.5	4.7
04:10 AM - 04:15 AM	49.7	46.2	-	50.1	45.5	4.6
04:15 AM - 04:20 AM	49.3	47.5	-	47.4	45.9	1.5
04:20 AM - 04:25 AM	49.0	47.8	-	45.8	46.6	-0.8
04:25 AM - 04:30 AM	48.7	47.7	-	48.4	46.4	2.0
04:30 AM - 04:35 AM	48.7	48.6	-	53.3	47.2	-11.9
04:35 AM - 04:40 AM	48.9	47.4	-	46.6	46.9	-0.3
04:40 AM - 04:45 AM	49.3	47.5	-	47.4	46.9	0.5
04:45 AM - 04:50 AM	49.5	47.6	-	48.0	47.1	0.9
04:50 AM - 04:55 AM	49.7	47.8	-	48.2	47.2	1.0
04:55 AM - 05:00 AM	49.5	47.7	-	47.8	46.9	0.9
05:00 AM - 05:05 AM	49.4	47.8	-	47.3	46.8	0.5
05:05 AM - 05:10 AM	49.5	48.6	-	45.2	47.0	-1.8
05:10 AM - 05:15 AM	49.7	47.3	-	49.0	46.6	2.4
05:15 AM - 05:20 AM	49.8	47.8	-	48.5	46.8	1.7
05:20 AM - 05:25 AM	49.7	47.6	-	48.5	47.1	1.4
05:25 AM - 05:30 AM	49.0	48.2	-	44.3	47.4	-3.1
05:30 AM - 05:35 AM	49.4	48.1	-	46.5	47.4	-0.9
05:35 AM - 05:40 AM	49.2	48.1	-	45.7	46.9	-1.2
05:40 AM - 05:45 AM	49.9	48.7	-	48.7	47.5	-0.8
05:45 AM - 05:50 AM	50.8	47.9	-	50.7	47.2	3.5
05:50 AM - 05:55 AM	49.9	47.5	-	46.3	46.5	-0.2
05:55 AM - 06:00 AM	50.2	47.5	-	49.9	46.5	3.4
06:00 AM - 07:00 AM	48.9	48.6	37.1	-	46.8	-9.7
07:00 AM - 08:00 AM	48.1	46.1	36.6	-	46.1	-8.5
08:00 AM - 09:00 AM	51.2	46.9	51.2	-	46.9	0.0
09:00 AM - 10:00 AM	54.9	50.0	53.2	-	47.6	5.6
ค่าเฉลี่ยรวม						≤ 10

Reference Method :

1. ISO 1996-1
2. ประกาศกระทรวงมหาดไทยเรื่องเสียง (เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงขณะไม่มีการรบกวน การตรวจวัดและค่ามาตรฐานระดับเสียงขณะไม่มีการรบกวน การกำหนดค่าระดับเสียงรบกวน และแบบปฏิบัติการตรวจวัดเสียงรบกวน พ.ศ. 2565)
3. กฎกระทรวงกำหนดการขึ้นทะเบียนโรงงานอุตสาหกรรม (ฉบับแก้ไขเพิ่มเติม) พ.ศ. 2550 (พ.ศ. 2550) (เรื่อง กำหนดเสียงรบกวน)

หมายเหตุ :

1. ระดับเสียงจากแหล่งกำเนิด จากการตรวจวัด วันที่ 16-17 พฤศจิกายน 2568

2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No. 2599080-22 วันที่ตรวจวัด 16-17 พฤศจิกายน 2568)

3. กฎกระทรวงกำหนดการขึ้นทะเบียนโรงงานอุตสาหกรรม (ฉบับแก้ไขเพิ่มเติม) พ.ศ. 2550 (พ.ศ. 2550) (เรื่อง กำหนดเสียงรบกวน)

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. 2599078-23
Parameter เสียงรบกวน
Location ถนนลำพูน 5 บ้านแม่คำยูน (อ.แม่คำยูน) (NM) (GPS 47P 0744728, 1428916)
Measurement Date Nov 17 - 18, 2025
Measurement by Apichart Wilars
Sound Level Meter 531295



TESTING
No. 0042

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459194-1

Page 1 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงพื้นฐาน	ค่าเฉลี่ยการรบกวน
			กลางคืน	กลางวัน		
10:00 AM - 11:00 AM	50.8	50.0	43.1	-	47.1	-4.0
11:00 AM - 12:00 PM	51.4	49.6	46.7	-	46.6	0.1
12:00 PM - 01:00 PM	48.2	47.4	40.5	-	44.5	-4.0
01:00 PM - 02:00 PM	54.2	51.8	50.5	-	48.6	1.9
02:00 PM - 03:00 PM	50.5	51.3	37.0	-	48.4	-11.4
03:00 PM - 04:00 PM	52.7	51.3	47.1	-	48.6	-1.5
04:00 PM - 05:00 PM	48.0	48.0	0.0	-	46.5	-
05:00 PM - 06:00 PM	46.4	47.0	0.0	-	45.3	-
06:00 PM - 07:00 PM	55.1	51.5	52.6	-	50.3	2.3
07:00 PM - 08:00 PM	53.9	51.0	50.8	-	50.0	0.8
08:00 PM - 09:00 PM	53.1	50.5	49.6	-	49.1	0.5
09:00 PM - 10:00 PM	53.3	49.3	51.1	-	47.9	3.2
10:00 PM - 10:05 PM	52.5	49.9	52.0	-	48.7	3.3
10:05 PM - 10:10 PM	53.2	49.9	-	53.5	48.2	5.3
10:10 PM - 10:15 PM	53.3	49.8	-	53.7	48.2	5.5
10:15 PM - 10:20 PM	53.4	50.4	-	53.4	48.1	4.7
10:20 PM - 10:25 PM	52.4	51.7	-	52.6	49.0	-1.9
10:25 PM - 10:30 PM	51.0	51.8	-	0.0	48.4	-
10:30 PM - 10:35 PM	51.8	52.0	-	49.1	-	-
10:35 PM - 10:40 PM	52.3	52.4	-	43.5	48.9	-5.4
10:40 PM - 10:45 PM	53.1	50.8	-	52.2	48.2	4.0
10:45 PM - 10:50 PM	54.3	50.4	-	50.4	48.8	6.2
10:50 PM - 10:55 PM	53.5	51.9	-	51.4	49.0	2.0
10:55 PM - 11:00 PM	52.8	50.3	-	52.2	48.2	4.0
11:00 PM - 11:05 PM	53.5	51.4	-	52.2	48.2	4.1
11:05 PM - 11:10 PM	53.4	51.1	-	50.5	47.2	2.6
11:10 PM - 11:15 PM	52.9	52.3	-	47.0	48.5	-1.5
11:15 PM - 11:20 PM	53.5	51.5	-	52.2	48.0	4.2
11:20 PM - 11:25 PM	53.6	48.4	-	55.0	47.0	8.0
11:25 PM - 11:30 PM	53.5	49.2	-	54.5	48.0	6.5
11:30 PM - 11:35 PM	54.0	49.0	-	55.3	48.1	7.2
11:35 PM - 11:40 PM	54.2	48.9	-	55.7	47.9	7.8
11:40 PM - 11:45 PM	53.7	48.7	-	55.0	47.2	7.8
11:45 PM - 11:50 PM	51.6	49.8	-	49.9	47.4	2.5
11:50 PM - 11:55 PM	51.8	49.0	-	51.6	48.2	3.4
11:55 PM - 12:00 AM	52.2	51.5	-	48.9	47.5	-0.5
12:00 AM - 12:05 AM	52.2	48.5	-	53.3	46.9	5.9
12:05 AM - 12:10 AM	51.4	48.6	-	51.2	47.3	3.9
12:10 AM - 12:15 AM	52.1	50.1	-	50.8	47.4	3.4
12:15 AM - 12:20 AM	53.1	48.0	-	54.5	46.6	7.8

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenankoo, Amphur Phakdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459194-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-23
Parameter : เสียงรบกวน
Location : ถนนสาย 5 ผ่านแยกสี่กั๊ก (อ.แม่ท่าเรือ) (N4) (GPS 47P 0744728, 1428916)
Measurement Date : Nov 17 - 18, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531295

Page 3 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	ระดับเสียง (dB(A))		เสียงที่ฐานการรบกวน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	51.2	45.8	-	52.7	45.2	7.5
03:45 AM - 03:50 AM	50.5	46.1	-	51.5	45.4	6.1
03:50 AM - 03:55 AM	50.6	46.1	-	51.7	45.5	6.2
03:55 AM - 04:00 AM	50.3	45.9	-	51.3	45.2	6.1
04:00 AM - 04:05 AM	50.1	46.3	-	50.8	45.5	5.3
04:05 AM - 04:10 AM	50.4	46.1	-	51.4	45.4	6.0
04:10 AM - 04:15 AM	50.3	46.2	-	51.2	45.4	5.8
04:15 AM - 04:20 AM	50.0	46.1	-	50.7	45.4	5.3
04:20 AM - 04:25 AM	50.0	46.3	-	50.6	45.6	5.0
04:25 AM - 04:30 AM	49.6	46.5	-	49.7	45.6	4.3
04:30 AM - 04:35 AM	49.9	46.7	-	50.1	45.8	4.9
04:35 AM - 04:40 AM	49.7	46.5	-	49.9	45.7	4.2
04:40 AM - 04:45 AM	49.4	46.3	-	49.5	45.4	4.1
04:45 AM - 04:50 AM	49.3	45.8	-	49.7	45.0	4.7
04:50 AM - 04:55 AM	49.8	46.5	-	50.1	45.9	4.2
04:55 AM - 05:00 AM	49.7	46.5	-	49.9	45.9	4.0
05:00 AM - 05:05 AM	49.8	46.4	-	50.1	45.8	4.3
05:05 AM - 05:10 AM	49.7	47.1	-	49.2	46.3	2.9
05:10 AM - 05:15 AM	49.2	46.9	-	48.3	46.2	2.1
05:15 AM - 05:20 AM	46.9	-	47.8	46.1	45.7	1.5
05:20 AM - 05:25 AM	49.1	47.0	-	47.9	46.4	1.5
05:25 AM - 05:30 AM	49.0	47.4	-	46.9	46.5	0.4
05:30 AM - 05:35 AM	49.3	47.1	-	48.3	46.2	2.1
05:35 AM - 05:40 AM	49.4	47.4	-	48.1	46.5	1.6
05:40 AM - 05:45 AM	49.4	47.3	-	48.2	46.6	1.6
05:45 AM - 05:50 AM	49.4	47.5	-	47.9	46.8	1.1
05:50 AM - 05:55 AM	49.6	47.1	-	49.0	46.6	2.8
05:55 AM - 06:00 AM	50.0	47.4	-	49.5	46.6	2.9
06:00 AM - 07:00 AM	48.6	47.8	40.9	-	46.5	-5.6
07:00 AM - 08:00 AM	46.5	46.9	n/a	-	45.6	-
08:00 AM - 09:00 AM	53.0	52.8	39.5	-	48.4	-8.9
09:00 AM - 10:00 AM	55.8	55.9	n/a	-	50.8	-

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ (เรื่อง วิธีการตรวจวัดระดับเสียงที่ฐาน ระดับเสียงรบกวนจากการจราจรตามสายทางระดับเสียงรบกวนจากการจราจรตามสายการคมนาคม และแบบบันทึกการตรวจวัดเสียงรบกวน พ.ศ. 2565)

หมายเหตุ : ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 29 (พ.ศ.2550) (เรื่อง การประเมินผลกระทบจากเสียงรบกวน)

- ระดับเสียงจากแหล่งกำเนิด จากการตรวจวัด วันที่ 17-18 พฤศจิกายน 2568
- ระดับเสียงที่ฐานและระดับเสียงรบกวนจากการจราจรตามสายทาง (Sample No.2599080-23) จากการตรวจวัด วันที่ 17-18 พฤศจิกายน 2568
- ทุกค่าที่ได้มาจากการประเมินเสียงรบกวนจากการจราจรตามสายทาง (Sample No.2599080-23) เป็นการประเมินเสียงรบกวนจากการจราจรตามสายทาง

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenankoo, Amphur Phakdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459195-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-24
Parameter : เสียงรบกวน
Location : ถนนสาย 5 ผ่านแยกสี่กั๊ก (อ.แม่ท่าเรือ) (N4) (GPS 47P 0744728, 1428916)
Measurement Date : Nov 18 - 19, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531295

Page 1 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	ระดับเสียง (dB(A))		เสียงที่ฐานการรบกวน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	60.2	56.5	57.8	-	51.7	6.1
11:00 AM - 12:00 PM	49.2	48.6	40.3	-	45.8	-5.5
12:00 PM - 01:00 PM	44.6	45.0	n/a	-	43.3	-
01:00 PM - 02:00 PM	53.8	50.7	50.9	-	47.7	3.2
02:00 PM - 03:00 PM	51.2	50.1	44.7	-	47.0	-2.3
03:00 PM - 04:00 PM	49.5	49.2	37.7	-	46.8	-9.1
04:00 PM - 05:00 PM	48.7	48.2	39.1	-	45.7	-6.6
05:00 PM - 06:00 PM	46.9	47.2	n/a	-	45.2	-
06:00 PM - 07:00 PM	55.1	50.8	53.1	-	49.9	3.2
07:00 PM - 08:00 PM	53.9	50.1	51.6	-	48.7	2.9
08:00 PM - 09:00 PM	51.9	50.9	45.0	-	49.1	-4.1
09:00 PM - 10:00 PM	52.6	52.4	39.1	-	50.0	-10.9
10:00 PM - 10:05 PM	52.3	52.1	-	41.8	50.3	-8.5
10:05 PM - 10:10 PM	52.8	51.0	-	51.1	48.2	2.9
10:10 PM - 10:15 PM	53.3	50.0	-	53.6	48.0	5.6
10:15 PM - 10:20 PM	51.7	49.4	-	50.8	47.4	3.4
10:20 PM - 10:25 PM	51.2	49.7	-	48.9	47.8	1.1
10:25 PM - 10:30 PM	51.5	50.0	-	49.2	47.9	1.3
10:30 PM - 10:35 PM	54.3	51.1	-	54.5	48.9	5.6
10:35 PM - 10:40 PM	54.4	50.6	-	55.1	48.7	6.4
10:40 PM - 10:45 PM	53.1	49.9	-	53.3	47.7	5.6
10:45 PM - 10:50 PM	51.5	49.8	-	49.6	47.8	1.8
10:50 PM - 10:55 PM	51.4	49.2	-	50.4	47.5	2.9
10:55 PM - 11:00 PM	51.8	50.4	-	49.2	48.3	0.9
11:00 PM - 11:05 PM	52.5	49.8	-	52.2	47.7	4.5
11:05 PM - 11:10 PM	52.2	50.2	-	50.7	48.0	2.0
11:10 PM - 11:15 PM	52.3	50.3	-	51.0	48.3	2.7
11:15 PM - 11:20 PM	52.5	49.9	-	52.0	48.0	4.0
11:20 PM - 11:25 PM	51.6	50.0	-	49.5	48.1	1.4
11:25 PM - 11:30 PM	50.7	50.1	-	44.8	48.3	-3.5
11:30 PM - 11:35 PM	51.2	49.2	-	49.9	47.7	2.2
11:35 PM - 11:40 PM	51.5	48.4	-	51.6	47.0	4.6
11:40 PM - 11:45 PM	52.0	49.4	-	52.5	47.1	5.4
11:45 PM - 11:50 PM	52.4	48.9	-	52.8	47.6	5.2
11:50 PM - 11:55 PM	52.3	49.1	-	52.5	47.7	4.8
11:55 PM - 12:00 AM	52.5	49.8	-	52.8	47.9	4.3
12:00 AM - 12:05 AM	53.5	49.4	-	54.4	47.9	6.5
12:05 AM - 12:10 AM	53.4	49.9	-	53.8	48.2	5.6
12:10 AM - 12:15 AM	54.1	49.4	-	55.3	47.9	7.4
12:15 AM - 12:20 AM	54.1	50.2	-	54.8	48.4	6.4

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenankoo, Amphur Phakdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459195-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-24
Parameter : เสียงรบกวน
Location : ถนนสาย 5 ผ่านแยกสี่กั๊ก (อ.แม่ท่าเรือ) (N4) (GPS 47P 0744728, 1428916)
Measurement Date : Nov 18 - 19, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531295

Page 2 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	ระดับเสียง (dB(A))		เสียงที่ฐานการรบกวน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
12:20 AM - 12:25 AM	53.8	49.1	-	55.0	48.0	7.0
12:25 AM - 12:30 AM	54.2	49.6	-	55.4	48.3	7.1
12:30 AM - 12:35 AM	53.5	49.2	-	54.5	48.1	6.4
12:35 AM - 12:40 AM	53.8	48.9	-	55.1	47.6	7.5
12:40 AM - 12:45 AM	52.3	48.5	-	53.0	47.3	5.7
12:45 AM - 12:50 AM	51.1	47.3	-	49.4	47.5	1.9
12:50 AM - 12:55 AM	51.4	47.8	-	49.5	47.8	2.1
12:55 AM - 01:00 AM	52.3	49.4	-	52.2	47.9	4.3
01:00 AM - 01:05 AM	52.9	50.1	-	52.7	48.0	4.7
01:05 AM - 01:10 AM	54.8	50.5	-	54.8	48.2	7.6
01:10 AM - 01:15 AM	52.3	49.7	-	51.8	47.9	3.9
01:15 AM - 01:20 AM	52.3	49.9	-	51.6	48.2	3.4
01:20 AM - 01:25 AM	54.2	51.1	-	54.3	49.4	4.9
01:25 AM - 01:30 AM	54.0	50.1	-	54.4	48.5	5.9
01:30 AM - 01:35 AM	54.5	50.0	-	55.6	48.3	7.3
01:35 AM - 01:40 AM	53.9	49.5	-	55.4	47.0	8.4
01:40 AM - 01:45 AM	50.2	46.5	-	50.8	45.6	5.2
01:45 AM - 01:50 AM	49.5	50.8	-	n/a	45.6	-
01:50 AM - 01:55 AM	51.1	52.2	-	n/a	47.6	-
01:55 AM - 02:00 AM	49.7	47.7	-	48.4	46.7	1.7
02:00 AM - 02:05 AM	47.0	52.7	-	n/a	47.5	-
02:05 AM - 02:10 AM	50.1	54.0	-	n/a	51.2	-
02:10 AM - 02:15 AM	54.6	54.1	-	48.0	51.0	-3.0
02:15 AM - 02:20 AM	51.4	55.2	-	n/a	52.0	-
02:20 AM - 02:25 AM	52.2	51.9	-	43.4	47.9	-4.3
02:25 AM - 02:30 AM	49.3	47.6	-	47.4	46.1	1.3
02:30 AM - 02:35 AM	49.7	48.1	-	47.6	46.8	0.8
02:35 AM - 02:40 AM	50.7	48.7	-	49.4	47.4	2.0
02:40 AM - 02:45 AM	51.1	49.0	-	49.9	47.4	2.5
02:45 AM - 02:50 AM	52.7	50.2	-	52.1	47.6	4.5
02:50 AM - 02:55 AM	51.5	48.4	-	47.6	47.4	4.2
02:55 AM - 03:00 AM	50.5	49.1	-	47.9	47.8	0.1
03:00 AM - 03:05 AM	51.6	49.4	-	48.6	48.0	2.6
03:05 AM - 03:10 AM	51.6	48.9	-	51.3	47.8	3.5
03:10 AM - 03:15 AM	50.2	48.6	-	48.1	47.6	0.5
03:15 AM - 03:20 AM	49.6	48.0	-	47.4	47.7	-2.8
03:20 AM - 03:25 AM	49.4	48.3	-	45.9	47.1	-1.2
03:25 AM - 03:30 AM	49.2	49.2	-	n/a	47.2	-
03:30 AM - 03:35 AM	49.0	48.3	-	43.7	46.6	-2.0
03:35 AM - 03:40 AM	49.4	48.2	-	46.3	46.7	-0.5

The above results are valid only for the analysed/checked sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wibab.

Wilawan Borirak
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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenankoo, Amphur Phakdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459195-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-24
Parameter : เสียงรบกวน
Location : ถนน



Analysis / Test Report



TESTING
No 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459196-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-25
Parameter : เสียงรบกวน
Location : กลุ่มบ้านหมู่ 5 บ้านเหล่าสุโขทัย (ส.แม่ข่าย) (N4) (GPS 47P 0744728, 1428916)
Measurement Date : Nov 19 - 20, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531295

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	57.8	55.5	53.9	-	53.2	0.7
11:00 AM - 12:00 PM	61.7	57.8	59.4	-	54.6	4.8
12:00 PM - 01:00 PM	54.8	51.5	52.1	-	46.8	5.3
01:00 PM - 02:00 PM	62.0	58.6	59.3	-	54.4	4.9
02:00 PM - 03:00 PM	62.8	57.6	61.2	-	54.4	6.8
03:00 PM - 04:00 PM	60.6	56.0	58.8	-	52.8	6.0
04:00 PM - 05:00 PM	57.9	53.9	55.7	-	50.0	5.7
05:00 PM - 06:00 PM	48.6	49.0	n/a	-	46.8	-
06:00 PM - 07:00 PM	54.7	52.9	50.0	-	51.4	-1.4
07:00 PM - 08:00 PM	56.5	53.5	53.5	-	50.9	2.6
08:00 PM - 09:00 PM	55.6	53.2	51.9	-	50.8	1.1
09:00 PM - 10:00 PM	56.2	52.1	54.1	-	49.8	4.3
10:00 PM - 10:05 PM	52.6	50.3	-	-	49.1	2.6
10:05 PM - 10:10 PM	52.0	50.3	-	-	50.1	1.0
10:10 PM - 10:15 PM	51.0	49.4	-	-	48.9	47.9
10:15 PM - 10:20 PM	51.5	48.9	-	-	51.0	47.7
10:20 PM - 10:25 PM	51.0	49.0	-	-	49.7	47.6
10:25 PM - 10:30 PM	51.1	48.6	-	-	50.5	47.4
10:30 PM - 10:35 PM	51.4	49.1	-	-	50.5	47.8
10:35 PM - 10:40 PM	50.9	49.9	-	-	47.0	47.8
10:40 PM - 10:45 PM	49.1	49.5	-	-	47.7	1.8
10:45 PM - 10:50 PM	51.0	51.2	-	-	n/a	48.0
10:50 PM - 10:55 PM	51.8	49.6	-	-	50.8	48.0
10:55 PM - 11:00 PM	52.1	48.8	-	-	52.4	47.5
11:00 PM - 11:05 PM	51.9	49.5	-	-	51.2	47.9
11:05 PM - 11:10 PM	52.6	48.9	-	-	53.2	47.6
11:10 PM - 11:15 PM	52.0	49.1	-	-	51.6	47.2
11:15 PM - 11:20 PM	51.8	49.0	-	-	51.6	47.6
11:20 PM - 11:25 PM	51.9	49.7	-	-	50.9	47.9
11:25 PM - 11:30 PM	51.5	49.1	-	-	50.8	47.9
11:30 PM - 11:35 PM	51.2	49.2	-	-	49.9	48.1
11:35 PM - 11:40 PM	52.1	50.0	-	-	50.9	48.6
11:40 PM - 11:45 PM	53.0	51.3	-	-	51.1	48.2
11:45 PM - 11:50 PM	53.0	50.3	-	-	52.7	48.8
11:50 PM - 11:55 PM	52.5	51.5	-	-	48.6	49.4
11:55 PM - 12:00 AM	53.4	50.6	-	-	53.2	49.4
12:00 AM - 12:05 AM	52.7	52.3	-	-	49.1	49.4
12:05 AM - 12:10 AM	53.4	50.2	-	-	53.6	48.3
12:10 AM - 12:15 AM	51.6	50.0	-	-	49.5	48.2
12:15 AM - 12:20 AM	52.1	49.7	-	-	51.4	47.9

Approved by

Wilwan Borik
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Analysis / Test Report



TESTING
No 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-25
Parameter : เสียงรบกวน
Location : กลุ่มบ้านหมู่ 5 บ้านเหล่าสุโขทัย (ส.แม่ข่าย) (N4) (GPS 47P 0744728, 1428916)
Measurement Date : Nov 19 - 20, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531295

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
12:20 AM - 12:25 AM	51.5	49.8	-	-	49.6	48.2
12:25 AM - 12:30 AM	52.4	49.9	-	-	51.8	48.5
12:30 AM - 12:35 AM	51.4	50.2	-	-	48.2	48.2
12:35 AM - 12:40 AM	52.4	50.1	-	-	51.5	48.4
12:40 AM - 12:45 AM	51.3	48.8	-	-	50.7	47.5
12:45 AM - 12:50 AM	50.4	48.1	-	-	49.5	46.9
12:50 AM - 12:55 AM	50.2	45.9	-	-	48.3	47.2
12:55 AM - 01:00 AM	51.1	48.4	-	-	50.8	46.9
01:00 AM - 01:05 AM	51.1	48.6	-	-	50.5	47.0
01:05 AM - 01:10 AM	51.4	48.3	-	-	51.4	47.1
01:10 AM - 01:15 AM	50.8	48.7	-	-	49.6	47.3
01:15 AM - 01:20 AM	51.1	48.9	-	-	50.1	46.4
01:20 AM - 01:25 AM	51.6	48.2	-	-	51.9	46.2
01:25 AM - 01:30 AM	50.0	49.0	-	-	46.1	46.7
01:30 AM - 01:35 AM	51.5	49.9	-	-	49.4	47.7
01:35 AM - 01:40 AM	51.1	49.5	-	-	49.0	47.5
01:40 AM - 01:45 AM	49.9	48.0	-	-	48.4	46.7
01:45 AM - 01:50 AM	51.1	48.4	-	-	50.8	46.5
01:50 AM - 01:55 AM	50.7	48.9	-	-	49.0	47.2
01:55 AM - 02:00 AM	50.6	49.0	-	-	50.6	46.8
02:00 AM - 02:05 AM	49.6	48.7	-	-	45.3	47.1
02:05 AM - 02:10 AM	50.0	48.4	-	-	47.9	47.2
02:10 AM - 02:15 AM	49.9	48.6	-	-	47.9	47.5
02:15 AM - 02:20 AM	50.6	48.1	-	-	50.0	47.2
02:20 AM - 02:25 AM	49.9	49.0	-	-	45.6	47.2
02:25 AM - 02:30 AM	51.6	49.0	-	-	51.1	47.6
02:30 AM - 02:35 AM	51.0	49.7	-	-	50.3	47.5
02:35 AM - 02:40 AM	52.8	50.3	-	-	52.2	48.0
02:40 AM - 02:45 AM	52.5	50.7	-	-	50.8	48.2
02:45 AM - 02:50 AM	52.4	47.6	-	-	53.4	47.9
02:50 AM - 02:55 AM	52.6	49.6	-	-	52.6	47.4
02:55 AM - 03:00 AM	52.0	50.6	-	-	49.4	48.1
03:00 AM - 03:05 AM	52.2	51.9	-	-	47.4	48.3
03:05 AM - 03:10 AM	52.3	51.7	-	-	46.4	49.3
03:10 AM - 03:15 AM	52.9	51.8	-	-	49.4	48.9
03:15 AM - 03:20 AM	52.2	51.1	-	-	48.7	47.9
03:20 AM - 03:25 AM	52.8	50.8	-	-	51.5	48.3
03:25 AM - 03:30 AM	51.7	51.6	-	-	38.3	48.8
03:30 AM - 03:35 AM	51.3	51.9	-	-	37.9	47.8
03:35 AM - 03:40 AM	51.6	50.4	-	-	48.4	46.8

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Analysis / Test Report



TESTING
No 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459196-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-25
Parameter : เสียงรบกวน
Location : กลุ่มบ้านหมู่ 5 บ้านเหล่าสุโขทัย (ส.แม่ข่าย) (N4) (GPS 47P 0744728, 1428916)
Measurement Date : Nov 19 - 20, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531295

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	49.7	50.4	-	-	47.0	-
03:45 AM - 03:50 AM	47.9	50.3	-	-	47.1	-
03:50 AM - 03:55 AM	49.2	47.5	-	-	47.3	45.9
03:55 AM - 04:00 AM	49.0	48.5	-	-	42.4	-3.9
04:00 AM - 04:05 AM	49.0	47.8	-	-	45.8	46.1
04:05 AM - 04:10 AM	49.2	48.6	-	-	43.3	46.4
04:10 AM - 04:15 AM	52.6	47.9	-	-	50.3	45.5
04:15 AM - 04:20 AM	48.8	47.9	-	-	44.5	45.6
04:20 AM - 04:25 AM	48.1	46.7	-	-	45.5	45.4
04:25 AM - 04:30 AM	48.7	46.3	-	-	45.0	45.1
04:30 AM - 04:35 AM	47.8	47.4	-	-	40.2	45.9
04:35 AM - 04:40 AM	48.4	47.6	-	-	43.7	45.7
04:40 AM - 04:45 AM	49.4	46.7	-	-	49.1	45.0
04:45 AM - 04:50 AM	48.2	47.6	-	-	42.3	46.0
04:50 AM - 04:55 AM	48.8	47.6	-	-	45.6	46.5
04:55 AM - 05:00 AM	49.1	48.9	-	-	38.6	46.3
05:00 AM - 05:05 AM	49.1	47.3	-	-	47.4	45.7
05:05 AM - 05:10 AM	47.8	46.6	-	-	44.6	45.5
05:10 AM - 05:15 AM	47.8	46.9	-	-	43.5	45.7
05:15 AM - 05:20 AM	48.5	47.0	-	-	46.3	45.9
05:20 AM - 05:25 AM	48.1	47.8	-	-	39.3	46.3
05:25 AM - 05:30 AM	48.9	47.6	-	-	46.0	46.2
05:30 AM - 05:35 AM	49.6	48.4	-	-	46.4	46.5
05:35 AM - 05:40 AM	49.0	48.5	-	-	42.4	46.7
05:40 AM - 05:45 AM	49.9	47.1	-	-	49.7	46.0
05:45 AM - 05:50 AM	47.3	47.0	-	-	38.5	46.0
05:50 AM - 05:55 AM	47.7	47.6	-	-	43.7	46.1
05:55 AM - 06:00 AM	47.7	47.6	-	-	34.3	46.4
06:00 AM - 07:00 AM	48.4	48.4	-	-	n/a	-
07:00 AM - 08:00 AM	49.4	49.9	-	-	n/a	-
08:00 AM - 09:00 AM	58.1	54.9	-	-	52.3	3.0
09:00 AM - 10:00 AM	56.6	54.5	-	-	52.4	5.0

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดเสียงสิ่งแวดล้อมและเสียงจากยานพาหนะ
- ประกาศกระทรวงสาธารณสุข เรื่อง วิธีการตรวจวัดเสียงสิ่งแวดล้อมและเสียงจากยานพาหนะ

หมายเหตุ : ผลการตรวจวัดเสียงสิ่งแวดล้อมและเสียงจากยานพาหนะ

- ผลการตรวจวัดเสียงสิ่งแวดล้อมและเสียงจากยานพาหนะ
- ผลการตรวจวัดเสียงสิ่งแวดล้อมและเสียงจากยานพาหนะ
- ผลการตรวจวัดเสียงสิ่งแวดล้อมและเสียงจากยานพาหนะ

Approved by

Wilwan Borik
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Analysis / Test Report



TESTING
No 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-26
Parameter : เสียงรบกวน
Location : กลุ่มบ้านหมู่ 5 บ้านเหล่าสุโขทัย (ส.แม่ข่าย) (N4) (GPS 47P 0744728, 1428916)
Measurement Date : Nov 20 - 21, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531295

ค่าเฉลี่ย (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	56.0	55.1	48.7	-	52.2	-3.5
11:00 AM - 12:00 PM	55.9	54.8	49.4	-	51.7	-2.3
12:00 PM - 01:00 PM	50.6	49.9	42.3	-	47.1	-4.8
01:00 PM - 02:00 PM	56.6	55.9	48.3	-	52.7	-4.4
02:00 PM - 03:00 PM	59.8	57.1	56.5	-	53.9	2.6
03:00 PM - 04:00 PM	60.3	57.5	57.1	-	54.4	2.7
04:00 PM - 05:00 PM	59.1	57.6	53.8	-	53.8	0.0
05:00 PM - 06:00 PM	49.8	49.2	40.9	-	46.8	-5.9
06:00 PM - 07:00 PM	52.4	51.5	45.1	-	49.8	-4.7
07:00 PM - 08:00 PM	50.7	50.8	n/a	-	48.9	-
08:00 PM - 09:00 PM	50.1	50.4	n/a	-	48.1	-
09:00 PM - 10:00 PM	48.8	48.3	39.2	-	46.5	-7.3
10:00 PM - 10:05 PM	48.7	48.1	-	n/a	46.8	-
10:05 PM - 10:10 PM	49.2	49.1	-	35.8	46.8	-11.0
10:10 PM - 10:15 PM	48.1	48.4	-	43.8	46.4	-2.6
10:15 PM - 10:20 PM	48.8	48.0	-	44.1	46.0	-1.9
10:20 PM - 10:25 PM	48.7	47.8	-	44.4	46.0	-1.6
10:25 PM - 10:30 PM	48.5	48.8	-	n/a	46.7	-
10:30 PM - 10:35 PM	49.1	49.8	-	n/a	47.0	-
10:35 PM - 10:40 PM	49.2	49.5	-	n/a	46.7	-
10:40 PM - 10:45 PM	49.9	49.6	-	41.1	46.7	-5.6
10:45 PM - 10:50 PM	49.6	49.6	-	n/a	46.8	-
10:50 PM - 10:55 PM	49.4	48.7	-	44.1	46.1	-2.0
10:55 PM - 11:00 PM	48.0	48.6	-	n/a	46.1	-
11:00 PM - 11:05 PM	48.1	48.3	-	n/a	45.7	-
11:05 PM - 11:10 PM	47.8	49.4	-	n/a	46.3	-
11:10 PM - 11:15 PM	48.2	48.8	-	n/a	46.0	-
11:15 PM - 11:20 PM	48.0	48.3	-	n/a	46.2	-
11:20 PM - 11:25 PM	48.0	49.0	-	n/a	45.9	-
11:25 PM - 11:30 PM	47.5	48.6	-	n/a	46.0	-
11:30 PM - 11:35 PM	49.4	47.9	-	47.1	45.6	1.5
11:35 PM - 11:40 PM	48.9	48.7	-	38.4	46.3	-
11:40 PM - 11:45 PM	49.5	47.8	-	47.5	46.4	1.2
11:45 PM - 11:50 PM	49.0	47.4	-	46.9	46.1	-0.9
11:50 PM - 11:55 PM	49.0	47.0	-	45.8	45.9	-0.1
11:55 PM - 12:00 AM	49.2	47.9	-	46.3	46.2	0.1
12:00 AM - 12:05 AM	48.2	47.7	-	41.6	46.2	-4.6
12:05 AM - 12:10 AM	48.1	47.6	-	41.5	46.0	-4.5
12:10 AM - 12:15 AM	47.8	47.7	-	39.4	46.3	-11.5
12:15 AM - 12:20 AM	48.0	47.7	-	39.2	46.2	-7.0



Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459197-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-26
Parameter : เสียงรบกวน
Location : ถนนสายสุขุม 5 ย่านแม่ลาสุทิม (ส.แม่ลาสุทิม) (N4) (GPS 47P 0744728, 1428916)
Measurement Date : Nov 20 - 21, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531295

Page 2 of 3

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน	ค่าเฉลี่ย	เสียงที่ฐาน	ค่าระดับเสียง
12:20 AM - 12:25 AM	48.2	47.7	-	41.6	46.2	-4.6
12:25 AM - 12:30 AM	47.8	47.3	-	41.2	45.7	-4.5
12:30 AM - 12:35 AM	48.3	48.0	-	45.7	45.4	0.3
12:35 AM - 12:40 AM	48.3	46.2	-	47.1	45.4	1.7
12:40 AM - 12:45 AM	49.5	47.4	-	48.3	45.5	2.8
12:45 AM - 12:50 AM	49.0	45.8	-	49.2	45.0	4.2
12:50 AM - 12:55 AM	48.9	46.2	-	48.6	45.0	3.6
12:55 AM - 01:00 AM	49.0	47.3	-	47.1	46.2	0.9
01:00 AM - 01:05 AM	48.7	47.5	-	45.5	46.8	-1.3
01:05 AM - 01:10 AM	48.0	48.2	-	47.8	47.8	0.0
01:10 AM - 01:15 AM	48.0	46.3	-	46.1	45.1	1.0
01:15 AM - 01:20 AM	48.4	45.8	-	47.9	44.8	3.1
01:20 AM - 01:25 AM	48.3	45.8	-	46.7	44.7	2.0
01:25 AM - 01:30 AM	48.8	47.1	-	46.9	45.5	1.4
01:30 AM - 01:35 AM	49.1	46.4	-	48.8	44.9	3.9
01:35 AM - 01:40 AM	47.3	45.0	-	46.4	44.1	2.3
01:40 AM - 01:45 AM	48.3	45.5	-	48.1	44.4	3.7
01:45 AM - 01:50 AM	48.7	45.8	-	48.6	44.8	3.8
01:50 AM - 01:55 AM	48.7	46.1	-	48.2	44.9	3.3
01:55 AM - 02:00 AM	48.4	46.4	-	47.1	45.3	1.8
02:00 AM - 02:05 AM	48.8	46.7	-	47.6	45.5	2.1
02:05 AM - 02:10 AM	47.2	44.7	-	46.6	43.1	3.5
02:10 AM - 02:15 AM	46.7	45.3	-	44.1	44.3	-0.2
02:15 AM - 02:20 AM	46.5	46.5	-	47.8	45.1	-
02:20 AM - 02:25 AM	46.8	47.1	-	47.8	45.4	-
02:25 AM - 02:30 AM	46.3	47.2	-	47.8	45.8	-
02:30 AM - 02:35 AM	47.2	47.2	-	47.8	46.0	-
02:35 AM - 02:40 AM	47.7	48.2	-	47.8	46.2	-
02:40 AM - 02:45 AM	48.7	47.9	-	44.0	46.3	-2.3
02:45 AM - 02:50 AM	48.6	47.6	-	44.7	46.6	-1.1
02:50 AM - 02:55 AM	49.0	47.7	-	46.1	46.2	-0.1
02:55 AM - 03:00 AM	50.3	49.7	-	44.4	47.3	-2.9
03:00 AM - 03:05 AM	51.5	48.8	-	51.2	46.8	4.4
03:05 AM - 03:10 AM	51.1	47.4	-	51.7	46.3	5.4
03:10 AM - 03:15 AM	49.2	48.2	-	45.3	46.8	-1.5
03:15 AM - 03:20 AM	49.8	48.4	-	47.2	46.9	0.3
03:20 AM - 03:25 AM	50.0	47.8	-	49.0	46.5	2.5
03:25 AM - 03:30 AM	50.6	49.4	-	47.4	46.9	0.5
03:30 AM - 03:35 AM	49.6	49.4	-	39.1	46.8	-7.7
03:35 AM - 03:40 AM	51.2	47.6	-	51.7	46.1	5.6

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Approved by

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Manager

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459197-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-26
Parameter : เสียงรบกวน
Location : ถนนสายสุขุม 5 ย่านแม่ลาสุทิม (ส.แม่ลาสุทิม) (N4) (GPS 47P 0744728, 1428916)
Measurement Date : Nov 20 - 21, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531295

Page 3 of 3

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน	ค่าเฉลี่ย	เสียงที่ฐาน	ค่าระดับเสียง
03:40 AM - 03:45 AM	47.6	47.5	-	34.2	46.0	-11.8
03:45 AM - 03:50 AM	49.2	48.1	-	45.7	46.7	-1.0
03:50 AM - 03:55 AM	49.6	48.5	-	46.1	46.3	-0.2
03:55 AM - 04:00 AM	49.0	47.5	-	46.7	46.2	0.5
04:00 AM - 04:05 AM	48.9	47.4	-	46.6	46.1	0.5
04:05 AM - 04:10 AM	49.3	47.3	-	48.0	46.2	1.8
04:10 AM - 04:15 AM	48.3	47.8	-	41.7	46.4	-4.7
04:15 AM - 04:20 AM	49.2	48.0	-	46.0	46.4	-0.4
04:20 AM - 04:25 AM	49.4	47.9	-	47.1	46.7	0.4
04:25 AM - 04:30 AM	49.5	48.5	-	45.6	46.7	-1.1
04:30 AM - 04:35 AM	50.0	48.0	-	48.7	46.6	2.1
04:35 AM - 04:40 AM	49.4	49.7	-	47.8	47.4	-0.4
04:40 AM - 04:45 AM	53.3	50.7	-	52.8	48.5	4.3
04:45 AM - 04:50 AM	52.3	51.4	-	48.0	49.2	-1.2
04:50 AM - 04:55 AM	53.7	52.0	-	51.8	49.4	2.4
04:55 AM - 05:00 AM	53.1	52.5	-	47.2	49.4	-2.2
05:00 AM - 05:05 AM	53.7	51.2	-	53.1	49.2	3.9
05:05 AM - 05:10 AM	52.7	51.6	-	49.2	48.7	0.5
05:10 AM - 05:15 AM	53.7	51.0	-	53.4	48.2	5.2
05:15 AM - 05:20 AM	52.8	51.4	-	50.2	48.8	1.4
05:20 AM - 05:25 AM	53.1	53.0	-	39.7	48.7	-9.0
05:25 AM - 05:30 AM	56.3	51.1	-	53.2	47.8	5.4
05:30 AM - 05:35 AM	53.2	49.1	-	54.1	46.7	7.4
05:35 AM - 05:40 AM	51.0	50.8	-	40.5	47.8	-7.3
05:40 AM - 05:45 AM	51.7	48.4	-	52.0	46.6	5.4
05:45 AM - 05:50 AM	50.4	49.8	-	44.5	47.9	-3.4
05:50 AM - 05:55 AM	51.6	59.7	-	47.3	48.5	-0.7
05:55 AM - 06:00 AM	52.5	51.6	-	48.2	48.7	-0.5
06:00 AM - 07:00 AM	55.6	53.3	51.7	-	50.2	1.5
07:00 AM - 08:00 AM	50.6	48.6	48.6	-	48.6	-
08:00 AM - 09:00 AM	58.4	56.0	54.7	-	53.4	1.3
09:00 AM - 10:00 AM	59.9	56.5	57.2	-	53.4	3.8
ค่าเฉลี่ยรวม	-	-	-	-	51.0	± 10

Reference Method :

- ISO 1996-1
- ประเทศไทยมาตรฐานการวัดและประเมินเสียงรบกวน (Sample No.2599080-26 วันตรวจวัด 20-21 พฤศจิกายน 2568)
- กฎกระทรวงกำหนดระดับเสียงรบกวนในการก่อสร้าง (ฉบับแก้ไข) พ.ศ. 2565

หมายเหตุ : ข้อมูลการตรวจการวัดเสียงรบกวนหน้าไซต์ ฉบับที่ 29 (พ.ศ.2550) เนื่องจากระดับเสียงรบกวน

Remark:

- ระดับเสียงจากแหล่งกำเนิด มีการตรวจวัด ณ วันที่ 20-21 พฤศจิกายน 2568
- ระดับเสียงที่ฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2599080-26 วันตรวจวัด 20-21 พฤศจิกายน 2568)
- กฎกระทรวงกำหนดระดับเสียงรบกวนในการก่อสร้าง (ฉบับแก้ไข) พ.ศ. 2565

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Approved by

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459198-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-27
Parameter : เสียงรบกวน
Location : ถนนสายสุขุม 5 ย่านแม่ลาสุทิม (ส.แม่ลาสุทิม) (N4) (GPS 47P 0744728, 1428916)
Measurement Date : Nov 21 - 22, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531295

Page 2 of 3

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน	ค่าเฉลี่ย	เสียงที่ฐาน	ค่าระดับเสียง
10:00 AM - 11:00 AM	59.3	56.8	55.7	-	54.0	1.7
11:00 AM - 12:00 PM	60.3	56.5	58.0	-	53.4	4.6
12:00 PM - 01:00 PM	53.5	50.7	50.3	-	47.1	3.2
01:00 PM - 02:00 PM	54.8	54.1	46.5	-	50.9	-4.4
02:00 PM - 03:00 PM	56.1	54.1	51.8	-	50.9	0.9
03:00 PM - 04:00 PM	55.7	54.4	49.8	-	51.7	-1.9
04:00 PM - 05:00 PM	57.1	54.7	53.4	-	51.8	1.6
05:00 PM - 06:00 PM	49.2	49.5	47.6	-	47.5	-
06:00 PM - 07:00 PM	52.1	51.3	43.2	-	50.1	-6.9
07:00 PM - 08:00 PM	51.5	50.7	43.6	-	49.2	-5.4
08:00 PM - 09:00 PM	52.4	51.0	46.8	-	49.2	-2.4
09:00 PM - 10:00 PM	49.8	49.2	40.9	-	47.8	-6.9
10:00 PM - 10:05 PM	49.5	48.7	44.8	-	47.4	-2.6
10:05 PM - 10:10 PM	49.1	48.4	43.8	-	47.2	-3.4
10:10 PM - 10:15 PM	50.0	49.1	45.7	-	47.8	-2.1
10:15 PM - 10:20 PM	49.7	49.4	40.9	-	47.8	-6.5
10:20 PM - 10:25 PM	48.9	49.6	45.1	-	48.0	-1.1
10:25 PM - 10:30 PM	48.3	49.8	47.8	-	48.1	-
10:30 PM - 10:35 PM	48.8	49.8	47.9	-	47.9	-
10:35 PM - 10:40 PM	48.5	49.7	45.9	-	47.9	-
10:40 PM - 10:45 PM	48.7	50.1	47.8	-	48.3	-
10:45 PM - 10:50 PM	48.6	50.0	48.2	-	48.2	-
10:50 PM - 10:55 PM	48.5	49.6	45.3	-	47.9	-
10:55 PM - 11:00 PM	48.3	49.4	47.6	-	47.6	-
11:00 PM - 11:05 PM	49.5	48.7	44.8	-	47.0	-2.2
11:05 PM - 11:10 PM	47.4	46.9	40.8	-	44.9	-3.8
11:10 PM - 11:15 PM	45.6	47.8	45.9	-	45.9	-
11:15 PM - 11:20 PM	45.8	47.3	46.1	-	45.8	-
11:20 PM - 11:25 PM	46.3	47.2	46.2	-	46.2	-
11:25 PM - 11:30 PM	46.1	47.2	45.3	-	45.3	-
11:30 PM - 11:35 PM	46.8	47.5	45.9	-	45.9	-
11:35 PM - 11:40 PM	47.9	47.0	43.6	-	45.2	-1.6
11:40 PM - 11:45 PM	48.3	47.1	45.1	0.0	45.1	0.0
11:45 PM - 11:50 PM	48.2	46.8	45.6	-	45.2	0.4
11:50 PM - 11:55 PM	47.9	47.0	43.2	-	45.3	-2.1
11:55 PM - 12:00 AM	47.8	46.1	45.9	-	44.8	1.1
12:00 AM - 12:05 AM	48.0	46.8	44.8	-	44.9	-0.1
12:05 AM - 12:10 AM	47.7	45.7	46.4	-	44.5	1.9
12:10 AM - 12:15 AM	47.4	45.2	46.4	-	44.2	2.2
12:15 AM - 12:20 AM	47.7	46.1	45.6	-	44.9	0.7

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459198-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-27
Parameter : เสียงรบกวน



Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459199-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-27
Parameter : เสียงรบกวน
Location : ถนนสาย 5 ผ่านแยกสี่กั๊ก (ส.แม่ห้า) (N4) (GPS 47P 0744728, 1428916)
Measurement Date : Nov 21 - 22, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531295

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนที่ไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงที่ปรากฏ	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	47.4	46.9	-	40.8	45.2	-4.4
03:45 AM - 03:50 AM	48.0	47.4	-	42.1	45.5	-3.4
03:50 AM - 03:55 AM	48.4	46.8	-	46.3	45.1	1.2
03:55 AM - 04:00 AM	47.6	47.0	-	41.7	45.2	-3.5
04:00 AM - 04:05 AM	48.4	47.6	-	43.7	45.4	-1.7
04:05 AM - 04:10 AM	47.8	46.9	-	43.5	45.5	-2.0
04:10 AM - 04:15 AM	47.1	46.3	-	42.4	45.1	-2.7
04:15 AM - 04:20 AM	46.7	46.1	-	40.8	44.9	-4.1
04:20 AM - 04:25 AM	47.2	46.4	-	42.5	44.9	-2.4
04:25 AM - 04:30 AM	46.8	46.1	-	42.4	45.0	-2.6
04:30 AM - 04:35 AM	46.9	46.7	-	38.4	45.2	-8.8
04:35 AM - 04:40 AM	47.4	46.8	-	41.5	45.5	-4.0
04:40 AM - 04:45 AM	48.0	46.3	-	46.1	45.3	0.8
04:45 AM - 04:50 AM	47.4	46.2	-	44.2	45.1	-0.9
04:50 AM - 04:55 AM	47.0	45.7	-	44.1	44.8	-0.7
04:55 AM - 05:00 AM	47.1	46.6	-	40.5	45.2	-4.7
05:00 AM - 05:05 AM	47.3	46.5	-	43.6	45.1	-2.3
05:05 AM - 05:10 AM	47.0	46.6	-	39.4	45.5	-6.1
05:10 AM - 05:15 AM	48.2	48.2	-	n/a	46.3	-
05:15 AM - 05:20 AM	49.8	48.4	-	47.2	46.0	0.6
05:20 AM - 05:25 AM	49.4	48.5	-	45.1	46.5	-1.4
05:25 AM - 05:30 AM	50.4	49.4	-	46.5	47.6	-1.1
05:30 AM - 05:35 AM	50.5	49.0	-	48.2	46.2	2.0
05:35 AM - 05:40 AM	48.4	46.8	-	46.3	45.8	0.5
05:40 AM - 05:45 AM	48.1	46.6	-	45.8	45.6	0.2
05:45 AM - 05:50 AM	48.5	46.5	-	47.2	45.5	1.7
05:50 AM - 05:55 AM	48.8	48.0	-	44.1	46.2	-2.1
05:55 AM - 06:00 AM	50.0	48.7	-	47.1	47.0	0.1
06:00 AM - 07:00 AM	48.7	47.7	41.8	-	46.3	-4.5
07:00 AM - 08:00 AM	49.4	46.9	n/a	-	46.8	-
08:00 AM - 09:00 AM	57.2	54.8	53.5	-	52.0	1.5
09:00 AM - 10:00 AM	58.6	55.5	55.7	-	52.8	2.9
ค่าเฉลี่ย						≤ 10

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ (เรื่อง วิธีการตรวจวัดระดับเสียงที่ปรากฏ ระดับเสียงของเสียงรบกวน การตรวจวัดค่าระดับเสียงของเสียงรบกวน การคำนวณค่าระดับเสียงรบกวน และแบบฝึกหัดการตรวจวัดเสียงรบกวน พ.ศ. 2565)

หมายเหตุ :
1. ระดับเสียงจากแหล่งกำเนิด มีการตรวจวัด วันที่ 21-22 พฤศจิกายน 2568
2. ระดับเสียงที่ปรากฏและระดับเสียงของเสียงรบกวน (Sample No.2599080-27) มีการตรวจวัด วันที่ 21-22 พฤศจิกายน 2568
3. ระบุ : ไม่สามารถตรวจระดับเสียงของเสียงรบกวนได้ เนื่องจากระดับเสียงจากแหล่งกำเนิดมีการตรวจวัดเสียงของเสียงรบกวน

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459199-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-28
Parameter : เสียงรบกวน
Location : ถนนสาย 5 ผ่านแยกสี่กั๊ก (ส.แม่ห้า) (N4) (GPS 47P 0744728, 1428916)
Measurement Date : Nov 22 - 23, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531295

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนที่ไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงที่ปรากฏ	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	61.2	57.3	58.9	-	54.3	4.6
11:00 AM - 12:00 PM	59.7	55.3	57.7	-	52.2	5.5
12:00 PM - 01:00 PM	52.2	49.9	48.3	-	46.5	1.8
01:00 PM - 02:00 PM	58.5	54.8	56.1	-	52.0	4.1
02:00 PM - 03:00 PM	58.8	56.5	54.9	-	53.1	1.8
03:00 PM - 04:00 PM	58.1	55.3	54.9	-	51.4	3.5
04:00 PM - 05:00 PM	58.8	54.9	56.5	-	51.6	4.9
05:00 PM - 06:00 PM	46.8	47.2	n/a	-	45.4	-
06:00 PM - 07:00 PM	54.2	52.8	48.6	-	51.6	-
07:00 PM - 08:00 PM	52.3	52.0	40.5	-	50.7	-10.2
08:00 PM - 09:00 PM	51.0	50.9	34.6	-	49.7	-15.1
09:00 PM - 10:00 PM	50.1	50.2	n/a	-	48.1	-
10:00 PM - 10:05 PM	50.4	49.1	-	47.5	46.4	1.1
10:05 PM - 10:10 PM	50.3	49.5	-	45.6	47.2	-1.6
10:10 PM - 10:15 PM	50.2	50.1	-	36.8	47.2	-10.4
10:15 PM - 10:20 PM	50.6	48.5	-	49.4	46.2	3.2
10:20 PM - 10:25 PM	50.6	47.3	-	50.9	46.2	4.7
10:25 PM - 10:30 PM	50.1	48.8	-	48.8	47.0	1.8
10:30 PM - 10:35 PM	50.0	48.5	-	47.7	46.7	1.0
10:35 PM - 10:40 PM	49.6	47.7	-	48.1	46.4	1.7
10:40 PM - 10:45 PM	49.4	48.3	-	45.9	47.1	-1.2
10:45 PM - 10:50 PM	49.4	47.2	-	48.4	45.6	2.8
10:50 PM - 10:55 PM	49.2	46.9	-	48.3	45.1	3.2
10:55 PM - 11:00 PM	49.3	52.6	-	n/a	45.4	-
11:00 PM - 11:05 PM	49.1	47.9	-	45.9	46.2	-0.3
11:05 PM - 11:10 PM	49.6	47.8	-	47.9	46.3	0.8
11:10 PM - 11:15 PM	49.4	47.9	-	47.1	46.3	0.8
11:15 PM - 11:20 PM	49.5	47.8	-	47.6	46.2	1.4
11:20 PM - 11:25 PM	50.2	47.7	-	49.6	46.4	3.2
11:25 PM - 11:30 PM	51.3	46.7	-	52.5	45.0	6.8
11:30 PM - 11:35 PM	49.3	46.8	-	48.7	45.7	3.0
11:35 PM - 11:40 PM	49.2	47.4	-	47.5	45.9	1.6
11:40 PM - 11:45 PM	49.7	49.2	-	49.2	45.6	3.6
11:45 PM - 11:50 PM	49.6	46.6	-	49.6	45.5	4.1
11:50 PM - 11:55 PM	49.5	46.5	-	49.5	45.0	4.5
11:55 PM - 12:00 AM	49.5	46.5	-	48.5	44.8	2.6
12:00 AM - 12:05 AM	49.2	47.3	-	47.3	45.7	1.6
12:05 AM - 12:10 AM	48.8	48.5	-	40.0	46.5	-5.0
12:10 AM - 12:15 AM	49.9	48.5	-	47.3	46.0	1.3
12:15 AM - 12:20 AM	49.6	49.0	-	43.7	46.4	-2.7

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LIFE SCIENCES

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459199-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-28
Parameter : เสียงรบกวน
Location : ถนนสาย 5 ผ่านแยกสี่กั๊ก (ส.แม่ห้า) (N4) (GPS 47P 0744728, 1428916)
Measurement Date : Nov 22 - 23, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531295

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนที่ไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงที่ปรากฏ	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
12:20 AM - 12:25 AM	49.6	47.8	-	47.9	46.0	1.9
12:25 AM - 12:30 AM	50.0	46.9	-	50.1	45.6	4.5
12:30 AM - 12:35 AM	49.6	47.6	-	48.3	45.8	2.5
12:35 AM - 12:40 AM	50.5	47.1	-	50.8	45.9	4.9
12:40 AM - 12:45 AM	50.1	46.8	-	50.4	45.7	4.7
12:45 AM - 12:50 AM	49.8	46.8	-	49.8	45.2	4.6
12:50 AM - 12:55 AM	49.5	46.6	-	48.6	45.6	2.8
12:55 AM - 01:00 AM	49.5	47.7	-	47.8	46.3	1.5
01:00 AM - 01:05 AM	49.8	47.1	-	49.5	45.6	3.9
01:05 AM - 01:10 AM	48.5	47.1	-	45.5	45.8	0.1
01:10 AM - 01:15 AM	47.3	46.6	-	42.0	45.3	-3.3
01:15 AM - 01:20 AM	48.0	46.5	-	45.7	45.5	0.2
01:20 AM - 01:25 AM	48.6	46.3	-	47.7	45.1	2.6
01:25 AM - 01:30 AM	48.4	45.9	-	47.8	44.6	3.2
01:30 AM - 01:35 AM	47.7	45.7	-	46.4	44.7	1.7
01:35 AM - 01:40 AM	47.3	45.6	-	45.4	44.6	0.8
01:40 AM - 01:45 AM	47.1	46.2	-	43.8	45.0	-2.2
01:45 AM - 01:50 AM	51.3	47.5	-	52.0	45.1	6.9
01:50 AM - 01:55 AM	51.5	47.4	-	52.4	45.6	6.8
01:55 AM - 02:00 AM	50.1	46.8	-	50.4	45.5	4.9
02:00 AM - 02:05 AM	49.2	46.2	-	49.2	45.2	4.0
02:05 AM - 02:10 AM	51.0	46.4	-	52.2	45.3	6.9
02:10 AM - 02:15 AM	51.5	46.3	-	51.9	45.1	7.8
02:15 AM - 02:20 AM	51.9	46.3	-	53.5	44.8	8.7
02:20 AM - 02:25 AM	51.6	46.7	-	52.9	45.1	7.8
02:25 AM - 02:30 AM	51.6	46.6	-	52.9	44.9	8.4
02:30 AM - 02:35 AM	52.5	46.4	-	54.3	44.0	10.3
02:35 AM - 02:40 AM	52.0	45.5	-	53.9	44.5	9.5
02:40 AM - 02:45 AM	52.0	45.2	-	54.0	44.3	9.7
02:45 AM - 02:50 AM	51.3	45.0	-	53.1	44.3	8.8
02:50 AM - 02:55 AM	51.3	44.9	-	53.2	44.2	9.0
02:55 AM - 03:00 AM	51.0	45.4	-	52.6	44.4	8.2
03:00 AM - 03:05 AM	52.0	45.6	-	53.9	44.5	8.2
03:05 AM - 03:10 AM	52.4	44.9	-	54.5	44.3	10.2
03:10 AM - 03:15 AM	52.5	44.6	-	54.7	43.8	10.9
03:15 AM - 03:20 AM	51.0	45.7	-	51.0	44.2	6.8
03:20 AM - 03:25 AM	49.9	45.2	-	51.1	44.2	6.9
03:25 AM - 03:30 AM	50.5	45.2	-	52.0	44.3	7.7
03:30 AM - 03:35 AM	50.7	45.6	-	52.1	44.5	7.6
03:35 AM - 03:40 AM	50.2	45.6	-	51.4	44.5	6.9

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Wilwan Borirak
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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459199-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-28
Parameter : เสียงรบกวน
Location : ถนนสาย 5 ผ่านแยกสี่กั๊ก (ส.แม่ห้า) (N4) (GPS 47P 0744728, 1428916)
Measurement Date : Nov 22 - 23, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531295



Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phakdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459200-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. 2599078-29
Parameter เสียงรบกวน
Location กรุงเทพมหานคร (ส.แม่ฟ้าหลวง) (NS) (GPS 47P 0744517, 1427788)
Measurement Date Nov 16 - 17, 2025
Measurement by Apichart Wilars
Sound Level Meter 531308

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางคืน	กลางวัน		
10:00 AM - 11:00 AM	47.1	48.4	n/a	-	44.2	-
11:00 AM - 12:00 PM	46.5	54.7	n/a	-	43.1	-
12:00 PM - 01:00 PM	42.3	44.2	n/a	-	40.7	-
01:00 PM - 02:00 PM	42.3	44.5	n/a	-	40.8	-
02:00 PM - 03:00 PM	41.8	42.4	n/a	-	39.5	-
03:00 PM - 04:00 PM	43.2	42.3	35.9	-	40.1	-4.2
04:00 PM - 05:00 PM	45.9	49.9	n/a	-	40.2	-
05:00 PM - 06:00 PM	45.8	47.8	n/a	-	41.9	-
06:00 PM - 07:00 PM	51.0	51.2	n/a	-	47.5	-
07:00 PM - 08:00 PM	49.5	50.4	n/a	-	47.5	-
08:00 PM - 09:00 PM	47.6	48.8	n/a	-	45.7	-
09:00 PM - 10:00 PM	45.7	44.9	38.0	-	42.9	-4.9
10:00 PM - 10:05 PM	47.0	42.1	48.3	-	41.4	6.9
10:05 PM - 10:10 PM	48.1	41.9	-	49.9	41.4	8.5
10:10 PM - 10:15 PM	46.0	42.2	-	46.7	41.3	5.4
10:15 PM - 10:20 PM	45.6	42.8	-	42.8	41.0	6.8
10:20 PM - 10:25 PM	47.0	42.3	-	48.2	41.0	7.2
10:25 PM - 10:30 PM	45.8	41.9	-	46.5	41.0	5.5
10:30 PM - 10:35 PM	46.1	41.5	-	47.3	40.8	6.5
10:35 PM - 10:40 PM	45.3	41.6	-	45.9	40.9	5.0
10:40 PM - 10:45 PM	44.8	41.7	-	44.9	41.0	3.9
10:45 PM - 10:50 PM	46.1	41.7	-	47.1	41.0	6.1
10:50 PM - 10:55 PM	45.1	41.7	-	45.6	41.1	4.3
10:55 PM - 11:00 PM	44.1	41.6	-	43.5	41.0	2.5
11:00 PM - 11:05 PM	45.4	41.4	-	46.2	40.9	5.3
11:05 PM - 11:10 PM	46.7	42.4	-	42.9	41.1	6.8
11:10 PM - 11:15 PM	47.2	41.9	-	45.9	41.2	7.5
11:15 PM - 11:20 PM	46.3	42.6	-	41.2	41.2	5.7
11:20 PM - 11:25 PM	45.6	42.0	-	46.1	41.1	5.0
11:25 PM - 11:30 PM	45.5	41.6	-	46.2	40.8	5.4
11:30 PM - 11:35 PM	45.1	42.2	-	45.0	41.3	3.7
11:35 PM - 11:40 PM	43.5	41.9	-	41.4	41.0	0.4
11:40 PM - 11:45 PM	43.3	41.7	-	40.9	41.0	0.3
11:45 PM - 11:50 PM	44.3	41.7	-	43.8	40.9	2.9
11:50 PM - 11:55 PM	44.6	41.7	-	44.5	40.8	3.7
11:55 PM - 12:00 AM	43.5	41.8	-	41.8	40.9	0.7
12:00 AM - 12:05 AM	44.4	42.4	-	43.4	41.2	1.9
12:05 AM - 12:10 AM	44.1	41.9	-	43.1	41.2	1.9
12:10 AM - 12:15 AM	43.9	42.4	-	41.6	41.4	0.2
12:15 AM - 12:20 AM	44.1	42.1	-	42.8	40.9	1.9

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phakdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459200-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. 2599078-29
Parameter เสียงรบกวน
Location กรุงเทพมหานคร (ส.แม่ฟ้าหลวง) (NS) (GPS 47P 0744517, 1427788)
Measurement Date Nov 16 - 17, 2025
Measurement by Apichart Wilars
Sound Level Meter 531308

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางคืน	กลางวัน		
03:40 AM - 03:45 AM	43.5	42.4	-	40.0	41.5	-1.5
03:45 AM - 03:50 AM	43.2	42.5	-	37.9	41.6	-3.7
03:50 AM - 03:55 AM	42.8	42.5	-	34.0	41.8	-7.8
03:55 AM - 04:00 AM	45.6	42.6	-	45.9	41.6	3.8
04:00 AM - 04:05 AM	46.0	42.1	-	46.7	41.4	5.3
04:05 AM - 04:10 AM	46.3	42.0	-	47.3	41.4	5.9
04:10 AM - 04:15 AM	46.1	42.3	-	46.8	41.6	5.2
04:15 AM - 04:20 AM	44.1	42.2	-	42.6	41.5	1.1
04:20 AM - 04:25 AM	44.6	42.6	-	43.3	41.6	1.7
04:25 AM - 04:30 AM	46.0	42.4	-	46.5	41.7	4.8
04:30 AM - 04:35 AM	46.6	42.6	-	47.4	41.8	5.6
04:35 AM - 04:40 AM	46.9	42.8	-	47.8	42.1	5.7
04:40 AM - 04:45 AM	43.9	43.7	-	33.4	42.5	-9.1
04:45 AM - 04:50 AM	43.3	43.1	-	32.8	42.3	-9.5
04:50 AM - 04:55 AM	43.0	43.2	-	n/a	42.6	-
04:55 AM - 05:00 AM	42.5	43.3	-	n/a	42.5	-
05:00 AM - 05:05 AM	43.7	43.7	-	n/a	42.9	-
05:05 AM - 05:10 AM	44.1	43.8	-	35.3	43.1	-7.8
05:10 AM - 05:15 AM	44.4	44.0	-	36.8	43.3	-6.5
05:15 AM - 05:20 AM	44.3	44.0	-	43.2	43.2	-7.7
05:20 AM - 05:25 AM	44.6	44.1	-	38.0	43.3	-5.3
05:25 AM - 05:30 AM	43.8	44.3	-	n/a	43.5	-
05:30 AM - 05:35 AM	44.7	44.4	-	35.9	43.4	-7.5
05:35 AM - 05:40 AM	46.8	44.1	-	n/a	43.4	-
05:40 AM - 05:45 AM	44.3	44.8	-	n/a	43.6	-
05:45 AM - 05:50 AM	63.7	49.5	-	66.5	44.4	22.1
05:50 AM - 05:55 AM	52.5	45.9	-	54.9	43.9	10.7
05:55 AM - 06:00 AM	46.4	46.7	-	n/a	44.4	-
06:00 AM - 07:00 PM	45.8	47.6	n/a	-	44.6	-
07:00 AM - 08:00 AM	44.3	50.7	n/a	-	42.3	-
08:00 AM - 09:00 AM	44.8	44.8	n/a	-	42.6	-
09:00 AM - 10:00 AM	46.4	48.0	n/a	-	44.3	-

ค่ามาตรฐาน

Reference Method :

1. ISO 1996-1

2. ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงขณะไม่มีการรบกวน การตรวจวัดเสียงขณะการรบกวนเสียงขณะมีการรบกวน การรายงานผลการตรวจการรบกวน และแบบบันทึกการตรวจวัดเสียงรบกวน พ.ศ. 2565

หมายเหตุ :

1. ตรวจวัดเสียงรบกวนค่าเฉลี่ย 29 (น.ค.2550) (ค่า ค่าเฉลี่ยเสียงรบกวน

2. ตรวจวัดเสียงรบกวนค่าเฉลี่ย 29 (น.ค.2550) (ค่า ค่าเฉลี่ยเสียงรบกวน

3. ตรวจวัดเสียงรบกวนค่าเฉลี่ย 29 (น.ค.2550) (ค่า ค่าเฉลี่ยเสียงรบกวน

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phakdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459200-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. 2599078-29
Parameter เสียงรบกวน
Location กรุงเทพมหานคร (ส.แม่ฟ้าหลวง) (NS) (GPS 47P 0744517, 1427788)
Measurement Date Nov 16 - 17, 2025
Measurement by Apichart Wilars
Sound Level Meter 531308

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางคืน	กลางวัน		
12:20 AM - 12:25 AM	44.0	41.8	-	43.0	41.1	1.9
12:25 AM - 12:30 AM	43.8	41.5	-	42.9	41.0	1.9
12:30 AM - 12:35 AM	44.3	42.6	-	42.4	41.4	1.0
12:35 AM - 12:40 AM	44.6	42.5	-	43.4	41.2	2.2
12:40 AM - 12:45 AM	44.1	42.2	-	42.6	41.2	1.4
12:45 AM - 12:50 AM	43.9	42.2	-	42.0	41.3	0.7
12:50 AM - 12:55 AM	44.3	42.4	-	42.8	41.4	1.4
12:55 AM - 01:00 AM	44.9	42.9	-	43.6	41.3	2.3
01:00 AM - 01:05 AM	44.2	41.8	-	43.5	41.0	2.5
01:05 AM - 01:10 AM	44.0	41.6	-	43.1	40.8	2.5
01:10 AM - 01:15 AM	43.5	41.8	-	41.5	41.0	0.6
01:15 AM - 01:20 AM	43.3	42.2	-	39.8	41.3	-1.5
01:20 AM - 01:25 AM	42.8	41.9	-	40.8	40.7	0.1
01:25 AM - 01:30 AM	43.1	41.2	-	41.0	40.6	1.0
01:30 AM - 01:35 AM	42.8	41.3	-	40.5	40.7	-0.2
01:35 AM - 01:40 AM	47.2	52.1	-	40.8	41.1	-
01:40 AM - 01:45 AM	44.0	42.8	-	40.8	41.3	-0.5
01:45 AM - 01:50 AM	43.7	42.8	-	39.4	41.2	-1.8
01:50 AM - 01:55 AM	43.4	42.1	-	40.5	40.9	-0.4
01:55 AM - 02:00 AM	43.1	41.5	-	41.0	40.8	0.2
02:00 AM - 02:05 AM	42.7	41.6	-	39.2	40.9	-1.7
02:05 AM - 02:10 AM	43.3	42.1	-	40.1	40.7	-0.6
02:10 AM - 02:15 AM	42.3	41.9	-	39.8	40.6	-1.0
02:15 AM - 02:20 AM	43.3	42.4	-	39.0	41.3	-2.3
02:20 AM - 02:25 AM	45.5	43.9	-	43.4	41.2	2.2
02:25 AM - 02:30 AM	43.1	42.5	-	37.2	41.1	-3.9
02:30 AM - 02:35 AM	42.9	42.5	-	35.3	41.2	-5.9
02:35 AM - 02:40 AM	42.3	41.2	-	38.8	40.5	-1.7
02:40 AM - 02:45 AM	42.3	40.7	-	40.2	40.2	0.0
02:45 AM - 02:50 AM	42.7	41.4	-	39.8	40.8	-1.0
02:50 AM - 02:55 AM	42.8	41.3	-	40.5	40.5	0.0
02:55 AM - 03:00 AM	43.0	41.0	-	41.7	40.5	1.2
03:00 AM - 03:05 AM	44.0	41.0	-	42.7	40.8	1.9
03:05 AM - 03:10 AM	43.3	43.5	-	n/a	40.4	-
03:10 AM - 03:15 AM	42.8	41.1	-	40.9	40.4	0.5
03:15 AM - 03:20 AM	42.8	42.0	-	38.1	41.1	-3.0
03:20 AM - 03:25 AM	42.4	41.9	-	35.8	41.1	-5.3
03:25 AM - 03:30 AM	42.7	42.1	-	36.8	41.2	-4.4
03:30 AM - 03:35 AM	43.4	43.9	-	n/a	41.9	-
03:35 AM - 03:40 AM	43.3	41.9	-	40.7	41.1	-0.4

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Wilawan Borik
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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-30
Parameter : เสียงรบกวน
Location : ถนนสายหลัก 1 อำเภอแม่จันทน์ (อ.แม่จันทน์) (NS) (GPS 47P 0744517, 1427788)
Measurement Date : Nov 17 - 18, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531308



TESTING
No 0042

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459201-1

Page 2 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงที่ปรากฏ	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
12:20 AM - 12:25 AM	45.1	50.6	-	0/0	41.3	-
12:25 AM - 12:30 AM	46.0	43.3	-	45.7	41.4	4.3
12:30 AM - 12:35 AM	45.7	42.3	-	46.0	41.4	4.4
12:35 AM - 12:40 AM	45.1	42.4	-	44.8	41.4	3.4
12:40 AM - 12:45 AM	45.3	42.8	-	44.7	41.2	3.5
12:45 AM - 12:50 AM	46.4	43.1	-	46.7	41.6	3.1
12:50 AM - 12:55 AM	45.8	42.5	-	45.8	41.9	4.7
12:55 AM - 01:00 AM	44.7	41.6	-	44.8	40.7	4.1
01:00 AM - 01:05 AM	44.3	41.8	-	43.7	40.9	2.8
01:05 AM - 01:10 AM	45.4	42.8	-	44.9	41.3	1.6
01:10 AM - 01:15 AM	45.5	43.0	-	44.9	40.9	4.0
01:15 AM - 01:20 AM	45.8	43.7	-	44.6	41.3	3.3
01:20 AM - 01:25 AM	45.5	43.7	-	43.8	41.0	2.8
01:25 AM - 01:30 AM	46.8	46.3	-	0/0	42.3	-
01:30 AM - 01:35 AM	46.9	44.4	-	46.3	41.9	4.4
01:35 AM - 01:40 AM	45.8	43.8	-	44.5	41.3	3.2
01:40 AM - 01:45 AM	45.6	43.4	-	44.6	41.6	3.9
01:45 AM - 01:50 AM	45.0	43.8	-	41.8	41.4	0.4
01:50 AM - 01:55 AM	44.7	44.5	-	34.2	41.7	-7.5
01:55 AM - 02:00 AM	45.0	44.5	-	38.4	41.0	-3.5
02:00 AM - 02:05 AM	45.0	46.3	-	0/0	42.0	-
02:05 AM - 02:10 AM	44.7	47.0	-	0/0	42.1	-
02:10 AM - 02:15 AM	45.4	47.5	-	0/0	42.1	-
02:15 AM - 02:20 AM	45.0	48.4	-	0/0	43.1	-
02:20 AM - 02:25 AM	46.1	48.8	-	0/0	43.8	-
02:25 AM - 02:30 AM	45.7	48.0	-	0/0	43.4	-
02:30 AM - 02:35 AM	44.5	46.8	-	0/0	41.9	-
02:35 AM - 02:40 AM	44.1	44.3	-	0/0	41.5	-
02:40 AM - 02:45 AM	44.2	43.8	-	36.6	41.3	-4.7
02:45 AM - 02:50 AM	44.9	41.8	-	45.0	41.8	4.4
02:50 AM - 02:55 AM	44.6	40.5	-	45.5	39.8	5.7
02:55 AM - 03:00 AM	44.6	40.2	-	45.6	39.2	5.9
03:00 AM - 03:05 AM	44.4	40.6	-	45.1	39.6	5.3
03:05 AM - 03:10 AM	43.1	40.9	-	42.1	40.0	2.1
03:10 AM - 03:15 AM	44.9	41.4	-	42.6	41.0	1.6
03:15 AM - 03:20 AM	45.1	43.7	-	42.5	42.6	-0.1
03:20 AM - 03:25 AM	43.6	41.8	-	41.9	40.5	-1.9
03:25 AM - 03:30 AM	44.1	42.8	-	41.2	41.4	-0.2
03:30 AM - 03:35 AM	44.4	43.2	-	41.2	41.0	0.2
03:35 AM - 03:40 AM	43.3	41.9	-	40.7	40.4	0.3

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Approved by

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-30
Parameter : เสียงรบกวน
Location : ถนนสายหลัก 1 อำเภอแม่จันทน์ (อ.แม่จันทน์) (NS) (GPS 47P 0744517, 1427788)
Measurement Date : Nov 17 - 18, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531308



TESTING
No 0042

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459201-1

Page 3 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงที่ปรากฏ	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	44.7	43.8	-	40.4	40.4	0.0
03:45 AM - 03:50 AM	44.5	41.8	-	44.2	40.6	3.6
03:50 AM - 03:55 AM	44.9	41.3	-	45.4	40.5	4.9
03:55 AM - 04:00 AM	44.7	41.0	-	45.3	40.0	5.3
04:00 AM - 04:05 AM	44.5	41.7	-	44.3	40.3	4.0
04:05 AM - 04:10 AM	43.9	41.3	-	43.4	40.1	3.3
04:10 AM - 04:15 AM	44.1	56.4	-	0/0	40.6	-
04:15 AM - 04:20 AM	42.9	44.1	-	0/0	40.6	-
04:20 AM - 04:25 AM	43.5	42.7	-	38.8	40.7	-1.9
04:25 AM - 04:30 AM	43.0	42.7	-	34.2	41.2	-7.1
04:30 AM - 04:35 AM	44.1	45.3	-	39.4	41.0	-1.6
04:35 AM - 04:40 AM	43.2	42.6	-	37.3	41.4	-4.1
04:40 AM - 04:45 AM	43.5	43.3	-	33.0	41.4	-8.4
04:45 AM - 04:50 AM	43.5	43.3	-	33.0	41.5	-8.5
04:50 AM - 04:55 AM	42.3	43.7	-	0/0	41.6	-
04:55 AM - 05:00 AM	42.9	52.1	-	0/0	41.7	-
05:00 AM - 05:05 AM	43.0	43.9	-	0/0	41.7	-
05:05 AM - 05:10 AM	44.0	47.9	-	0/0	42.6	-
05:10 AM - 05:15 AM	44.4	45.6	-	0/0	42.9	-
05:15 AM - 05:20 AM	43.7	46.2	-	0/0	43.2	-
05:20 AM - 05:25 AM	44.2	48.4	-	0/0	44.8	-
05:25 AM - 05:30 AM	43.9	47.1	-	0/0	44.2	-
05:30 AM - 05:35 AM	44.6	46.2	-	0/0	44.0	-
05:35 AM - 05:40 AM	44.6	46.4	-	0/0	44.0	-
05:40 AM - 05:45 AM	60.2	48.5	-	62.9	45.8	17.1
05:45 AM - 05:50 AM	65.3	50.1	-	68.2	47.0	21.2
05:50 AM - 05:55 AM	55.5	49.0	-	57.6	46.2	11.4
05:55 AM - 06:00 AM	44.8	47.4	-	0/0	46.2	-
06:00 AM - 07:00 AM	45.8	49.7	0/0	-	46.2	-
07:00 AM - 08:00 AM	45.5	49.2	0/0	-	46.2	-
08:00 AM - 09:00 AM	51.4	49.9	0/0	-	43.7	2.4
09:00 AM - 10:00 AM	47.1	48.5	0/0	-	45.5	-
ค่าเฉลี่ยรวม	-	-	-	-	-	≤ 10

Reference Method :

- ISO 1996-1
- ประเทศไทยมาตรฐานการวัดเสียงรบกวน (Sample No. 2599080-30 วันเสาร์ที่ 17-18 พฤศจิกายน 2568)
- กฎกระทรวงกำหนดระดับเสียงรบกวนการรบกวน (พ.ร.บ. 2565)

หมายเหตุ : ผลการตรวจการวัดเสียงรบกวนแห่งชาติ ฉบับที่ 29 (พ.ค.2550) (ดูว่า) สำหรับเสียงรบกวน

Remark:

- ระดับเสียงจากแหล่งกำเนิด มีการตรวจวัด วันที่ 17-18 พฤศจิกายน 2568
- ระดับเสียงที่ปรากฏและระดับเสียงขณะมีการรบกวน (Sample No. 2599080-30 วันเสาร์ที่ 17-18 พฤศจิกายน 2568)
- กฎกระทรวงกำหนดระดับเสียงรบกวนการรบกวน (พ.ร.บ. 2565) (ดูว่า) สำหรับเสียงรบกวน

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-31
Parameter : เสียงรบกวน
Location : ถนนสายหลัก 1 อำเภอแม่จันทน์ (อ.แม่จันทน์) (NS) (GPS 47P 0744517, 1427788)
Measurement Date : Nov 18 - 19, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531308



TESTING
No 0042

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459202-1

Page 1 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงที่ปรากฏ	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	46.6	46.2	36.0	-	43.7	-7.7
11:00 AM - 12:00 PM	53.7	47.5	52.5	-	43.1	9.4
12:00 PM - 01:00 PM	43.0	42.5	33.4	-	38.5	-5.1
01:00 PM - 02:00 PM	47.6	48.5	0/0	-	40.9	-
02:00 PM - 03:00 PM	43.3	43.6	0/0	-	41.0	-
03:00 PM - 04:00 PM	43.9	44.3	0/0	-	42.2	-
04:00 PM - 05:00 PM	45.2	46.9	0/0	-	43.8	-
05:00 PM - 06:00 PM	45.7	50.9	0/0	-	43.4	-
06:00 PM - 07:00 PM	48.0	47.5	38.4	-	45.4	-7.0
07:00 PM - 08:00 PM	48.9	49.8	0/0	-	45.1	-
08:00 PM - 09:00 PM	46.5	48.9	0/0	-	44.5	-
09:00 PM - 10:00 PM	45.8	46.9	0/0	-	43.3	-
10:00 PM - 10:05 PM	46.0	45.5	39.4	-	42.6	-3.2
10:05 PM - 10:10 PM	46.5	44.5	-	45.2	43.6	2.6
10:10 PM - 10:15 PM	46.0	44.2	-	44.3	42.2	2.1
10:15 PM - 10:20 PM	46.8	47.3	-	0/0	41.9	-
10:20 PM - 10:25 PM	45.2	45.0	-	34.7	41.6	-6.9
10:25 PM - 10:30 PM	45.5	45.4	-	32.1	41.7	-9.6
10:30 PM - 10:35 PM	45.0	43.2	-	43.3	41.5	1.8
10:35 PM - 10:40 PM	45.5	42.8	-	45.2	41.9	3.3
10:40 PM - 10:45 PM	45.5	42.9	-	45.0	42.1	2.9
10:45 PM - 10:50 PM	48.4	45.6	-	48.2	42.1	6.1
10:50 PM - 10:55 PM	46.3	45.2	-	41.8	41.6	1.2
10:55 PM - 11:00 PM	45.6	45.3	-	36.8	41.8	-5.0
11:00 PM - 11:05 PM	44.6	42.1	-	44.0	41.3	2.7
11:05 PM - 11:10 PM	44.1	42.1	-	43.8	41.3	1.4
11:10 PM - 11:15 PM	44.1	42.0	-	42.9	41.2	1.7
11:15 PM - 11:20 PM	44.1	42.5	-	42.0	41.2	0.8
11:20 PM - 11:25 PM	45.7	43.3	-	45.0	41.6	3.4
11:25 PM - 11:30 PM	44.7	43.2	-	42.4	41.6	0.8
11:30 PM - 11:35 PM	47.7	43.6	-	48.6	41.8	6.8
11:35 PM - 11:40 PM	47.8	44.1	-	48.4	41.9	6.5
11:40 PM - 11:45 PM	45.0	43.5	-	41.7	41.3	1.4
11:45 PM - 11:50 PM	44.6	44.1	-	38.0	42.2	-4.2
11:50 PM - 11:55 PM	45.2	45.6	-	0/0	42.9	-
11:55 PM - 12:00 AM	46.5	45.5	-	43.6	42.5	-1.0
12:00 AM - 12:05 AM	45.4	45.9	-	0/0	42.5	-
12:05 AM - 12:10 AM	44.4	45.8	-	0/0	42.6	-
12:10 AM - 12:15 AM	43.5	43.9	-	0/0	41.9	-
12:15 AM - 12:20 AM	43.3	44.1	-	0/0	42.5	-

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-31
Parameter : เสียงรบกวน
Location : ถนนสายหลัก 1 อำเภอแม่จันทน์ (อ.แม่จันทน์) (NS) (GPS 47P 0744517, 1427788)
Measurement Date : Nov 18 - 19, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531308



TESTING
No 0042

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459202-1

Page



Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459203-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-31
Parameter : เสียงรบกวน
Location : ถนนสาย 1 ผ่านแยกวัดป่า (อ.แม่จัน) (NS) (GPS 47P 0744517, 1427788)
Measurement Date : Nov 18 - 19, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531308

Page 1 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงจากไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงที่รบกวน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	41.8	44.0	-	n/a	43.2	-
03:45 AM - 03:50 AM	41.3	43.7	-	n/a	42.9	-
03:50 AM - 03:55 AM	40.8	43.3	-	n/a	42.5	-
03:55 AM - 04:00 AM	41.3	43.7	-	n/a	43.0	-
04:00 AM - 04:05 AM	41.9	43.5	-	n/a	42.5	-
04:05 AM - 04:10 AM	45.0	43.9	-	41.5	42.2	-0.7
04:10 AM - 04:15 AM	41.7	44.4	-	n/a	42.3	-
04:15 AM - 04:20 AM	46.6	48.5	-	n/a	43.7	-
04:20 AM - 04:25 AM	42.8	47.2	-	n/a	43.5	-
04:25 AM - 04:30 AM	42.3	47.7	-	n/a	43.6	-
04:30 AM - 04:35 AM	42.7	46.2	-	n/a	44.0	-
04:35 AM - 04:40 AM	42.9	45.3	-	n/a	43.6	-
04:40 AM - 04:45 AM	42.6	44.8	-	n/a	43.9	-
04:45 AM - 04:50 AM	43.2	46.6	-	n/a	44.2	-
04:50 AM - 04:55 AM	43.8	46.4	-	n/a	44.6	-
04:55 AM - 05:00 AM	44.1	46.7	-	n/a	44.9	-
05:00 AM - 05:05 AM	45.4	46.8	-	n/a	45.0	-
05:05 AM - 05:10 AM	45.4	48.2	-	n/a	45.3	-
05:10 AM - 05:15 AM	46.3	47.4	-	n/a	45.3	-
05:15 AM - 05:20 AM	46.3	47.7	-	n/a	45.7	-
05:20 AM - 05:25 AM	46.6	47.7	-	n/a	45.8	-
05:25 AM - 05:30 AM	47.3	48.3	-	n/a	46.4	-
05:30 AM - 05:35 AM	47.8	48.4	-	n/a	46.5	-
05:35 AM - 05:40 AM	47.6	48.2	-	n/a	46.5	-
05:40 AM - 05:45 AM	47.6	48.4	-	n/a	46.6	-
05:45 AM - 05:50 AM	47.3	51.0	-	n/a	47.0	-
05:50 AM - 05:55 AM	47.1	49.1	-	n/a	47.5	-
05:55 AM - 06:00 AM	48.2	49.3	-	n/a	47.6	-
06:00 AM - 07:00 AM	47.3	48.9	n/a	-	46.9	-
07:00 AM - 08:00 AM	49.6	50.3	n/a	-	45.6	-
08:00 AM - 09:00 AM	50.9	50.4	41.3	-	45.1	-3.8
09:00 AM - 10:00 AM	51.2	54.5	n/a	-	44.7	-

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ (ฉบับ) ว่าด้วยการวัดระดับเสียงที่รบกวน ระดับเสียงจากไม่มีการรบกวน การตรวจวัดค่าระดับเสียงของเสียงรบกวน การคำนวณระดับเสียงรบกวน และแบบฝึกหัดการตรวจวัดเสียงรบกวน พ.ศ. 2565

หมายเหตุ : ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 29 (พ.ศ.2550) เรื่อง ค่าระดับเสียงรบกวน

- Remark:
- ระดับเสียงจากแหล่งกำเนิด จากการตรวจวัด วันที่ 18-19 พฤศจิกายน 2568
 - ระดับเสียงที่รบกวนและระดับเสียงจากไม่มีการรบกวน (Sample No.2599080-31) จากการตรวจวัด วันที่ 18-19 พฤศจิกายน 2568
 - ทุกค่าที่ได้มาจากการคำนวณระดับเสียงรบกวนจากการตรวจวัด เนื่องจากระดับเสียงจากแหล่งกำเนิดและการคำนวณระดับเสียงจากไม่มีการรบกวน

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LIFE SCIENCES

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459203-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-32
Parameter : เสียงรบกวน
Location : ถนนสาย 1 ผ่านแยกวัดป่า (อ.แม่จัน) (NS) (GPS 47P 0744517, 1427788)
Measurement Date : Nov 19 - 20, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531308

Page 1 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงจากไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงที่รบกวน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	49.3	48.9	38.7	-	45.3	-6.6
11:00 AM - 12:00 PM	48.7	47.3	43.1	-	43.5	-0.4
12:00 PM - 01:00 PM	49.7	49.6	33.3	-	45.0	-11.7
01:00 PM - 02:00 PM	49.5	49.9	n/a	-	45.6	-
02:00 PM - 03:00 PM	49.5	48.8	41.2	-	44.6	-3.4
03:00 PM - 04:00 PM	47.6	44.4	44.8	-	42.1	-2.7
04:00 PM - 05:00 PM	45.2	44.5	36.9	-	42.1	-5.2
05:00 PM - 06:00 PM	46.1	45.9	32.6	-	42.2	-9.6
06:00 PM - 07:00 PM	49.6	47.9	44.7	-	45.5	-0.8
07:00 PM - 08:00 PM	49.7	50.2	n/a	-	47.1	-1.9
08:00 PM - 09:00 PM	48.2	48.7	n/a	-	44.8	-
09:00 PM - 10:00 PM	47.3	47.1	33.8	-	44.1	-10.3
10:00 PM - 10:05 PM	45.9	46.0	n/a	-	42.6	-
10:05 PM - 10:10 PM	45.5	44.3	-	42.3	43.0	-0.7
10:10 PM - 10:15 PM	46.0	43.4	-	45.5	42.1	3.4
10:15 PM - 10:20 PM	46.3	42.8	-	46.7	41.8	4.5
10:20 PM - 10:25 PM	45.3	42.9	-	44.6	41.7	2.9
10:25 PM - 10:30 PM	45.2	43.2	-	43.9	41.5	2.4
10:30 PM - 10:35 PM	45.4	42.9	-	44.8	41.9	2.9
10:35 PM - 10:40 PM	47.7	45.9	-	46.0	42.1	3.8
10:40 PM - 10:45 PM	45.0	43.9	-	41.5	41.6	-0.1
10:45 PM - 10:50 PM	44.3	42.9	-	43.0	41.3	1.7
10:50 PM - 10:55 PM	45.1	43.2	-	43.1	41.6	1.9
10:55 PM - 11:00 PM	46.0	44.3	-	44.1	42.5	1.6
11:00 PM - 11:05 PM	45.2	42.5	-	44.9	41.5	3.4
11:05 PM - 11:10 PM	44.9	42.8	-	43.4	41.8	1.6
11:10 PM - 11:15 PM	45.0	44.4	-	39.1	41.9	-2.8
11:15 PM - 11:20 PM	45.1	44.1	-	41.2	42.2	-1.0
11:20 PM - 11:25 PM	45.0	43.5	-	39.7	42.4	-2.7
11:25 PM - 11:30 PM	45.5	43.9	-	43.4	42.3	1.1
11:30 PM - 11:35 PM	45.0	42.5	-	44.4	41.6	2.8
11:35 PM - 11:40 PM	45.2	43.5	-	43.3	42.0	1.3
11:40 PM - 11:45 PM	45.8	44.5	-	43.5	42.7	0.8
11:45 PM - 11:50 PM	45.7	44.5	-	42.5	42.9	-0.4
11:50 PM - 11:55 PM	44.8	44.0	-	40.1	41.9	-1.8
11:55 PM - 12:00 PM	45.1	44.2	-	40.8	42.4	-1.3
12:00 AM - 12:05 AM	45.2	44.4	-	40.9	42.7	-1.8
12:05 AM - 12:10 AM	45.1	44.5	-	39.2	42.5	-3.3
12:10 AM - 12:15 AM	45.9	44.1	-	44.2	41.8	2.4
12:15 AM - 12:20 AM	45.9	44.8	-	42.4	41.7	0.7

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459203-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-32
Parameter : เสียงรบกวน
Location : ถนนสาย 1 ผ่านแยกวัดป่า (อ.แม่จัน) (NS) (GPS 47P 0744517, 1427788)
Measurement Date : Nov 19 - 20, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531308

Page 2 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงจากไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงที่รบกวน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
12:20 AM - 12:25 AM	46.6	45.3	-	43.7	41.7	2.0
12:25 AM - 12:30 AM	45.6	44.6	-	41.7	42.4	-0.7
12:30 AM - 12:35 AM	45.6	45.9	-	n/a	42.4	-
12:35 AM - 12:40 AM	45.4	45.9	-	n/a	43.0	-
12:40 AM - 12:45 AM	45.3	44.8	-	38.7	42.4	-3.7
12:45 AM - 12:50 AM	44.6	43.3	-	41.7	41.5	-0.1
12:50 AM - 12:55 AM	44.1	42.9	-	40.9	41.4	-0.5
12:55 AM - 01:00 AM	44.7	44.9	-	n/a	42.0	-
01:00 AM - 01:05 AM	44.3	43.8	-	37.7	41.7	-4.0
01:05 AM - 01:10 AM	44.8	44.1	-	39.5	41.2	-1.7
01:10 AM - 01:15 AM	44.9	43.1	-	43.2	40.8	2.4
01:15 AM - 01:20 AM	44.3	42.9	-	42.8	41.4	1.4
01:20 AM - 01:25 AM	44.1	42.9	-	40.9	41.3	-0.4
01:25 AM - 01:30 AM	43.9	42.5	-	41.3	41.0	0.3
01:30 AM - 01:35 AM	43.9	42.5	-	41.3	41.0	0.3
01:35 AM - 01:40 AM	43.8	43.1	-	38.3	41.4	-2.9
01:40 AM - 01:45 AM	44.0	46.3	-	n/a	41.4	-
01:45 AM - 01:50 AM	44.0	46.4	-	n/a	41.1	-
01:50 AM - 01:55 AM	44.0	42.7	-	41.1	40.8	0.3
01:55 AM - 02:00 AM	44.4	43.7	-	39.1	40.8	-1.7
02:00 AM - 02:05 AM	44.8	43.6	-	41.6	41.4	0.2
02:05 AM - 02:10 AM	43.7	42.9	-	42.9	41.4	-2.4
02:10 AM - 02:15 AM	44.5	44.6	-	n/a	41.5	-
02:15 AM - 02:20 AM	44.8	44.2	-	38.9	42.4	-3.5
02:20 AM - 02:25 AM	45.5	44.7	-	40.8	42.2	-1.4
02:25 AM - 02:30 AM	44.1	43.3	-	39.4	41.5	-2.1
02:30 AM - 02:35 AM	45.1	45.5	-	n/a	42.6	-
02:35 AM - 02:40 AM	45.4	45.7	-	n/a	43.7	-
02:40 AM - 02:45 AM	45.2	45.3	-	n/a	42.3	-
02:45 AM - 02:50 AM	44.8	44.3	-	38.2	42.7	-4.0
02:50 AM - 02:55 AM	44.6	44.7	-	n/a	42.3	-
02:55 AM - 03:00 AM	45.0	44.7	-	36.2	41.9	-5.7
03:00 AM - 03:05 AM	44.5	42.6	-	40.2	42.0	-1.8
03:05 AM - 03:10 AM	45.5	45.4	-	32.1	42.9	-10.8
03:10 AM - 03:15 AM	45.6	45.5	-	32.2	43.3	-11.1
03:15 AM - 03:20 AM	45.4	45.9	-	n/a	43.7	-
03:20 AM - 03:25 AM	45.7	46.4	-	n/a	44.7	-
03:25 AM - 03:30 AM	47.0	47.6	-	n/a	44.7	-
03:30 AM - 03:35 AM	46.1	47.9	-	n/a	44.8	-
03:35 AM - 03:40 AM	45.9	45.6	-	37.1	42.6	-5.5

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459203-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-32
Parameter : เสียงรบกวน
Location : ถนนสาย 1 ผ่านแยกวัดป่า (อ.แม่จัน) (NS) (GPS 47P 0744517, 1427788)
Measurement Date : Nov 19 - 20, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531308

Page 3 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงจากไม่มีการรบกวน	ระดับเสียง (dB(A))</
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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459204-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-33
Parameter : เสียงรบกวน
Location : กลุ่มบ้านหมู่ 1 บ้านแม่ลำตุ้ง (อ.แม่จาง) (N5) (GPS 47P 0744517, 1427788)
Measurement Date : Nov 20 - 21, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531308

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	46.7	46.5	33.2	-	43.0	-9.8
11:00 AM - 12:00 PM	45.3	44.0	39.4	-	42.0	-2.6
12:00 PM - 01:00 PM	44.3	46.2	n/a	-	40.8	-
01:00 PM - 02:00 PM	45.0	44.6	34.4	-	41.4	-7.0
02:00 PM - 03:00 PM	46.7	45.0	n/a	-	44.0	-
03:00 PM - 04:00 PM	45.2	45.0	31.7	-	42.6	-10.9
04:00 PM - 05:00 PM	46.9	45.4	41.6	-	42.8	-1.2
05:00 PM - 06:00 PM	45.9	44.8	39.4	-	42.5	-3.1
06:00 PM - 07:00 PM	48.9	47.0	44.4	-	44.4	0.0
07:00 PM - 08:00 PM	49.4	51.9	n/a	-	45.8	-
08:00 PM - 09:00 PM	45.8	46.9	n/a	-	42.8	-
09:00 PM - 10:00 PM	45.1	45.6	n/a	-	41.2	-
10:00 PM - 10:05 PM	45.0	43.5	-	42.7	41.4	1.3
10:05 PM - 10:10 PM	44.2	42.8	-	41.6	40.9	0.7
10:10 PM - 10:15 PM	43.5	42.3	-	40.3	40.3	0.0
10:15 PM - 10:20 PM	43.8	43.1	-	41.9	40.7	1.2
10:20 PM - 10:25 PM	43.5	41.3	-	42.5	40.5	2.0
10:25 PM - 10:30 PM	43.6	42.0	-	41.5	40.1	1.4
10:30 PM - 10:35 PM	44.0	36.9	-	n/a	40.3	-
10:35 PM - 10:40 PM	44.4	41.7	-	44.1	40.4	3.7
10:40 PM - 10:45 PM	44.7	41.2	-	45.1	40.4	4.7
10:45 PM - 10:50 PM	44.0	41.8	-	43.0	40.6	2.4
10:50 PM - 10:55 PM	43.8	41.4	-	43.1	40.5	2.6
10:55 PM - 11:00 PM	43.5	41.0	-	42.9	40.1	2.8
11:00 PM - 11:05 PM	42.9	40.9	-	41.6	39.9	1.7
11:05 PM - 11:10 PM	42.1	41.3	-	38.4	40.4	-2.0
11:10 PM - 11:15 PM	42.3	41.7	-	36.4	39.8	-3.4
11:15 PM - 11:20 PM	42.5	41.8	-	37.2	40.1	-2.9
11:20 PM - 11:25 PM	42.5	51.3	-	n/a	39.9	-
11:25 PM - 11:30 PM	42.8	40.9	-	41.9	39.7	2.7
11:30 PM - 11:35 PM	43.2	40.1	-	43.3	39.4	3.9
11:35 PM - 11:40 PM	43.4	40.6	-	43.2	39.8	3.4
11:40 PM - 11:45 PM	42.9	40.4	-	43.3	39.5	2.8
11:45 PM - 11:50 PM	42.6	41.4	-	39.4	39.9	-0.5
11:50 PM - 11:55 PM	43.8	41.7	-	43.2	40.4	2.8
11:55 PM - 12:00 AM	42.9	40.6	-	41.7	39.8	1.9
12:00 AM - 12:05 AM	42.9	41.1	-	41.2	39.6	1.4
12:05 AM - 12:10 AM	43.3	40.6	-	43.0	39.7	3.3
12:10 AM - 12:15 AM	43.1	40.9	-	42.1	39.8	2.3
12:15 AM - 12:20 AM	43.1	41.0	-	41.9	39.7	2.2

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-33
Parameter : เสียงรบกวน
Location : กลุ่มบ้านหมู่ 1 บ้านแม่ลำตุ้ง (อ.แม่จาง) (N5) (GPS 47P 0744517, 1427788)
Measurement Date : Nov 20 - 21, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531308

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
12:20 AM - 12:25 AM	43.0	41.2	-	41.3	40.0	1.3
12:25 AM - 12:30 AM	42.9	41.4	-	40.6	40.3	0.3
12:30 AM - 12:35 AM	44.0	41.2	-	43.8	40.2	3.6
12:35 AM - 12:40 AM	43.0	41.0	-	41.7	40.0	1.7
12:40 AM - 12:45 AM	44.0	41.8	-	43.0	40.3	2.7
12:45 AM - 12:50 AM	43.5	40.5	-	43.5	39.5	4.0
12:50 AM - 12:55 AM	43.5	39.7	-	44.2	38.9	4.3
12:55 AM - 01:00 AM	43.5	40.0	-	43.9	40.0	4.7
01:00 AM - 01:05 AM	43.5	40.2	-	43.8	39.2	4.6
01:05 AM - 01:10 AM	43.7	41.5	-	42.7	39.3	1.4
01:10 AM - 01:15 AM	43.5	40.6	-	40.6	39.3	1.3
01:15 AM - 01:20 AM	43.2	41.7	-	40.9	39.3	1.6
01:20 AM - 01:25 AM	43.0	40.3	-	42.7	39.2	2.5
01:25 AM - 01:30 AM	43.3	41.3	-	42.0	39.4	2.6
01:30 AM - 01:35 AM	43.3	40.8	-	42.7	39.7	3.0
01:35 AM - 01:40 AM	43.3	43.5	-	n/a	39.4	3.1
01:40 AM - 01:45 AM	43.5	41.3	-	42.5	39.9	2.6
01:45 AM - 01:50 AM	43.7	41.4	-	42.8	39.8	3.0
01:50 AM - 01:55 AM	43.4	48.3	-	n/a	39.5	-
01:55 AM - 02:00 AM	43.0	44.0	-	n/a	39.1	-
02:00 AM - 02:05 AM	43.2	40.2	-	43.2	39.3	3.9
02:05 AM - 02:10 AM	42.9	39.8	-	43.0	38.3	4.7
02:10 AM - 02:15 AM	43.2	39.8	-	43.2	38.4	5.1
02:15 AM - 02:20 AM	43.6	40.0	-	44.1	39.1	5.0
02:20 AM - 02:25 AM	43.8	40.6	-	44.0	39.4	4.6
02:25 AM - 02:30 AM	43.8	40.6	-	44.0	39.7	4.3
02:30 AM - 02:35 AM	43.9	40.7	-	44.0	39.6	4.3
02:35 AM - 02:40 AM	44.1	42.1	-	41.5	40.1	1.4
02:40 AM - 02:45 AM	44.0	41.2	-	43.8	40.0	3.8
02:45 AM - 02:50 AM	43.5	40.4	-	41.6	39.5	4.1
02:50 AM - 02:55 AM	44.0	40.0	-	44.3	39.5	4.8
02:55 AM - 03:00 AM	44.0	41.6	-	43.3	40.0	3.3
03:00 AM - 03:05 AM	44.1	41.5	-	43.6	40.0	4.1
03:05 AM - 03:10 AM	43.6	41.1	-	43.0	39.8	3.2
03:10 AM - 03:15 AM	45.0	41.6	-	42.4	40.2	2.2
03:15 AM - 03:20 AM	44.3	41.7	-	43.8	39.7	4.1
03:20 AM - 03:25 AM	43.9	42.9	-	40.0	40.0	0.0
03:25 AM - 03:30 AM	42.8	41.3	-	40.5	39.6	0.9
03:30 AM - 03:35 AM	42.4	41.7	-	37.7	40.0	-2.3
03:35 AM - 03:40 AM	41.0	40.6	-	33.4	39.2	-5.8

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Approved by

Witawan Borirak
Manager

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-33
Parameter : เสียงรบกวน
Location : กลุ่มบ้านหมู่ 1 บ้านแม่ลำตุ้ง (อ.แม่จาง) (N5) (GPS 47P 0744517, 1427788)
Measurement Date : Nov 20 - 21, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531308

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	40.5	40.7	-	n/a	39.6	-
03:45 AM - 03:50 AM	41.8	41.6	-	31.3	39.6	-8.3
03:50 AM - 03:55 AM	42.1	42.1	-	n/a	40.5	-
03:55 AM - 04:00 AM	43.1	42.2	-	38.8	40.3	-1.5
04:00 AM - 04:05 AM	42.6	42.1	-	36.0	40.8	-4.8
04:05 AM - 04:10 AM	42.4	43.3	-	n/a	40.8	-
04:10 AM - 04:15 AM	42.2	42.0	-	31.7	40.5	-8.8
04:15 AM - 04:20 AM	42.4	42.1	-	33.6	40.6	-7.0
04:20 AM - 04:25 AM	42.1	43.7	-	n/a	41.0	-
04:25 AM - 04:30 AM	42.3	42.5	-	n/a	40.3	-
04:30 AM - 04:35 AM	42.0	42.9	-	n/a	41.4	-
04:35 AM - 04:40 AM	41.1	43.0	-	n/a	40.7	-
04:40 AM - 04:45 AM	42.4	43.2	-	n/a	41.4	-
04:45 AM - 04:50 AM	43.6	44.0	-	42.0	42.0	-
04:50 AM - 04:55 AM	42.6	43.2	-	n/a	41.6	-
04:55 AM - 05:00 AM	44.6	44.9	-	43.5	43.5	-
05:00 AM - 05:05 AM	45.8	46.6	-	n/a	44.5	-
05:05 AM - 05:10 AM	45.3	46.6	-	n/a	44.3	-
05:10 AM - 05:15 AM	45.1	46.5	-	n/a	44.4	-
05:15 AM - 05:20 AM	45.6	46.7	-	n/a	44.2	-
05:20 AM - 05:25 AM	46.2	35.6	-	n/a	44.3	-
05:25 AM - 05:30 AM	45.5	48.1	-	n/a	45.4	-
05:30 AM - 05:35 AM	44.9	45.1	-	n/a	43.0	-
05:35 AM - 05:40 AM	44.4	45.2	-	n/a	43.9	-
05:40 AM - 05:45 AM	44.0	44.6	-	n/a	43.7	-
05:45 AM - 05:50 AM	44.4	45.1	-	n/a	43.6	-
05:50 AM - 05:55 AM	44.3	45.1	-	n/a	43.6	-
05:55 AM - 06:00 AM	45.7	46.6	-	n/a	44.5	-
06:00 AM - 07:00 AM	47.2	48.4	n/a	-	45.6	-
07:00 AM - 08:00 AM	47.9	50.0	n/a	-	44.9	-
08:00 AM - 09:00 AM	49.7	49.5	38.2	-	45.1	-8.9
09:00 AM - 10:00 AM	50.3	48.4	45.8	-	44.8	1.0

หมายเหตุ:

- ผลการวัดการรบกวนตามเกณฑ์เสียง (เสียง) มีการตรวจวัดเสียงพื้นฐาน ระดับเสียงขณะไม่มีการรบกวน การตรวจวัดค่าเฉลี่ยระดับเสียงขณะมีการรบกวน การคำนวณค่าเฉลี่ยการรบกวน และบันทึกผลการตรวจวัดเสียงตาม พ.ร.บ. 2565
- หมายเหตุ: การตรวจวัดการรบกวนตามเกณฑ์เสียง (เสียง) ฉบับที่ 29 (พ.ศ. 2550) (เสียง) การคำนวณการรบกวน
- ผลการคำนวณการรบกวนตามเกณฑ์เสียง (เสียง) ฉบับที่ 29 (พ.ศ. 2550) (เสียง) การคำนวณการรบกวน

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Witawan Borirak
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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-34
Parameter : เสียงรบกวน
Location : กลุ่มบ้านหมู่ 1 บ้านแม่ลำตุ้ง (อ.แม่จาง) (N5) (GPS 47P 0744517, 1427788)
Measurement Date : Nov 21 - 22, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531308

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	50.5	48.1	46.8	-	44.7	2.1
11:00 AM - 12:00 PM	49.1	47.0	44.9	-	43.4	1.5
12:00 PM - 01:00 PM	43.9	43.0	36.6	-	39.9	-3.3
01:00 PM - 02:00 PM	45.1	44.1	38.2	-	41.4	-3.2
02:00 PM - 03:00 PM	46.7	45.1	41.6	-	42.1	-0.5
03:00 PM - 04:00 PM	45.5	43.8	40.6	-	41.8	-1.2
04:00 PM - 05:00 PM	46.7	45.4	40.8	-	42.6	-1.8
05:00 PM - 06:00 PM	46.6	45.5	40.1	-	42.7	-2.6
06:00 PM - 07:00 PM	49.1	47.8	43.2	-	45.1	-1.9
07:00 PM - 08:00 PM	49.2	49.4	n/a	-	46.1	-
08:00 PM - 09:00 PM	45.5	47.1	n/a	-	43.0	-
09:00 PM - 10:00 PM	44.1	43.8	32.3	-	41.5	-9.2
10:00 PM - 10:05 PM	44.5	44.1	-	36.9	n/a	-4.9
10:05 PM - 10:10 PM	43.6	43.6	-	n/a	41.1	-
10:10 PM - 10:15 PM	43.8	43.9	-	n/a	41.4	-
10:15 PM - 10:20 PM	43.4	44.2	-	n/a	41.6	-
10:20 PM - 10:25 PM	43.0	43.6	-	n/a	41.8	-
10:25 PM - 10:30 PM	44.0	44.9	-	36.6	41.0	-10.4
10:30 PM - 10:35 PM	44.1	43.7	-	36.5	41.3	-4.8
10:35 PM - 10:40 PM	43.3	43.2	-	29.9	40.7	-10.8
10:40 PM - 10:45 PM	44.9	44.6	-	36.1	41.0	-4.0
10:45 PM - 10:50 PM	46.4	45.6	-	41.7	41.5	0.2
10:50 PM - 10:55 PM	47.5	44.3	-	47.7	41.4	6.3
10:55 PM - 11:00 PM	44.1	42.3	-	42.4	41.1	1.3
11:00 PM - 11:05 PM	44.2	42.5	42.5	42.3	41.1	1.2
11:05 PM - 11:10 PM	42.2	41.0	-	39.0	38.6	0.4
11:10 PM - 11:15 PM	41.5	43.7	-	n/a	38.6	-
11:15 PM - 11:20 PM	42.5	40.8	-	40.6	39.8	0.8
11:20 PM - 11:25 PM	42.3	40.8	40.0	40.0	39.7	0.0
11:25 PM - 11:30 PM	42.5	41.0	-	41.7	39.6	0.6
11:30 PM - 11:35 PM	43.6	41.9	-	40.2	40.0	1.7
11:35 PM - 11:40 PM	43.6	41.6	-	41.6	42.3	2.4
11:40 PM - 11:45 PM	43.1	41.0	-	41.9	39.6	2.3
11:45 PM - 11:50 PM	43.1	40.5	-	40.0	39.3	0.7
11:50 PM - 11:55 PM	44.8	43.3	-	42.5	39.6	2.9
11:55 PM - 12:00 AM	45.4	43.2	-	46.3	39.6	6.7
12:00 AM - 12:05 AM	43.0	41.1	-	41.5	39.5	2.0
12:05 AM - 12:10 AM	42.2	40.5	-	40.3	39.2	1.1
12:10 AM - 12:15 AM	42.0	40.6	-	39.4	39.4	0.0
12:15 AM - 12:20 AM	41.8	40.7	-	39.5	39.2	0.1



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-34
Parameter : เสียงรบกวน
Location : กลุ่มอาคาร 1 ย่านแหล่งอุตสาหกรรม (อ.แม่จาง) (N5) (GPS 47P 0744517, 1427788)
Measurement Date : Nov 21 - 22, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531308



TESTING
No. 0042

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459205-1

Page 2 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงพื้นฐาน	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
12:20 AM - 12:25 AM	42.5	41.2	-	39.6	39.7	-0.1
12:25 AM - 12:30 AM	42.1	40.3	-	40.4	39.3	1.1
12:30 AM - 12:35 AM	41.7	40.0	-	39.9	39.1	0.7
12:35 AM - 12:40 AM	42.1	40.5	-	40.0	39.4	0.6
12:40 AM - 12:45 AM	44.1	42.7	-	41.5	39.4	2.1
12:45 AM - 12:50 AM	41.3	39.8	-	39.0	38.5	0.5
12:50 AM - 12:55 AM	41.6	39.7	-	40.1	38.6	1.5
12:55 AM - 01:00 AM	41.7	40.0	-	39.8	38.8	1.0
01:00 AM - 01:05 AM	41.7	40.0	-	39.8	38.5	1.3
01:05 AM - 01:10 AM	43.6	41.5	-	42.4	39.1	3.3
01:10 AM - 01:15 AM	41.5	40.0	-	39.2	39.0	0.2
01:15 AM - 01:20 AM	41.7	40.0	-	39.8	39.0	0.8
01:20 AM - 01:25 AM	41.9	40.6	-	39.0	39.4	-0.4
01:25 AM - 01:30 AM	42.7	41.4	-	39.8	39.4	0.4
01:30 AM - 01:35 AM	42.8	43.5	-	0/0	39.6	-
01:35 AM - 01:40 AM	43.1	42.5	-	37.2	39.8	-2.6
01:40 AM - 01:45 AM	42.0	40.2	-	40.3	39.0	1.3
01:45 AM - 01:50 AM	44.3	42.3	-	43.0	39.4	3.6
01:50 AM - 01:55 AM	42.0	40.5	-	39.7	39.6	0.1
01:55 AM - 02:00 AM	41.7	40.7	-	37.8	39.6	-1.8
02:00 AM - 02:05 AM	42.5	41.5	-	38.6	39.6	-1.0
02:05 AM - 02:10 AM	41.2	40.3	-	0/0	39.5	-
02:10 AM - 02:15 AM	41.5	40.8	-	0/0	40.1	-
02:15 AM - 02:20 AM	41.7	44.7	-	0/0	39.1	-
02:20 AM - 02:25 AM	42.2	43.2	-	0/0	39.3	-
02:25 AM - 02:30 AM	41.6	41.3	-	32.8	39.3	-6.5
02:30 AM - 02:35 AM	42.7	45.0	-	0/0	38.9	-
02:35 AM - 02:40 AM	42.9	46.1	-	0/0	39.5	-
02:40 AM - 02:45 AM	45.6	43.2	-	44.9	39.5	5.4
02:45 AM - 02:50 AM	43.6	44.0	-	40.6	39.5	-1.1
02:50 AM - 02:55 AM	43.5	42.2	-	40.6	38.9	1.7
02:55 AM - 03:00 AM	41.9	42.1	-	0/0	39.2	-
03:00 AM - 03:05 AM	41.5	40.5	-	37.9	38.9	-1.3
03:05 AM - 03:10 AM	41.7	48.7	-	0/0	39.2	-
03:10 AM - 03:15 AM	41.3	45.7	-	0/0	39.4	-
03:15 AM - 03:20 AM	41.2	40.8	-	33.6	39.0	-5.4
03:20 AM - 03:25 AM	40.4	40.5	-	0/0	39.1	-
03:25 AM - 03:30 AM	42.6	42.0	-	36.7	39.2	-2.5
03:30 AM - 03:35 AM	40.6	41.1	-	0/0	38.9	-
03:35 AM - 03:40 AM	40.6	40.5	-	27.3	38.7	-11.5

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-34
Parameter : เสียงรบกวน
Location : กลุ่มอาคาร 1 ย่านแหล่งอุตสาหกรรม (อ.แม่จาง) (N5) (GPS 47P 0744517, 1427788)
Measurement Date : Nov 21 - 22, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531308



TESTING
No. 0042

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459205-1

Page 3 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงพื้นฐาน	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	47.6	42.8	-	48.9	38.9	10.0
03:45 AM - 03:50 AM	40.9	40.3	-	35.0	39.1	-4.1
03:50 AM - 03:55 AM	40.6	40.3	-	31.8	39.0	-2.2
03:55 AM - 04:00 AM	40.0	39.5	-	31.4	38.6	-5.2
04:00 AM - 04:05 AM	40.9	43.8	-	0/0	38.9	-
04:05 AM - 04:10 AM	40.2	41.3	-	0/0	39.2	-
04:10 AM - 04:15 AM	40.8	43.7	-	0/0	39.5	-
04:15 AM - 04:20 AM	41.6	42.7	-	0/0	40.0	-
04:20 AM - 04:25 AM	41.1	42.0	-	0/0	39.5	-
04:25 AM - 04:30 AM	41.1	40.2	-	0/0	40.4	-
04:30 AM - 04:35 AM	43.8	42.9	-	0/0	40.6	-1.1
04:35 AM - 04:40 AM	40.8	42.9	-	0/0	40.8	-
04:40 AM - 04:45 AM	41.0	42.7	-	0/0	40.6	-
04:45 AM - 04:50 AM	41.9	43.5	-	0/0	40.5	-
04:50 AM - 04:55 AM	40.0	43.1	-	0/0	40.4	-
04:55 AM - 05:00 AM	40.2	43.2	-	0/0	40.6	-
05:00 AM - 05:05 AM	40.5	43.4	-	0/0	41.0	-
05:05 AM - 05:10 AM	42.3	43.7	-	0/0	41.5	-
05:10 AM - 05:15 AM	41.6	43.9	-	0/0	41.0	-
05:15 AM - 05:20 AM	42.8	43.7	-	0/0	41.6	-
05:20 AM - 05:25 AM	42.7	44.1	-	0/0	41.8	-
05:25 AM - 05:30 AM	43.8	44.9	-	0/0	43.0	-
05:30 AM - 05:35 AM	44.8	45.6	-	0/0	42.5	-
05:35 AM - 05:40 AM	41.7	44.4	-	0/0	42.4	-
05:40 AM - 05:45 AM	43.2	44.9	-	0/0	42.3	-
05:45 AM - 05:50 AM	42.1	43.9	-	0/0	42.1	-
05:50 AM - 05:55 AM	42.1	44.5	-	0/0	42.5	-
05:55 AM - 06:00 AM	43.5	45.2	-	0/0	43.1	-
06:00 AM - 07:00 AM	44.0	47.9	0/0	-	42.1	-
07:00 AM - 08:00 AM	46.6	46.3	0/0	-	42.6	-
08:00 AM - 09:00 AM	51.2	50.2	44.3	-	43.3	1.0
09:00 AM - 10:00 AM	50.0	47.2	46.8	-	42.6	4.2

Reference Method :

- ISO 1996-1
- ประกาศกระทรวงมหาดไทย เรื่อง วิธีการตรวจวัดเสียงในชุมชน ระดับเสียงขณะไม่มีการรบกวน การตรวจวัดค่าระดับเสียงขณะไม่มีการรบกวน การคำนวณระดับเสียงการรบกวน และแบบบันทึกการตรวจวัดเสียงตาม พ.ร.บ. 2565

หมายเหตุ :

- ระดับเสียงจากแหล่งกำเนิด มีการตรวจวัด วันที่ 21-22 พฤศจิกายน 2568
- ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2599080-34) มีการตรวจวัด วันที่ 21-22 พฤศจิกายน 2568
- ค่าเฉลี่ยการรบกวนระดับเสียงขณะไม่มีการรบกวนได้ เนื่องจากค่าระดับเสียงขณะไม่มีการรบกวนค่าเฉลี่ยการรบกวน

หมายเหตุ :

- ระดับเสียงจากแหล่งกำเนิด มีการตรวจวัด วันที่ 21-22 พฤศจิกายน 2568
- ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2599080-34) มีการตรวจวัด วันที่ 21-22 พฤศจิกายน 2568
- ค่าเฉลี่ยการรบกวนระดับเสียงขณะไม่มีการรบกวนได้ เนื่องจากค่าระดับเสียงขณะไม่มีการรบกวนค่าเฉลี่ยการรบกวน

Approved by

Witwan Borirak
Manager

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459206-1

Page 3 of 3

Sample No. 2599078-35
Parameter เสียงรบกวน
Location บริเวณทาง 1 ผ่านลำน้ำอู้ง (อ.แม่จาง) (NS) (GPS 47P 0744517, 142788)
Measurement Date Nov 22 - 23, 2025
Measurement by Apichart Wilars
Sound Level Meter 531294

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน	เสียงที่ฐาน	ค่าเฉลี่ย	การรบกวน
03:40 AM - 03:45 AM	42.0	-	n/a	39.0	-	-
03:45 AM - 03:50 AM	43.1	38.8	-	44.1	38.0	6.1
03:50 AM - 03:55 AM	43.2	39.2	-	44.0	38.5	5.5
03:55 AM - 04:00 AM	42.9	39.5	-	43.2	38.5	4.7
04:00 AM - 04:05 AM	44.2	40.2	-	45.0	38.6	6.4
04:05 AM - 04:10 AM	42.9	40.2	-	42.6	38.9	3.7
04:10 AM - 04:15 AM	44.1	41.1	-	44.1	40.0	4.1
04:15 AM - 04:20 AM	44.2	40.8	-	44.5	39.5	5.0
04:20 AM - 04:25 AM	43.5	40.7	-	43.3	39.5	3.8
04:25 AM - 04:30 AM	44.6	41.7	-	44.5	39.8	4.7
04:30 AM - 04:35 AM	44.2	41.3	-	44.1	39.7	4.4
04:35 AM - 04:40 AM	44.9	42.3	-	44.4	40.3	4.1
04:40 AM - 04:45 AM	44.5	42.5	-	43.2	40.6	2.6
04:45 AM - 04:50 AM	45.1	42.9	-	44.1	41.3	2.8
04:50 AM - 04:55 AM	45.3	42.8	-	44.7	41.2	3.5
04:55 AM - 05:00 AM	44.3	43.8	-	37.7	40.9	-3.2
05:00 AM - 05:05 AM	45.1	43.8	-	42.2	40.9	1.3
05:05 AM - 05:10 AM	46.6	46.1	-	40.0	41.2	-1.2
05:10 AM - 05:15 AM	44.1	43.7	-	36.5	40.7	-4.2
05:15 AM - 05:20 AM	44.9	43.1	-	43.2	41.4	1.8
05:20 AM - 05:25 AM	45.3	44.3	-	41.4	41.5	-0.1
05:25 AM - 05:30 AM	44.4	43.0	-	41.8	41.4	0.4
05:30 AM - 05:35 AM	44.6	42.8	-	42.9	41.3	1.6
05:35 AM - 05:40 AM	47.4	44.4	-	47.4	42.0	5.4
05:40 AM - 05:45 AM	47.2	44.4	-	47.0	42.1	4.9
05:45 AM - 05:50 AM	44.9	44.6	-	36.1	42.8	-6.7
05:50 AM - 05:55 AM	50.7	46.4	-	63.5	42.2	20.3
05:55 AM - 06:00 AM	48.9	45.0	-	49.6	42.1	7.5
06:00 AM - 07:00 AM	44.2	47.1	n/a	-	42.4	-
07:00 AM - 08:00 AM	44.3	46.4	n/a	-	41.0	-
08:00 AM - 09:00 AM	43.4	45.4	n/a	-	40.4	-
09:00 AM - 10:00 AM	42.3	44.0	n/a	-	40.0	-

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงที่ฐาน ระดับเสียงขณะไม่มีการรบกวน การตรวจวัดค่าระดับเสียงขณะมีการรบกวน การคำนวณค่าระดับเสียงการรบกวน และแบบฝึกการตรวจวัดเสียงรบกวน พ.ศ. 2565

หมายเหตุ : อัตราค่าตรวจการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 29 (พ.ศ.2550) เรื่อง ค่าระดับเสียงรบกวน

- ระดับเสียงจากแหล่งกำเนิด จากการตรวจวัด วันที่ 22-23 พฤศจิกายน 2568
- ระดับเสียงที่ฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No. 2599080-35) ตรวจวัดวันที่ 22-23 พฤศจิกายน 2568
- ทุกค่าที่ได้มาจากการคำนวณระดับเสียงขณะมีการรบกวนได้ เนื่องจากระดับเสียงจากแหล่งกำเนิดและการคำนวณระดับเสียงขณะไม่มีการรบกวน

The above results are valid only for the analysed/checked sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wibab.

Wilawan Borirak
Manager

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459207-1

Page 3 of 3

Sample No. 2599078-36
Parameter เสียงรบกวน
Location บริเวณทางแยกสี่แยกโรจนาทางด้านทิศตะวันตกใกล้ชุมชนนาเกลือ (NE) (GPS 47P 0744953, 1428691)
Measurement Date Nov 16 - 17, 2025
Measurement by Apichart Wilars
Sound Level Meter 531294

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน	เสียงที่ฐาน	ค่าเฉลี่ย	การรบกวน
10:00 AM - 11:00 AM	47.6	47.3	35.8	-	44.5	-8.7
11:00 AM - 12:00 PM	49.6	49.4	36.1	-	45.8	-9.7
12:00 PM - 01:00 PM	51.6	50.2	46.0	-	46.1	-0.1
01:00 PM - 02:00 PM	51.4	51.9	n/a	-	46.9	-
02:00 PM - 03:00 PM	50.5	50.2	38.7	-	46.1	-7.4
03:00 PM - 04:00 PM	51.3	51.2	34.9	-	47.2	-12.3
04:00 PM - 05:00 PM	48.9	48.6	37.1	-	45.7	-8.6
05:00 PM - 06:00 PM	50.0	50.4	n/a	-	47.3	-
06:00 PM - 07:00 PM	57.5	58.6	n/a	-	54.2	-
07:00 PM - 08:00 PM	53.6	53.6	n/a	-	51.8	-
08:00 PM - 09:00 PM	55.4	55.4	n/a	-	51.3	-
09:00 PM - 10:00 PM	51.5	51.7	n/a	-	48.2	-
10:00 PM - 10:05 PM	50.0	49.2	-	45.3	47.3	-2.0
10:05 PM - 10:10 PM	52.1	54.9	-	n/a	49.3	-
10:10 PM - 10:15 PM	49.0	52.3	-	n/a	48.3	-
10:15 PM - 10:20 PM	46.4	48.2	-	n/a	45.7	-
10:20 PM - 10:25 PM	47.5	49.0	-	n/a	46.2	-
10:25 PM - 10:30 PM	47.2	49.4	-	n/a	47.0	-
10:30 PM - 10:35 PM	47.2	50.2	-	n/a	48.5	-
10:35 PM - 10:40 PM	48.4	50.8	-	n/a	49.3	-
10:40 PM - 10:45 PM	47.9	49.9	-	n/a	48.0	-
10:45 PM - 10:50 PM	47.4	49.9	-	n/a	47.9	-
10:50 PM - 10:55 PM	47.4	49.2	-	n/a	47.0	-
10:55 PM - 11:00 PM	49.4	50.0	-	n/a	47.1	-
11:00 PM - 11:05 PM	49.0	49.8	-	n/a	47.4	-
11:05 PM - 11:10 PM	49.0	49.3	-	n/a	46.3	-
11:10 PM - 11:15 PM	48.4	49.8	-	n/a	47.3	-
11:15 PM - 11:20 PM	48.3	50.2	-	n/a	47.9	-
11:20 PM - 11:25 PM	47.9	49.3	-	n/a	47.2	-
11:25 PM - 11:30 PM	47.9	49.3	-	n/a	47.8	-
11:30 PM - 11:35 PM	48.6	49.9	-	n/a	47.4	-
11:35 PM - 11:40 PM	47.8	49.8	-	n/a	47.3	-
11:40 PM - 11:45 PM	49.5	49.4	-	36.1	47.5	-11.4
11:45 PM - 11:50 PM	50.7	50.4	-	41.9	48.0	-6.1
11:50 PM - 11:55 PM	51.2	51.4	-	n/a	49.4	-
11:55 PM - 12:00 AM	51.8	52.0	-	52.1	49.6	2.5
12:00 AM - 12:05 AM	51.9	52.4	-	n/a	50.2	-
12:05 AM - 12:10 AM	51.8	51.5	-	43.0	49.5	-6.5
12:10 AM - 12:15 AM	50.8	51.9	-	n/a	49.6	-
12:15 AM - 12:20 AM	49.4	49.9	-	n/a	48.1	-

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Wilawan Borirak
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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459207-1

Page 2 of 3

Sample No. 2599078-36
Parameter เสียงรบกวน
Location บริเวณทางแยกสี่แยกโรจนาทางด้านทิศตะวันตกใกล้ชุมชนนาเกลือ (NE) (GPS 47P 0744953, 1428691)
Measurement Date Nov 16 - 17, 2025
Measurement by Apichart Wilars
Sound Level Meter 531294

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน	เสียงที่ฐาน	ค่าเฉลี่ย	การรบกวน
12:20 AM - 12:25 AM	48.6	49.3	-	n/a	47.7	-
12:25 AM - 12:30 AM	51.8	49.5	-	50.9	47.6	3.3
12:30 AM - 12:35 AM	55.1	54.6	-	53.8	49.9	3.9
12:35 AM - 12:40 AM	55.9	54.7	-	52.7	51.4	1.3
12:40 AM - 12:45 AM	53.5	55.1	-	n/a	52.0	-
12:45 AM - 12:50 AM	53.0	52.5	-	46.4	50.8	-4.4
12:50 AM - 12:55 AM	53.6	53.9	-	n/a	51.3	-
12:55 AM - 01:00 AM	51.4	53.6	-	n/a	51.3	-
01:00 AM - 01:05 AM	50.6	53.1	-	n/a	50.4	-
01:05 AM - 01:10 AM	50.7	52.9	-	n/a	50.7	-
01:10 AM - 01:15 AM	49.4	50.2	-	n/a	48.4	-
01:15 AM - 01:20 AM	49.4	49.3	-	36.0	48.5	-12.5
01:20 AM - 01:25 AM	50.3	49.2	-	46.8	47.5	-0.7
01:25 AM - 01:30 AM	51.2	50.3	-	46.9	48.1	-1.2
01:30 AM - 01:35 AM	50.9	52.6	-	n/a	51.4	-
01:35 AM - 01:40 AM	48.4	52.2	-	n/a	47.1	-
01:40 AM - 01:45 AM	48.3	46.7	-	46.2	45.8	0.4
01:45 AM - 01:50 AM	49.7	48.0	-	47.8	46.1	1.7
01:50 AM - 01:55 AM	49.7	48.1	-	47.6	46.7	0.9
01:55 AM - 02:00 AM	48.1	48.2	-	46.1	45.9	-0.2
02:00 AM - 02:05 AM	49.1	47.3	-	47.4	46.0	1.4
02:05 AM - 02:10 AM	49.8	51.2	-	n/a	49.7	-
02:10 AM - 02:15 AM	50.1	52.5	-	n/a	50.9	-
02:15 AM - 02:20 AM	51.4	53.1	-	n/a	51.0	-
02:20 AM - 02:25 AM	50.7	52.9	-	n/a	51.2	-
02:25 AM - 02:30 AM	50.5	51.3	-	n/a	49.8	-
02:30 AM - 02:35 AM	50.2	52.6	-	n/a	50.6	-
02:35 AM - 02:40 AM	49.7	52.2	-	n/a	51.2	-
02:40 AM - 02:45 AM	48.8	51.6	-	n/a	50.9	-
02:45 AM - 02:50 AM	48.3	51.4	-	n/a	50.8	-
02:50 AM - 02:55 AM	47.7	49.4	-	n/a	47.5	-
02:55 AM - 03:00 AM	47.1	47.1	-	n/a	46.2	-
03:00 AM - 03:05 AM	47.5	47.6	-	n/a	46.5	-
03:05 AM - 03:10 AM	47.2	47.5	-	n/a	46.4	-
03:10 AM - 03:15 AM	47.2	47.5	-	n/a	46.5	-
03:15 AM - 03:20 AM	47.9	47.1	-	43.2	45.8	-2.6
03:20 AM - 03:25 AM	48.8	49.0	-	n/a	47.8	-
03:25 AM - 03:30 AM	49.8	54.3	-	n/a	49.9	-
03:30 AM - 03:35 AM	51.0	54.9	-	n/a	53.9	-
03:35 AM - 03:40 AM	50.5	54.7	-	n/a	53.8	-

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Approved by

Wibab.

Wilawan Borirak
Manager

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459207-1

Page 3 of 3

Sample No. 2599078-36
Parameter เสียงรบกวน
Location บริเวณทางแยกสี่แยกโรจนาทางด้านทิศตะวันตกใกล้ชุมชนนาเกลือ (NE) (GPS 47P 0744953, 1428691)
Measurement Date Nov 16 - 17, 2025
Measurement by Apichart Wilars
Sound Level Meter 531294

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงที่ฐาน	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	50.6	51.7	-	n/a	48.6	-
03:45 AM - 03:50 AM	47.8	48.9	-	n/a	47.3	-
03:50 AM - 03:55 AM	48.3	48.4	-	n/a	46.2	-
03:55 AM - 04:00 AM	47.9	48.2	-	n/a	46.6	-
04:00 AM - 04:05 AM	47.6	47.2	-	40.0	45.8	-5.8
04:05 AM - 04:10 AM	46.6	47.1	-	n/a	44.7	-
04:10 AM - 04:15 AM	49.0	48.0	45.1	-	45.7	-0.6
04:15 AM - 04:20 AM	48.2	48.5	-	n/a	46.8	-
04:20 AM - 04:25 AM	48.4	49.1	-	n/a	47.1	-
04:25 AM - 04:30 AM	47.1	49.2	-	n/a	47.0	-
04:30 AM - 04:35 AM	46.5	49.1	-	n/a	45.9	-
04:35 AM - 04:40 AM	46.0	47.2	-	n/a	47.3	-
04:40 AM - 04:45 AM	46.2	46.9	-	n/a	45.2	-
04:45 AM - 04:50 AM	46.5	47.2	-	n/a	45.8	-
04:50 AM - 04:55 AM	46.0	47.5	-	n/a	45.8	-
04:55 AM - 05:00 AM	46.7	47.6	-	n/a	46.1	-
05:00 AM - 05:05 AM	47.9	49.1	-	n/a	45.8	-
05:05 AM - 05:10 AM	50.5	50.5	-	n/a	47.6	-
05:10 AM - 05:15 AM	48.0	50.3	-	n/a	47.7	-
05:15 AM - 05:20 AM	48.4	49.8	-	n/a	46.5	-
05:20 AM - 05:25 AM	48.6	48.8	-	n/a	46.3	-
05:25 AM - 05:30 AM	50.2	49.8	-	42.6	47.3	-4.7
05:30 AM - 05:35 AM	48.9	49.5	-	n/a	46.8	-
05:35 AM - 05:40 AM	47.6	48.4	-	n/a	45.9	-
05:40 AM - 05:45 AM	48.3	49.3	-	n/a	46.0	-
05:45 AM - 05:50 AM	47.3	49.8	-	n/a	46.4	-
05:50 AM - 05:55 AM	48.4	49.5	-	n/a	46.0	-
05:55 AM - 06:00 AM	47.1	49.4	-	n/a	45.4	-
06:00 AM - 07:00 AM	49.5	49.8	n/a	-	46.8	-
07:00 AM - 08:00 AM	50.3	49.8	40.7	-	47.4	-6.7
08:00 AM - 09:00 AM	51.3	51.3	n/a	-	48.8	-
09:00 AM - 10:00 AM	52.0	52.1	n/a	-	49.1	-



Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459208-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-37
Parameter : เสียงตามวัน
Location : บริเวณชุมชนพื้นที่โครงการส่วนพิเศษนอกใต้ชุมชนบางกอก (N6) (GPS 47P 0744953, 1428691)
Measurement Date : Nov 17 - 18, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531294

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	50.8	50.7	34.4	-	48.1	-13.7
11:00 AM - 12:00 PM	50.2	50.0	36.7	-	46.9	-10.2
12:00 PM - 01:00 PM	48.4	47.7	40.1	-	45.3	-5.2
01:00 PM - 02:00 PM	46.1	46.3	n/a	-	44.4	-
02:00 PM - 03:00 PM	46.3	46.4	n/a	-	44.5	-
03:00 PM - 04:00 PM	49.0	48.8	35.3	-	46.8	-11.3
04:00 PM - 05:00 PM	47.0	46.7	35.2	-	44.6	-9.8
05:00 PM - 06:00 PM	46.1	47.4	n/a	-	44.2	-
06:00 PM - 07:00 PM	52.0	55.9	n/a	-	52.9	-
07:00 PM - 08:00 PM	52.1	54.6	n/a	-	51.6	-
08:00 PM - 09:00 PM	48.9	56.2	n/a	-	52.0	-
09:00 PM - 10:00 PM	47.8	50.3	n/a	-	47.6	-
10:00 PM - 10:05 PM	50.0	53.4	-	n/a	51.6	-
10:05 PM - 10:10 PM	49.4	51.8	-	n/a	47.9	-
10:10 PM - 10:15 PM	48.3	51.0	-	n/a	47.8	-
10:15 PM - 10:20 PM	48.0	50.7	-	n/a	47.1	-
10:20 PM - 10:25 PM	49.6	54.5	-	n/a	47.4	-
10:25 PM - 10:30 PM	49.7	58.5	-	n/a	47.9	-
10:30 PM - 10:35 PM	49.5	50.6	-	n/a	47.3	-
10:35 PM - 10:40 PM	49.1	50.0	-	n/a	47.2	-
10:40 PM - 10:45 PM	49.0	49.0	-	n/a	46.8	-
10:45 PM - 10:50 PM	48.5	50.0	-	n/a	47.5	-
10:50 PM - 10:55 PM	48.7	51.5	-	n/a	48.5	-
10:55 PM - 11:00 PM	48.1	49.4	-	n/a	47.1	-
11:00 PM - 11:05 PM	47.6	49.1	-	n/a	46.7	-
11:05 PM - 11:10 PM	48.4	46.7	-	n/a	46.7	-
11:10 PM - 11:15 PM	47.2	50.4	-	n/a	47.2	-
11:15 PM - 11:20 PM	47.6	49.2	-	n/a	46.9	-
11:20 PM - 11:25 PM	47.2	49.2	-	n/a	46.7	-
11:25 PM - 11:30 PM	47.9	48.7	-	n/a	46.5	-
11:30 PM - 11:35 PM	48.9	51.8	-	n/a	47.8	-
11:35 PM - 11:40 PM	48.0	52.0	-	n/a	48.1	-
11:40 PM - 11:45 PM	48.5	50.5	-	n/a	47.8	-
11:45 PM - 11:50 PM	47.9	50.8	-	n/a	47.9	-
11:50 PM - 11:55 PM	48.1	51.5	-	n/a	48.4	-
11:55 PM - 12:00 AM	48.7	50.8	-	n/a	47.8	-
12:00 AM - 12:05 AM	49.1	50.5	-	n/a	48.0	-
12:05 AM - 12:10 AM	49.7	50.1	-	n/a	47.9	-
12:10 AM - 12:15 AM	50.6	51.3	-	n/a	48.5	-
12:15 AM - 12:20 AM	49.7	50.2	-	n/a	48.2	-

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Approved by

Wilaan Borik
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LIFE SCIENCES

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459208-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-37
Parameter : เสียงตามวัน
Location : บริเวณชุมชนพื้นที่โครงการส่วนพิเศษนอกใต้ชุมชนบางกอก (N6) (GPS 47P 0744953, 1428691)
Measurement Date : Nov 17 - 18, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531294

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
12:20 AM - 12:25 AM	49.9	50.7	-	n/a	48.5	-
12:25 AM - 12:30 AM	51.2	52.2	-	n/a	49.7	-
12:30 AM - 12:35 AM	48.9	52.1	-	n/a	48.9	-
12:35 AM - 12:40 AM	51.2	51.1	-	n/a	37.8	-10.1
12:40 AM - 12:45 AM	52.0	50.6	-	n/a	49.4	-
12:45 AM - 12:50 AM	50.7	50.8	-	n/a	48.4	-
12:50 AM - 12:55 AM	50.1	44.8	-	n/a	47.3	-2.5
12:55 AM - 01:00 AM	49.9	50.4	-	n/a	47.6	-
01:00 AM - 01:05 AM	48.7	49.8	-	n/a	47.3	-
01:05 AM - 01:10 AM	50.5	49.2	-	n/a	47.5	0.1
01:10 AM - 01:15 AM	50.3	57.6	-	n/a	48.3	-
01:15 AM - 01:20 AM	49.6	48.9	-	n/a	44.3	-2.8
01:20 AM - 01:25 AM	48.9	48.4	-	n/a	42.3	-4.3
01:25 AM - 01:30 AM	48.3	48.4	-	n/a	46.7	-
01:30 AM - 01:35 AM	48.8	46.8	-	n/a	47.5	1.8
01:35 AM - 01:40 AM	49.0	48.8	-	n/a	38.5	-8.0
01:40 AM - 01:45 AM	47.7	49.0	-	n/a	46.8	-
01:45 AM - 01:50 AM	47.0	47.9	-	n/a	46.4	-
01:50 AM - 01:55 AM	47.4	48.5	-	n/a	46.9	-
01:55 AM - 02:00 AM	47.7	49.5	-	n/a	46.6	-
02:00 AM - 02:05 AM	48.4	48.1	-	n/a	39.6	-6.6
02:05 AM - 02:10 AM	48.0	48.6	-	n/a	46.4	-
02:10 AM - 02:15 AM	48.7	48.7	-	n/a	46.4	-
02:15 AM - 02:20 AM	47.9	48.9	-	n/a	46.4	-
02:20 AM - 02:25 AM	47.5	48.7	-	n/a	46.6	-
02:25 AM - 02:30 AM	47.2	48.9	-	n/a	46.5	-
02:30 AM - 02:35 AM	47.2	47.3	-	n/a	46.1	-
02:35 AM - 02:40 AM	48.5	48.5	-	n/a	46.2	-
02:40 AM - 02:45 AM	48.7	48.6	-	n/a	46.2	0.3
02:45 AM - 02:50 AM	48.3	48.7	-	n/a	34.9	-11.0
02:50 AM - 02:55 AM	48.9	47.7	-	n/a	45.7	-0.7
02:55 AM - 03:00 AM	49.5	56.0	-	n/a	47.5	-
03:00 AM - 03:05 AM	49.5	48.5	-	n/a	45.5	-0.9
03:05 AM - 03:10 AM	47.9	48.6	-	n/a	46.4	-
03:10 AM - 03:15 AM	48.4	48.3	-	n/a	35.0	-11.1
03:15 AM - 03:20 AM	47.2	48.7	-	n/a	46.6	-
03:20 AM - 03:25 AM	45.9	47.4	-	n/a	45.3	-
03:25 AM - 03:30 AM	46.3	46.7	-	n/a	45.2	-
03:30 AM - 03:35 AM	46.4	46.5	-	n/a	45.1	-
03:35 AM - 03:40 AM	47.3	46.7	-	n/a	41.4	-3.7

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459208-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-37
Parameter : เสียงตามวัน
Location : บริเวณชุมชนพื้นที่โครงการส่วนพิเศษนอกใต้ชุมชนบางกอก (N6) (GPS 47P 0744953, 1428691)
Measurement Date : Nov 17 - 18, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531294

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	47.3	46.6	-	42.0	45.3	-3.3
03:45 AM - 03:50 AM	45.0	46.1	-	n/a	44.9	-
03:50 AM - 03:55 AM	45.2	45.6	-	n/a	44.7	-
03:55 AM - 04:00 AM	45.9	45.5	-	n/a	45.0	-
04:00 AM - 04:05 AM	46.1	49.0	-	n/a	44.3	-
04:05 AM - 04:10 AM	44.7	45.2	-	n/a	43.8	-
04:10 AM - 04:15 AM	45.4	44.4	-	n/a	43.4	-1.9
04:15 AM - 04:20 AM	46.0	45.1	-	41.7	44.1	-2.4
04:20 AM - 04:25 AM	45.7	45.8	-	n/a	44.8	-
04:25 AM - 04:30 AM	45.3	45.5	-	n/a	44.3	-
04:30 AM - 04:35 AM	44.9	45.7	-	n/a	44.3	-
04:35 AM - 04:40 AM	44.4	45.3	-	n/a	43.9	-
04:40 AM - 04:45 AM	44.4	45.3	-	n/a	44.1	-
04:45 AM - 04:50 AM	44.4	45.4	-	n/a	44.2	-
04:50 AM - 04:55 AM	44.5	45.6	-	n/a	44.3	-
04:55 AM - 05:00 AM	44.7	45.4	-	n/a	44.1	-
05:00 AM - 05:05 AM	45.1	45.6	-	n/a	44.4	-
05:05 AM - 05:10 AM	45.1	45.8	-	n/a	44.5	-
05:10 AM - 05:15 AM	45.0	46.0	-	n/a	44.6	-
05:15 AM - 05:20 AM	45.3	46.1	-	n/a	48.7	-
05:20 AM - 05:25 AM	45.7	46.7	-	n/a	44.9	-
05:25 AM - 05:30 AM	45.8	46.4	-	n/a	45.0	-
05:30 AM - 05:35 AM	44.9	45.7	-	n/a	43.8	-
05:35 AM - 05:40 AM	45.2	45.0	-	n/a	43.6	-8.9
05:40 AM - 05:45 AM	45.0	45.6	-	n/a	43.9	-
05:45 AM - 05:50 AM	47.3	46.3	-	43.4	44.3	-0.9
05:50 AM - 05:55 AM	46.0	46.3	-	n/a	45.0	-
05:55 AM - 06:00 AM	46.2	47.4	-	n/a	46.1	-
06:00 AM - 07:00 AM	48.3	48.3	n/a	-	46.9	-
07:00 AM - 08:00 AM	46.5	46.7	n/a	-	45.0	-
08:00 AM - 09:00 AM	49.4	49.1	37.6	-	47.0	-9.4
09:00 AM - 10:00 AM	51.9	51.8	35.5	-	48.4	-12.9

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดเสียงพื้นฐาน ระดับเสียงและมีการรบกวน การตรวจวัดตามค่ามาตรฐานเสียงของมีการรบกวน การคำนวณการรบกวน และแบบฉบับการตรวจวัดเสียงตาม พ.ศ. 2565
- หมายเหตุ : อัตราค่าตรวจวัดตามค่ามาตรฐานของค่าเฉลี่ย 20 (n, n+2550) (ค่า การคำนวณเสียงตามวัน)

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459208-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-38
Parameter : เสียงตามวัน
Location : บริเวณชุมชนพื้นที่โครงการส่วนพิเศษนอกใต้ชุมชนบางกอก (N6) (GPS 47P 0744953, 1428691)
Measurement Date : Nov 18 - 19, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531294

ค่าเฉลี่ย (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	49.9	50.0	n/a	-	47.5	-
11:00 AM - 12:00 PM	50.0	49.8	36.5	-	46.5	-10.0
12:00 PM - 01:00 PM	45.3	45.5	n/a	-	43.4	-
01:00 PM - 02:00 PM	47.9	48.1	n/a	-	44.9	-
02:00 PM - 03:00 PM	49.7	50.5	n/a	-	47.1	-
03:00 PM - 04:00 PM	48.9	49.6	n/a	-	46.9	-
04:00 PM - 05:00 PM	47.3	47.6	n/a	-	45.3	-
05:00 PM - 06:00 PM	46.4	46.3	30.0	-	44.6	-14.6
06:00 PM - 07:00 PM	50.9	52.5	n/a	-	50.9	-
07:00 PM - 08:00 PM	48.9	51.6	n/a	-	49.8	-
08:00 PM - 09:00 PM	48.6	50.8	n/a	-	48.7	-
09:00 PM - 10:00 PM	48.4	51.1	n/a	-	49.2	-
10:00 PM - 10:05 PM	49.7	51.6	n/a	-	49.4	-
10:05 PM - 10:10 PM	50.0	51.9	n/a	-	49.1	-
10:10 PM - 10:15 PM	48.8	51.5	n/a	-	49.1	-
10:15 PM - 10:20 PM	49.3	50.3	n/a	-	48.5	-
10:20 PM - 10:25 PM	49.1	49.1	n/a	-	48.0	-
10:25 PM - 10:30 PM	48.8	49.0	n/a	-	47.9	-
10:30 PM - 10:35 PM	48.8	48.4	-	41.2	47.4	-6.2
10:35 PM - 10:40 PM	48.7	48.8	-	n/a	47.3	-
10:40 PM - 10:45 PM	49.2	50.0	-	38.7	47.8	-9.1
10:45 PM - 10:50 PM	48.9	49.8	-	n/a	48.3	-
10:50 PM - 10:55 PM	49.8	50.5	-	n/a	49.6	-
10:55 PM - 11:00 PM	50.5	50.3	-	40.0	48.9	-8.9
11:00 PM - 11:05 PM	49.4	49.5	-	n/a	49.0	-
11:05 PM - 11:10 PM	48.4	49.4	-	n/a	48.2	-
11:10 PM - 11:15 PM	49.3	48.9	-	41.7	47.7	-6.0
11:15 PM - 11:20 PM	49.2	49.2	-	n/a	48.0	-
11:20 PM - 11:25 PM	49.6	49.7	-	n/a	48.2	-
11:25 PM - 11:30 PM	49.2	49.3	-	n/a	48.3	-
11:30 PM - 11:35 PM	50.0	49.4	-	44.1	48.1	-4.0
11:35 PM - 11:40 PM	51.3	51.8	-	46.2	49.1	-2.9
11:40 PM - 11:45 PM	52.4	51.7	-	47.1	49.3	-2.2
11:45 PM - 11:50 PM	50.4	51.6	-	n/a	49.6	-
11:50 PM - 11:55 PM	49.5	50.0	-	n/a	49.0	-
11:55 PM - 12:00 AM	50.9	49.5	-	51.2	49.5	-
12:00 AM - 12:05 AM	52.2	49.7	-	51.6	48.8	2.8
12:05 AM - 12:10 AM	54.8	54.3	-	48.2	50.8	-2.6
12:10 AM - 12:15 AM	52.4	52.1	-	43.6	49.4	-5.8
12:15 AM - 12:20 AM	50.7	52.5	-	n/a	50.1	-



Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459209-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599078-38
Parameter เสียงรบกวน
Location บริเวณขอบเขตพื้นที่โครงการด้านทิศตะวันตกใกล้ชุมชนบางกอก (N6) (GPS 47P 0744953, 1428691)
Measurement Date Nov 18 - 19, 2025
Measurement by Apichart Wilars
Sound Level Meter 531294

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน	เสียงที่ปรากฏ	ค่าเฉลี่ย	ค่าสูงสุด
12:20 AM - 12:25 AM	53.6	52.8	-	48.9	49.6	-0.7
12:25 AM - 12:30 AM	53.8	53.8	-	n/a	50.7	-
12:30 AM - 12:35 AM	51.5	52.5	-	n/a	50.4	-
12:35 AM - 12:40 AM	51.5	50.7	-	46.8	49.2	-2.4
12:40 AM - 12:45 AM	49.4	50.5	-	n/a	48.9	-
12:45 AM - 12:50 AM	49.7	50.2	-	n/a	49.1	-
12:50 AM - 12:55 AM	51.2	50.2	-	47.3	48.9	-1.6
12:55 AM - 01:00 AM	52.1	52.9	-	n/a	50.4	-
01:00 AM - 01:05 AM	52.3	52.1	-	41.8	50.5	-8.7
01:05 AM - 01:10 AM	51.2	52.8	-	n/a	50.7	-
01:10 AM - 01:15 AM	51.1	52.1	-	n/a	50.1	-
01:15 AM - 01:20 AM	49.6	50.8	-	n/a	48.8	-
01:20 AM - 01:25 AM	52.3	51.3	-	48.4	49.1	-0.7
01:25 AM - 01:30 AM	51.5	52.2	-	n/a	49.3	-
01:30 AM - 01:35 AM	51.5	51.9	-	n/a	50.2	-
01:35 AM - 01:40 AM	54.4	52.5	-	52.9	50.2	2.7
01:40 AM - 01:45 AM	52.5	54.5	-	n/a	48.6	-
01:45 AM - 01:50 AM	53.3	52.0	-	50.4	48.0	2.4
01:50 AM - 01:55 AM	52.6	54.7	-	n/a	48.2	-
01:55 AM - 02:00 AM	50.8	51.4	-	n/a	49.4	-
02:00 AM - 02:05 AM	55.4	52.0	-	55.7	50.4	5.3
02:05 AM - 02:10 AM	57.8	57.5	-	49.0	55.6	-6.6
02:10 AM - 02:15 AM	57.7	56.2	-	55.4	54.6	0.8
02:15 AM - 02:20 AM	59.1	58.1	-	55.2	56.6	-1.4
02:20 AM - 02:25 AM	55.8	57.3	-	n/a	54.2	-
02:25 AM - 02:30 AM	50.1	51.1	-	n/a	48.2	-
02:30 AM - 02:35 AM	48.9	49.6	-	40.1	46.5	-6.4
02:35 AM - 02:40 AM	48.7	49.2	-	n/a	46.7	-
02:40 AM - 02:45 AM	49.1	49.4	-	n/a	47.2	-
02:45 AM - 02:50 AM	47.0	47.9	-	n/a	46.1	-
02:50 AM - 02:55 AM	49.5	49.8	-	n/a	46.4	-
02:55 AM - 03:00 AM	49.5	48.5	-	45.6	46.4	-0.8
03:00 AM - 03:05 AM	51.1	50.5	-	47.2	47.4	-0.2
03:05 AM - 03:10 AM	48.3	50.1	-	n/a	47.2	-
03:10 AM - 03:15 AM	49.4	49.8	-	n/a	46.4	-
03:15 AM - 03:20 AM	47.7	47.5	-	37.2	45.8	-8.6
03:20 AM - 03:25 AM	47.8	46.4	-	45.2	45.3	-0.3
03:25 AM - 03:30 AM	47.6	46.4	-	44.4	45.0	-0.6
03:30 AM - 03:35 AM	47.5	46.2	-	44.6	45.0	-0.4
03:35 AM - 03:40 AM	47.1	46.7	-	39.5	45.3	-5.8

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459209-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample No. 2599078-38
Parameter เสียงรบกวน
Location บริเวณขอบเขตพื้นที่โครงการด้านทิศตะวันตกใกล้ชุมชนบางกอก (N6) (GPS 47P 0744953, 1428691)
Measurement Date Nov 18 - 19, 2025
Measurement by Apichart Wilars
Sound Level Meter 531294

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน	เสียงที่ปรากฏ	ค่าเฉลี่ย	ค่าสูงสุด
03:40 AM - 03:45 AM	47.9	46.8	-	44.4	45.1	-0.7
03:45 AM - 03:50 AM	54.3	53.8	-	47.7	46.2	1.5
03:50 AM - 03:55 AM	47.3	46.5	-	42.6	45.2	-2.6
03:55 AM - 04:00 AM	46.7	46.3	-	n/a	45.2	-
04:00 AM - 04:05 AM	45.9	45.8	-	32.5	44.6	-12.1
04:05 AM - 04:10 AM	46.0	46.2	-	n/a	44.7	-
04:10 AM - 04:15 AM	49.6	46.6	-	49.6	44.5	5.1
04:15 AM - 04:20 AM	46.4	50.2	-	n/a	45.2	-
04:20 AM - 04:25 AM	45.9	47.5	-	n/a	44.8	-
04:25 AM - 04:30 AM	47.4	47.4	-	n/a	45.1	-
04:30 AM - 04:35 AM	46.7	46.7	-	n/a	45.0	-
04:35 AM - 04:40 AM	46.6	46.8	-	36.1	44.8	-8.7
04:40 AM - 04:45 AM	47.1	47.4	-	n/a	45.6	-
04:45 AM - 04:50 AM	46.8	46.9	-	n/a	45.7	-
04:50 AM - 04:55 AM	47.3	48.0	-	n/a	46.3	-
04:55 AM - 05:00 AM	47.7	48.2	-	n/a	46.6	-
05:00 AM - 05:05 AM	47.4	47.6	-	n/a	46.1	-
05:05 AM - 05:10 AM	47.6	47.0	-	41.7	45.9	-4.2
05:10 AM - 05:15 AM	49.0	47.4	-	46.9	45.7	1.2
05:15 AM - 05:20 AM	48.1	48.0	-	34.7	46.5	-11.8
05:20 AM - 05:25 AM	46.9	47.5	-	n/a	45.9	-
05:25 AM - 05:30 AM	49.1	48.4	-	43.8	45.9	-2.1
05:30 AM - 05:35 AM	49.9	49.5	-	42.3	46.8	-4.3
05:35 AM - 05:40 AM	52.9	49.4	-	48.6	47.2	1.4
05:40 AM - 05:45 AM	54.7	52.3	-	54.0	48.9	5.1
05:45 AM - 05:50 AM	55.6	55.8	-	n/a	53.0	-
05:50 AM - 05:55 AM	54.3	54.2	-	40.9	51.2	-10.3
05:55 AM - 06:00 AM	54.8	54.6	-	44.3	51.8	-7.5
06:00 AM - 07:00 AM	57.3	56.9	46.7	-	54.4	-6.7
07:00 AM - 08:00 AM	58.6	58.5	42.2	-	53.7	-12.5
08:00 AM - 09:00 AM	61.3	61.2	44.9	-	56.4	-11.5
09:00 AM - 10:00 AM	61.6	61.9	n/a	-	56.7	-

Reference Method :

- ISO 1996-1
- ประเทศไทยมาตรฐานการวัดเสียงรบกวน (Sample No.2599078-38 วันตรวจวัด 18-19 พฤศจิกายน 2568)
- กฎกระทรวงกำหนดระดับเสียงรบกวนในการปฏิบัติงาน (ฉบับที่ 29 พ.ค.2550) เรื่อง ค่าระดับเสียงรบกวน

หมายเหตุ :

- ระดับเสียงจากแหล่งกำเนิด มีการตรวจวัด วันที่ 18-19 พฤศจิกายน 2568
- ระดับเสียงที่ปรากฏและระดับเสียงขณะไม่มีการรบกวน (Sample No.2599078-38 วันตรวจวัด 18-19 พฤศจิกายน 2568)
- กฎกระทรวงกำหนดระดับเสียงรบกวนในการปฏิบัติงาน (ฉบับที่ 29 พ.ค.2550) เรื่อง ค่าระดับเสียงรบกวน

หมายเหตุ :

- ระดับเสียงจากแหล่งกำเนิด มีการตรวจวัด วันที่ 18-19 พฤศจิกายน 2568
- ระดับเสียงที่ปรากฏและระดับเสียงขณะไม่มีการรบกวน (Sample No.2599078-38 วันตรวจวัด 18-19 พฤศจิกายน 2568)
- กฎกระทรวงกำหนดระดับเสียงรบกวนในการปฏิบัติงาน (ฉบับที่ 29 พ.ค.2550) เรื่อง ค่าระดับเสียงรบกวน

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459210-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599078-39
Parameter เสียงรบกวน
Location บริเวณขอบเขตพื้นที่โครงการด้านทิศตะวันตกใกล้ชุมชนบางกอก (N6) (GPS 47P 0744953, 1428691)
Measurement Date Nov 19 - 20, 2025
Measurement by Apichart Wilars
Sound Level Meter 531294

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน	เสียงที่ปรากฏ	ค่าเฉลี่ย	ค่าสูงสุด
10:00 AM - 11:00 AM	58.1	57.9	44.6	-	54.4	-9.8
11:00 AM - 12:00 PM	56.1	56.1	n/a	-	52.5	-
12:00 PM - 01:00 PM	56.7	56.7	n/a	-	51.0	-
01:00 PM - 02:00 PM	57.1	57.5	n/a	-	52.7	-
02:00 PM - 03:00 PM	54.0	54.9	n/a	-	51.4	-
03:00 PM - 04:00 PM	52.5	53.1	n/a	-	50.2	-
04:00 PM - 05:00 PM	51.1	51.3	n/a	-	48.7	-
05:00 PM - 06:00 PM	50.5	50.2	38.7	-	47.3	-8.6
06:00 PM - 07:00 PM	58.9	58.1	51.2	-	54.5	-3.3
07:00 PM - 08:00 PM	61.2	60.6	n/a	-	57.1	-
08:00 PM - 09:00 PM	60.5	60.7	n/a	-	56.1	-
09:00 PM - 10:00 PM	60.9	60.9	n/a	-	56.1	-
10:00 PM - 10:05 PM	55.8	55.0	51.1	-	51.4	-0.3
10:05 PM - 10:10 PM	51.7	53.0	-	n/a	50.2	-
10:10 PM - 10:15 PM	50.6	50.0	-	44.7	48.6	-3.9
10:15 PM - 10:20 PM	50.5	50.0	-	43.9	48.3	-4.4
10:20 PM - 10:25 PM	51.1	50.8	-	42.5	49.0	-6.7
10:25 PM - 10:30 PM	50.0	50.8	-	n/a	48.6	-
10:30 PM - 10:35 PM	50.1	50.2	-	n/a	48.4	-
10:35 PM - 10:40 PM	52.1	51.7	-	44.5	49.3	-5.0
10:40 PM - 10:45 PM	52.3	51.6	-	47.0	50.2	-3.2
10:45 PM - 10:50 PM	53.6	52.7	-	49.3	50.8	-1.5
10:50 PM - 10:55 PM	55.9	53.7	-	54.9	51.1	3.8
10:55 PM - 11:00 PM	54.1	55.2	-	n/a	51.4	-
11:00 PM - 11:05 PM	55.6	56.0	-	n/a	52.8	-
11:05 PM - 11:10 PM	56.3	55.7	-	50.4	52.7	-3.3
11:10 PM - 11:15 PM	55.1	54.6	-	48.5	51.1	-2.6
11:15 PM - 11:20 PM	55.5	55.7	-	n/a	52.5	-
11:20 PM - 11:25 PM	57.2	56.5	-	51.9	52.7	-0.8
11:25 PM - 11:30 PM	54.2	54.8	-	n/a	51.8	-
11:30 PM - 11:35 PM	56.3	54.5	-	54.6	52.8	2.8
11:35 PM - 11:40 PM	57.3	56.5	-	52.6	53.2	-0.6
11:40 PM - 11:45 PM	60.2	59.3	-	55.9	54.5	1.4
11:45 PM - 11:50 PM	58.9	58.5	-	51.3	53.7	-2.4
11:50 PM - 11:55 PM	61.0	60.6	-	53.4	54.8	-1.4
11:55 PM - 12:00 AM	61.7	59.5	-	60.7	56.5	5.2
12:00 AM - 12:05 AM	62.7	63.1	-	57.6	57.6	-
12:05 AM - 12:10 AM	58.3	58.9	-	n/a	54.9	-
12:10 AM - 12:15 AM	57.1	58.2	-	n/a	53.9	-
12:15 AM - 12:20 AM	57.2	56.6	-	51.3	52.6	-1.3

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459210-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599078-39
Parameter เสียงรบกวน
Location บริเวณขอบเขตพื้นที่โครงการด้านทิศตะวันตกใกล้ชุมชนบางกอก (N6) (GPS 47P 0744953, 1428691)
Measurement Date Nov 19 - 20, 2025
Measurement by Apichart Wilars
Sound Level Meter 531294

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน	เสียงที่ปรากฏ	ค่าเฉลี่ย	ค่าสูงสุด
12:20 AM - 12:25 AM	57.5	55.9	-	55.4	53.0	2.4



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-39
Parameter : เสียงรบกวน
Location : บ้านชุมชนหลังที่ 1 โรงกาส่วนที่ละแวกใกล้กับชุมชนนาเกลือ (N6) (GPS 47P 0744953, 1428691)
Measurement Date : Nov 20 - 21, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531294



TESTING
No. 0042

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459210-1

Page 3 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน ไม่มีการรบกวน	เสียงรบกวนที่มีการรบกวน		เสียงที่ฐาน	ค่าเฉลี่ย การรบกวน
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	54.2	50.1	-	55.1	48.3	6.8
03:45 AM - 03:50 AM	53.7	54.0	-	n/a	50.3	-
03:50 AM - 03:55 AM	54.3	52.0	-	53.4	49.0	4.4
03:55 AM - 04:00 AM	52.1	53.7	-	54.5	50.6	3.5
04:00 AM - 04:05 AM	51.5	53.6	-	n/a	47.7	-
04:05 AM - 04:10 AM	53.7	53.7	-	n/a	49.2	-
04:10 AM - 04:15 AM	55.1	53.8	-	52.2	49.8	2.8
04:15 AM - 04:20 AM	53.0	52.3	-	47.7	48.7	-1.0
04:20 AM - 04:25 AM	51.3	51.7	-	n/a	48.8	-
04:25 AM - 04:30 AM	49.0	46.5	-	41.3	46.4	-5.1
04:30 AM - 04:35 AM	52.5	50.7	-	50.8	46.9	3.8
04:35 AM - 04:40 AM	49.9	51.0	-	n/a	48.0	-
04:40 AM - 04:45 AM	49.3	48.3	-	45.4	45.8	-0.4
04:45 AM - 04:50 AM	53.5	51.0	-	52.9	45.6	7.1
04:50 AM - 04:55 AM	52.1	50.5	-	50.0	47.8	2.2
04:55 AM - 05:00 AM	55.3	54.2	-	51.8	50.8	1.0
05:00 AM - 05:05 AM	50.8	52.6	-	n/a	48.9	-
05:05 AM - 05:10 AM	49.2	48.6	-	43.3	46.2	-2.9
05:10 AM - 05:15 AM	49.4	48.1	-	46.5	45.8	0.7
05:15 AM - 05:20 AM	49.9	47.8	-	48.7	46.2	2.5
05:20 AM - 05:25 AM	50.0	49.6	-	42.4	46.4	-4.0
05:25 AM - 05:30 AM	51.1	51.7	-	n/a	46.9	-
05:30 AM - 05:35 AM	51.5	50.3	-	48.3	47.3	1.0
05:35 AM - 05:40 AM	50.4	50.3	-	47.0	47.6	-0.6
05:40 AM - 05:45 AM	49.6	49.1	-	43.0	46.9	-3.9
05:45 AM - 05:50 AM	49.9	48.9	-	46.0	45.7	0.3
05:50 AM - 05:55 AM	48.9	47.8	-	45.4	45.5	0.0
05:55 AM - 06:00 AM	48.5	47.9	-	42.6	46.2	-3.6
06:00 AM - 07:00 AM	49.9	49.2	41.6	-	46.6	-5.0
07:00 AM - 08:00 AM	51.6	50.6	-	-	47.7	-3.8
08:00 AM - 09:00 AM	54.0	53.3	45.7	-	50.0	-4.3
09:00 AM - 10:00 AM	57.4	56.2	51.2	-	53.3	-2.1
ค่าเฉลี่ยรวม						≤ 10

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ (ฉบับที่ 5) เรื่อง วิธีการตรวจวัดระดับเสียงที่ฐาน ระดับเสียงรบกวนไม่มีการรบกวน การตรวจวัดค่าระดับเสียงรบกวนที่มีการรบกวน การคำนวณค่าระดับเสียงรบกวน และการบันทึกผลการตรวจวัดเสียงรบกวน พ.ศ. 2565

หมายเหตุ : ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 29 (พ.ศ.2550) เรื่อง ค่าระดับเสียงรบกวน

- Remark:
- ระดับเสียงจากแหล่งกำเนิด มีการตรวจวัด วันที่ 19-20 พฤศจิกายน 2568
 - ระดับเสียงที่ฐานและระดับเสียงรบกวนไม่มีการรบกวน (Sample No.2599080-39) มีการตรวจวัด วันที่ 19-20 พฤศจิกายน 2568
 - ทุกค่าที่ได้มาจากการคำนวณระดับเสียงรบกวนที่มีการรบกวนได้ เนื่องจากค่าระดับเสียงจากแหล่งกำเนิดและการคำนวณระดับเสียงรบกวนไม่มีการรบกวน

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-40
Parameter : เสียงรบกวน
Location : บ้านชุมชนหลังที่ 1 โรงกาส่วนที่ละแวกใกล้กับชุมชนนาเกลือ (N6) (GPS 47P 0744953, 1428691)
Measurement Date : Nov 20 - 21, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531294



TESTING
No. 0042

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459211-1

Page 2 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน ไม่มีการรบกวน	เสียงรบกวนที่มีการรบกวน		เสียงที่ฐาน	ค่าเฉลี่ย การรบกวน
			กลางวัน	กลางคืน		
12:20 AM - 12:25 AM	51.3	50.4	-	47.0	48.1	-1.1
12:25 AM - 12:30 AM	50.5	49.5	-	46.6	48.3	-1.7
12:30 AM - 12:35 AM	50.8	49.8	-	46.9	48.0	-1.1
12:35 AM - 12:40 AM	51.1	50.5	-	45.2	49.2	-4.0
12:40 AM - 12:45 AM	49.7	50.6	-	n/a	48.5	-
12:45 AM - 12:50 AM	47.9	47.8	-	44.5	46.0	-1.5
12:50 AM - 12:55 AM	48.9	48.1	-	44.2	46.5	-2.3
12:55 AM - 01:00 AM	48.7	47.4	-	45.8	46.1	-0.3
01:00 AM - 01:05 AM	48.5	47.8	-	43.2	46.6	-3.4
01:05 AM - 01:10 AM	48.3	47.9	-	46.7	47.9	-5.5
01:10 AM - 01:15 AM	48.7	47.3	-	46.1	45.9	0.2
01:15 AM - 01:20 AM	47.7	47.1	-	41.8	45.4	-3.6
01:20 AM - 01:25 AM	47.9	46.1	-	46.2	44.9	1.3
01:25 AM - 01:30 AM	50.6	49.5	-	47.5	45.1	2.0
01:30 AM - 01:35 AM	48.4	47.4	-	44.5	46.0	-1.5
01:35 AM - 01:40 AM	46.9	45.1	-	42.2	44.4	-2.4
01:40 AM - 01:45 AM	47.5	46.6	-	43.2	45.3	-2.1
01:45 AM - 01:50 AM	48.5	47.2	-	45.6	46.0	-0.4
01:50 AM - 01:55 AM	48.2	47.4	-	43.5	45.6	-2.1
01:55 AM - 02:00 AM	48.0	47.2	-	41.3	45.0	-2.3
02:00 AM - 02:05 AM	48.7	47.9	-	44.0	46.2	-2.2
02:05 AM - 02:10 AM	45.0	46.2	-	n/a	42.4	-
02:10 AM - 02:15 AM	45.3	44.4	-	41.0	43.1	-2.1
02:15 AM - 02:20 AM	46.2	44.5	-	44.3	43.2	1.1
02:20 AM - 02:25 AM	47.5	45.5	-	46.2	44.2	2.0
02:25 AM - 02:30 AM	49.0	47.5	-	46.7	44.7	2.0
02:30 AM - 02:35 AM	50.4	49.5	-	46.1	46.6	-0.5
02:35 AM - 02:40 AM	50.5	49.8	-	45.2	48.0	-2.8
02:40 AM - 02:45 AM	51.3	50.9	-	43.7	48.5	-4.8
02:45 AM - 02:50 AM	51.0	50.3	-	45.7	48.4	-2.7
02:50 AM - 02:55 AM	55.8	52.8	-	55.8	49.7	6.1
02:55 AM - 03:00 AM	57.1	56.5	-	51.2	51.2	0.0
03:00 AM - 03:05 AM	56.1	55.9	-	45.6	45.6	-0.9
03:05 AM - 03:10 AM	56.2	55.0	-	53.0	51.7	1.3
03:10 AM - 03:15 AM	54.1	54.5	-	n/a	50.6	-
03:15 AM - 03:20 AM	52.3	51.7	-	57.8	50.9	6.9
03:20 AM - 03:25 AM	56.2	56.9	-	52.5	n/a	-
03:25 AM - 03:30 AM	56.9	54.6	-	56.0	49.7	6.3
03:30 AM - 03:35 AM	58.5	58.2	-	49.7	52.5	-2.8
03:35 AM - 03:40 AM	55.9	55.2	-	50.8	51.6	-1.8

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Approved by

Wilwan Borik

Wilwan Borik
Manager

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LIFE SCIENCES

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-40
Parameter : เสียงรบกวน
Location : บ้านชุมชนหลังที่ 1 โรงกาส่วนที่ละแวกใกล้กับชุมชนนาเกลือ (N6) (GPS 47P 0744953, 1428691)
Measurement Date : Nov 20 - 21, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531294



TESTING
No. 0042

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459211-1

Page 1 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน ไม่มีการรบกวน	เสียงรบกวนที่มีการรบกวน		เสียงที่ฐาน	ค่าเฉลี่ย การรบกวน
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	60.1	59.7	49.5	-	56.2	-6.7
11:00 AM - 12:00 PM	55.8	55.2	46.9	-	51.6	-4.7
12:00 PM - 01:00 PM	52.2	51.6	43.3	-	47.7	-4.4
01:00 PM - 02:00 PM	51.5	50.9	42.6	-	47.9	-5.3
02:00 PM - 03:00 PM	57.0	56.7	45.2	-	52.9	-2.7
03:00 PM - 04:00 PM	55.9	55.6	44.1	-	52.3	-0.7
04:00 PM - 05:00 PM	52.9	52.3	44.0	-	49.5	-5.5
05:00 PM - 06:00 PM	52.4	51.3	45.9	-	48.6	-2.7
06:00 PM - 07:00 PM	52.7	52.1	43.8	-	50.1	-6.1
07:00 PM - 08:00 PM	51.2	51.0	37.2	-	49.1	-11.4
08:00 PM - 09:00 PM	51.1	51.9	n/a	-	49.5	-
09:00 PM - 10:00 PM	50.0	50.1	n/a	-	47.9	-
10:00 PM - 10:05 PM	50.0	49.7	-	41.2	50.0	-6.1
10:05 PM - 10:10 PM	49.8	48.4	-	47.2	47.0	0.2
10:10 PM - 10:15 PM	49.7	48.2	-	47.4	46.9	0.5
10:15 PM - 10:20 PM	49.8	49.0	-	45.1	47.5	-2.4
10:20 PM - 10:25 PM	50.3	50.2	-	36.9	48.3	-11.4
10:25 PM - 10:30 PM	49.9	50.3	-	n/a	48.6	-
10:30 PM - 10:35 PM	49.2	49.5	-	n/a	47.7	-
10:35 PM - 10:40 PM	49.3	49.6	-	n/a	47.8	-
10:40 PM - 10:45 PM	49.0	49.0	-	n/a	47.0	-
10:45 PM - 10:50 PM	49.2	48.5	-	43.9	47.1	-3.2
10:50 PM - 10:55 PM	49.4	47.3	-	44.9	45.9	-1.8
10:55 PM - 11:00 PM	48.2	48.6	-	n/a	46.2	-
11:00 PM - 11:05 PM	48.1	48.2	-	n/a	46.1	-
11:05 PM - 11:10 PM	48.2	46.7	-	45.9	45.8	0.1
11:10 PM - 11:15 PM	48.4	46.8	-	46.3	45.8	0.6
11:15 PM - 11:20 PM	48.4	46.6	-	46.3	45.7	0.4
11:20 PM - 11:25 PM	48.2	46.7	-	45.9	45.7	0.2
11:25 PM - 11:30 PM	48.0	45.6	-	45.4	45.0	-0.1
11:30 PM - 11:35 PM	48.2	47.1	-	44.7	46.0	-1.3
11:35 PM - 11:40 PM	49.0	48.3	-	43.7	46.7	-3.0
11:40 PM - 11:45 PM	48.4	47.3	-	44.5	44.5	-1.8
11:45 PM - 11:50 PM	48.8	47.9	-	44.5	44.1	-1.9
11:50 PM - 11:55 PM	48.5	47.7	-	43.8	46.5	-2.7
11:55 PM - 12:00 AM	48.6	48.0	-	42.7	48.0	-4.7
12:00 AM - 12:05 AM	48.4	48.0	-	40.8	46.7	-5.9
12:05 AM - 12:10 AM	48.9	48.1	-	44.2	46.9	-2.7
12:10 AM - 12:15 AM	50.4	49.8	-	44.5	48.0	-3.5
12:15 AM - 12:20 AM	50.6	49.9	-	45.3	48.4	-3.1

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Analysis / Test Report



TESTING
No 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459212-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-41
Parameter : เสียงตาม
Location : บริเวณชุมชนซึ่งมีโครงการด้านที่พักใกล้ชุมชนบางกอก (N6) (GPS 47P 0744953, 1428691)
Measurement Date : Nov 21 - 22, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531294

Page 1 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	60.3	59.6	52.0	-	55.9	-3.9
11:00 AM - 12:00 PM	59.1	58.7	48.5	-	54.8	-6.3
12:00 PM - 01:00 PM	51.7	51.5	38.2	-	48.2	-10.0
01:00 PM - 02:00 PM	51.5	51.1	40.9	-	48.5	-7.6
02:00 PM - 03:00 PM	52.0	51.4	43.1	-	48.5	-5.4
03:00 PM - 04:00 PM	53.3	52.8	43.7	-	50.0	-6.3
04:00 PM - 05:00 PM	53.5	52.8	45.2	-	50.1	-5.9
05:00 PM - 06:00 PM	52.6	52.1	43.0	-	49.1	-6.1
06:00 PM - 07:00 PM	53.8	52.5	47.9	-	50.6	-2.7
07:00 PM - 08:00 PM	55.1	53.2	50.2	-	51.1	-0.5
08:00 PM - 09:00 PM	55.3	55.1	41.8	-	52.0	-10.2
09:00 PM - 10:00 PM	50.9	49.6	45.0	-	47.9	-2.9
10:00 PM - 10:05 PM	51.3	49.1	-	50.3	47.8	2.5
10:05 PM - 10:10 PM	49.7	50.6	-	0/0	48.5	-
10:10 PM - 10:15 PM	49.6	49.7	-	0/0	48.3	-
10:15 PM - 10:20 PM	50.1	49.9	-	39.9	48.2	-8.6
10:20 PM - 10:25 PM	50.0	49.3	-	44.7	47.6	-2.9
10:25 PM - 10:30 PM	49.5	48.7	-	44.8	47.0	-2.2
10:30 PM - 10:35 PM	49.9	47.9	-	48.6	46.6	2.0
10:35 PM - 10:40 PM	49.9	47.3	-	49.4	46.2	3.2
10:40 PM - 10:45 PM	49.2	47.4	-	47.5	46.2	1.3
10:45 PM - 10:50 PM	49.0	47.8	-	46.3	45.3	-0.5
10:50 PM - 10:55 PM	50.6	47.3	-	50.9	46.2	4.7
10:55 PM - 11:00 PM	51.5	47.4	-	52.4	46.0	6.4
11:00 PM - 11:05 PM	51.6	47.7	-	52.3	46.6	5.7
11:05 PM - 11:10 PM	49.6	46.6	-	48.3	42.2	2.8
11:10 PM - 11:15 PM	47.7	46.9	-	47.5	42.7	4.8
11:15 PM - 11:20 PM	50.2	46.5	-	50.8	45.0	5.8
11:20 PM - 11:25 PM	50.6	46.4	-	51.5	45.0	6.5
11:25 PM - 11:30 PM	50.3	47.4	-	50.2	46.4	3.8
11:30 PM - 11:35 PM	51.0	48.2	-	50.8	46.7	4.1
11:35 PM - 11:40 PM	51.1	47.1	-	51.9	46.3	5.6
11:40 PM - 11:45 PM	51.3	47.0	-	52.3	46.2	6.2
11:45 PM - 11:50 PM	51.0	47.0	-	51.8	46.2	5.6
11:50 PM - 11:55 PM	50.7	47.7	-	50.7	46.4	4.3
11:55 PM - 12:00 AM	50.8	46.6	-	51.5	46.1	4.6
12:00 AM - 12:05 AM	50.2	47.9	-	49.3	46.8	2.5
12:05 AM - 12:10 AM	49.6	47.8	-	47.9	46.2	1.2
12:10 AM - 12:15 AM	49.3	47.9	-	46.7	46.7	0.0
12:15 AM - 12:20 AM	48.7	47.6	-	45.2	46.7	-1.5

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Analysis / Test Report



TESTING
No 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-41
Parameter : เสียงตาม
Location : บริเวณชุมชนซึ่งมีโครงการด้านที่พักใกล้ชุมชนบางกอก (N6) (GPS 47P 0744953, 1428691)
Measurement Date : Nov 21 - 22, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531294

Page 2 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
12:20 AM - 12:25 AM	49.9	47.7	-	48.9	46.8	2.1
12:25 AM - 12:30 AM	50.4	47.6	-	50.2	46.9	3.3
12:30 AM - 12:35 AM	50.6	47.5	-	50.7	46.5	4.1
12:35 AM - 12:40 AM	49.7	47.7	-	48.4	46.8	1.6
12:40 AM - 12:45 AM	50.2	47.7	-	49.7	46.6	3.1
12:45 AM - 12:50 AM	49.6	47.3	-	48.7	46.2	2.5
12:50 AM - 12:55 AM	49.0	47.8	-	46.9	46.4	0.5
12:55 AM - 01:00 AM	50.1	47.7	-	49.9	46.1	3.8
01:00 AM - 01:05 AM	49.9	47.0	-	49.8	45.9	3.9
01:05 AM - 01:10 AM	50.2	47.2	-	50.1	46.1	4.0
01:10 AM - 01:15 AM	50.4	47.3	-	50.5	46.2	4.3
01:15 AM - 01:20 AM	49.9	47.5	-	49.2	46.5	2.7
01:20 AM - 01:25 AM	50.1	47.4	-	49.8	46.4	3.4
01:25 AM - 01:30 AM	49.9	47.7	-	49.6	46.3	3.3
01:30 AM - 01:35 AM	49.4	47.2	-	48.4	45.8	2.6
01:35 AM - 01:40 AM	49.2	46.8	-	48.5	46.1	2.4
01:40 AM - 01:45 AM	49.3	47.0	-	48.4	46.0	2.4
01:45 AM - 01:50 AM	49.6	46.7	-	49.5	45.7	3.8
01:50 AM - 01:55 AM	49.1	46.6	-	48.5	45.9	2.6
01:55 AM - 02:00 AM	49.5	47.1	-	49.8	46.1	2.7
02:00 AM - 02:05 AM	46.2	47.1	-	0/0	46.1	-
02:05 AM - 02:10 AM	45.9	46.5	-	0/0	45.8	-
02:10 AM - 02:15 AM	46.8	46.8	-	0/0	45.9	-
02:15 AM - 02:20 AM	46.5	46.6	-	0/0	45.8	-
02:20 AM - 02:25 AM	48.2	47.1	-	44.7	46.1	-1.4
02:25 AM - 02:30 AM	48.6	48.1	-	42.0	46.3	-4.3
02:30 AM - 02:35 AM	47.1	46.3	-	42.4	45.3	-2.9
02:35 AM - 02:40 AM	45.9	45.8	-	32.5	44.9	-12.4
02:40 AM - 02:45 AM	46.9	46.2	-	41.6	45.0	-3.4
02:45 AM - 02:50 AM	47.7	46.5	-	44.5	45.0	-2.5
02:50 AM - 02:55 AM	48.4	47.7	-	44.1	46.0	-1.9
02:55 AM - 03:00 AM	48.4	47.0	-	45.8	45.4	0.4
03:00 AM - 03:05 AM	47.9	46.2	-	46.0	45.1	1.2
03:05 AM - 03:10 AM	51.9	46.6	-	53.4	45.1	8.3
03:10 AM - 03:15 AM	49.5	51.8	-	0/0	45.8	-
03:15 AM - 03:20 AM	49.2	48.6	-	43.3	46.0	-2.7
03:20 AM - 03:25 AM	51.4	50.0	-	48.8	46.3	2.5
03:25 AM - 03:30 AM	49.2	48.7	-	42.6	46.3	-3.7
03:30 AM - 03:35 AM	50.1	48.7	-	46.9	46.8	0.1
03:35 AM - 03:40 AM	48.3	46.8	-	46.0	45.7	0.3

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Analysis / Test Report



TESTING
No 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-41
Parameter : เสียงตาม
Location : บริเวณชุมชนซึ่งมีโครงการด้านที่พักใกล้ชุมชนบางกอก (N6) (GPS 47P 0744953, 1428691)
Measurement Date : Nov 21 - 22, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531294

Page 3 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	48.6	46.0	-	48.1	44.7	3.4
03:45 AM - 03:50 AM	50.0	48.2	-	48.3	45.8	2.5
03:50 AM - 03:55 AM	48.6	46.7	-	0/0	46.8	-
03:55 AM - 04:00 AM	47.1	46.6	-	45.9	46.8	-4.9
04:00 AM - 04:05 AM	47.3	47.8	-	0/0	46.0	-
04:05 AM - 04:10 AM	48.3	47.7	-	42.4	45.6	-3.2
04:10 AM - 04:15 AM	48.1	46.8	-	44.7	45.7	3.5
04:15 AM - 04:20 AM	47.3	47.5	-	0/0	45.1	-
04:20 AM - 04:25 AM	46.5	46.1	-	38.9	45.2	-6.3
04:25 AM - 04:30 AM	47.7	47.4	-	47.4	46.0	-1.1
04:30 AM - 04:35 AM	48.6	48.8	-	47.0	45.4	-
04:35 AM - 04:40 AM	49.2	49.5	-	0/0	47.4	-
04:40 AM - 04:45 AM	45.8	47.4	-	0/0	45.3	-
04:45 AM - 04:50 AM	46.2	46.6	-	0/0	45.9	-
04:50 AM - 04:55 AM	45.6	45.8	-	0/0	44.7	-
04:55 AM - 05:00 AM	45.2	45.8	-	0/0	44.7	-
05:00 AM - 05:05 AM	45.7	45.6	-	32.3	44.1	-11.8
05:05 AM - 05:10 AM	46.4	46.1	-	37.6	44.5	-6.9
05:10 AM - 05:15 AM	51.1	48.8	-	50.2	46.0	4.2
05:15 AM - 05:20 AM	50.3	50.3	-	47.8	47.8	-
05:20 AM - 05:25 AM	51.7	50.5	-	48.5	47.8	0.7
05:25 AM - 05:30 AM	51.6	51.2	-	44.0	49.0	-5.0
05:30 AM - 05:35 AM	51.3	52.0	-	0/0	48.4	-
05:35 AM - 05:40 AM	48.3	48.7	-	46.0	46.0	-
05:40 AM - 05:45 AM	48.3	48.0	-	39.5	45.7	-6.2
05:45 AM - 05:50 AM	47.4	48.2	-	0/0	45.8	-
05:50 AM - 05:55 AM	50.3	49.1	-	47.1	46.4	0.7
05:55 AM - 06:00 AM	49.8	50.6	-	0/0	48.2	-
06:00 AM - 07:00 AM	48.3	48.5	-	0/0	46.5	-
07:00 AM - 08:00 AM	49.1	48.8	-	37.3	46.5	-9.3
08:00 AM - 09:00 AM	53.3	52.5	45.8	-	49.8	-4.2
09:00 PM - 10:00 AM	53.1	52.9	39.6	-	49.8	-10.2

Reference Method :

- ISO 1996-1
- ประกาศกระทรวงมหาดไทย เรื่อง วิธีการตรวจวัดเสียงสิ่งแวดล้อมขณะไม่มีการรบกวน การตรวจวัดเสียงค่าเฉลี่ยต่อเนื่องของการรบกวน การคำนวณค่าการรบกวน และแบบบันทึกการตรวจวัดเสียงตาม พ.ศ. 2565
- ประกาศกระทรวงมหาดไทย เรื่อง วิธีการตรวจวัดเสียงสิ่งแวดล้อมขณะไม่มีการรบกวน
- ประกาศกระทรวงมหาดไทย เรื่อง วิธีการตรวจวัดเสียงสิ่งแวดล้อมขณะไม่มีการรบกวน

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Analysis / Test Report



TESTING
No 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599078-42
Parameter : เสียงตาม
Location : บริเวณชุมชนซึ่งมีโครงการด้านที่พักใกล้ชุมชนบางกอก (N6) (GPS 47P 0744953, 1428691)
Measurement Date : Nov 22 - 23, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531294

Page 1 of 3

ชุมชนเมือง (GB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	53.9	53.3	45.0	-	50.2	-5.2
11:00 AM - 12:00 PM	53.5	53.1	42.9	-	49.7	-6.8
12:00 PM - 01:00 PM	51.6	50.4	45.4	-	45.9	-0.5
01:00 PM - 02:00 PM	52.5	52.0	42.9	-	48.8	-5.9
02:00 PM - 03:00 PM	52.4	51.8	38.5	-	49.0	-5.5
03:00 PM - 04:00 PM	50.7	50.0	41.6	n/a	47.6	-
04:00 PM - 05:00 PM	50.0	50.0	40.5	-	47.5	-0.9
05:00 PM - 06:00 PM	47.4	46.7	39.1	-	44.5	-5.4
06:00 PM - 07:00 PM	53.2	52.7	47.0	-	50.5	-0.6
07:00 PM - 08:00 PM	53.5	52.4	47.0	-	50.7	-3.7
08:00 PM - 09:00 PM	51.7	51.0	43.4	-	49.2	-5.8
09:00 PM - 10:00 PM	51.1	49.9	40.0	-	48.0	-2.2
10:00 PM - 10:05 PM	51.9	49.0	-	51.8	47.6	-4.2
10:05 PM - 10:10 PM	50.8	50.5	-	42.0	47.4	-5.4
10:10 PM - 10:15 PM	50.3	48.6	-	47.4	47.2	-1.2
10:15 PM - 10:20 PM	50.3	48.9	-	47.7	47.4	-0.3
10:20 PM - 10:25 PM	49.9	48.5	-	47.3	46.8	-0.5
10:25 PM - 10:30 PM	49.6	48.6	-	47.7	46.0	-1.7
10:30 PM - 10:35 PM	50.2	48.2	-	48.9	46.3	2.6
10:35 PM - 10:40 PM	49.5	49.2	-	42.0	46.4	-4.4
10:40 PM - 10:45 PM	49.7	49.7	-	48.0	46.3	-1.8
10:45 PM - 10:50 PM	49.6	48.3	-	46.7	46.6	-0.1
10:50 PM - 10:55 PM	50.2	48.7	-	47.9	47.1	0.8
10:55 PM - 11:00 PM	49.5	48.8	-	47.2	47.4	-0.2
11:00 PM - 11:05 PM	49.6	48.9	-	46.5	47.7	-1.2
11:05 PM - 11:10 PM	49.0	49.3	-	n/a	47.9	-
11:10 PM - 11:15 PM	49.6	48.5	-	46.1	47.5	-1.4
11:15 PM - 11:20 PM	49.2	48.8	-	46.6	47.6	-1.1
11:20 PM - 11:25 PM	48.8	48.4	-	41.2	47.4	-6.2
11:25 PM - 11:30 PM	49.0	49.0	-	41.0	47.9	-0.9
11:30 PM - 11:35 PM	51.5	49.1	50.8	-	47.9	2.9
11:35 PM - 11:40 PM	49.5	51.0	-	n/a	47.5	-
11:40 PM - 11:45 PM	49.4	48.8	-	43.5	47.3	-3.8
11:45 PM - 11:50 PM	49.2	48.7	-	42.6	47.3	-0.7
11:50 PM - 11:55 PM	48.6	48.6	-	39.8	47.1	-7.3
11:55 PM - 12:00 AM	48.7	48.2	-	42.1	46.9	-4.9
12:00 AM - 12:05 AM	48.2	47.8	-	40.6	46.6	-6.0
12:05 AM - 12:10 AM	48.1	48.2	-	n/a	46.8	-
12:10 AM - 12:15 AM	48.8	48.8	-	n/a	47.3	-
12:15 AM - 12:20 AM	48.8	48.8	-	n/a	47.3	-



Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459213-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. 2599078-42
Parameter เสียงรบกวน
Location บ้านเลขที่ 42 หมู่ 3 ตำบลแม่นกูด อำเภูปุขหลวง จังหวัดระยอง (N6) (GPS 47P 0744953, 1428691)
Measurement Date Nov 22 - 23, 2025
Measurement by Apichart Wilars
Sound Level Meter 531294

Page 2 of 3

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน	ค่าเฉลี่ย	เสียงที่ปรากฏ	ค่าเฉลี่ยการรบกวน
12:20 AM - 12:25 AM	48.6	49.0	-	0/0	47.8	-
12:25 AM - 12:30 AM	48.6	48.8	-	0/0	47.6	-
12:30 AM - 12:35 AM	48.6	48.8	-	0/0	47.3	-
12:35 AM - 12:40 AM	48.6	47.7	-	44.3	46.5	-2.2
12:40 AM - 12:45 AM	47.7	47.4	-	38.9	46.3	-7.4
12:45 AM - 12:50 AM	48.4	47.3	-	44.9	46.1	-1.2
12:50 AM - 12:55 AM	47.6	47.3	-	38.8	45.9	-7.3
12:55 AM - 01:00 AM	47.7	47.3	-	40.1	46.3	-6.2
01:00 AM - 01:05 AM	47.4	47.1	-	38.6	46.1	-7.5
01:05 AM - 01:10 AM	47.6	47.0	-	41.7	46.0	-4.3
01:10 AM - 01:15 AM	47.9	47.1	-	43.2	45.9	-2.7
01:15 AM - 01:20 AM	47.9	46.7	-	44.7	45.3	-0.6
01:20 AM - 01:25 AM	47.5	46.3	-	44.3	44.7	-0.4
01:25 AM - 01:30 AM	47.4	45.4	-	46.1	43.9	2.2
01:30 AM - 01:35 AM	47.3	46.1	-	44.1	44.5	-0.4
01:35 AM - 01:40 AM	47.5	46.3	-	44.3	44.3	0.0
01:40 AM - 01:45 AM	47.9	47.3	-	42.0	46.4	-4.4
01:45 AM - 01:50 AM	47.5	47.2	-	38.7	45.9	-7.2
01:50 AM - 01:55 AM	47.4	47.4	-	0/0	46.1	-
01:55 AM - 02:00 AM	47.1	46.9	-	36.6	46.0	-9.4
02:00 AM - 02:05 AM	47.1	47.0	-	33.7	46.0	-12.3
02:05 AM - 02:10 AM	47.8	46.9	-	43.5	45.8	-2.3
02:10 AM - 02:15 AM	47.1	46.9	-	36.9	45.8	-9.2
02:15 AM - 02:20 AM	46.2	46.4	-	0/0	45.2	-
02:20 AM - 02:25 AM	45.8	46.6	-	0/0	45.4	-
02:25 AM - 02:30 AM	45.8	46.3	-	0/0	45.2	-
02:30 AM - 02:35 AM	46.4	46.4	-	0/0	45.4	-
02:35 AM - 02:40 AM	46.4	46.6	-	0/0	44.9	-
02:40 AM - 02:45 AM	46.5	45.9	-	40.6	44.1	-3.5
02:45 AM - 02:50 AM	46.6	46.6	-	41.7	44.2	-9.1
02:50 AM - 02:55 AM	45.6	45.4	-	35.1	44.2	-9.1
02:55 AM - 03:00 AM	45.9	45.7	-	35.4	44.4	-9.0
03:00 AM - 03:05 AM	45.9	45.9	-	0/0	45.1	-
03:05 AM - 03:10 AM	45.6	45.3	-	36.8	44.4	-7.6
03:10 AM - 03:15 AM	46.0	44.9	-	42.5	44.2	-1.7
03:15 AM - 03:20 AM	47.1	45.6	-	44.8	43.5	1.3
03:20 AM - 03:25 AM	45.4	45.3	-	32.0	43.1	-11.3
03:25 AM - 03:30 AM	45.6	43.6	-	44.3	42.4	1.9
03:30 AM - 03:35 AM	46.0	42.7	-	46.3	41.6	4.7
03:35 AM - 03:40 AM	45.5	43.4	-	44.3	41.9	2.4

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599078
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459213-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. 2599078-42
Parameter เสียงรบกวน
Location บ้านเลขที่ 42 หมู่ 3 ตำบลแม่นกูด อำเภูปุขหลวง จังหวัดระยอง (N6) (GPS 47P 0744953, 1428691)
Measurement Date Nov 22 - 23, 2025
Measurement by Apichart Wilars
Sound Level Meter 531294

Page 3 of 3

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน	ค่าเฉลี่ย	เสียงที่ปรากฏ	ค่าเฉลี่ยการรบกวน
03:40 AM - 03:45 AM	44.7	44.2	-	38.1	42.9	-4.8
03:45 AM - 03:50 AM	44.2	43.9	-	35.4	42.6	-7.2
03:50 AM - 03:55 AM	45.2	44.0	-	42.0	42.3	-0.3
03:55 AM - 04:00 AM	46.4	43.8	-	43.9	42.3	1.6
04:00 AM - 04:05 AM	45.4	43.4	-	43.7	42.1	1.6
04:05 AM - 04:10 AM	45.4	43.4	-	44.1	41.9	2.2
04:10 AM - 04:15 AM	45.3	43.4	-	43.8	41.8	2.0
04:15 AM - 04:20 AM	44.4	44.1	-	35.6	42.2	-6.6
04:20 AM - 04:25 AM	44.8	44.0	-	40.1	42.2	-2.1
04:25 AM - 04:30 AM	44.9	44.5	-	37.3	42.6	-5.3
04:30 AM - 04:35 AM	44.3	45.0	-	0/0	43.1	-
04:35 AM - 04:40 AM	44.8	44.7	-	31.4	43.2	-11.8
04:40 AM - 04:45 AM	44.9	44.8	-	31.5	42.7	-11.2
04:45 AM - 04:50 AM	45.4	45.6	-	0/0	43.5	-
04:50 AM - 04:55 AM	45.4	45.5	-	0/0	43.6	-
04:55 AM - 05:00 AM	45.2	44.2	-	41.3	42.2	-0.9
05:00 AM - 05:05 AM	44.9	43.0	-	43.4	41.7	1.7
05:05 AM - 05:10 AM	45.4	43.8	-	43.3	42.2	1.1
05:10 AM - 05:15 AM	45.1	43.4	-	43.2	41.9	1.3
05:15 AM - 05:20 AM	44.8	44.8	-	30.9	43.1	-
05:20 AM - 05:25 AM	44.0	43.9	-	30.6	42.3	-11.7
05:25 AM - 05:30 AM	43.5	43.6	-	0/0	42.2	-
05:30 AM - 05:35 AM	46.1	43.6	-	45.5	42.3	3.2
05:35 AM - 05:40 AM	44.5	46.5	-	0/0	43.2	-
05:40 AM - 05:45 AM	44.9	44.0	-	40.6	42.5	-1.9
05:45 AM - 05:50 AM	46.2	45.0	-	43.0	42.7	0.3
05:50 AM - 05:55 AM	46.4	47.4	-	0/0	42.4	-
05:55 AM - 06:00 AM	44.4	44.4	-	0/0	42.4	-
06:00 AM - 07:00 AM	46.3	45.6	38.0	-	43.6	-5.6
07:00 AM - 08:00 AM	47.2	46.6	38.3	-	44.8	-6.5
08:00 AM - 09:00 AM	50.7	49.6	44.2	-	47.2	-3.0
09:00 AM - 10:00 AM	54.7	54.7	0/0	-	50.7	-

Reference Method :

- ISO 1996-1
- ประเทศไทยมาตรฐานเสียงรบกวนในชุมชน (Sample No.2599080-42) วันตรวจวัด 22-23 พฤศจิกายน 2568
- กฎกระทรวงกำหนดระดับเสียงรบกวนในการก่อสร้าง (ฉบับแก้ไข) พ.ศ. 2565

หมายเหตุ : ผลการตรวจวัดเสียงรบกวนในชุมชน ฉบับที่ 29 (พ.ศ.2550) (แก้ไข) ตามมติของกรม

Remark:

- ระดับเสียงจากแหล่งกำเนิด มีการตรวจวัด วันที่ 22-23 พฤศจิกายน 2568
- ระดับเสียงที่ปรากฏและระดับเสียงขณะไม่มีการรบกวน (Sample No.2599080-42) วันตรวจวัด 22-23 พฤศจิกายน 2568
- กฎกระทรวงกำหนดระดับเสียงรบกวนในการก่อสร้าง (ฉบับแก้ไข) พ.ศ. 2565

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599083
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459340-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. 2599083-1
Parameter เสียงรบกวน
Location ที่พักอาศัยตำบลโคกสูง อำเภอวังน้อย จังหวัดพระนครศรีอยุธยา (N7) (GPS 47P 0745579, 1426753)
Measurement Date Nov 16 - 17, 2025
Measurement by Apichart Wilars
Sound Level Meter 531298

Page 1 of 3

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน	ค่าเฉลี่ย	เสียงที่ปรากฏ	ค่าเฉลี่ยการรบกวน
10:00 AM - 11:00 AM	56.8	49.6	55.9	-	42.4	13.5
11:00 AM - 12:00 PM	59.4	51.0	58.7	-	43.9	14.8
12:00 PM - 01:00 PM	49.6	48.4	43.4	-	43.5	-0.1
01:00 PM - 02:00 PM	49.0	47.0	44.7	-	43.5	1.2
02:00 PM - 03:00 PM	48.3	47.5	40.6	-	43.1	-2.5
03:00 PM - 04:00 PM	52.7	51.6	46.2	-	43.9	2.3
04:00 PM - 05:00 PM	49.9	50.1	0/0	-	45.2	-
05:00 PM - 06:00 PM	49.8	50.3	0/0	-	45.9	-
06:00 PM - 07:00 PM	51.4	50.0	45.8	-	47.7	-1.9
07:00 PM - 08:00 PM	50.3	49.1	44.1	-	47.2	-3.1
08:00 PM - 09:00 PM	49.6	48.5	43.1	-	47.1	-4.0
09:00 PM - 10:00 PM	48.0	46.5	42.7	-	45.2	-2.5
10:00 PM - 10:05 PM	47.8	47.8	34.5	-	46.5	-12.0
10:05 PM - 10:10 PM	47.7	46.5	-	44.5	44.0	0.5
10:10 PM - 10:15 PM	47.3	45.8	-	45.0	43.4	1.6
10:15 PM - 10:20 PM	47.4	47.1	-	38.6	46.5	-7.9
10:20 PM - 10:25 PM	46.2	47.2	-	44.3	46.5	-2.2
10:25 PM - 10:30 PM	47.7	46.8	-	43.4	46.2	-2.8
10:30 PM - 10:35 PM	47.8	47.5	-	39.0	46.7	-7.7
10:35 PM - 10:40 PM	48.1	47.6	-	41.5	47.1	-5.6
10:40 PM - 10:45 PM	47.6	47.4	-	37.1	46.8	-9.7
10:45 PM - 10:50 PM	47.7	47.3	-	40.1	46.7	-6.6
10:50 PM - 10:55 PM	48.0	47.6	-	40.4	47.1	-6.7
10:55 PM - 11:00 PM	47.9	47.9	-	0/0	47.4	-
11:00 PM - 11:05 PM	48.1	48.2	-	0/0	47.6	-
11:05 PM - 11:10 PM	48.1	48.0	-	34.7	47.6	-12.9
11:10 PM - 11:15 PM	48.0	48.1	-	0/0	47.4	-
11:15 PM - 11:20 PM	48.1	47.9	-	37.6	47.2	-9.6
11:20 PM - 11:25 PM	48.2	47.3	-	43.9	46.7	-2.8
11:25 PM - 11:30 PM	48.1	46.9	-	44.9	46.4	-1.5
11:30 PM - 11:35 PM	48.0	47.2	-	43.3	46.6	-3.3
11:35 PM - 11:40 PM	48.2	47.6	-	42.3	47.0	-4.7
11:40 PM - 11:45 PM	48.1	47.5	-	43.6	47.0	-4.8
11:45 PM - 11:50 PM	48.3	47.5	-	43.6	47.0	-3.4
11:50 PM - 11:55 PM	48.7	47.5	-	45.5	46.9	-1.4
11:55 PM - 12:00 AM	48.5	47.3	-	47.0	47.0	0.0
12:00 AM - 12:05 AM	50.8	47.4	-	51.1	46.9	4.2
12:05 AM - 12:10 AM	48.3	47.3	-	44.4	46.6	-2.2
12:10 AM - 12:15 AM	49.9	52.2	-	0/0	47.5	-
12:15 AM - 12:20 AM	49.8	48.0	-	48.1	47.4	0.7

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599083
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459340-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. 2599083-1
Parameter เสียงรบกวน
Location ที่พักอาศัยตำบลโคกสูง อำเภอวังน้อย จังหวัดพระนครศรีอยุธยา (N7) (GPS 47P 0745579, 1426753)
Measurement Date Nov 16 - 17, 2025
Measurement by Apichart Wilars
Sound Level Meter 531298

Page 2 of 3

จุดเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงที่ตรวจ	ค่าดัชนีการรบกวน
		ค่าเสียง	ค่าเสียง			
12:30 AM - 12:25 AM	49.0	48.3	-	43.7	47.7	-4.0
12:30 AM - 12:30 AM	49.2	48.3	-	n/a	47.7	-
12:30 AM - 12:35 AM	48.6	48.2	-	41.0	47.4	-6.4
12:35 AM - 12:40 AM	48.4	47.8	-	42.5	47.3	-4.7
12:40 AM - 12:45 AM	48.4	47.8	-	42.5	47.3	-4.8
12:45 AM - 12:50 AM	48.3	51.4	-	n/a	47.2	-
12:50 AM - 12:55 AM	50.1	48.9	-	46.9	47.1	-0.2
12:55 AM - 01:00 AM	48.3	48.8	-	42.2	46.9	-3.7
01:00 AM - 01:05 AM	48.7	48.0	-	43.4	46.8	-3.4
01:05 AM - 01:10 AM	48.3	47.9	-	40.7	46.8	-6.1
01:10 AM - 01:15 AM	48.6	48.2	-	41.0	46.9	-5.9
01:15 AM - 01:20 AM	48.3	49.0	-	n/a	46.9	-
01:20 AM - 01:25 AM	48.4	50.0	-	n/a	47.2	-
01:25 AM - 01:30 AM	48.3	47.9	-	40.7	47.1	-6.4
01:30 AM - 01:35 AM	48.5	48.0	-	41.9	46.9	-5.0
01:35 AM - 01:40 AM	48.6	48.5	-	35.2	46.7	-11.5
01:40 AM - 01:45 AM	48.8	48.5	-	40.0	46.7	-6.7
01:45 AM - 01:50 AM	48.5	48.6	-	n/a	47.1	-
01:50 AM - 01:55 AM	48.5	48.5	-	n/a	47.1	-
01:55 AM - 02:00 AM	48.9	48.5	-	41.3	47.0	-5.7
02:00 AM - 02:05 AM	48.6	47.6	-	44.7	46.7	-2.0
02:05 AM - 02:10 AM	48.5	48.0	-	41.9	46.7	-4.8
02:10 AM - 02:15 AM	50.0	47.3	-	49.7	46.6	-3.1
02:15 AM - 02:20 AM	48.9	46.6	-	48.0	46.0	2.0
02:20 AM - 02:25 AM	49.1	47.8	-	46.2	46.2	0.0
02:25 AM - 02:30 AM	48.2	47.5	-	42.9	46.6	2.7
02:30 AM - 02:35 AM	49.0	46.8	-	48.0	46.2	1.8
02:35 AM - 02:40 AM	48.7	48.9	-	n/a	46.6	-
02:40 AM - 02:45 AM	49.5	46.8	-	49.2	46.3	2.9
02:45 AM - 02:50 AM	48.5	48.9	-	46.2	46.4	0.2
02:50 AM - 02:55 AM	48.1	47.0	-	44.6	46.4	-1.8
02:55 AM - 03:00 AM	48.7	46.8	-	47.2	46.3	0.9
03:00 AM - 03:05 AM	48.3	48.7	-	46.2	46.2	0.0
03:05 AM - 03:10 AM	48.3	47.3	-	44.4	46.8	-2.4
03:10 AM - 03:15 AM	48.7	47.3	-	46.1	46.7	-0.6
03:15 AM - 03:20 AM	48.9	47.2	-	47.0	46.7	0.3
03:20 AM - 03:25 AM	48.8	47.3	-	46.5	46.8	-0.3
03:25 AM - 03:30 AM	49.1	47.7	-	46.5	47.0	-0.5
03:30 AM - 03:35 AM	49.4	48.0	-	46.8	46.9	-0.1



Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599083
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459341-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. 2599083-1
Parameter เสียงตามวัน
Location ฟังเสียงตามวันใกล้หอโรงการ (N7) (GPS 47P 0745579, 1426753)
Measurement Date Nov 16 - 17, 2025
Measurement by Apichart Wilars
Sound Level Meter 531298

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	48.3	47.1	-	45.1	46.4	-1.3
03:45 AM - 03:50 AM	48.3	47.1	-	46.2	46.1	0.1
03:50 AM - 03:55 AM	48.0	46.5	-	45.7	45.9	-0.2
03:55 AM - 04:00 AM	47.9	46.5	-	45.1	45.8	-0.5
04:00 AM - 04:05 AM	47.9	46.8	-	44.4	46.0	-1.6
04:05 AM - 04:10 AM	47.8	46.9	-	43.5	46.2	-2.7
04:10 AM - 04:15 AM	48.4	47.0	-	43.8	46.3	-0.5
04:15 AM - 04:20 AM	47.9	47.0	-	43.6	46.2	-2.6
04:20 AM - 04:25 AM	47.8	46.7	-	44.3	46.1	-1.8
04:25 AM - 04:30 AM	47.3	46.5	-	42.6	45.6	-3.3
04:30 AM - 04:35 AM	47.2	46.1	-	43.7	45.7	-2.0
04:35 AM - 04:40 AM	47.2	46.4	-	42.5	45.9	-3.4
04:40 AM - 04:45 AM	47.1	46.1	-	43.2	45.6	-2.4
04:45 AM - 04:50 AM	47.0	46.1	-	42.7	45.7	-3.0
04:50 AM - 04:55 AM	47.1	46.1	-	43.2	45.6	-2.4
04:55 AM - 05:00 AM	47.1	46.2	-	42.8	45.3	-2.5
05:00 AM - 05:05 AM	47.1	45.8	-	44.2	45.3	-1.1
05:05 AM - 05:10 AM	47.3	45.9	-	44.7	45.3	-0.6
05:10 AM - 05:15 AM	47.7	46.1	-	45.6	45.5	0.1
05:15 AM - 05:20 AM	47.1	45.8	-	44.2	45.3	-1.1
05:20 AM - 05:25 AM	47.6	46.0	-	45.5	45.2	0.3
05:25 AM - 05:30 AM	46.9	45.9	-	44.3	45.0	-0.7
05:30 AM - 05:35 AM	48.3	47.1	-	45.1	44.8	0.3
05:35 AM - 05:40 AM	48.9	45.9	-	43.0	45.2	-2.2
05:40 AM - 05:45 AM	48.2	46.7	-	45.9	44.9	1.0
05:45 AM - 05:50 AM	48.0	46.1	-	46.5	44.5	2.0
05:50 AM - 05:55 AM	48.5	47.5	-	45.6	44.4	4.1
05:55 AM - 06:00 AM	49.8	47.5	-	48.9	44.6	4.3
06:00 AM - 07:00 AM	48.6	48.8	n/a	-	44.3	-
07:00 AM - 08:00 AM	48.9	50.4	n/a	-	43.5	-
08:00 AM - 09:00 AM	48.0	49.0	n/a	-	43.0	-
09:00 AM - 10:00 AM	50.8	49.8	43.9	-	43.4	0.5
ค่ามาตรฐาน						≤ 10

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง "วิธีการตรวจวัดระดับเสียงพื้นฐาน ระดับเสียงขณะไม่มีการรบกวน การตรวจวัดค่ามาตรฐานระดับเสียงขณะมีการรบกวน การคำนวณค่าระดับเสียง และแบบบันทึกการตรวจวัดเสียงตามวัน พ.ศ. 2565

หมายเหตุ : ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 29 (พ.ศ.2550) เรื่อง ค่าระดับเสียงรบกวน

Remark:

- ระดับเสียงจากแหล่งกำเนิด มีการตรวจวัด วันที่ 16-17 พฤศจิกายน 2568
- ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2599084-1) มีการตรวจวัด วันที่ 16-17 พฤศจิกายน 2568
- กฎ: ไม่สามารถคำนวณระดับเสียงขณะมีการรบกวนได้ เนื่องจากระดับเสียงจากแหล่งกำเนิดมีการเปลี่ยนแปลงระดับเสียงขณะไม่มีการรบกวน

The above results are valid only for the analysed/checked sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wibb.

Wilawan Borirak
Manager

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599083
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459341-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. 2599083-2
Parameter เสียงตามวัน
Location ฟังเสียงตามวันใกล้หอโรงการ (N7) (GPS 47P 0745579, 1426753)
Measurement Date Nov 17 - 18, 2025
Measurement by Apichart Wilars
Sound Level Meter 531298

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
12:20 AM - 12:25 AM	50.2	49.3	-	45.9	47.9	-2.0
12:25 AM - 12:30 AM	50.2	48.8	-	47.6	47.7	-0.1
12:30 AM - 12:35 AM	49.7	49.2	-	43.1	47.8	-4.7
12:35 AM - 12:40 AM	50.5	50.8	-	n/a	48.2	-
12:40 AM - 12:45 AM	50.4	52.7	-	n/a	51.1	-
12:45 AM - 12:50 AM	50.3	51.5	-	n/a	47.9	3.1
12:50 AM - 12:55 AM	50.8	48.0	48.1	50.5	47.4	3.1
12:55 AM - 01:00 AM	49.9	48.1	-	48.2	47.3	0.9
01:00 AM - 01:05 AM	50.0	47.8	-	49.0	47.0	2.0
01:05 AM - 01:10 AM	49.7	47.6	-	48.5	46.9	1.6
01:10 AM - 01:15 AM	49.5	47.8	-	47.6	47.0	0.6
01:15 AM - 01:20 AM	49.6	47.7	-	48.1	46.9	1.2
01:20 AM - 01:25 AM	49.1	47.5	-	47.0	46.7	0.3
01:25 AM - 01:30 AM	49.5	47.9	-	47.4	47.0	0.4
01:30 AM - 01:35 AM	49.6	48.1	-	47.3	47.4	-0.1
01:35 AM - 01:40 AM	49.7	48.1	-	47.6	47.3	0.3
01:40 AM - 01:45 AM	50.2	50.0	-	39.7	47.0	-7.3
01:45 AM - 01:50 AM	50.8	47.5	-	51.1	46.9	4.2
01:50 AM - 01:55 AM	49.5	47.8	-	47.6	47.0	0.6
01:55 AM - 02:00 AM	50.1	47.5	-	49.6	46.7	2.9
02:00 AM - 02:05 AM	49.8	48.0	-	48.1	47.1	1.0
02:05 AM - 02:10 AM	50.2	47.3	-	50.1	46.6	3.5
02:10 AM - 02:15 AM	49.8	48.6	-	48.8	46.6	2.2
02:15 AM - 02:20 AM	49.8	47.0	-	49.6	46.4	3.2
02:20 AM - 02:25 AM	48.9	46.8	-	47.7	46.2	1.5
02:25 AM - 02:30 AM	49.4	46.8	-	46.8	47.2	-0.4
02:30 AM - 02:35 AM	50.4	51.8	-	n/a	46.4	2.5
02:35 AM - 02:40 AM	53.3	46.9	-	35.2	46.1	9.1
02:40 AM - 02:45 AM	49.9	47.6	-	49.0	46.4	2.6
02:45 AM - 02:50 AM	49.8	47.4	-	49.4	46.5	2.5
02:50 AM - 02:55 AM	50.5	47.5	-	50.5	46.5	4.0
02:55 AM - 03:00 AM	50.1	47.4	-	48.8	46.4	3.4
03:00 AM - 03:05 AM	49.8	46.1	-	49.7	46.1	3.6
03:05 AM - 03:10 AM	49.7	47.3	-	49.0	46.2	2.8
03:10 AM - 03:15 AM	50.2	48.0	-	49.2	47.1	2.1
03:15 AM - 03:20 AM	50.1	47.7	-	49.7	47.2	2.9
03:20 AM - 03:25 AM	49.5	47.4	-	48.5	46.5	1.8
03:25 AM - 03:30 AM	51.8	53.9	-	n/a	47.0	-
03:30 AM - 03:35 AM	54.2	58.9	-	n/a	46.3	-
03:35 AM - 03:40 AM	50.9	47.5	-	51.2	46.4	4.8

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Wibb.

Wilawan Borirak
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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599083
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459341-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. 2599083-2
Parameter เสียงตามวัน
Location ฟังเสียงตามวันใกล้หอโรงการ (N7) (GPS 47P 0745579, 1426753)
Measurement Date Nov 17 - 18, 2025
Measurement by Apichart Wilars
Sound Level Meter 531298

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	52.0	48.2	49.7	-	42.2	7.5
11:00 AM - 12:00 PM	49.5	47.0	45.9	-	42.5	3.4
12:00 PM - 01:00 PM	48.5	46.1	44.8	-	43.2	1.6
01:00 PM - 02:00 PM	47.9	44.7	45.1	-	42.1	3.0
02:00 PM - 03:00 PM	48.6	47.8	48.0	-	42.9	2.0
03:00 PM - 04:00 PM	48.8	47.2	48.8	-	44.3	-0.6
04:00 PM - 05:00 PM	49.2	46.6	48.3	-	44.4	-0.1
05:00 PM - 06:00 PM	50.1	49.9	36.6	-	44.8	-8.2
06:00 PM - 07:00 PM	53.2	49.4	50.9	-	46.5	4.4
07:00 PM - 08:00 PM	50.4	49.8	41.5	-	47.7	-6.2
08:00 PM - 09:00 PM	49.9	48.6	44.0	-	47.8	-3.8
09:00 PM - 10:00 PM	50.6	49.9	42.3	-	48.0	-5.7
10:00 PM - 10:05 PM	50.6	49.7	-	49.7	47.7	1.4
10:05 PM - 10:10 PM	50.2	48.9	-	47.3	47.9	-0.6
10:10 PM - 10:15 PM	50.1	48.5	-	48.0	47.6	0.4
10:15 PM - 10:20 PM	50.8	50.4	-	n/a	50.5	-
10:20 PM - 10:25 PM	53.1	51.3	-	51.4	48.2	3.2
10:25 PM - 10:30 PM	51.1	49.8	-	48.2	47.4	0.8
10:30 PM - 10:35 PM	50.9	53.1	-	n/a	47.9	-
10:35 PM - 10:40 PM	53.0	52.8	-	42.5	47.8	-5.3
10:40 PM - 10:45 PM	51.7	51.4	-	42.9	48.2	-5.3
10:45 PM - 10:50 PM	49.9	49.1	-	45.2	48.3	-3.1
10:50 PM - 10:55 PM	49.6	48.8	-	48.9	47.8	-
10:55 PM - 11:00 PM	50.2	51.2	-	n/a	48.3	-
11:00 PM - 11:05 PM	51.1	49.0	-	49.9	48.0	1.9
11:05 PM - 11:10 PM	49.8	48.5	-	41.0	48.2	-7.2
11:10 PM - 11:15 PM	50.2	50.4	-	n/a	48.5	-
11:15 PM - 11:20 PM	50.4	49.5	-	46.1	48.1	-2.0
11:20 PM - 11:25 PM	50.5	48.9	-	45.2	47.6	-2.4
11:25 PM - 11:30 PM	50.5	48.9	-	48.4	48.0	0.4
11:30 PM - 11:35 PM	50.3	49.3	-	46.4	48.4	-2.0
11:35 PM - 11:40 PM	50.4	52.1	-	n/a	48.3	-
11:40 PM - 11:45 PM	50.3	49.4	-	47.5	47.5	-1.5
11:45 PM - 11:50 PM	49.5	49.6	-	n/a	48.0	-
11:50 PM - 11:55 PM	50.6	49.9	-	45.3	48.2	-2.9
11:55 PM - 12:00 AM	50.1	50.4	-	47.9	47.8	-
12:00 AM - 12:05 AM	50.9	49.9	-	47.0	48.9	-1.9
12:05 AM - 12:10 AM	51.1	49.6	-	48.8	48.1	0.7
12:10 AM - 12:15 AM	50.5	49.6	-	47.0	48.4	-1.4
12:15 AM - 12:20 AM	50.6	48.9	-	48.7	47.8	0.8

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Approved by

Wibb.

Wilawan Borirak
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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599083
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459342-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599083-3
Parameter : เสียงรบกวน
Location : พื้นที่อาศัยภายในโครงการ (N7) (GPS 47P 07455579, 1426753)
Measurement Date : Nov 18 - 19, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531298

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	49.5	46.8	46.2	-	44.5	1.7
11:00 AM - 12:00 PM	48.4	47.1	42.5	-	42.6	-0.1
12:00 PM - 01:00 PM	46.1	45.0	39.6	-	41.0	-1.6
01:00 PM - 02:00 PM	46.4	44.7	41.5	-	42.2	-0.7
02:00 PM - 03:00 PM	46.5	45.5	39.6	-	41.9	-2.3
03:00 PM - 04:00 PM	46.6	45.5	40.1	-	42.3	-2.2
04:00 PM - 05:00 PM	47.9	46.8	n/a	-	42.9	-
05:00 PM - 06:00 PM	47.2	46.9	35.4	-	43.1	-7.7
06:00 PM - 07:00 PM	47.5	47.1	36.9	-	45.8	-8.9
07:00 PM - 08:00 PM	48.9	49.1	n/a	-	46.6	-
08:00 PM - 09:00 PM	51.6	52.5	n/a	-	47.6	-
09:00 PM - 10:00 PM	49.3	48.5	n/a	-	48.0	-
10:00 PM - 10:05 PM	48.9	48.0	-	44.6	46.9	-2.3
10:05 PM - 10:10 PM	48.1	47.5	-	42.7	46.8	-4.6
10:10 PM - 10:15 PM	48.3	47.8	-	41.7	47.1	-5.4
10:15 PM - 10:20 PM	48.4	47.4	-	44.5	46.7	-2.2
10:20 PM - 10:25 PM	48.1	48.0	-	34.7	46.9	-12.2
10:25 PM - 10:30 PM	48.7	48.4	-	41.1	47.5	-6.4
10:30 PM - 10:35 PM	48.4	48.2	-	37.9	47.6	-9.7
10:35 PM - 10:40 PM	48.6	47.8	-	41.9	47.1	-3.7
10:40 PM - 10:45 PM	48.2	48.0	-	37.7	47.0	-9.3
10:45 PM - 10:50 PM	48.7	47.7	-	44.8	46.7	-1.9
10:50 PM - 10:55 PM	48.3	47.8	-	41.7	47.0	-5.3
10:55 PM - 11:00 PM	48.7	48.2	-	42.1	47.1	-5.0
11:00 PM - 11:05 PM	49.2	47.1	-	48.0	46.3	1.7
11:05 PM - 11:10 PM	47.3	47.3	-	41.9	46.6	-
11:10 PM - 11:15 PM	48.1	47.2	-	43.8	46.6	-2.8
11:15 PM - 11:20 PM	47.5	47.0	-	40.9	46.6	-5.7
11:20 PM - 11:25 PM	47.5	47.3	-	37.0	46.7	-9.7
11:25 PM - 11:30 PM	47.8	46.8	-	41.9	46.4	-2.5
11:30 PM - 11:35 PM	47.5	47.1	-	39.9	46.7	-6.8
11:35 PM - 11:40 PM	48.1	47.3	-	43.4	46.8	-3.4
11:40 PM - 11:45 PM	48.1	47.8	-	40.2	46.7	-2.5
11:45 PM - 11:50 PM	48.3	51.0	-	n/a	46.6	-
11:50 PM - 11:55 PM	49.6	47.5	-	48.4	46.6	1.8
11:55 PM - 12:00 AM	48.4	48.4	-	45.9	46.4	-5.9
12:00 AM - 12:05 AM	49.5	48.8	-	44.2	47.0	-2.8
12:05 AM - 12:10 AM	49.7	47.4	-	48.8	46.4	2.4
12:10 AM - 12:15 AM	49.4	48.7	-	44.1	46.9	-2.8
12:15 AM - 12:20 AM	50.9	47.7	-	51.1	46.4	4.7

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599083
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459342-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599083-3
Parameter : เสียงรบกวน
Location : พื้นที่อาศัยภายในโครงการ (N7) (GPS 47P 07455579, 1426753)
Measurement Date : Nov 18 - 19, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531298

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
12:20 AM - 12:25 AM	48.8	47.2	-	46.7	46.4	0.3
12:25 AM - 12:30 AM	48.3	46.6	-	46.4	46.1	0.3
12:30 AM - 12:35 AM	47.8	48.5	-	41.9	46.6	-
12:35 AM - 12:40 AM	48.8	46.9	-	47.3	46.3	1.0
12:40 AM - 12:45 AM	48.0	46.8	-	44.8	46.2	-1.4
12:45 AM - 12:50 AM	48.0	46.9	-	44.5	46.4	-1.0
12:50 AM - 12:55 AM	47.8	47.8	-	41.2	46.7	-5.5
12:55 AM - 01:00 AM	48.1	47.3	-	43.4	46.7	-3.3
01:00 AM - 01:05 AM	48.5	49.0	-	n/a	46.4	-
01:05 AM - 01:10 AM	48.0	51.6	-	41.9	48.0	47.5
01:10 AM - 01:15 AM	50.0	48.3	-	46.9	46.9	1.4
01:15 AM - 01:20 AM	48.4	47.2	-	45.2	46.4	-1.2
01:20 AM - 01:25 AM	48.5	47.2	-	45.6	46.5	-0.9
01:25 AM - 01:30 AM	48.3	47.2	-	44.8	46.5	-1.7
01:30 AM - 01:35 AM	48.5	47.4	-	45.0	46.8	-1.8
01:35 AM - 01:40 AM	48.2	47.2	-	44.3	46.5	-2.2
01:40 AM - 01:45 AM	48.3	45.9	-	47.6	44.3	3.3
01:45 AM - 01:50 AM	47.2	47.1	-	33.8	44.0	-10.2
01:50 AM - 01:55 AM	51.7	50.0	-	49.8	47.5	2.3
01:55 AM - 02:00 AM	52.4	51.9	-	45.8	47.3	1.5
02:00 AM - 02:05 AM	55.1	53.3	-	53.4	52.4	1.0
02:05 AM - 02:10 AM	55.9	53.9	-	54.6	53.2	1.4
02:10 AM - 02:15 AM	56.9	52.7	-	57.8	49.8	8.0
02:15 AM - 02:20 AM	55.0	51.7	-	55.3	49.8	5.5
02:20 AM - 02:25 AM	53.5	51.9	-	51.4	47.8	3.6
02:25 AM - 02:30 AM	51.4	45.7	-	53.0	44.6	8.4
02:30 AM - 02:35 AM	47.4	46.1	-	44.5	45.3	-0.8
02:35 AM - 02:40 AM	47.7	46.4	-	44.8	45.6	-0.8
02:40 AM - 02:45 AM	49.5	46.3	-	49.7	45.3	4.4
02:45 AM - 02:50 AM	47.6	46.4	-	44.4	45.5	-1.1
02:50 AM - 02:55 AM	48.2	46.4	-	45.6	45.5	0.1
02:55 AM - 03:00 AM	49.4	48.6	-	44.7	45.0	-0.3
03:00 AM - 03:05 AM	47.1	45.7	-	44.5	45.2	-0.7
03:05 AM - 03:10 AM	47.0	46.0	-	43.1	44.8	-0.7
03:10 AM - 03:15 AM	47.1	45.4	-	45.2	44.7	0.5
03:15 AM - 03:20 AM	46.6	45.4	-	43.4	44.9	-1.5
03:20 AM - 03:25 AM	47.1	46.0	-	43.6	45.2	-1.6
03:25 AM - 03:30 AM	47.5	46.0	-	45.2	45.1	0.1
03:30 AM - 03:35 AM	47.4	45.5	-	45.5	44.9	0.6
03:35 AM - 03:40 AM	46.8	45.8	-	41.9	45.2	-2.3

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599083
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459342-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599083-3
Parameter : เสียงรบกวน
Location : พื้นที่อาศัยภายในโครงการ (N7) (GPS 47P 07455579, 1426753)
Measurement Date : Nov 18 - 19, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531298

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	46.8	46.2	-	40.9	45.8	-4.9
03:45 AM - 03:50 AM	47.0	46.4	-	41.1	45.9	-4.8
03:50 AM - 03:55 AM	47.2	46.5	-	41.9	45.9	-4.0
03:55 AM - 04:00 AM	47.1	46.4	-	41.8	46.0	-4.2
04:00 AM - 04:05 AM	47.2	46.5	-	41.9	46.0	-4.1
04:05 AM - 04:10 AM	47.5	46.8	-	42.2	45.7	-3.5
04:10 AM - 04:15 AM	47.4	46.0	-	44.8	45.5	-0.7
04:15 AM - 04:20 AM	47.2	45.8	-	44.6	45.4	-0.8
04:20 AM - 04:25 AM	47.1	45.8	-	44.2	45.3	-1.1
04:25 AM - 04:30 AM	47.3	45.7	-	45.3	45.4	-0.3
04:30 AM - 04:35 AM	47.4	46.0	-	44.8	45.5	-0.7
04:35 AM - 04:40 AM	47.3	45.8	-	45.0	45.3	-0.3
04:40 AM - 04:45 AM	47.3	46.2	-	43.8	45.5	-1.7
04:45 AM - 04:50 AM	47.6	50.2	-	40.8	45.8	-
04:50 AM - 04:55 AM	49.7	47.9	-	48.0	45.6	2.4
04:55 AM - 05:00 AM	47.6	46.5	-	44.1	45.8	-1.7
05:00 AM - 05:05 AM	48.0	46.4	-	45.9	45.9	0.0
05:05 AM - 05:10 AM	47.5	46.4	-	43.6	45.8	-2.2
05:10 AM - 05:15 AM	47.7	46.5	-	44.5	45.9	-1.4
05:15 AM - 05:20 AM	47.6	46.4	-	44.4	45.9	-1.5
05:20 AM - 05:25 AM	47.7	46.4	-	45.1	45.6	-0.5
05:25 AM - 05:30 AM	47.2	46.4	-	42.5	45.6	-3.1
05:30 AM - 05:35 AM	47.9	46.8	-	44.4	45.9	-1.5
05:35 AM - 05:40 AM	48.3	46.9	-	45.7	46.0	-0.3
05:40 AM - 05:45 AM	48.0	46.7	-	45.1	45.9	-0.8
05:45 AM - 05:50 AM	48.8	48.2	-	42.9	46.4	-3.5
05:50 AM - 05:55 AM	49.3	47.0	-	48.3	45.9	2.5
05:55 AM - 06:00 AM	49.5	50.5	-	n/a	46.4	-
06:00 AM - 07:00 AM	55.4	56.6	n/a	-	45.5	-
07:00 AM - 08:00 AM	51.0	50.4	-	42.1	46.0	-3.9
08:00 AM - 09:00 AM	55.1	56.1	-	n/a	45.3	-
09:00 AM - 10:00 AM	52.1	50.3	-	47.4	47.2	0.2

หมายเหตุ:

- Reference Method :
 - ISO 1996-1
 - ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดเสียงสิ่งแวดล้อมและเสียงจากยานพาหนะ
- ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดเสียงสิ่งแวดล้อมและเสียงจากยานพาหนะ
- ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดเสียงสิ่งแวดล้อมและเสียงจากยานพาหนะ

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599083
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459342-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599083-4
Parameter : เสียงรบกวน
Location : พื้นที่อาศัยภายในโครงการ (N7) (GPS 47P 07455579, 1426753)
Measurement Date : Nov 19 - 20, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531298

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	51.2	48.4	-	-	45.9	2.1
11:00 AM - 12:00 PM	50.0	48.2	45.3	-	44.3	1.0
12:00 PM - 01:00 PM	52.3	49.1	49.5	-	45.0	4.5
01:00 PM - 02:00 PM	51.7	49.3	48.0	-	43.6	2.4
02:00 PM - 03:00 PM	50.5	48.0	46.9	-	44.6	2.3
03:00 PM - 04:00 PM	48.8	46.5	44.9	-	43.6	1.3
04:00 PM - 05:00 PM	48.6	45.8	45.4	-	43.5	1.9
05:00 PM - 06:00 PM	48.5	47.5	41.6	-	44.0	-2.4
06:00 PM - 07:00 PM	50.7	48.9	46.0	-	46.8	-0.8
07:00 PM - 08:00 PM	51.7	49.3	48.0	-	47.5	0.5
08:00 PM - 09:00 PM	50.6	48.3	46.7	-	47.0	-0.3
09:00 PM - 10:00 PM	50.0	48.0	45.2	-	47.0	-1.8
10:00 PM - 10:05 PM	49.9	48.9	-	46.0	46.8	-0.8
10:05 PM - 10:10 PM	49.7	50.0	-	46.8	46.9	-0.9
10:10 PM - 10:15 PM	50.6	48.4	-	49.6	47.2	2.4
10:15 PM - 10:20 PM	51.3	52.9	-	n/a	47.0	-
10:20 PM - 10:25 PM	51.3	49.0	-	n/a	46.7	3.7
10:25 PM - 10:30 PM	52.1	50.3	-	50.4	48.4	2.0
10:30 PM - 10:35 PM	53.3	48.8	-	54.4	47.4	7.0
10:35 PM - 10:40 PM	50.7	48.6	-	50.5	47.4	2.1
10:40 PM - 10:45 PM	51.2	48.0	-	50.5	47.5	3.0
10:45 PM - 10:50 PM	51.4	48.0	-	51.7	46.5	5.2
10:50 PM - 10:55 PM	49.5	48.6	-	52.0	46.9	-1.7
10:55 PM - 11:00 PM	50.9	46.4	-	52.0	45.7	6.3
11:00 PM - 11:05 PM	48.6	46.5	-	47.4	46.0	1.4
11:05 PM - 11:10 PM	48.4	46.6	-	47.0	45.7	1.0
11:10 PM - 11:15 PM	48.9	46.5	-	48.2	45.8	2.4
11:15 PM - 11:20 PM	49.0	46.8	-	48.0	45.9	2.1
11:20 PM - 11:25 PM	49.2	46.7	-	48.6	45.8	2.8
11:25 PM - 11:30 PM	48.5	46.9	-	46.4	46.0	0.4
11:30 PM - 11:35 PM	49.6	45.9	-	49.3	46.0	3.3
11:35 PM - 11:40 PM	49.1	47.6	-	46.8	46.1	0.7
11:40 PM - 11:45 PM	49.9	48.0	-	48.4	47.0	1.4
11:45 PM - 11:50 PM	50.5	52.1	-	n/a	48.0	-
11:50 PM - 11:55 PM	52.3	49.0	-	52.6	48.0	4.6
11:55 PM - 12:00 AM	51.8	49.4	-	51.1	47.8	3.3
12:00 AM - 12:05 AM	51.0	49.0	-	49.7	47.1	2.6
12:05 AM - 12:10 AM	50.5	47.7	-	50.6	46.6	3.7
12:10 AM - 12:15 AM	50.2	48.2	-	50.8	45.9	4.7
12:15 AM - 12:20 AM	48.9	48.1	-	49.2	46.8	2.4



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599083-4
Parameter : เสียงรบกวน
Location : ฟังไกลด้านซ้ายทิศใต้ของโรงการ (N7) (GPS 47P 0745579, 1426753)
Measurement Date : Nov 19 - 20, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531298



TESTING
No. 0042

Lot ID: 2599083
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459343-1

Page 2 of 3

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
12:20 AM - 12:25 AM	49.9	47.6	-	49.0	46.5	2.5
12:25 AM - 12:30 AM	50.1	48.4	-	48.2	47.2	1.0
12:30 AM - 12:35 AM	50.0	47.2	-	49.8	46.1	3.7
12:35 AM - 12:40 AM	49.4	47.2	-	48.4	45.9	2.5
12:40 AM - 12:45 AM	49.8	48.4	-	47.2	47.0	0.2
12:45 AM - 12:50 AM	51.4	48.5	-	51.3	46.9	4.4
12:50 AM - 12:55 AM	49.1	47.2	-	47.6	46.9	1.2
12:55 AM - 01:00 AM	49.3	49.4	-	n/a	46.7	-
01:00 AM - 01:05 AM	51.5	55.1	-	n/a	46.9	-
01:05 AM - 01:10 AM	52.6	48.9	-	53.2	46.9	6.3
01:10 AM - 01:15 AM	51.0	48.8	-	50.0	47.3	2.7
01:15 AM - 01:20 AM	50.6	47.6	-	50.6	46.5	4.1
01:20 AM - 01:25 AM	49.6	47.4	-	48.6	46.5	2.1
01:25 AM - 01:30 AM	49.9	46.8	-	50.0	45.5	4.5
01:30 AM - 01:35 AM	48.7	46.7	-	47.4	45.6	1.8
01:35 AM - 01:40 AM	48.3	35.0	-	n/a	45.5	-
01:40 AM - 01:45 AM	51.9	47.2	-	53.1	45.7	7.4
01:45 AM - 01:50 AM	49.3	46.6	-	49.0	45.6	3.4
01:50 AM - 01:55 AM	48.8	47.3	-	46.5	46.1	0.4
01:55 AM - 02:00 AM	49.1	46.9	-	48.1	45.8	3.3
02:00 AM - 02:05 AM	49.4	47.8	-	47.3	46.8	0.5
02:05 AM - 02:10 AM	50.7	49.0	-	48.8	47.4	1.4
02:10 AM - 02:15 AM	51.6	49.0	-	51.1	47.6	3.5
02:15 AM - 02:20 AM	51.1	48.5	-	50.6	46.7	3.9
02:20 AM - 02:25 AM	50.1	48.0	-	48.9	46.5	2.4
02:25 AM - 02:30 AM	50.8	48.4	-	50.1	48.6	3.1
02:30 AM - 02:35 AM	52.1	50.2	-	50.6	48.2	2.0
02:35 AM - 02:40 AM	51.5	48.4	-	51.6	47.0	4.6
02:40 AM - 02:45 AM	50.4	48.1	-	49.5	47.0	2.5
02:45 AM - 02:50 AM	50.3	48.2	-	47.1	46.2	2.0
02:50 AM - 02:55 AM	50.8	47.7	-	50.9	46.0	4.9
02:55 AM - 03:00 AM	48.8	46.9	-	47.3	45.9	1.4
03:00 AM - 03:05 AM	49.0	46.7	-	48.1	45.8	3.7
03:05 AM - 03:10 AM	49.5	48.7	-	44.8	47.2	-2.4
03:10 AM - 03:15 AM	50.6	48.6	-	49.3	47.3	2.0
03:15 AM - 03:20 AM	50.9	48.7	-	49.9	46.7	3.2
03:20 AM - 03:25 AM	49.9	48.4	-	47.6	47.3	0.3
03:25 AM - 03:30 AM	50.8	48.9	-	49.3	47.1	2.2
03:30 AM - 03:35 AM	50.8	48.9	-	49.3	47.7	1.6
03:35 AM - 03:40 AM	51.1	48.5	-	50.6	47.1	3.5

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599083-4
Parameter : เสียงรบกวน
Location : ฟังไกลด้านซ้ายทิศใต้ของโรงการ (N7) (GPS 47P 0745579, 1426753)
Measurement Date : Nov 19 - 20, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531298



TESTING
No. 0042

Lot ID: 2599083
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459343-1

Page 3 of 3

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	49.7	46.9	-	49.5	45.6	3.9
03:45 AM - 03:50 AM	48.7	47.1	-	46.6	46.1	0.5
03:50 AM - 03:55 AM	48.6	46.6	-	47.3	46.0	1.3
03:55 AM - 04:00 AM	49.0	47.0	-	47.7	46.0	1.7
04:00 AM - 04:05 AM	50.1	48.3	-	48.4	47.3	1.1
04:05 AM - 04:10 AM	50.4	48.3	-	49.2	46.8	2.4
04:10 AM - 04:15 AM	51.3	48.3	-	51.3	46.9	4.4
04:15 AM - 04:20 AM	50.4	47.2	-	50.6	46.2	4.4
04:20 AM - 04:25 AM	48.8	47.0	-	47.1	45.5	1.6
04:25 AM - 04:30 AM	49.3	46.8	-	48.7	45.5	3.2
04:30 AM - 04:35 AM	49.1	46.3	-	48.9	45.4	3.5
04:35 AM - 04:40 AM	49.1	46.0	-	49.2	45.2	4.0
04:40 AM - 04:45 AM	49.0	46.0	-	49.0	44.8	4.2
04:45 AM - 04:50 AM	48.0	46.3	-	46.1	45.6	0.5
04:50 AM - 04:55 AM	49.2	48.4	-	44.5	47.1	-2.6
04:55 AM - 05:00 AM	51.7	64.4	-	n/a	46.4	-
05:00 AM - 05:05 AM	51.7	59.6	-	48.2	46.2	2.0
05:05 AM - 05:10 AM	49.4	46.4	-	49.4	45.2	4.2
05:10 AM - 05:15 AM	49.5	47.3	-	48.5	44.7	3.8
05:15 AM - 05:20 AM	47.9	52.2	-	n/a	44.9	-
05:20 AM - 05:25 AM	50.9	46.4	-	52.0	45.5	6.5
05:25 AM - 05:30 AM	49.2	47.4	-	47.5	46.1	1.4
05:30 AM - 05:35 AM	50.5	47.1	-	50.8	45.6	5.2
05:35 AM - 05:40 AM	50.4	47.6	-	50.2	46.1	4.1
05:40 AM - 05:45 AM	49.5	46.5	-	49.2	45.3	3.9
05:45 AM - 05:50 AM	49.8	46.2	-	50.3	44.9	5.4
05:50 AM - 05:55 AM	49.7	49.4	-	49.9	45.8	4.9
05:55 AM - 06:00 AM	50.6	47.4	-	50.8	46.0	4.8
06:00 AM - 07:00 AM	50.2	48.4	45.5	-	44.8	0.7
07:00 AM - 08:00 AM	49.6	45.8	n/a	-	47.5	0.0
08:00 AM - 09:00 AM	52.6	51.0	47.5	-	47.5	0.0
09:00 AM - 10:00 AM	53.2	49.9	50.5	-	46.6	3.9
						≤ 10

Reference Method :

- ISO 1996-1
- ระดับเสียงพื้นฐานและระดับเสียงรบกวน (Sample No. 2599084-4) วันที่ตรวจ 19-20 พฤศจิกายน 2568
- กฎ : ใช้ค่าของระดับเสียงรบกวนในการคำนวณค่าเฉลี่ยการรบกวน การตรวจวัดค่าของระดับเสียงขณะมีการรบกวน การคำนวณค่าเฉลี่ยการรบกวน และบันทึกผลการตรวจวัดเสียงรบกวน ม.ท. 2565

หมายเหตุ :

- ระดับเสียงจากแหล่งกำเนิด มีการตรวจวัด วันที่ 19-20 พฤศจิกายน 2568
- ระดับเสียงพื้นฐานและระดับเสียงรบกวน (Sample No. 2599084-4) วันที่ตรวจ 19-20 พฤศจิกายน 2568
- กฎ : ใช้ค่าของระดับเสียงรบกวนในการคำนวณค่าเฉลี่ยการรบกวน ค่าเฉลี่ยการรบกวนใช้ค่าของระดับเสียงรบกวนในการคำนวณค่าเฉลี่ยการรบกวน

หมายเหตุ :

ใช้ค่าของระดับเสียงรบกวนในการคำนวณค่าเฉลี่ยการรบกวน วันที่ 29 (พ.ค.2550) ใช้ค่า ระดับเสียงรบกวน

Remark:

1. ระดับเสียงจากแหล่งกำเนิด มีการตรวจวัด วันที่ 19-20 พฤศจิกายน 2568

2. ระดับเสียงพื้นฐานและระดับเสียงรบกวน (Sample No. 2599084-4) วันที่ตรวจ 19-20 พฤศจิกายน 2568

3. กฎ : ใช้ค่าของระดับเสียงรบกวนในการคำนวณค่าเฉลี่ยการรบกวน ค่าเฉลี่ยการรบกวนใช้ค่าของระดับเสียงรบกวนในการคำนวณค่าเฉลี่ยการรบกวน

Approved by

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599083-5
Parameter : เสียงรบกวน
Location : ฟังไกลด้านซ้ายทิศใต้ของโรงการ (N7) (GPS 47P 0745579, 1426753)
Measurement Date : Nov 20 - 21, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531298



TESTING
No. 0042

Lot ID: 2599083
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459344-1

Page 1 of 3

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	51.5	48.6	48.4	-	46.2	2.2
11:00 AM - 12:00 PM	50.8	50.0	43.1	-	45.5	-2.4
12:00 PM - 01:00 PM	49.6	47.4	45.6	44.8	44.8	0.8
01:00 PM - 02:00 PM	49.3	46.3	-	-	44.3	2.0
02:00 PM - 03:00 PM	50.6	49.0	45.5	-	45.4	0.1
03:00 PM - 04:00 PM	52.1	53.0	n/a	-	48.0	n/a
04:00 PM - 05:00 PM	51.1	50.4	42.8	-	47.2	-4.4
05:00 PM - 06:00 PM	50.7	49.4	44.8	-	45.2	-0.4
06:00 PM - 07:00 PM	48.4	46.6	43.7	-	45.6	-1.9
07:00 PM - 08:00 PM	48.5	47.0	42.9	-	45.8	-2.9
08:00 PM - 09:00 PM	51.0	52.0	n/a	-	46.6	-
09:00 PM - 10:00 PM	48.3	46.1	44.3	-	45.3	-1.0
10:00 PM - 10:05 PM	49.2	46.5	48.9	45.2	45.2	3.7
10:05 PM - 10:10 PM	47.7	46.1	-	45.6	45.3	0.3
10:10 PM - 10:15 PM	47.6	45.6	-	46.3	45.0	1.3
10:15 PM - 10:20 PM	47.5	45.5	-	46.2	44.9	1.3
10:20 PM - 10:25 PM	47.4	45.9	-	45.1	45.3	-0.2
10:25 PM - 10:30 PM	47.8	45.9	-	46.3	45.3	1.0
10:30 PM - 10:35 PM	47.6	46.4	-	44.4	45.3	-0.9
10:35 PM - 10:40 PM	47.7	46.7	-	n/a	45.2	-
10:40 PM - 10:45 PM	49.0	46.7	-	48.1	45.0	3.1
10:45 PM - 10:50 PM	48.4	56.5	-	49.9	45.1	-
10:50 PM - 10:55 PM	52.5	46.3	-	54.3	45.2	9.1
10:55 PM - 11:00 PM	49.8	49.1	-	44.5	45.1	-0.6
11:00 PM - 11:05 PM	49.2	48.4	-	44.5	45.2	-0.7
11:05 PM - 11:10 PM	48.0	46.0	-	46.7	45.0	1.5
11:10 PM - 11:15 PM	50.9	53.8	-	n/a	45.0	-
11:15 PM - 11:20 PM	48.3	47.6	-	43.0	45.3	-2.3
11:20 PM - 11:25 PM	49.3	48.8	-	42.7	45.2	-2.5
11:25 PM - 11:30 PM	48.2	47.3	-	43.9	44.9	-1.0
11:30 PM - 11:35 PM	48.1	51.2	-	n/a	45.4	-
11:35 PM - 11:40 PM	49.5	45.7	-	50.2	45.0	5.2
11:40 PM - 11:45 PM	47.7	45.8	-	46.2	45.0	0.9
11:45 PM - 11:50 PM	48.2	45.7	-	47.5	45.2	2.4
11:50 PM - 11:55 PM	47.2	45.7	-	44.9	45.2	-0.3
11:55 PM - 12:00 AM	47.2	45.6	-	41.3	45.1	-3.8
12:00 AM - 12:05 AM	47.7	48.2	-	n/a	45.3	-
12:05 AM - 12:10 AM	48.6	49.2	-	n/a	45.7	-
12:10 AM - 12:15 AM	48.9	50.5	-	n/a	45.5	-
12:15 AM - 12:20 AM	48.4	47.3	-	44.9	45.2	-0.3

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599083
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459344-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599083-5
Parameter : เสียงรบกวน
Location : ฟังจากตำแหน่งที่ใดของโครงการ (N7) (GPS 47P 0745579, 1426753)
Measurement Date : Nov 20 - 21, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531298

Page 3 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน ไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงที่ฐานการรบกวน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	48.7	47.2	-	46.4	46.4	0.0
03:45 AM - 03:50 AM	49.3	47.3	-	48.0	46.5	1.5
03:50 AM - 03:55 AM	49.6	54.5	-	50.9	45.9	-
03:55 AM - 04:00 AM	50.7	65.1	-	59.7	47.1	-
04:00 AM - 04:05 AM	55.7	53.1	-	55.2	46.9	8.3
04:05 AM - 04:10 AM	52.2	47.5	-	53.4	46.2	7.2
04:10 AM - 04:15 AM	49.4	47.0	-	48.7	46.1	2.6
04:15 AM - 04:20 AM	49.2	47.6	-	47.1	46.1	1.0
04:20 AM - 04:25 AM	49.9	46.2	-	50.5	45.4	5.1
04:25 AM - 04:30 AM	48.4	47.2	-	45.2	45.8	-0.6
04:30 AM - 04:35 AM	49.0	46.8	-	48.0	45.1	2.9
04:35 AM - 04:40 AM	48.8	46.7	-	47.6	45.9	1.7
04:40 AM - 04:45 AM	49.3	47.2	-	48.1	46.2	1.9
04:45 AM - 04:50 AM	49.7	48.7	-	45.8	47.5	-1.7
04:50 AM - 04:55 AM	50.7	49.9	-	46.0	48.3	-2.3
04:55 AM - 05:00 AM	52.3	51.3	-	48.4	49.4	-1.0
05:00 AM - 05:05 AM	54.2	53.3	-	52.7	50.1	2.6
05:05 AM - 05:10 AM	55.1	52.2	-	55.0	50.4	4.6
05:10 AM - 05:15 AM	53.7	51.4	-	52.8	49.5	3.3
05:15 AM - 05:20 AM	54.3	50.9	-	52.6	49.4	3.2
05:20 AM - 05:25 AM	53.6	50.3	-	53.9	48.4	5.5
05:25 AM - 05:30 AM	53.2	51.5	-	51.3	49.0	2.3
05:30 AM - 05:35 AM	53.0	50.5	-	52.4	49.1	3.3
05:35 AM - 05:40 AM	52.4	48.7	-	51.0	47.4	5.6
05:40 AM - 05:45 AM	51.7	50.4	-	48.8	48.1	0.7
05:45 AM - 05:50 AM	53.3	51.7	-	51.2	49.8	1.4
05:50 AM - 05:55 AM	54.3	51.1	-	54.5	48.9	5.2
05:55 AM - 06:00 AM	54.7	52.0	-	54.4	49.7	4.7
06:00 AM - 07:00 AM	54.9	54.1	47.2	-	48.9	-1.7
07:00 AM - 08:00 AM	52.6	50.6	48.3	-	47.5	0.8
08:00 AM - 09:00 AM	52.4	52.2	38.9	-	47.2	-8.8
09:00 AM - 10:00 AM	52.3	50.5	47.6	-	47.5	0.1
ค่าเฉลี่ยฐาน						≤ 10

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงที่ฐานการรบกวนและค่าเฉลี่ยระดับเสียงของเสียงรบกวนการคำนวณค่าระดับเสียงรบกวน และแบบบันทึกการตรวจวัดเสียงรบกวน พ.ศ. 2565

หมายเหตุ : ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 29 (พ.ศ.2550) เรื่อง ค่าระดับเสียงรบกวน

- Remark:
- ระดับเสียงจากแหล่งกำเนิด จากการตรวจวัด วันที่ 20-21 พฤศจิกายน 2568
 - ระดับเสียงที่ฐานการรบกวนและเสียงรบกวนไม่มีการรบกวน (Sample No.2599084-5) ตรวจวัดวันที่ 20-21 พฤศจิกายน 2568
 - ทุกค่าที่ได้มาจากการคำนวณระดับเสียงรบกวนการรบกวนได้ เนื่องจากระดับเสียงจากแหล่งกำเนิดและการคำนวณระดับเสียงรบกวนไม่มีการรบกวน

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Wilwan Borik
Manager

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599083
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459344-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599083-6
Parameter : เสียงรบกวน
Location : ฟังจากตำแหน่งที่ใดของโครงการ (N7) (GPS 47P 0745579, 1426753)
Measurement Date : Nov 21 - 22, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531298

Page 2 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน ไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงที่ฐานการรบกวน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
12:20 AM - 12:25 AM	47.8	45.7	-	46.6	44.9	1.7
12:25 AM - 12:30 AM	48.1	45.6	-	47.5	45.1	2.4
12:30 AM - 12:35 AM	47.9	46.4	-	45.8	45.0	-0.2
12:35 AM - 12:40 AM	48.1	46.2	-	46.6	45.6	1.0
12:40 AM - 12:45 AM	47.8	45.8	-	46.5	44.9	1.6
12:45 AM - 12:50 AM	47.1	46.1	-	43.2	45.3	-2.1
12:50 AM - 12:55 AM	47.2	45.9	-	44.3	45.1	-0.8
12:55 AM - 01:00 AM	47.7	46.2	-	45.4	45.3	0.1
01:00 AM - 01:05 AM	47.6	46.0	-	45.5	45.3	0.2
01:05 AM - 01:10 AM	47.8	47.6	-	47.8	45.2	-2.6
01:10 AM - 01:15 AM	48.2	45.8	-	47.5	45.1	2.4
01:15 AM - 01:20 AM	47.9	45.5	-	47.2	45.1	2.1
01:20 AM - 01:25 AM	47.6	45.7	-	46.1	45.0	1.1
01:25 AM - 01:30 AM	48.1	45.5	-	47.6	45.0	2.6
01:30 AM - 01:35 AM	47.5	45.8	-	45.6	45.2	0.4
01:35 AM - 01:40 AM	47.2	56.4	-	51.9	45.3	1.2
01:40 AM - 01:45 AM	53.8	55.8	-	56.1	45.4	10.7
01:45 AM - 01:50 AM	56.7	74.2	-	61.8	45.0	-
01:50 AM - 01:55 AM	53.9	46.0	-	56.1	45.3	10.8
01:55 AM - 02:00 AM	48.3	47.2	-	44.8	45.0	-0.2
02:00 AM - 02:05 AM	48.9	48.4	-	42.3	45.6	-3.3
02:05 AM - 02:10 AM	48.2	46.4	-	45.2	45.2	1.3
02:10 AM - 02:15 AM	47.7	46.3	-	45.7	45.3	-0.4
02:15 AM - 02:20 AM	48.6	46.4	-	47.6	45.6	-2.0
02:20 AM - 02:25 AM	48.3	46.3	-	47.0	45.4	1.6
02:25 AM - 02:30 AM	47.8	45.8	-	46.5	45.2	1.3
02:30 AM - 02:35 AM	47.6	46.1	-	45.3	45.3	0.0
02:35 AM - 02:40 AM	47.3	46.4	-	43.0	45.5	-2.9
02:40 AM - 02:45 AM	48.0	46.3	-	46.1	45.7	0.4
02:45 AM - 02:50 AM	48.0	45.8	-	45.7	45.3	0.4
02:50 AM - 02:55 AM	48.0	45.8	-	47.0	45.3	1.7
02:55 AM - 03:00 AM	47.7	45.9	-	46.0	45.2	0.8
03:00 AM - 03:05 AM	47.8	46.0	-	45.4	45.2	1.2
03:05 AM - 03:10 AM	47.9	46.3	-	45.8	45.6	0.2
03:10 AM - 03:15 AM	49.3	49.1	-	38.8	45.5	-6.7
03:15 AM - 03:20 AM	47.2	46.7	-	45.7	45.0	-0.1
03:20 AM - 03:25 AM	47.5	46.3	-	44.3	45.0	-1.3
03:25 AM - 03:30 AM	47.9	46.5	-	45.3	45.8	-0.9
03:30 AM - 03:35 AM	48.2	46.3	-	46.7	45.4	1.3
03:35 AM - 03:40 AM	47.8	45.6	-	46.8	45.1	1.7

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Wilwan Borik

Wilwan Borik
Manager

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599083
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459344-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599083-6
Parameter : เสียงรบกวน
Location : ฟังจากตำแหน่งที่ใดของโครงการ (N7) (GPS 47P 0745579, 1426753)
Measurement Date : Nov 21 - 22, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531298

Page 1 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน ไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงที่ฐานการรบกวน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	52.8	50.3	49.2	-	47.4	1.8
11:00 AM - 12:00 PM	52.7	49.6	49.8	-	47.0	2.8
12:00 PM - 01:00 PM	50.4	48.7	45.5	-	44.8	0.7
01:00 PM - 02:00 PM	50.4	47.6	-	47.2	-	44.2
02:00 PM - 03:00 PM	52.7	47.5	51.1	-	44.6	6.5
03:00 PM - 04:00 PM	49.8	48.1	44.0	-	44.9	0.0
04:00 PM - 05:00 PM	50.4	50.0	39.8	-	45.4	-5.6
05:00 PM - 06:00 PM	52.0	51.7	40.2	-	47.3	-7.1
06:00 PM - 07:00 PM	50.0	48.2	45.3	-	46.2	-0.9
07:00 PM - 08:00 PM	49.1	46.9	45.1	-	45.7	-0.6
08:00 PM - 09:00 PM	48.5	49.1	n/a	-	45.1	-
09:00 PM - 10:00 PM	50.1	48.4	41.8	-	44.8	-3.0
10:00 PM - 10:05 PM	48.2	45.5	-	47.9	44.6	3.3
10:05 PM - 10:10 PM	47.1	45.1	-	45.8	44.7	1.1
10:10 PM - 10:15 PM	47.4	46.1	-	44.5	44.9	-0.4
10:15 PM - 10:20 PM	48.7	45.7	-	48.7	45.0	3.7
10:20 PM - 10:25 PM	47.6	47.6	-	n/a	45.5	-
10:25 PM - 10:30 PM	48.9	47.7	-	45.7	45.7	0.0
10:30 PM - 10:35 PM	50.8	48.7	-	49.6	45.2	4.4
10:35 PM - 10:40 PM	47.8	45.5	-	46.9	44.9	2.6
10:40 PM - 10:45 PM	47.7	45.4	-	46.8	44.9	1.9
10:45 PM - 10:50 PM	47.1	57.7	-	n/a	45.0	-
10:50 PM - 10:55 PM	51.3	45.8	-	51.9	44.8	8.1
10:55 PM - 11:00 PM	47.4	46.0	-	44.8	45.2	-0.4
11:00 PM - 11:05 PM	48.5	46.5	-	47.2	45.1	2.1
11:05 PM - 11:10 PM	47.4	45.8	-	45.9	44.2	2.7
11:10 PM - 11:15 PM	47.3	45.4	-	45.8	44.8	1.0
11:15 PM - 11:20 PM	47.6	45.9	-	45.9	44.4	1.5
11:20 PM - 11:25 PM	47.1	45.4	-	45.2	44.8	0.4
11:25 PM - 11:30 PM	47.2	44.9	-	46.3	44.3	2.0
11:30 PM - 11:35 PM	47.0	47.2	-	n/a	44.7	-
11:35 PM - 11:40 PM	47.5	44.9	-	47.0	44.6	2.4
11:40 PM - 11:45 PM	46.7	45.0	-	46.7	44.5	-0.5
11:45 PM - 11:50 PM	47.3	45.5	-	45.6	44.4	1.2
11:50 PM - 11:55 PM	47.9	51.0	-	n/a	45.3	-
11:55 PM - 12:00 AM	49.5	46.7	-	50.2	45.2	5.0
12:00 AM - 12:05 AM	48.1	45.9	-	47.1	45.4	1.7
12:05 AM - 12:10 AM	47.7	44.4	-	48.0	43.2	4.8
12:10 AM - 12:15 AM	47.2	45.2	-	45.9	44.3	1.6
12:15 AM - 12:20 AM	46.8	45.8	-	42.9	45.1	-2.2

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599083
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459346-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599083-7
Parameter : เสียงรบกวน
Location : พื้นที่งานก่อสร้างโครงการ (N7) (GPS 47P 0745579, 1426753)
Measurement Date : Nov 22 - 23, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531298

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	51.3	50.3	44.4	-	43.8	0.6
11:00 AM - 12:00 PM	49.2	46.6	45.7	-	43.6	2.1
12:00 PM - 01:00 PM	48.7	46.8	44.2	-	43.2	1.0
01:00 PM - 02:00 PM	47.8	45.0	44.6	-	42.7	1.9
02:00 PM - 03:00 PM	48.2	47.7	38.6	-	42.4	-3.8
03:00 PM - 04:00 PM	47.3	45.4	42.8	-	42.2	0.6
04:00 PM - 05:00 PM	47.7	45.5	43.7	-	43.1	0.6
05:00 PM - 06:00 PM	50.0	49.7	38.2	-	44.7	-6.5
06:00 PM - 07:00 PM	49.4	48.9	39.8	-	46.9	-7.1
07:00 PM - 08:00 PM	49.4	49.9	0.0	-	47.0	-0.0
08:00 PM - 09:00 PM	49.5	49.4	33.1	-	47.0	-13.9
09:00 PM - 10:00 PM	49.2	48.7	n/a	-	46.5	-
10:00 PM - 10:05 PM	49.1	48.4	-	43.8	46.4	-2.6
10:05 PM - 10:10 PM	48.9	49.1	-	n/a	46.4	-
10:10 PM - 10:15 PM	49.6	48.4	-	46.4	46.5	-0.1
10:15 PM - 10:20 PM	48.4	50.6	-	n/a	46.8	-
10:20 PM - 10:25 PM	49.7	50.0	-	n/a	46.7	-
10:25 PM - 10:30 PM	48.5	48.8	-	n/a	46.4	-
10:30 PM - 10:35 PM	48.9	47.3	-	46.8	46.5	0.4
10:35 PM - 10:40 PM	48.6	50.1	-	n/a	46.7	-
10:40 PM - 10:45 PM	49.6	50.1	-	n/a	46.9	-
10:45 PM - 10:50 PM	50.4	51.6	-	n/a	46.9	-
10:50 PM - 10:55 PM	49.1	46.9	-	48.1	46.2	1.9
10:55 PM - 11:00 PM	48.1	46.8	-	45.2	46.1	-0.9
11:00 PM - 11:05 PM	48.3	46.6	-	46.4	45.9	0.5
11:05 PM - 11:10 PM	48.4	-	46.1	46.0	46.0	0.1
11:10 PM - 11:15 PM	48.5	46.9	-	46.4	46.0	0.4
11:15 PM - 11:20 PM	48.2	46.8	-	45.6	45.9	-0.3
11:20 PM - 11:25 PM	48.4	49.4	-	n/a	46.2	-
11:25 PM - 11:30 PM	49.5	49.2	-	40.7	46.2	-5.5
11:30 PM - 11:35 PM	48.6	46.3	-	47.7	45.8	1.9
11:35 PM - 11:40 PM	48.1	46.9	-	44.9	45.9	-1.0
11:40 PM - 11:45 PM	48.6	47.4	-	45.4	46.0	-0.6
11:45 PM - 11:50 PM	48.0	47.9	-	34.6	45.9	-11.3
11:50 PM - 11:55 PM	49.6	46.8	-	49.4	45.6	3.8
11:55 PM - 12:00 AM	48.6	46.8	-	48.9	45.7	1.2
12:00 AM - 12:05 AM	49.4	48.6	-	44.7	45.8	-1.1
12:05 AM - 12:10 AM	49.3	48.3	-	45.4	45.5	-0.1
12:10 AM - 12:15 AM	49.0	46.1	-	48.9	45.5	3.4
12:15 AM - 12:20 AM	48.2	46.9	-	45.3	45.6	-0.3

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599083
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459346-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599083-7
Parameter : เสียงรบกวน
Location : พื้นที่งานก่อสร้างโครงการ (N7) (GPS 47P 0745579, 1426753)
Measurement Date : Nov 22 - 23, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531298

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
12:20 AM - 12:25 AM	48.3	47.3	-	44.4	45.5	-1.1
12:25 AM - 12:30 AM	48.0	47.5	-	41.4	45.8	-4.4
12:30 AM - 12:35 AM	48.5	47.7	-	43.8	46.2	-2.4
12:35 AM - 12:40 AM	48.2	48.8	-	n/a	46.0	-
12:40 AM - 12:45 AM	49.4	51.9	-	n/a	46.6	-
12:45 AM - 12:50 AM	50.0	47.5	-	49.4	46.0	3.4
12:50 AM - 12:55 AM	48.8	50.4	-	47.0	47.0	-
12:55 AM - 01:00 AM	50.0	49.5	-	43.4	45.9	-2.5
01:00 AM - 01:05 AM	49.0	50.5	-	n/a	46.4	-
01:05 AM - 01:10 AM	49.5	49.8	-	49.5	46.0	-
01:10 AM - 01:15 AM	49.0	47.2	-	47.3	47.3	1.6
01:15 AM - 01:20 AM	47.9	47.8	-	34.5	45.8	-11.3
01:20 AM - 01:25 AM	48.4	48.0	-	48.4	45.9	-5.1
01:25 AM - 01:30 AM	48.5	47.2	-	45.6	45.7	-0.1
01:30 AM - 01:35 AM	49.3	49.1	-	38.8	45.6	-6.8
01:35 AM - 01:40 AM	47.7	47.3	-	40.1	45.7	-5.6
01:40 AM - 01:45 AM	48.7	47.3	-	44.9	46.1	-1.2
01:45 AM - 01:50 AM	48.3	48.0	-	39.5	46.0	-6.5
01:50 AM - 01:55 AM	49.8	48.4	-	47.2	46.0	1.2
01:55 AM - 02:00 AM	49.0	48.0	-	45.1	45.6	-0.5
02:00 AM - 02:05 AM	48.7	48.7	-	n/a	45.4	-
02:05 AM - 02:10 AM	48.3	49.5	-	n/a	45.7	-
02:10 AM - 02:15 AM	48.1	48.1	-	45.2	45.1	-0.3
02:15 AM - 02:20 AM	48.1	46.7	-	45.5	44.9	0.6
02:20 AM - 02:25 AM	47.8	46.0	-	46.1	45.0	1.1
02:25 AM - 02:30 AM	47.7	45.6	-	46.5	45.1	1.4
02:30 AM - 02:35 AM	48.0	46.7	-	47.1	45.1	2.0
02:35 AM - 02:40 AM	48.1	46.9	-	46.9	45.5	1.4
02:40 AM - 02:45 AM	48.5	46.5	-	47.2	45.8	1.4
02:45 AM - 02:50 AM	48.4	46.3	-	47.2	45.3	1.8
02:50 AM - 02:55 AM	47.7	46.1	-	45.6	45.4	0.2
02:55 AM - 03:00 AM	48.1	46.0	-	46.9	45.3	1.6
03:00 AM - 03:05 AM	48.2	46.2	-	n/a	45.3	-
03:05 AM - 03:10 AM	48.7	46.1	-	48.2	45.3	2.9
03:10 AM - 03:15 AM	47.9	46.5	-	45.3	45.2	0.1
03:15 AM - 03:20 AM	51.4	47.2	-	52.3	45.3	7.0
03:20 AM - 03:25 AM	48.2	49.6	-	n/a	45.7	-
03:25 AM - 03:30 AM	49.0	46.4	-	48.5	45.7	2.8
03:30 AM - 03:35 AM	48.5	46.2	-	47.6	45.6	2.0
03:35 AM - 03:40 AM	48.1	46.2	-	46.6	45.5	1.1

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599083
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459346-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599083-7
Parameter : เสียงรบกวน
Location : พื้นที่งานก่อสร้างโครงการ (N7) (GPS 47P 0745579, 1426753)
Measurement Date : Nov 22 - 23, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531298

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	48.2	45.8	-	47.5	45.1	2.4
03:45 AM - 03:50 AM	47.7	46.0	-	45.8	45.3	0.5
03:50 AM - 03:55 AM	47.1	51.9	-	n/a	45.2	-
03:55 AM - 04:00 AM	49.5	45.6	-	50.2	45.0	5.2
04:00 AM - 04:05 AM	47.5	46.1	-	44.9	45.3	-0.4
04:05 AM - 04:10 AM	47.7	46.1	-	45.6	45.3	0.3
04:10 AM - 04:15 AM	47.5	46.2	-	44.6	45.3	-0.7
04:15 AM - 04:20 AM	47.9	46.6	-	45.0	45.6	-0.6
04:20 AM - 04:25 AM	48.4	46.9	-	46.1	45.8	0.3
04:25 AM - 04:30 AM	48.4	47.3	-	44.9	45.7	-0.8
04:30 AM - 04:35 AM	48.1	46.8	-	45.2	45.5	-0.3
04:35 AM - 04:40 AM	47.3	46.8	-	40.7	45.5	-4.8
04:40 AM - 04:45 AM	50.2	49.2	-	46.3	45.7	0.6
04:45 AM - 04:50 AM	47.9	47.2	-	42.6	46.1	-3.5
04:50 AM - 04:55 AM	47.7	46.7	-	43.8	45.4	-1.6
04:55 AM - 05:00 AM	47.6	46.5	-	44.1	45.4	-1.3
05:00 AM - 05:05 AM	47.5	47.0	-	45.4	45.1	-4.2
05:05 AM - 05:10 AM	47.2	46.4	-	42.5	45.1	-2.6
05:10 AM - 05:15 AM	47.6	46.6	-	43.7	45.3	-1.6
05:15 AM - 05:20 AM	48.0	46.5	-	45.7	45.4	0.3
05:20 AM - 05:25 AM	48.1	49.9	-	n/a	46.8	-
05:25 AM - 05:30 AM	49.6	50.2	-	n/a	47.3	-
05:30 AM - 05:35 AM	49.7	49.4	-	46.9	48.2	-7.3
05:35 AM - 05:40 AM	49.1	48.7	-	41.5	48.1	-4.6
05:40 AM - 05:45 AM	48.9	49.3	-	n/a	46.4	-
05:45 AM - 05:50 AM	48.0	47.5	-	41.4	46.2	-4.8
05:50 AM - 05:55 AM	48.6	47.6	-	44.7	46.7	-1.8
05:55 AM - 06:00 AM	48.2	47.7	-	41.6	46.1	-4.5
06:00 AM - 07:00 AM	49.9	49.0	42.6	-	45.3	-2.7
07:00 AM - 08:00 AM	52.2	52.0	38.7	-	46.1	-7.4
08:00 AM - 09:00 AM	50.2	52.5	n/a	-	46.5	-
09:00 AM - 10:00 AM	51.2	48.5	47.9	-	44.3	3.6

หมายเหตุ:

Reference Method :

- ISO 1996-1
- ประกาศกระทรวงมหาดไทย เรื่อง วิธีการตรวจวัดเสียงสิ่งแวดล้อม เสียงรบกวนจากกิจกรรมการก่อสร้างและเสียงรบกวนจากกิจกรรมการดำเนินงานตามแผนปฏิบัติการด้านเสียงรบกวน พ.ศ. 2565
- หมายเหตุ: การตรวจวัดเสียงสิ่งแวดล้อมเบื้องต้น (Sample No. 2599084-7) วันที่ตรวจวัด 22-23 พฤศจิกายน 2568
- ก/ค. ไม่สามารถตรวจวัดเสียงสิ่งแวดล้อมจากโรงงานได้ เนื่องจากเสียงสิ่งแวดล้อมจากโรงงานอยู่ไกลเกินกว่าระยะเสียงรบกวนจากกิจกรรมการดำเนินงานตามแผนปฏิบัติการด้านเสียงรบกวน

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599083
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459346-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599083-8
Parameter : เสียงรบกวน
Location : บริเวณพื้นที่สีเขียวและสวนภายในด้านทิศตะวันออกของโครงการฯ สวนชุมชน ที่บริเวณสวนสาธารณะ (N8) (GPS 47P 0746039, 1427094)
Measurement Date : Nov 16 - 17, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 920831

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	47.5	46.3	41.3	-	43.1	-1.8
11:00 AM - 12:00 PM	50.8	58.6	n/a	-	48.8	-
12:00 PM - 01:00 PM	50.8	56.6	n/a	-	45.7	-
01:00 PM - 02:00 PM	48.5	52.9	n/a	-	45.7	-
02:00 PM - 03:00 PM	44.0	55.8	n/a	-	41.8	-
03:00 PM - 04:00 PM	43.3	44.1	n/a	-	42.1	-
04:00 PM - 05:00 PM	47.2	41.3	44.3	-	41.1	3.8
05:00 PM - 06:00 PM	44.1	42.1	39.8	-	41.1	-
06:00 PM - 07:00 PM	52.5	46.7	51.2	-	45.1	6.1
07:00 PM - 08:00 PM	51.9	48.7	49.1	-	47.0	2.1
08:00 PM - 09:00 PM	50.4	43.3	43.2	-	47.3	-3.3
09:00 PM - 10:00 PM	47.9	47.4	38.3	-	46.0	-7.7
10:00 PM - 10:05 PM	48.8	50.0	-	n/a	47.4	-
10:05 PM - 10:10 PM	48.3	49.0	-	n/a	47.3	-
10:10 PM - 10:15 PM	46.1	47.5	-	n/a	46.2	-
10:15 PM - 10:20 PM	47.3	49.2	-	n/a	46.4	-
10:20 PM - 10:25 PM	47.7	45.9	-	n/a	47.1	-
10:25 PM - 10:30 PM	49.2	49.5	-	n/a	46.7	-
10:30 PM - 10:35 PM	48.3	48.8	-	n/a	46.4	-
10:35 PM - 10:40 PM	48.4	48.5	-	n/a	46.3	-
10:40 PM - 10:45 PM	48.4	49.3	-	n/a	45.8	-
10:45 PM - 10:50 PM	48.5	48.4	-	n/a	45.5	-10.4
10:50 PM - 10:55 PM	48.7	49.4	-	n/a	45.3	-
10:55 PM - 11:00 PM	49.4	47.2	-	48.4	44.9	3.5
11:00 PM - 11:05 PM	49.5	52.7	-	n/a	45.9	-
11:05 PM - 11:10 PM	50.3	48.5	-	48.6	45.8	2.8
11:10 PM - 11:15 PM	50.7	49.0	-	48.8	45.4	3.4
11:15 PM - 11:20 PM	51.3	47.1	-	52.2	45.1	7.1
11:20 PM - 11:25 PM	50.8	50.8	-	50.8	45.4	5.4
11:25 PM - 11:30 PM	51.2	48.2	-	51.2	45.7	5.5
11:30 PM - 11:35 PM	51.7	48.4	-	52.0	45.8	6.2
11:35 PM - 11:40 PM	51.6	48.3	-	51.9	46.0	5.9
11:40 PM - 11:45 PM	50.4	50.8	-	49.9	45.4	4.5
11:45 PM - 11:50 PM	49.9	48.6	-	47.0	46.4	0.6
11:50 PM - 11:55 PM	49.9	48.5	-	47.0	46.0	1.3
11:55 PM - 12:00 AM	49.5	48.2	-	46.6	46.1	0.8
12:00 AM - 12:05 AM	49.5	48.4	-	46.3	46.2	-0.2
12:05 AM - 12:10 AM	49.5	48.6	-	45.2	46.5	-1.3
12:10 AM - 12:15 AM	49.5	48.6	-	45.2	46.5	-1.3
12:15 AM - 12:20 AM	49.5	48.6	-	45.2	46.5	-1.3



Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599083
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459348-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599083-9
Parameter : เสียงรบกวน
Location : บ้านพักที่ 15 ซอยและแนวบ้านด้านทิศเหนือของโครงการ ส่วนขยาย พื้นที่สวนยางพารา (NB) (GPS 47P 0746039, 1427094)
Measurement Date : Nov 17 - 18, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 920831

Page 1 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงจากไม่มีการขนาน	ระดับเสียง (dB(A))		เสียงที่ฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	52.1	47.1	53.4	45.7	7.7	-
03:45 AM - 03:50 AM	51.5	46.9	52.7	45.3	7.4	-
03:50 AM - 03:55 AM	51.6	46.2	53.1	45.0	8.1	-
03:55 AM - 04:00 AM	52.3	46.5	54.0	45.4	8.6	-
04:00 AM - 04:05 AM	52.5	46.6	54.2	45.2	9.0	-
04:05 AM - 04:10 AM	51.9	46.2	53.5	45.1	8.4	-
04:10 AM - 04:15 AM	51.4	46.8	52.6	45.3	7.3	-
04:15 AM - 04:20 AM	50.9	46.5	51.9	45.3	6.6	-
04:20 AM - 04:25 AM	51.1	45.2	52.8	44.3	8.5	-
04:25 AM - 04:30 AM	51.0	45.6	52.5	44.8	7.7	-
04:30 AM - 04:35 AM	50.5	45.6	51.8	44.5	7.3	-
04:35 AM - 04:40 AM	50.2	45.2	51.5	44.3	7.2	-
04:40 AM - 04:45 AM	50.0	45.5	51.1	44.7	6.4	-
04:45 AM - 04:50 AM	50.2	45.7	51.3	44.8	6.5	-
04:50 AM - 04:55 AM	50.0	45.2	51.3	44.3	7.0	-
04:55 AM - 05:00 AM	50.0	45.6	51.0	44.7	6.3	-
05:00 AM - 05:05 AM	50.0	46.3	50.6	45.0	5.6	-
05:05 AM - 05:10 AM	49.7	46.5	49.9	45.2	4.7	-
05:10 AM - 05:15 AM	50.1	46.2	50.8	45.2	5.6	-
05:15 AM - 05:20 AM	50.0	46.0	51.0	44.8	6.1	-
05:20 AM - 05:25 AM	49.8	46.6	50.0	45.2	4.8	-
05:25 AM - 05:30 AM	50.8	48.6	49.8	45.4	4.4	-
05:30 AM - 05:35 AM	49.8	48.1	47.9	45.8	2.1	-
05:35 AM - 05:40 AM	50.7	48.6	49.5	46.3	3.2	-
05:40 AM - 05:45 AM	50.8	49.9	46.5	47.4	-0.9	-
05:45 AM - 05:50 AM	49.7	49.0	44.4	46.9	-2.5	-
05:50 AM - 05:55 AM	50.3	48.6	46.4	46.9	0.5	-
05:55 AM - 06:00 AM	49.6	47.2	48.9	45.5	3.4	-
06:00 AM - 07:00 AM	47.5	45.0	43.9	-	43.8	0.1
07:00 AM - 08:00 AM	47.5	43.7	45.8	-	42.2	3.0
08:00 AM - 09:00 AM	45.1	44.4	36.8	-	43.2	-6.4
09:00 AM - 10:00 AM	45.1	45.7	n/a	-	44.0	-

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ (ฉบับแก้ไขเพิ่มเติม) เรื่อง วิธีการตรวจวัดระดับเสียงที่ฐาน ระดับเสียงของไม่มีการขนาน การตรวจวัดค่าระดับเสียงที่ฐานของไม่มีการขนาน การคำนวณค่าระดับเสียงรวม และแบบฉบับวิธีการตรวจวัดเสียงรบกวน พ.ศ. 2565

หมายเหตุ :
1. ผลการตรวจวัดระดับเสียงที่ฐานของไม่มีการขนาน (Sample No. 2599084-9) วันที่ตรวจวัด 17-18 พฤศจิกายน 2568
2. ผลการตรวจวัดระดับเสียงที่ฐานของไม่มีการขนาน (Sample No. 2599084-10) วันที่ตรวจวัด 17-18 พฤศจิกายน 2568
3. ระบุ : ไม่สามารถตรวจวัดระดับเสียงที่ฐานของไม่มีการขนานได้ เนื่องจากระดับเสียงจากแหล่งกำเนิดมีการเคลื่อนที่เสียงของไม่มีการขนาน

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599083
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459349-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599083-10
Parameter : เสียงรบกวน
Location : บ้านพักที่ 15 ซอยและแนวบ้านด้านทิศเหนือของโครงการ ส่วนขยาย พื้นที่สวนยางพารา (NB) (GPS 47P 0746039, 1427094)
Measurement Date : Nov 18 - 19, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 920831

Page 1 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงจากไม่มีการขนาน	ระดับเสียง (dB(A))		เสียงที่ฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	43.7	44.7	n/a	-	43.0	-
11:00 AM - 12:00 PM	42.9	44.2	n/a	-	43.0	-
12:00 PM - 01:00 PM	42.9	43.0	n/a	-	41.9	-
01:00 PM - 02:00 PM	46.7	44.7	42.4	-	43.3	-0.9
02:00 PM - 03:00 PM	50.1	44.0	48.9	-	42.5	6.4
03:00 PM - 04:00 PM	46.2	45.6	37.3	-	44.1	-6.8
04:00 PM - 05:00 PM	47.0	45.8	40.3	-	44.0	-3.5
05:00 PM - 06:00 PM	45.4	44.9	35.8	-	43.7	-7.9
06:00 PM - 07:00 PM	51.4	46.9	49.5	-	45.4	4.1
07:00 PM - 08:00 PM	52.3	53.7	n/a	-	49.9	-
08:00 PM - 09:00 PM	53.1	53.8	n/a	-	51.1	-
09:00 PM - 10:00 PM	52.9	53.0	n/a	-	49.5	-
10:00 PM - 10:05 PM	52.3	53.7	n/a	-	49.3	-
10:05 PM - 10:10 PM	52.0	53.0	n/a	-	49.7	-
10:10 PM - 10:15 PM	51.4	52.8	-	n/a	49.5	-
10:15 PM - 10:20 PM	51.5	52.8	-	n/a	49.7	-
10:20 PM - 10:25 PM	51.6	52.7	-	n/a	49.4	-
10:25 PM - 10:30 PM	52.0	52.9	-	n/a	49.8	-
10:30 PM - 10:35 PM	52.1	52.7	-	n/a	49.6	-
10:35 PM - 10:40 PM	57.0	52.7	-	58.0	49.3	8.7
10:40 PM - 10:45 PM	57.0	52.0	-	58.3	48.3	10.0
10:45 PM - 10:50 PM	57.1	51.5	-	58.7	47.2	11.5
10:50 PM - 10:55 PM	57.0	51.5	-	58.4	47.1	11.5
10:55 PM - 11:00 PM	53.4	51.7	-	51.5	47.6	3.9
11:00 PM - 11:05 PM	51.1	54.0	-	n/a	45.8	-
11:05 PM - 11:10 PM	51.5	46.9	-	49.4	46.3	3.1
11:10 PM - 11:15 PM	51.3	50.8	-	44.7	46.4	-1.7
11:15 PM - 11:20 PM	52.6	50.6	-	51.3	46.2	5.1
11:20 PM - 11:25 PM	57.2	52.1	-	59.8	45.5	14.3
11:25 PM - 11:30 PM	58.1	52.1	-	59.8	45.9	13.9
11:30 PM - 11:35 PM	57.5	46.8	-	60.1	45.8	14.3
11:35 PM - 11:40 PM	57.2	46.3	-	59.8	45.6	14.2
11:40 PM - 11:45 PM	58.0	49.7	-	60.7	45.7	15.0
11:45 PM - 11:50 PM	57.1	46.5	-	59.7	45.3	14.4
11:50 PM - 11:55 PM	55.2	45.9	-	57.7	45.1	12.6
11:55 PM - 12:00 AM	49.4	46.2	-	49.6	45.0	4.4
12:00 AM - 12:05 AM	48.7	44.9	-	48.7	44.9	3.8
12:05 AM - 12:10 AM	48.8	46.0	-	48.6	44.8	3.8
12:10 AM - 12:15 AM	49.0	46.1	-	48.9	44.6	4.3
12:15 AM - 12:20 AM	48.7	45.3	-	49.0	44.1	4.6

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company



Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599083
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459349-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599083-10
Parameter : เสียงรบกวน
Location : บ้านพักที่ 15 ซอยและแนวบ้านด้านทิศเหนือของโครงการ ส่วนขยาย พื้นที่สวนยางพารา (NB) (GPS 47P 0746039, 1427094)
Measurement Date : Nov 18 - 19, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 920831

Page 2 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงจากไม่มีการขนาน	ระดับเสียง (dB(A))		เสียงที่ฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
12:20 AM - 12:25 AM	48.7	45.5	-	48.9	44.2	4.8
12:25 AM - 12:30 AM	49.2	45.5	-	49.8	44.1	5.7
12:30 AM - 12:35 AM	49.2	45.8	-	49.5	44.7	4.3
12:35 AM - 12:40 AM	49.3	45.6	-	49.9	44.4	5.5
12:40 AM - 12:45 AM	49.2	45.9	-	49.5	45.0	4.5
12:45 AM - 12:50 AM	49.5	46.0	-	49.9	44.9	5.0
12:50 AM - 12:55 AM	49.4	44.9	-	50.0	44.7	5.1
12:55 AM - 01:00 AM	49.1	48.1	-	45.2	45.0	0.2
01:00 AM - 01:05 AM	49.2	46.3	-	49.1	45.3	3.8
01:05 AM - 01:10 AM	49.8	47.8	-	48.5	45.7	2.8
01:10 AM - 01:15 AM	50.1	48.3	-	48.4	47.1	1.3
01:15 AM - 01:20 AM	51.6	47.3	-	52.6	45.7	6.9
01:20 AM - 01:25 AM	52.0	47.6	-	53.0	46.0	7.0
01:25 AM - 01:30 AM	52.0	47.7	-	53.0	46.3	6.7
01:30 AM - 01:35 AM	51.8	46.8	-	53.1	45.3	7.8
01:35 AM - 01:40 AM	52.4	46.8	-	54.9	45.4	8.6
01:40 AM - 01:45 AM	50.4	46.2	-	51.3	44.3	7.0
01:45 AM - 01:50 AM	46.3	45.1	-	43.1	43.5	-0.4
01:50 AM - 01:55 AM	48.6	47.8	-	43.9	45.3	-1.4
01:55 AM - 02:00 AM	53.9	52.1	-	52.2	48.6	3.6
02:00 AM - 02:05 AM	58.0	56.7	-	55.1	54.8	0.3
02:05 AM - 02:10 AM	58.7	56.9	-	57.0	55.7	1.3
02:10 AM - 02:15 AM	58.9	58.1	-	54.2	55.2	-1.0
02:15 AM - 02:20 AM	57.0	55.8	-	53.8	55.0	-1.2
02:20 AM - 02:25 AM	53.4	53.6	-	n/a	51.8	-
02:25 AM - 02:30 AM	49.0	50.7	-	n/a	-	-
02:30 AM - 02:35 AM	48.4	48.9	-	n/a	46.5	-
02:35 AM - 02:40 AM	49.4	48.2	-	48.2	45.6	0.6
02:40 AM - 02:45 AM	49.8	47.8	-	48.5	44.7	3.8
02:45 AM - 02:50 AM	49.3	46.4	-	49.2	44.6	4.6
02:50 AM - 02:55 AM	49.1	45.1	-	49.9	44.2	5.7
02:55 AM - 03:00 AM	49.5	45.2	-	50.5	44.3	6.2
03:00 AM - 03:05 AM	49.5	47.4	-	48.3	44.5	3.8
03:05 AM - 03:10 AM	49.7	44.9	-	51.0	44.1	6.9
03:10 AM - 03:15 AM	50.2	45.3	-	51.5	44.3	7.2
03:15 AM - 03:20 AM	50.3	46.3	-	51.6	44.3	7.2
03:20 AM - 03:25 AM	50.8	45.8	-	52.1	44.7	7.4
03:25 AM - 03:30 AM	50.4	45.6	-	51.7	44.6	7.1
03:30 AM - 03:35 AM	50.5	46.1	-	51.5	44.7	6.8
03:35 AM - 03:40 AM	50.4	45.8	-	51.6	44.7	6.9

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Wibab.

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Manager

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company



Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599083
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459349-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599083-10
Parameter : เสียงรบกวน
Location : บ้านพักที่ 15 ซอยและแนวบ้านด้านทิศเหนือของโครงการ ส่วนขยาย พื้นที่สวนยางพารา (NB) (GPS 47P 0746039, 1427094)
Measurement Date : Nov 18 - 19, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 920831

Page 3 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงจากไม่มีการขนาน	ค่าเฉลี่ย (dB(A))		เสียงที่ฐาน	ค่าเฉลี่ยการขนาน
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	50.6	46.1	-	51.7	44.8	6.9
03:45 AM - 03:50 AM	50.6	45.9	-	51.8	44.6	7.2
03:50 AM - 03:55 AM	50.6	45.7	-	51.9	44.8	7.1
03:55 AM - 04:00 AM	50.3	45.9	-	51.3	45.0	6.3
04:00 AM - 04:05 AM	49.8	46.1	-	52.0	45.4	6.6
04:05 AM - 04:10 AM	49.8	46.4	-	52.1	45.4	4.7
04:10 AM - 04:15 AM	49.8	46.7	-	49.9	45.7	4.2
04:15 AM - 04:20 AM	50.0	46.3	-	50.6	45.4	5.2
04:20 AM - 04:25 AM	49.8	47.3	-	49.2	46.1	3.1
04:25 AM - 04:30 AM	49.2	47.1	-	48.0	45.7	2.3
04:30 AM - 04:35 AM	49.1	46.9	-	48.1	45.7	2.4
04:35 AM - 04:40 AM	49.2	53.4	-	49.4	46.2	-
04:40 AM - 04:45 AM	49.0	-	-	46.9	46.3	0.6
04:45 AM - 04:50 AM	49.3	47.6	-	47.4	46.4	1.0
04:50 AM - 04:55 AM	49.2	47.6	-	47.1	46.6	0.5
04:55 AM - 05:00 AM	48.6	47.8	-	43.9	46.5	-2.6
05:00 AM - 05:05 AM	49.6	47.0	-	48.1	46.0	3.2
05:05 AM - 05:10 AM	50.3	47.7	-	49.1	46.3	3.6
05:10 AM - 05:15 AM	50.6	47.4	-	50.8	46.0	4.8
05:15 AM - 05:20 AM	50.7	46.7	-	51.7	45.7	6.0
05:20 AM - 05:25 AM	49.6	46.1	-	50.0	45.5	4.5
05:25 AM - 05:30 AM	49.0	46.1	-	48.9	45.3	3.6
05:30 AM - 05:35 AM	49.1	46.1	-	49.2	44.9	4.3
05:35 AM - 05:40 AM	49.7	46.5	-	49.5	45.4	4.5
05:40 AM - 05:45 AM	49.9	46.6	-	50.2	45.3	4.9
05:45 AM - 05:50 AM	50.1	46.3	-	50.8	45.2	5.6
05:50 AM - 05:55 AM	49.7	46.8	-	50.4	45.0	5.4
05:55 AM - 06:00 AM	49.8	45.8	-	50.6	44.9	5.7
06:00 AM - 07:00 AM	49.4	46.2	46.6	-	45.3	1.3
07:00 AM - 08:00 AM	48.6	46.8	47.8	-	45.6	1.6
08:00 AM - 09:00 AM	46.5	46.8	-	-	45.3	-
09:00 AM - 10:00 AM	48.7	48.4	36.9	-	46.4	0.5



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. 2599083-11
Parameter เสียงตามสาย
Location บ้านเพ็ญพิสัยตามแนวชายฝั่งด้านทิศตะวันออกโครงการ ส่วนขยาย ท่าเรืออุตสาหกรรมฟาร์ม (NB) (GPS 47P 0746039, 1427094)
Measurement Date Nov 19 - 20, 2025
Measurement by Apichart Wilars
Sound Level Meter 920831

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	50.4	47.1	47.7	-	45.1	2.6
11:00 AM - 12:00 PM	44.6	45.8	n/a	-	44.0	-
12:00 PM - 01:00 PM	49.5	46.7	46.3	-	44.0	1.9
01:00 PM - 02:00 PM	46.8	46.4	36.2	-	43.9	-7.7
02:00 PM - 03:00 PM	46.2	45.4	38.5	-	43.8	-5.3
03:00 PM - 04:00 PM	44.6	45.1	n/a	-	43.4	-
04:00 PM - 05:00 PM	45.2	45.2	n/a	-	43.9	-
05:00 PM - 06:00 PM	46.8	45.6	40.6	-	44.2	-3.6
06:00 PM - 07:00 PM	54.5	47.7	53.5	-	46.4	7.1
07:00 PM - 08:00 PM	53.0	48.4	51.4	-	46.1	4.9
08:00 PM - 09:00 PM	52.1	47.3	50.4	-	46.0	4.4
09:00 PM - 10:00 PM	52.4	46.1	50.4	-	45.1	5.3
10:00 PM - 10:05 PM	52.8	46.5	-	54.6	45.3	9.3
10:05 PM - 10:10 PM	52.7	46.7	-	54.4	45.8	8.6
10:10 PM - 10:15 PM	52.7	46.6	-	54.5	45.5	9.0
10:15 PM - 10:20 PM	52.5	46.5	-	54.2	45.6	8.6
10:20 PM - 10:25 PM	50.6	46.1	-	51.7	44.9	6.8
10:25 PM - 10:30 PM	50.6	46.6	-	51.4	45.6	5.8
10:30 PM - 10:35 PM	51.9	46.6	-	53.4	45.4	8.0
10:35 PM - 10:40 PM	53.3	46.3	-	55.3	45.2	10.1
10:40 PM - 10:45 PM	51.9	46.6	-	53.4	45.1	8.3
10:45 PM - 10:50 PM	50.9	47.2	-	51.5	45.5	6.0
10:50 PM - 10:55 PM	52.7	46.7	-	54.4	45.3	9.1
10:55 PM - 11:00 PM	52.3	45.8	-	54.2	44.7	9.5
11:00 PM - 11:05 PM	52.7	45.7	-	54.7	44.4	10.3
11:05 PM - 11:10 PM	53.7	45.6	-	56.0	44.2	11.6
11:10 PM - 11:15 PM	53.3	45.2	-	55.5	44.0	11.3
11:15 PM - 11:20 PM	54.2	46.4	-	56.4	44.2	11.9
11:20 PM - 11:25 PM	53.2	46.6	-	55.3	45.4	9.9
11:25 PM - 11:30 PM	55.2	46.5	-	57.6	45.1	12.3
11:30 PM - 11:35 PM	52.9	46.6	-	54.7	45.4	9.3
11:35 PM - 11:40 PM	53.4	46.9	-	55.3	45.6	9.7
11:40 PM - 11:45 PM	53.2	46.2	-	55.3	45.0	10.3
11:45 PM - 11:50 PM	52.5	52.3	-	42.0	45.1	-3.1
11:50 PM - 11:55 PM	52.8	46.5	-	54.6	45.3	6.3
11:55 PM - 12:00 AM	53.1	45.9	-	55.2	45.0	10.2
12:00 AM - 12:05 AM	52.9	46.5	-	54.8	45.2	9.4
12:05 AM - 12:10 AM	52.5	46.5	-	54.2	45.4	8.8
12:10 AM - 12:15 AM	52.8	46.1	-	54.8	44.9	9.9
12:15 AM - 12:20 AM	53.1	45.5	-	55.3	44.7	10.6

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Life Sciences

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RIGHT SOLUTIONS. RIGHT PARTNER



TESTING

No. 0042



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. 2599083-11
Parameter เสียงตามสาย
Location บ้านเพ็ญพิสัยตามแนวชายฝั่งด้านทิศตะวันออกโครงการ ส่วนขยาย ท่าเรืออุตสาหกรรมฟาร์ม (NB) (GPS 47P 0746039, 1427094)
Measurement Date Nov 19 - 20, 2025
Measurement by Apichart Wilars
Sound Level Meter 920831

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
12:20 AM - 12:25 AM	52.0	45.8	-	53.8	44.8	9.0
12:25 AM - 12:30 AM	52.6	46.3	-	54.4	45.3	9.1
12:30 AM - 12:35 AM	52.9	46.3	-	54.8	45.3	9.3
12:35 AM - 12:40 AM	52.5	46.1	-	54.4	44.9	9.5
12:40 AM - 12:45 AM	50.0	46.2	-	50.7	45.0	5.7
12:45 AM - 12:50 AM	51.0	46.3	-	52.2	44.8	7.4
12:50 AM - 12:55 AM	51.0	46.2	-	52.2	45.1	7.1
12:55 AM - 01:00 AM	51.7	46.6	-	53.1	45.3	7.8
01:00 AM - 01:05 AM	49.4	46.2	-	49.6	44.9	4.7
01:05 AM - 01:10 AM	49.1	46.4	-	48.5	45.7	3.3
01:10 AM - 01:15 AM	51.0	46.3	-	52.2	45.2	7.0
01:15 AM - 01:20 AM	51.2	46.7	-	52.3	45.4	6.9
01:20 AM - 01:25 AM	52.7	46.8	-	54.4	44.9	9.5
01:25 AM - 01:30 AM	52.7	45.6	-	54.8	44.6	10.2
01:30 AM - 01:35 AM	52.6	46.4	-	54.4	45.2	9.2
01:35 AM - 01:40 AM	52.4	45.4	-	54.4	44.4	10.0
01:40 AM - 01:45 AM	49.8	46.5	-	50.1	44.9	5.2
01:45 AM - 01:50 AM	48.7	45.7	-	48.7	44.4	4.3
01:50 AM - 01:55 AM	49.4	45.3	-	50.3	44.5	5.8
01:55 AM - 02:00 AM	49.2	45.1	-	50.1	44.2	5.9
02:00 AM - 02:05 AM	49.0	44.9	-	49.9	43.9	6.0
02:05 AM - 02:10 AM	49.8	45.4	-	50.8	44.2	6.6
02:10 AM - 02:15 AM	49.7	45.7	-	49.9	45.1	4.8
02:15 AM - 02:20 AM	49.8	46.4	-	50.1	45.1	5.0
02:20 AM - 02:25 AM	50.4	51.9	-	n/a	45.3	-
02:25 AM - 02:30 AM	50.2	46.0	-	51.1	44.8	8.2
02:30 AM - 02:35 AM	50.3	46.0	-	51.3	44.8	8.6
02:35 AM - 02:40 AM	52.0	46.5	-	53.6	45.0	8.6
02:40 AM - 02:45 AM	52.4	46.6	-	54.1	45.2	8.9
02:45 AM - 02:50 AM	51.6	45.5	-	51.8	45.0	7.8
02:50 AM - 02:55 AM	51.5	45.9	-	52.9	45.5	7.5
02:55 AM - 03:00 AM	51.1	45.9	-	52.5	44.6	7.9
03:00 AM - 03:05 AM	51.6	45.3	-	53.4	44.8	9.0
03:05 AM - 03:10 AM	51.0	45.9	-	52.4	44.8	7.8
03:10 AM - 03:15 AM	51.0	47.0	-	51.8	45.6	6.2
03:15 AM - 03:20 AM	49.2	47.2	-	47.9	45.4	2.5
03:20 AM - 03:25 AM	49.8	46.7	-	49.8	44.9	5.0
03:25 AM - 03:30 AM	49.4	46.7	-	49.1	45.5	3.6
03:30 AM - 03:35 AM	49.6	46.7	-	49.0	45.0	4.0
03:35 AM - 03:40 AM	48.9	45.8	-	49.0	44.9	4.1

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. 2599083-11
Parameter เสียงตามสาย
Location บ้านเพ็ญพิสัยตามแนวชายฝั่งด้านทิศตะวันออกโครงการ ส่วนขยาย ท่าเรืออุตสาหกรรมฟาร์ม (NB) (GPS 47P 0746039, 1427094)
Measurement Date Nov 19 - 20, 2025
Measurement by Apichart Wilars
Sound Level Meter 920831

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	48.8	45.5	-	49.1	44.3	4.8
03:45 AM - 03:50 AM	49.1	45.8	-	49.4	44.4	5.0
03:50 AM - 03:55 AM	48.9	45.3	-	49.4	44.2	5.2
03:55 AM - 04:00 AM	48.9	46.7	-	49.8	43.9	5.9
04:00 AM - 04:05 AM	49.0	45.8	-	49.2	44.5	4.7
04:05 AM - 04:10 AM	48.8	46.0	-	48.6	44.9	3.7
04:10 AM - 04:15 AM	48.5	45.7	-	48.3	44.5	3.8
04:15 AM - 04:20 AM	49.5	46.3	-	49.7	45.3	4.4
04:20 AM - 04:25 AM	49.5	45.5	-	50.3	44.3	6.0
04:25 AM - 04:30 AM	50.3	45.1	-	51.7	44.0	7.3
04:30 AM - 04:35 AM	49.7	44.9	-	51.0	43.7	7.3
04:35 AM - 04:40 AM	51.7	44.8	-	53.7	44.0	9.7
04:40 AM - 04:45 AM	49.4	45.0	-	50.4	43.8	6.6
04:45 AM - 04:50 AM	49.6	44.2	-	51.1	43.2	7.8
04:50 AM - 04:55 AM	49.6	45.2	-	50.6	43.6	7.0
04:55 AM - 05:00 AM	49.5	45.4	-	50.4	44.4	6.0
05:00 AM - 05:05 AM	49.3	45.1	-	50.2	44.3	5.9
05:05 AM - 05:10 AM	49.1	44.8	-	50.1	43.8	6.3
05:10 AM - 05:15 AM	49.0	44.0	-	50.3	43.1	7.2
05:15 AM - 05:20 AM	49.4	44.6	-	50.7	43.6	7.1
05:20 AM - 05:25 AM	48.9	45.0	-	49.6	44.1	5.5
05:25 AM - 05:30 AM	48.4	44.9	-	48.8	43.8	5.0
05:30 AM - 05:35 AM	48.3	45.0	-	48.6	43.7	4.9
05:35 AM - 05:40 AM	48.0	44.6	-	48.3	43.1	5.2
05:40 AM - 05:45 AM	48.0	45.4	-	47.5	44.1	3.4
05:45 AM - 05:50 AM	47.7	44.8	-	47.6	43.8	3.8
05:50 AM - 05:55 AM	48.2	45.4	-	48.2	44.1	3.9
05:55 AM - 06:00 AM	47.2	44.7	-	46.6	43.4	3.2
06:00 AM - 07:00 AM	46.6	44.4	42.6	-	42.9	-0.3
07:00 AM - 08:00 AM	45.9	45.5	35.3	-	43.6	-8.3
08:00 AM - 09:00 AM	49.1	48.3	41.4	-	46.0	-4.8
09:00 AM - 10:00 AM	48.4	48.7	n/a	-	45.9	-

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดเสียงสิ่งแวดล้อม เสียงขณะมีการรบกวน การตรวจวัดเสียงค่าเฉลี่ยต่อเนื่องของการรบกวน การคำนวณค่าการรบกวน และแบบฝึกหัดการคำนวณเสียงตาม พ.ศ. 2565

หมายเหตุ : อัตราค่าตรวจการตามสิ่งแวดล้อมของฝ่าย 29 (บ.ค.2550) (เรื่อง การประเมินผลกระทบ)

Remark :

- ขอเสนอรายงานผลการตรวจวัดเสียงตามสาย วันที่ 19-20 พฤศจิกายน 2568
- ขอเสนอเสียงพื้นฐานและเสียงขณะไม่มีการรบกวน (Sample No. 2599084-11) วันที่ตรวจวัด 19-20 พฤศจิกายน 2568
- ก/ข. ไม่สามารถรายงานค่าเสียงขณะมีการรบกวนได้ เนื่องจากเครื่องมือที่ใช้ไม่สามารถทำการประเมินเสียงขณะไม่มีการรบกวน

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TESTING

No. 0042



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. 2599083-12
Parameter เสียงตามสาย
Location บ้านเพ็ญพิสัยตามแนวชายฝั่งด้านทิศตะวันออกโครงการ ส่วนขยาย ท่าเรืออุตสาหกรรมฟาร์ม (NB) (GPS 47P 0746039, 1427094)
Measurement Date Nov 20 - 21, 2025
Measurement by Apichart Wilars
Sound Level Meter 920831

ชุมชนเมือง (DB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	47.1	47.1	n/a	-	45.3	-
11:00 AM - 12:00 PM	47.0	47.3	n/a	-	45.3	-
12:00 PM - 01:00 PM	44.7	45.8	n/a	-	44.0	-
01:00 PM - 02:00 PM	49.6	45.9	47.2	-	44.1	3.1
02:00 PM - 03:00 PM	47.3	46.8	n/a	-	46.8	-
03:00 PM - 04:00 PM	47.9	46.6	n/a	-	46.3	-
04:00 PM - 05:00 PM	47.3	47.8	n/a	-	45.5	-
05:00 PM - 06:00 PM	46.1	47.1	n/a	-	45.6	-
06:00 PM - 07:00 PM	51.8	52.6	n/a	-	45.9	-
07:00 PM - 08:00 PM	51.7	52.9	n/a	-	45.7	-
08:00 PM - 09:00 PM	50.5	48.4	46.3	-	45.4	0.9
09:00 PM - 10:00 PM	50.5	48.2	n/a	-	44.1	-
10:00 PM - 10:05 PM	48.6	45.3	-	48.9	44.0	4.9
10:05 PM - 10:10 PM	48.7	44.7	-	49.5	43.5	6.0
10:10 PM - 10:15 PM	48.3	44.3	-	48.5	43.8	4.8
10:15 PM - 10:20 PM	50.1	46.3	-	50.8	44.8	6.0
10:20 PM - 10:25 PM	48.9	45.9	-	48.9	44.5	4.4
10:25 PM - 10:30 PM	50.1	46.0	-	51.0	44.6	6.4
10:30 PM - 10:35 PM	52.0	53.6	-	n/a	46.1	-
10:35 PM - 10:40 PM	49.7	46.5	-	49.9	43.9	6.0
10:40 PM - 10:45 PM	49.7	46.7	-	49.8	43.4	-
10:45 PM - 10:50 PM	49.9	45.7	-	50.8	43.8	7.0
10:50 PM - 10:55 PM	49.7	44.5	-	51.1	43.3	7.8
10:55 PM - 11:00 PM	50.4	44.6	-	52.1	43.6	8.5
11:00 PM - 11:05 PM	50.0	44.9	-	51.4	43.7	7.7
11:05 PM - 11:10 PM	49.8	49.8	-	n/a	43.8	-
11:10 PM - 11:15 PM	50.7	44.7	-	52.4	43.4	8.0
11:15 PM - 11:20 PM	50.4	45.4	-	51.9	43.5	8.4
11:20 PM - 11:25 PM	49.8	44.6	-	51.2	43.1	8.1
11:25 PM - 11:30 PM	48.9	44.3	-	50.1	43.1	7.0
11:30 PM - 11:35 PM	50.0	44.0	-	51.7	43.0	8.7
11:35 PM - 11:40 PM	50.5	44.7	-	52.2	43.6	8.6
11:40 PM - 11:45 PM	50.2	44.3	-	51.9	43.0	8.9
11:45 PM - 11:50 PM	50.1	44.3	-	51.8	42.8	9.0
11:50 PM - 11:55 PM	50.0	44.0	-	51.7	42.8	8.9
11:55 PM - 12:00 AM	50.0	44.2	-	51.6	43.4	8.2
12:00 AM - 12:05 AM	49.9	44.2	-	51.5	43.3	8.2
12:05 AM - 12:10 AM	49.2	44.3	-	50.5	43.3	7.2
12:10 AM - 12:15 AM	49.7	45.1	-	50.9	43.5	7.4
12:15 AM - 12:20 AM	49.7	45.1	-	50.7	43.6	7.1



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599083-12
Parameter : เสียงตาม
Location : บ้านพักที่สี่แยกและบริเวณด้านข้างทางทิศตะวันออกของโครงการ ส่วนขยาย ปะติธิตสมายภาพฯ (NB) (GPS 47P 0746039, 1427094)
Measurement Date : Nov 20 - 21, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 920831

จุดสนใจ (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน	ค่าเฉลี่ย	เสียงที่ฐาน	ค่าเฉลี่ย
12:20 AM - 12:25 AM	48.2	45.2	-	48.2	43.5	4.7
12:25 AM - 12:30 AM	47.7	44.4	-	48.0	43.3	4.7
12:30 AM - 12:35 AM	47.5	44.3	-	47.7	43.3	4.4
12:35 AM - 12:40 AM	47.5	44.4	-	47.6	43.3	4.3
12:40 AM - 12:45 AM	47.5	44.3	-	47.7	43.1	4.6
12:45 AM - 12:50 AM	48.5	43.7	-	49.8	42.6	7.2
12:50 AM - 12:55 AM	47.8	46.1	-	48.4	42.7	5.7
12:55 AM - 01:00 AM	48.8	44.7	-	49.7	43.3	6.4
01:00 AM - 01:05 AM	48.2	44.4	-	48.9	43.1	5.8
01:05 AM - 01:10 AM	47.5	48.1	-	47.8	42.7	5.1
01:10 AM - 01:15 AM	48.1	45.6	-	47.5	42.6	4.9
01:15 AM - 01:20 AM	48.6	44.1	-	49.7	42.8	6.9
01:20 AM - 01:25 AM	48.8	46.1	-	48.5	42.2	5.2
01:25 AM - 01:30 AM	48.6	46.8	-	46.9	44.8	2.1
01:30 AM - 01:35 AM	50.9	46.0	-	52.2	43.6	8.6
01:35 AM - 01:40 AM	48.4	43.9	-	49.5	42.8	6.7
01:40 AM - 01:45 AM	49.3	46.3	-	50.6	43.1	7.5
01:45 AM - 01:50 AM	49.3	44.7	-	50.2	43.1	7.6
01:50 AM - 01:55 AM	48.8	44.3	-	49.9	43.1	6.6
01:55 AM - 02:00 AM	48.4	44.8	-	49.9	43.3	5.6
02:00 AM - 02:05 AM	48.4	44.6	-	49.1	43.5	5.6
02:05 AM - 02:10 AM	48.4	44.9	-	48.8	43.8	5.0
02:10 AM - 02:15 AM	48.9	44.7	-	49.8	43.8	6.0
02:15 AM - 02:20 AM	49.8	45.3	-	50.9	44.1	6.8
02:20 AM - 02:25 AM	49.1	44.8	-	50.1	43.5	6.6
02:25 AM - 02:30 AM	49.0	44.8	-	49.9	43.5	6.4
02:30 AM - 02:35 AM	49.1	45.1	-	49.9	43.9	6.3
02:35 AM - 02:40 AM	48.8	45.5	-	49.1	44.1	5.0
02:40 AM - 02:45 AM	48.6	45.9	-	48.3	44.5	3.8
02:45 AM - 02:50 AM	49.4	45.9	-	49.8	44.6	5.4
02:50 AM - 02:55 AM	50.5	48.2	-	49.6	45.4	4.2
02:55 AM - 03:00 AM	51.9	47.1	-	53.2	45.3	7.9
03:00 AM - 03:05 AM	51.4	46.9	-	52.9	45.3	7.4
03:05 AM - 03:10 AM	51.6	46.8	-	52.9	45.2	7.7
03:10 AM - 03:15 AM	51.8	47.1	-	53.0	45.5	7.5
03:15 AM - 03:20 AM	51.6	46.8	-	52.9	45.6	7.3
03:20 AM - 03:25 AM	51.4	47.3	-	52.3	45.8	6.5
03:25 AM - 03:30 AM	51.3	47.6	-	51.9	45.7	6.2
03:30 AM - 03:35 AM	51.3	46.5	-	52.6	45.5	7.1
03:35 AM - 03:40 AM	50.9	46.7	-	51.8	45.3	6.5

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Approved by

Wibab.
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TESTING
No. 0042

Lot ID: 2599083
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459351-1

Page 2 of 3



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599083-12
Parameter : เสียงตาม
Location : บ้านพักที่สี่แยกและบริเวณด้านข้างทางทิศตะวันออกของโครงการ ส่วนขยาย ปะติธิตสมายภาพฯ (NB) (GPS 47P 0746039, 1427094)
Measurement Date : Nov 20 - 21, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 920831

จุดสนใจ (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน	ค่าเฉลี่ย	เสียงที่ฐาน	ค่าเฉลี่ย
03:40 AM - 03:45 AM	51.0	46.1	-	52.3	44.8	7.5
03:45 AM - 03:50 AM	50.8	46.5	-	51.8	45.0	6.8
03:50 AM - 03:55 AM	50.3	46.0	-	51.3	44.6	6.7
03:55 AM - 04:00 AM	49.9	46.8	-	50.0	45.1	4.7
04:00 AM - 04:05 AM	50.2	46.3	-	50.9	45.1	5.8
04:05 AM - 04:10 AM	50.3	46.2	-	51.2	44.8	6.4
04:10 AM - 04:15 AM	50.3	46.3	-	51.1	44.9	6.2
04:15 AM - 04:20 AM	49.1	46.1	-	49.1	44.6	4.5
04:20 AM - 04:25 AM	48.2	44.9	-	48.5	43.4	5.1
04:25 AM - 04:30 AM	50.5	48.1	-	48.3	43.3	5.0
04:30 AM - 04:35 AM	48.9	44.9	-	49.7	43.7	6.0
04:35 AM - 04:40 AM	49.7	45.4	-	50.7	44.2	6.5
04:40 AM - 04:45 AM	50.1	46.1	-	50.9	44.8	6.1
04:45 AM - 04:50 AM	49.7	46.6	-	49.8	45.5	4.3
04:50 AM - 04:55 AM	50.5	47.8	-	50.2	46.2	4.0
04:55 AM - 05:00 AM	52.4	49.7	-	52.1	47.8	4.3
05:00 AM - 05:05 AM	51.6	49.3	-	50.7	47.6	3.1
05:05 AM - 05:10 AM	50.8	48.2	-	50.3	46.5	3.8
05:10 AM - 05:15 AM	50.7	48.0	-	50.4	46.6	3.8
05:15 AM - 05:20 AM	48.1	48.1	-	49.8	46.5	3.3
05:20 AM - 05:25 AM	50.7	48.2	-	50.1	46.0	4.1
05:25 AM - 05:30 AM	51.1	47.9	-	51.3	46.0	5.3
05:30 AM - 05:35 AM	50.9	47.6	-	51.2	45.8	5.4
05:35 AM - 05:40 AM	50.4	47.8	-	49.9	46.0	3.9
05:40 AM - 05:45 AM	50.0	47.9	-	48.8	45.5	3.3
05:45 AM - 05:50 AM	48.9	50.4	-	n/a	46.1	-
05:50 AM - 05:55 AM	50.3	50.7	-	n/a	46.0	-
05:55 AM - 06:00 AM	50.5	48.8	-	48.6	46.3	2.3
06:00 AM - 07:00 AM	47.9	47.3	39.0	-	45.6	-6.6
07:00 AM - 08:00 AM	47.9	47.2	39.6	-	45.0	-5.4
08:00 AM - 09:00 AM	47.7	47.7	n/a	-	45.6	-
09:00 AM - 10:00 AM	47.7	48.2	n/a	-	46.2	-

ค่าเฉลี่ยฐาน : 5.10

Reference Method :

- ISO 1996-1
- ประกาศกระทรวงมหาดไทยฉบับที่ 2599083-12 วันที่ 20-21 พฤศจิกายน 2568
- ประกาศกระทรวงมหาดไทยฉบับที่ 2599083-12 วันที่ 20-21 พฤศจิกายน 2568

หมายเหตุ :

- จุดสนใจเสียงจากแหล่งกำเนิด มีการตรวจวัด ณ วันที่ 20-21 พฤศจิกายน 2568
- จุดสนใจเสียงขณะไม่มีการรบกวน มีการตรวจวัด ณ วันที่ 20-21 พฤศจิกายน 2568
- จุดสนใจเสียงขณะมีการรบกวน มีการตรวจวัด ณ วันที่ 20-21 พฤศจิกายน 2568

หมายเหตุ : ผลการตรวจวัดค่าเสียงขณะมีการรบกวน ณ วันที่ 29 (พ.ค.2550) เป็นค่าเฉลี่ยเสียงตาม

Remark:

1. จุดสนใจเสียงจากแหล่งกำเนิด มีการตรวจวัด ณ วันที่ 20-21 พฤศจิกายน 2568

2. จุดสนใจเสียงขณะไม่มีการรบกวน มีการตรวจวัด ณ วันที่ 20-21 พฤศจิกายน 2568

3. จุดสนใจเสียงขณะมีการรบกวน มีการตรวจวัด ณ วันที่ 20-21 พฤศจิกายน 2568

หมายเหตุ :

จุดสนใจเสียงจากแหล่งกำเนิด มีการตรวจวัด ณ วันที่ 20-21 พฤศจิกายน 2568

Remark:

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TESTING
No. 0042

Lot ID: 2599083
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459351-1

Page 2 of 3



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599083-13
Parameter : เสียงตาม
Location : บ้านพักที่สี่แยกและบริเวณด้านข้างทางทิศตะวันออกของโครงการ ส่วนขยาย ปะติธิตสมายภาพฯ (NB) (GPS 47P 0746039, 1427094)
Measurement Date : Nov 21 - 22, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 920831

จุดสนใจ (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน	ค่าเฉลี่ย	เสียงที่ฐาน	ค่าเฉลี่ย
10:00 AM - 11:00 AM	58.4	50.3	57.7	-	47.2	10.5
11:00 AM - 12:00 PM	47.6	48.3	n/a	-	46.1	-
12:00 PM - 01:00 PM	44.8	45.6	n/a	-	45.8	-
01:00 PM - 02:00 PM	44.4	45.5	n/a	-	43.9	-
02:00 PM - 03:00 PM	45.6	48.1	n/a	-	46.2	-
03:00 PM - 04:00 PM	47.8	47.2	38.9	-	45.5	4.6
04:00 PM - 05:00 PM	47.9	47.6	36.1	-	46.0	-9.9
05:00 PM - 06:00 PM	47.4	47.1	35.6	-	45.5	-9.9
06:00 PM - 07:00 PM	53.0	51.6	47.4	-	46.0	1.4
07:00 PM - 08:00 PM	51.8	47.1	50.0	-	45.8	4.2
08:00 PM - 09:00 PM	51.2	47.3	48.9	-	45.3	3.6
09:00 PM - 10:00 PM	50.2	47.2	47.2	-	44.8	2.4
10:00 PM - 10:05 PM	52.1	46.8	59.8	-	44.6	15.2
10:05 PM - 10:10 PM	55.0	50.0	56.3	-	44.5	11.8
10:10 PM - 10:15 PM	53.6	55.3	-	n/a	44.5	-
10:15 PM - 10:20 PM	50.8	46.2	52.9	-	44.8	7.2
10:20 PM - 10:25 PM	51.1	45.7	52.6	-	44.6	8.0
10:25 PM - 10:30 PM	51.6	47.4	52.5	-	45.4	7.1
10:30 PM - 10:35 PM	50.5	49.4	50.0	-	46.5	0.5
10:35 PM - 10:40 PM	50.9	47.8	51.0	-	45.9	5.1
10:40 PM - 10:45 PM	52.7	46.6	54.5	-	44.5	10.0
10:45 PM - 10:50 PM	50.1	46.2	50.8	-	44.7	6.1
10:50 PM - 10:55 PM	49.6	45.0	50.8	-	44.0	6.8
10:55 PM - 11:00 PM	49.4	44.8	50.6	-	43.7	6.9
11:00 PM - 11:05 PM	49.3	45.4	50.0	-	44.4	5.6
11:05 PM - 11:10 PM	47.1	45.1	45.8	-	43.0	2.3
11:10 PM - 11:15 PM	50.2	45.1	51.6	-	43.9	7.7
11:15 PM - 11:20 PM	49.6	44.9	50.8	-	43.8	7.0
11:20 PM - 11:25 PM	50.9	45.2	52.5	-	44.3	8.2
11:25 PM - 11:30 PM	50.2	46.3	51.9	-	43.5	8.4
11:30 PM - 11:35 PM	49.6	44.2	51.1	-	43.3	7.8
11:35 PM - 11:40 PM	49.5	43.7	51.2	-	43.1	8.1
11:40 PM - 11:45 PM	50.5	44.4	52.3	-	43.6	8.7
11:45 PM - 11:50 PM	50.2	44.4	51.9	-	43.4	8.5
11:50 PM - 11:55 PM	49.1	44.5	51.7	-	43.3	8.4
11:55 PM - 12:00 AM	49.7	44.2	51.3	-	43.3	7.9
12:00 AM - 12:05 AM	50.9	44.2	51.5	-	43.3	8.2
12:05 AM - 12:10 AM	46.8	44.0	46.6	-	42.7	3.9
12:10 AM - 12:15 AM	47.5	44.4	47.6	-	43.2	4.4
12:15 AM - 12:20 AM	49.0	45.0	49.8	-	44.0	5.8

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599083-13
Parameter : เสียงตาม
Location : บ้านพักที่สี่แยกและบริเวณด้านข้างทางทิศตะวันออกของโครงการ ส่วนขยาย ปะติธิตสมายภาพฯ (NB) (GPS 47P 0746039, 1427094)
Measurement Date : Nov 21 - 22, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 920831

จุดสนใจ (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงที่ฐาน	ค่าเฉลี่ย
			ค่าจำวน	ค่าเฉลี่ย		
12:20 AM - 12:25 AM	49.5	45.2	-	50.5	44.2	6.3
12:25 AM - 12:30 AM	49.8	45.1	-	51.0	44.0	7.0
12:30 AM - 12:35 AM	50.4	45.7	-	51.6	44.2	7.4
12:35 AM - 12:40 AM	50.0	45.3	-	50.8	43.6	44.0
12:40 AM - 12:45 AM	50.0	50.9	-	50.8	44.1	-
12:45 AM - 12:50 AM	50.3	45.5	-	51.6	44.1	7.5
12:50 AM - 12:55 AM	50.4	45.0	-	51.9	43.7	8.2
12:55 AM - 01:00 AM	50.5	45.3	-	52.1	43.7	8.4
01:00 AM - 01:05 AM	50.7	45.1	-	52.3	44.1	8.2
01:05 AM - 01:10 AM	50.6	45.1	-	52.2	44.1	8.1
01:10 AM - 01:15 AM	51.2	45.6	-	52.8	43.9	8.9
01:15 AM - 01:20 AM	50.4	45.9	-	51.7	44.0	7.7
01:20 AM - 01:25 AM	49.8	45.4	-	50.8	44.2	6.6
01:25 AM - 01:30 AM	48.6	45.6	-	48.6	44.3	4.3
01:30 AM - 01:35 AM	48.7	47.8	-	44.4	44.3	0.1
01:35 AM - 01:40 AM	48.9	45.5	-	49.2	44.4	4.8
01:40 AM - 01:45 AM	48.9	45.3	-	49.4	44.2	5.2
01:45 AM - 01:50 AM	48.6	45.7	-	48.5	43.3	5.2
01:50 AM - 01:55 AM	48.2	44.6	-	48.7	43.5	5.2
01:55 AM - 02:00 AM	47.8	44.3	-	48.3	43.3	4.9
02:00 AM - 02:05 AM	48.3	44.3	-	49.1	43.2	5.9
02:05 AM - 02:10 AM	48.6	44.8	-	49.5	43.4	6.1
02:10 AM - 02:15 AM	48.7	45.7	-	48.7	43.6	5.1
02:15 AM - 02:20 AM	49.2	47.6	-	47.1	43.2	4.9
02:20 AM - 02:25 AM	49.3	46.4	-	49.2	44.3	4.9
02:25 AM - 02:30 AM	49.0	46.0	-	49.0	43.9	5.1
02:30 AM - 02:35 AM	47.0	-	-	46.1	43.2	2.9
02:35 AM - 02:40 AM	46.7	44.2	-	46.1	43.3	2.8
02:40 AM - 02:45 AM	47.0	44.3	-	46.7	43.3	3.4
02:45 AM - 02:50 AM	49.6	44.6	-	50.9	43.4	7.2
02:50 AM - 02:55 AM	50.9	44.8	-	52.7	43.8	8.9
02:55 AM - 03:00 AM	50.2	45.2	-	51.5	43.8	7.7
03:00 AM - 03:05 AM	50.4	44.9	-	52.0	43.6	8.4
03:05 AM - 03:10 AM	49.7	45.1	-	50.9	43.8	7.1
03:10 AM - 03:15 AM	49.8	44.7	-	51.2	43.6	7.6
03:15 AM - 03:20 AM	50.3	44.3	-	52.0	43.3	8.7
03:20 AM - 03:25 AM	49.4	45.1	-	50.4	43.9	6.5
03:25 AM - 03:30 AM	49.9	45.6	-	50.2	44.2	5.0
03:30 AM - 03:35 AM	50.6	46.4	-	51.5	45.1	6.4



Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599083
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459353-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599083-13
Parameter : เสียงตามบ้าน
Location : บ้านพักที่ 13 ต.บ้านนา หมู่ 13 ต.บ้านนา อ.บ้านนา จ.ราชบุรี (GPS 47P 0746039, 1427094)
Measurement Date : Nov 21 - 22, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 920831

เวลา	เสียงจากแหล่งกำเนิด	เสียงจากไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงที่รบกวน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	49.6	44.9	-	50.8	43.7	7.1
03:45 AM - 03:50 AM	49.0	44.8	-	49.9	43.7	6.2
03:50 AM - 03:55 AM	49.9	45.0	-	51.2	43.9	7.3
03:55 AM - 04:00 AM	49.3	44.5	-	50.6	43.3	7.3
04:00 AM - 04:05 AM	48.7	44.6	-	49.6	43.4	6.2
04:05 AM - 04:10 AM	49.2	44.4	-	50.5	43.2	7.3
04:10 AM - 04:15 AM	48.7	44.9	-	49.4	43.7	5.7
04:15 AM - 04:20 AM	49.1	44.3	-	50.3	43.6	6.7
04:20 AM - 04:25 AM	49.5	44.8	-	50.7	43.7	7.0
04:25 AM - 04:30 AM	49.5	45.2	-	50.5	44.1	6.4
04:30 AM - 04:35 AM	49.4	45.2	-	50.3	43.9	6.4
04:35 AM - 04:40 AM	49.3	45.0	-	50.3	43.9	6.4
04:40 AM - 04:45 AM	49.7	45.1	-	50.9	43.8	7.1
04:45 AM - 04:50 AM	49.8	44.4	-	51.3	43.2	8.1
04:50 AM - 04:55 AM	49.2	44.2	-	50.5	43.1	7.4
04:55 AM - 05:00 AM	49.1	44.3	-	50.4	43.2	7.2
05:00 AM - 05:05 AM	50.6	44.7	-	53.3	43.5	8.8
05:05 AM - 05:10 AM	50.1	45.4	-	51.3	43.8	7.5
05:10 AM - 05:15 AM	49.7	45.8	-	50.4	44.2	6.2
05:15 AM - 05:20 AM	49.8	45.9	-	50.5	44.6	5.9
05:20 AM - 05:25 AM	49.1	45.5	-	49.6	44.2	5.4
05:25 AM - 05:30 AM	49.5	45.9	-	50.0	44.4	5.6
05:30 AM - 05:35 AM	48.6	46.3	-	47.7	44.3	3.4
05:35 AM - 05:40 AM	49.1	45.2	-	49.8	44.1	5.7
05:40 AM - 05:45 AM	50.6	45.5	-	52.0	44.0	8.0
05:45 AM - 05:50 AM	50.5	45.6	-	51.8	44.3	7.5
05:50 AM - 05:55 AM	49.8	45.5	-	50.8	44.5	6.3
05:55 AM - 06:00 AM	49.5	45.4	-	50.4	44.1	6.3
06:00 AM - 07:00 AM	47.4	49.1	n/a	-	43.2	-
07:00 AM - 08:00 AM	46.2	45.6	n/a	-	42.2	-
08:00 AM - 09:00 AM	47.5	46.3	43.5	-	43.8	-0.3
09:00 AM - 10:00 AM	46.6	44.5	42.4	-	43.0	-0.6

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการมาตรฐานผลิตภัณฑ์ (เรื่อง) วิธีการตรวจวัดระดับเสียงที่รบกวน ระดับเสียงของไม่มีการรบกวน การตรวจวัดค่าระดับเสียงของไม่มีการรบกวน การคำนวณค่าระดับเสียงรวม และแบบบันทึกการตรวจวัดเสียงตามบ้าน พ.ศ. 2565

หมายเหตุ : ประกาศคณะกรรมการเรื่องข้อบังคับว่าด้วย 29 (พ.ศ.2550) เรื่อง ค่าระดับเสียงตามบ้าน

- ระดับเสียงจากแหล่งกำเนิด มีการตรวจวัด วันที่ 21-22 พฤศจิกายน 2568
- ระดับเสียงที่รบกวนและระดับเสียงของไม่มีการรบกวน (Sample No.2599084-13) มีการตรวจวัด วันที่ 21-22 พฤศจิกายน 2568
- ทุกค่าที่ได้มาจากการคำนวณระดับเสียงของไม่มีการรบกวนได้ เนื่องจากค่าระดับเสียงจากแหล่งกำเนิดสูงกว่าค่าระดับเสียงของไม่มีการรบกวน

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599083
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459353-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599083-14
Parameter : เสียงตามบ้าน
Location : บ้านพักที่ 14 ต.บ้านนา หมู่ 14 ต.บ้านนา อ.บ้านนา จ.ราชบุรี (GPS 47P 0746039, 1427094)
Measurement Date : Nov 22 - 23, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 920831

เวลา	เสียงจากแหล่งกำเนิด	เสียงจากไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงที่รบกวน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
12:20 AM - 12:25 AM	50.3	52.5	-	n/a	44.5	-
12:25 AM - 12:30 AM	50.2	53.1	-	n/a	45.0	-
12:30 AM - 12:35 AM	50.1	53.1	-	n/a	44.6	-
12:35 AM - 12:40 AM	49.8	48.2	-	47.7	44.2	3.5
12:40 AM - 12:45 AM	49.6	49.7	-	n/a	44.8	-
12:45 AM - 12:50 AM	49.7	50.7	-	47.3	44.2	-
12:50 AM - 12:55 AM	49.8	48.3	-	47.5	44.2	3.3
12:55 AM - 01:00 AM	49.2	48.7	-	42.6	43.8	-1.2
01:00 AM - 01:05 AM	49.3	49.5	-	n/a	44.6	-
01:05 AM - 01:10 AM	49.2	50.5	-	44.0	44.0	-
01:10 AM - 01:15 AM	48.7	50.7	-	n/a	44.8	-
01:15 AM - 01:20 AM	49.4	51.0	-	n/a	44.6	-
01:20 AM - 01:25 AM	49.9	50.4	-	n/a	44.6	-
01:25 AM - 01:30 AM	49.9	49.1	-	45.2	44.5	0.7
01:30 AM - 01:35 AM	49.2	48.4	-	44.5	44.6	-0.1
01:35 AM - 01:40 AM	49.4	46.5	-	45.1	44.7	0.4
01:40 AM - 01:45 AM	50.4	48.8	-	48.3	45.5	2.8
01:45 AM - 01:50 AM	50.2	50.6	-	n/a	44.6	-
01:50 AM - 01:55 AM	49.9	49.9	-	44.0	44.4	-0.4
01:55 AM - 02:00 AM	49.9	50.3	-	49.9	45.3	-
02:00 AM - 02:05 AM	49.2	47.0	-	48.2	44.3	3.9
02:05 AM - 02:10 AM	48.9	45.1	-	46.6	43.9	5.7
02:10 AM - 02:15 AM	48.9	46.1	-	48.9	44.7	4.0
02:15 AM - 02:20 AM	48.8	46.9	-	47.3	44.6	2.7
02:20 AM - 02:25 AM	48.6	45.3	-	48.9	44.0	4.9
02:25 AM - 02:30 AM	48.9	45.3	-	48.9	43.9	5.5
02:30 AM - 02:35 AM	48.6	43.2	-	48.9	43.9	5.1
02:35 AM - 02:40 AM	48.6	45.0	-	49.1	44.0	5.1
02:40 AM - 02:45 AM	49.2	44.8	-	50.2	43.7	6.5
02:45 AM - 02:50 AM	49.1	46.3	-	44.4	43.9	0.5
02:50 AM - 02:55 AM	49.0	47.7	-	46.1	44.0	2.1
02:55 AM - 03:00 AM	48.7	48.1	-	42.8	44.2	-1.4
03:00 AM - 03:05 AM	48.6	47.2	-	46.9	42.5	3.4
03:05 AM - 03:10 AM	48.8	47.2	-	46.7	43.2	3.5
03:10 AM - 03:15 AM	48.9	47.6	-	47.0	42.7	4.3
03:15 AM - 03:20 AM	48.9	47.6	-	46.9	43.4	2.6
03:20 AM - 03:25 AM	49.0	47.1	-	47.5	43.1	4.1
03:25 AM - 03:30 AM	49.2	47.9	-	46.3	43.5	2.8
03:30 AM - 03:35 AM	49.0	48.4	-	43.1	43.7	-0.6
03:35 AM - 03:40 AM	48.9	45.4	-	49.3	44.0	5.3

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599083
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459353-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599083-14
Parameter : เสียงตามบ้าน
Location : บ้านพักที่ 14 ต.บ้านนา หมู่ 14 ต.บ้านนา อ.บ้านนา จ.ราชบุรี (GPS 47P 0746039, 1427094)
Measurement Date : Nov 22 - 23, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 920831

เวลา	เสียงจากแหล่งกำเนิด	เสียงจากไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงที่รบกวน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	46.4	44.9	-	41.1	-	43.5
11:00 AM - 12:00 PM	46.4	46.2	32.9	-	43.7	-10.8
12:00 PM - 01:00 PM	47.9	46.9	-	41.0	-	43.3
01:00 PM - 02:00 PM	45.5	46.1	n/a	-	-	44.0
02:00 PM - 03:00 PM	48.2	47.7	38.6	-	45.8	-7.2
03:00 PM - 04:00 PM	52.2	47.7	50.3	-	46.2	4.1
04:00 PM - 05:00 PM	52.1	47.7	50.1	-	46.3	3.8
05:00 PM - 06:00 PM	53.2	48.5	51.4	-	47.2	4.2
06:00 PM - 07:00 PM	54.1	51.0	51.2	-	50.0	1.2
07:00 PM - 08:00 PM	55.1	51.1	52.9	-	50.1	2.8
08:00 PM - 09:00 PM	54.8	54.5	43.0	-	49.7	-6.7
09:00 PM - 10:00 PM	52.6	50.9	47.7	-	47.6	0.1
10:00 PM - 10:05 PM	49.3	47.3	-	48.0	46.1	1.5
10:05 PM - 10:10 PM	49.8	48.3	-	47.5	46.3	1.2
10:10 PM - 10:15 PM	51.4	64.1	-	n/a	48.3	-
10:15 PM - 10:20 PM	51.7	54.6	-	n/a	47.3	-
10:20 PM - 10:25 PM	49.3	48.7	-	43.4	46.5	-3.1
10:25 PM - 10:30 PM	48.3	52.9	-	n/a	46.4	-
10:30 PM - 10:35 PM	48.6	47.6	-	44.7	46.3	-1.6
10:35 PM - 10:40 PM	49.0	47.6	-	46.4	45.9	0.5
10:40 PM - 10:45 PM	48.8	46.5	-	47.9	44.9	3.0
10:45 PM - 10:50 PM	48.6	47.3	-	45.7	45.3	0.4
10:50 PM - 10:55 PM	48.1	48.5	-	43.2	43.4	-2.2
10:55 PM - 11:00 PM	49.5	48.8	-	44.2	45.5	-1.3
11:00 PM - 11:05 PM	49.4	53.6	-	n/a	45.3	-
11:05 PM - 11:10 PM	49.7	52.2	-	n/a	46.3	-
11:10 PM - 11:15 PM	49.6	53.3	-	n/a	45.2	-
11:15 PM - 11:20 PM	49.3	54.9	-	n/a	46.0	-
11:20 PM - 11:25 PM	49.9	52.7	-	n/a	45.1	-
11:25 PM - 11:30 PM	49.6	53.6	-	n/a	45.2	-
11:30 PM - 11:35 PM	49.1	43.9	-	n/a	44.8	-
11:35 PM - 11:40 PM	48.8	49.7	-	n/a	44.9	-
11:40 PM - 11:45 PM	49.8	49.8	-	44.5	44.5	-0.4
11:45 PM - 11:50 PM	49.3	52.2	-	n/a	45.1	-
11:50 PM - 11:55 PM	49.2	53.7	-	n/a	45.9	-
11:55 PM - 12:00 AM	50.2	50.2	-	n/a	45.2	-
12:00 AM - 12:05 AM	51.3	-	-	n/a	45.3	-
12:05 AM - 12:10 AM	49.5	52.1	-	n/a	45.2	-
12:10 AM - 12:15 AM	49.1	53.6	-	n/a	44.6	-
12:15 AM - 12:20 AM	49.8	52.6	-	n/a	44.2	-

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599089-1
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459372-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599089-1
Parameter : เสียงรบกวน
Location : บริเวณขอบเขตพื้นที่โครงการท่าเรือ (N9) (GPS 47P 0745599, 1426793)
Measurement Date : Nov 16 - 17, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531297

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	51.3	47.4	49.0	-	42.4	6.6
11:00 AM - 12:00 PM	48.2	52.6	n/a	-	43.7	-
12:00 PM - 01:00 PM	47.1	47.8	n/a	-	42.5	-
01:00 PM - 02:00 PM	46.4	47.4	n/a	-	43.2	-
02:00 PM - 03:00 PM	43.6	44.2	n/a	-	42.2	-
03:00 PM - 04:00 PM	45.2	46.4	n/a	-	42.7	-
04:00 PM - 05:00 PM	46.8	46.9	n/a	-	42.6	-
05:00 PM - 06:00 PM	44.7	46.7	n/a	-	42.4	-
06:00 PM - 07:00 PM	45.9	46.9	n/a	-	45.2	-
07:00 PM - 08:00 PM	47.0	47.1	n/a	-	45.8	-
08:00 PM - 09:00 PM	48.5	47.1	42.9	-	45.4	-2.5
09:00 PM - 10:00 PM	46.8	46.0	39.1	-	45.0	-5.9
10:00 PM - 10:05 PM	45.8	47.7	n/a	-	46.7	-
10:05 PM - 10:10 PM	46.4	47.3	n/a	-	46.3	-
10:10 PM - 10:15 PM	46.5	45.8	-	41.2	44.6	-3.4
10:15 PM - 10:20 PM	46.5	46.2	-	37.7	45.5	-7.8
10:20 PM - 10:25 PM	46.4	46.6	-	n/a	45.9	-
10:25 PM - 10:30 PM	46.4	45.9	-	39.8	45.4	-5.6
10:30 PM - 10:35 PM	46.3	46.1	-	35.8	45.3	-9.5
10:35 PM - 10:40 PM	46.0	46.1	-	n/a	45.6	-
10:40 PM - 10:45 PM	46.3	46.1	-	35.8	45.5	-9.7
10:45 PM - 10:50 PM	46.4	45.9	-	39.8	45.3	-5.5
10:50 PM - 10:55 PM	46.1	46.3	-	40.0	45.5	-5.5
10:55 PM - 11:00 PM	46.6	46.3	-	37.8	45.7	-7.9
11:00 PM - 11:05 PM	46.7	46.7	-	n/a	46.0	-
11:05 PM - 11:10 PM	46.0	47.1	-	n/a	46.3	-
11:10 PM - 11:15 PM	45.9	46.5	-	n/a	46.8	-
11:15 PM - 11:20 PM	45.3	46.4	-	n/a	46.8	-
11:20 PM - 11:25 PM	45.0	47.0	-	n/a	46.3	-
11:25 PM - 11:30 PM	45.3	46.6	-	n/a	45.9	-
11:30 PM - 11:35 PM	45.6	46.5	-	n/a	45.5	-
11:35 PM - 11:40 PM	46.0	46.7	-	n/a	46.0	-
11:40 PM - 11:45 PM	45.8	46.7	-	n/a	46.1	-
11:45 PM - 11:50 PM	46.1	47.0	-	n/a	46.3	-
11:50 PM - 11:55 PM	46.3	46.7	-	n/a	46.0	-
11:55 PM - 12:00 AM	46.2	45.9	-	n/a	46.2	-
12:00 AM - 12:05 AM	46.1	47.0	-	n/a	46.2	-
12:05 AM - 12:10 AM	46.2	46.8	-	n/a	46.2	-
12:10 AM - 12:15 AM	46.2	47.0	-	n/a	46.0	-
12:15 AM - 12:20 AM	45.7	47.2	-	n/a	46.1	-

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Approved by

Wilawan Borik
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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599089-1
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459372-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599089-1
Parameter : เสียงรบกวน
Location : บริเวณขอบเขตพื้นที่โครงการท่าเรือ (N9) (GPS 47P 0745599, 1426793)
Measurement Date : Nov 16 - 17, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531297

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	45.4	46.1	n/a	-	45.3	-
03:45 AM - 03:50 AM	46.7	45.7	-	40.1	45.2	-5.1
03:50 AM - 03:55 AM	46.3	46.0	-	37.5	45.2	-7.7
03:55 AM - 04:00 AM	46.1	46.3	-	n/a	45.1	-
04:00 AM - 04:05 AM	47.0	46.3	-	41.7	45.4	-3.7
04:05 AM - 04:10 AM	46.7	46.1	-	40.8	45.3	-4.5
04:10 AM - 04:15 AM	45.1	45.9	-	n/a	45.0	-
04:15 AM - 04:20 AM	45.2	46.0	-	n/a	45.2	-
04:20 AM - 04:25 AM	45.4	45.7	-	n/a	44.9	-
04:25 AM - 04:30 AM	45.1	46.1	-	n/a	45.1	-
04:30 AM - 04:35 AM	44.5	45.8	-	n/a	45.0	-
04:35 AM - 04:40 AM	44.8	45.6	-	n/a	45.0	-
04:40 AM - 04:45 AM	43.4	45.8	-	n/a	45.0	-
04:45 AM - 04:50 AM	43.2	45.5	-	n/a	44.8	-
04:50 AM - 04:55 AM	45.5	45.6	-	n/a	44.6	-
04:55 AM - 05:00 AM	45.5	45.1	-	37.9	44.7	-6.7
05:00 AM - 05:05 AM	46.7	44.9	-	43.2	44.9	-1.7
05:05 AM - 05:10 AM	46.3	45.8	-	39.7	45.1	-5.4
05:10 AM - 05:15 AM	45.2	46.2	-	n/a	44.5	-
05:15 AM - 05:20 AM	44.5	45.1	-	n/a	44.4	-
05:20 AM - 05:25 AM	44.0	44.9	-	n/a	44.0	-
05:25 AM - 05:30 AM	45.0	44.9	-	31.6	43.8	-12.2
05:30 AM - 05:35 AM	48.9	44.7	-	49.8	44.0	5.8
05:35 AM - 05:40 AM	47.6	45.7	-	46.1	43.7	2.4
05:40 AM - 05:45 AM	49.3	47.3	-	48.0	44.1	3.9
05:45 AM - 05:50 AM	51.5	46.1	-	53.0	44.2	8.8
05:50 AM - 05:55 AM	51.0	46.7	-	50.1	44.4	5.7
05:55 AM - 06:00 AM	49.2	51.5	-	n/a	44.0	-
06:00 AM - 07:00 AM	50.3	49.7	41.4	-	43.6	-2.2
07:00 AM - 08:00 AM	47.6	47.8	n/a	-	42.9	-
08:00 AM - 09:00 AM	47.7	46.9	40.0	-	42.5	-2.5
09:00 AM - 10:00 AM	46.9	46.9	n/a	-	43.5	-

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงพื้นฐาน ระดับเสียงขณะไม่มีการรบกวน การตรวจวัดเสียงขณะมีการรบกวน และการประเมินผลกระทบจากเสียงรบกวน พ.ศ. 2565
- ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 29 (พ.ศ.2550) เรื่อง ค่าระดับเสียงรบกวน

- Remarks:
- ระดับเสียงจากแหล่งกำเนิด จากการตรวจวัด วันที่ 16-17 พฤศจิกายน 2568
 - ระดับเสียงพื้นฐานและเสียงขณะไม่มีการรบกวน (Sample No. 2599089-1) จากการตรวจวัด วันที่ 16-17 พฤศจิกายน 2568
 - ค่าระดับเสียงขณะมีการรบกวน (Sample No. 2599089-1) จากการตรวจวัด วันที่ 16-17 พฤศจิกายน 2568

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599089-2
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459372-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599089-2
Parameter : เสียงรบกวน
Location : บริเวณขอบเขตพื้นที่โครงการท่าเรือ (N9) (GPS 47P 0745599, 1426793)
Measurement Date : Nov 16 - 17, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531297

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
12:20 AM - 12:25 AM	45.9	46.9	-	n/a	46.0	-
12:25 AM - 12:30 AM	45.6	46.8	-	n/a	46.0	-
12:30 AM - 12:35 AM	45.8	47.1	-	n/a	46.3	-
12:35 AM - 12:40 AM	45.5	46.9	-	n/a	46.2	-
12:40 AM - 12:45 AM	45.4	47.2	-	n/a	46.5	-
12:45 AM - 12:50 AM	45.4	46.9	-	n/a	46.2	-
12:50 AM - 12:55 AM	45.3	47.1	-	n/a	46.1	-
12:55 AM - 01:00 AM	44.8	47.1	-	n/a	46.4	-
01:00 AM - 01:05 AM	45.0	47.3	-	n/a	46.4	-
01:05 AM - 01:10 AM	45.3	47.4	-	n/a	46.6	-
01:10 AM - 01:15 AM	45.8	47.4	-	n/a	46.6	-
01:15 AM - 01:20 AM	46.1	47.8	-	n/a	46.7	-
01:20 AM - 01:25 AM	45.4	47.9	-	n/a	47.3	-
01:25 AM - 01:30 AM	44.9	47.7	-	n/a	47.0	-
01:30 AM - 01:35 AM	44.5	47.6	-	n/a	46.9	-
01:35 AM - 01:40 AM	46.5	47.6	-	n/a	46.9	-
01:40 AM - 01:45 AM	46.7	47.2	-	n/a	46.3	-
01:45 AM - 01:50 AM	46.9	48.0	-	n/a	47.1	-
01:50 AM - 01:55 AM	45.6	47.7	-	n/a	46.9	-
01:55 AM - 02:00 AM	45.5	47.1	-	n/a	46.4	-
02:00 AM - 02:05 AM	46.4	46.7	-	n/a	46.2	-
02:05 AM - 02:10 AM	45.7	47.1	-	n/a	46.3	-
02:10 AM - 02:15 AM	46.2	47.5	-	n/a	46.5	-
02:15 AM - 02:20 AM	45.7	47.0	-	n/a	46.3	-
02:20 AM - 02:25 AM	45.9	47.2	-	n/a	46.2	-
02:25 AM - 02:30 AM	45.6	47.0	-	n/a	46.2	-
02:30 AM - 02:35 AM	45.9	46.9	-	n/a	46.2	-
02:35 AM - 02:40 AM	44.8	47.3	-	n/a	46.5	-
02:40 AM - 02:45 AM	45.0	47.1	-	n/a	46.1	-
02:45 AM - 02:50 AM	45.0	46.6	-	n/a	45.8	-
02:50 AM - 02:55 AM	45.2	46.7	-	n/a	46.0	-
02:55 AM - 03:00 AM	45.3	46.5	-	n/a	45.8	-
03:00 AM - 03:05 AM	45.6	46.7	-	n/a	45.1	-
03:05 AM - 03:10 AM	46.1	46.6	-	n/a	45.9	-
03:10 AM - 03:15 AM	46.0	46.6	-	n/a	45.8	-
03:15 AM - 03:20 AM	46.6	46.4	-	26.1	45.6	-9.5
03:20 AM - 03:25 AM	46.9	46.7	-	36.4	46.0	-9.6
03:25 AM - 03:30 AM	47.0	45.9	-	43.5	45.0	-1.5
03:30 AM - 03:35 AM	46.6	46.1	-	40.0	45.2	-5.2
03:35 AM - 03:40 AM	45.7	46.3	-	n/a	45.2	-

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599089-2
Parameter : เสียงตาม
Location : บริเวณถนนเชื่อมถึงโครงการท่าเรือ (N9) (GPS 47P 0745599, 1426793)
Measurement Date : Nov 17 - 18, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531297



TESTING
No. 0042

Lot ID: 2599089
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459373-1

Page 2 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงพื้นฐาน	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
12:20 AM - 12:25 AM	44.5	46.3	-	0/0	45.5	-
12:25 AM - 12:30 AM	44.0	46.3	-	0/0	45.3	-
12:30 AM - 12:35 AM	44.5	46.2	-	0/0	45.5	-
12:35 AM - 12:40 AM	44.7	46.1	-	0/0	45.3	-
12:40 AM - 12:45 AM	45.2	46.3	-	0/0	45.6	-
12:45 AM - 12:50 AM	45.0	46.2	-	0/0	45.6	-
12:50 AM - 12:55 AM	44.7	46.2	-	0/0	45.3	-
12:55 AM - 01:00 AM	44.9	46.5	-	0/0	45.5	-
01:00 AM - 01:05 AM	44.9	46.8	-	0/0	46.2	-
01:05 AM - 01:10 AM	45.3	46.5	-	0/0	45.8	-
01:10 AM - 01:15 AM	45.0	46.6	-	0/0	45.9	-
01:15 AM - 01:20 AM	44.6	46.4	-	0/0	45.8	-
01:20 AM - 01:25 AM	44.5	46.1	-	0/0	45.5	-
01:25 AM - 01:30 AM	44.4	46.2	-	0/0	45.5	-
01:30 AM - 01:35 AM	44.7	46.0	-	0/0	45.4	-
01:35 AM - 01:40 AM	44.8	46.0	-	0/0	45.4	-
01:40 AM - 01:45 AM	44.9	45.9	-	0/0	45.3	-
01:45 AM - 01:50 AM	45.2	46.0	-	0/0	45.2	-
01:50 AM - 01:55 AM	44.7	46.0	-	0/0	45.2	-
01:55 AM - 02:00 AM	46.7	46.3	-	39.1	45.5	46.4
02:00 AM - 02:05 AM	45.1	46.1	-	0/0	45.4	-
02:05 AM - 02:10 AM	45.3	47.2	-	0/0	45.9	-
02:10 AM - 02:15 AM	45.4	46.7	-	0/0	45.7	-
02:15 AM - 02:20 AM	43.9	46.2	-	0/0	45.5	-
02:20 AM - 02:25 AM	43.8	46.2	-	0/0	45.4	-
02:25 AM - 02:30 AM	45.4	45.8	-	0/0	45.2	-
02:30 AM - 02:35 AM	44.5	46.0	-	0/0	45.5	-
02:35 AM - 02:40 AM	44.9	46.8	-	0/0	45.6	-
02:40 AM - 02:45 AM	44.7	46.1	-	0/0	45.6	-
02:45 AM - 02:50 AM	44.3	46.1	-	0/0	45.4	-
02:50 AM - 02:55 AM	43.5	46.0	-	0/0	45.4	-
02:55 AM - 03:00 AM	44.0	45.9	-	0/0	45.3	-
03:00 AM - 03:05 AM	44.4	45.7	-	0/0	45.2	-
03:05 AM - 03:10 AM	44.1	45.7	-	0/0	45.2	-
03:10 AM - 03:15 AM	43.6	46.2	-	0/0	45.4	-
03:15 AM - 03:20 AM	45.5	46.0	-	0/0	45.4	-
03:20 AM - 03:25 AM	45.1	46.8	-	0/0	45.6	-
03:25 AM - 03:30 AM	46.7	46.8	-	0/0	45.7	-
03:30 AM - 03:35 AM	45.7	46.9	-	0/0	45.5	-
03:35 AM - 03:40 AM	44.5	47.1	-	0/0	46.0	-

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599089-2
Parameter : เสียงตาม
Location : บริเวณถนนเชื่อมถึงโครงการท่าเรือ (N9) (GPS 47P 0745599, 1426793)
Measurement Date : Nov 17 - 18, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531297



TESTING
No. 0042

Lot ID: 2599089
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459373-1

Page 3 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงพื้นฐาน	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	46.1	46.4	-	0/0	45.6	-
03:45 AM - 03:50 AM	44.9	46.6	-	0/0	45.1	-
03:50 AM - 03:55 AM	44.7	46.6	-	0/0	45.4	-
03:55 AM - 04:00 AM	43.8	46.2	-	0/0	45.1	-
04:00 AM - 04:05 AM	43.9	46.0	-	0/0	45.2	-
04:05 AM - 04:10 AM	45.2	45.7	-	0/0	45.3	-
04:10 AM - 04:15 AM	45.1	45.8	-	0/0	45.2	-
04:15 AM - 04:20 AM	45.3	45.8	-	0/0	45.2	-
04:20 AM - 04:25 AM	45.0	45.9	-	0/0	45.1	-
04:25 AM - 04:30 AM	45.0	45.9	-	0/0	45.2	-
04:30 AM - 04:35 AM	47.9	46.0	-	0/0	45.3	1.1
04:35 AM - 04:40 AM	44.7	45.8	-	0/0	44.9	-
04:40 AM - 04:45 AM	43.8	46.5	-	0/0	44.7	-
04:45 AM - 04:50 AM	43.7	45.3	-	0/0	44.7	-
04:50 AM - 04:55 AM	45.0	45.4	-	0/0	44.8	-
04:55 AM - 05:00 AM	44.3	45.9	-	0/0	45.2	-
05:00 AM - 05:05 AM	43.8	46.3	-	0/0	45.0	-
05:05 AM - 05:10 AM	43.6	46.0	-	0/0	45.0	-
05:10 AM - 05:15 AM	44.6	45.2	-	0/0	44.1	-
05:15 AM - 05:20 AM	43.5	45.2	-	0/0	44.3	-
05:20 AM - 05:25 AM	50.5	45.8	-	51.7	45.0	6.7
05:25 AM - 05:30 AM	46.1	45.0	-	42.6	44.3	-1.7
05:30 AM - 05:35 AM	43.9	48.1	-	0/0	44.4	-
05:35 AM - 05:40 AM	47.0	46.0	-	43.1	44.3	-1.2
05:40 AM - 05:45 AM	50.0	45.5	-	51.1	44.1	7.0
05:45 AM - 05:50 AM	49.7	46.7	-	49.7	43.9	5.8
05:50 AM - 05:55 AM	45.7	47.5	-	0/0	43.2	-
05:55 AM - 06:00 AM	46.4	48.7	-	0/0	43.4	-
06:00 AM - 07:00 AM	48.4	47.4	41.5	-	43.0	-1.5
07:00 AM - 08:00 AM	45.9	46.6	44.0	-	43.2	0.8
08:00 AM - 09:00 AM	47.2	48.0	44.0	-	44.0	-
09:00 AM - 10:00 AM	48.0	47.0	41.1	-	43.9	-2.8

ค่ามาตรฐาน

Reference Method :

- ISO 1996-1
- ประเทศไทยมาตรฐานการควบคุมเสียงรบกวน เสียง "ใช้การวัดระดับเสียงตามวิธีมาตรฐาน ระดับเสียงขณะไม่มีการรบกวน การตรวจวัดค่าเสียงตามวิธีเสียงขณะมีการรบกวน การคำนวณค่าระดับเสียงรบกวน และบันทึกผลการตรวจวัดเสียงรบกวน พ.ศ. 2565

หมายเหตุ :

1. ระดับเสียงจากแหล่งกำเนิด มีการตรวจวัด วันที่ 17-18 พฤศจิกายน 2568

2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No. 2599089-2) ตรวจวัด วันที่ 17-18 พฤศจิกายน 2568

3. ระบุ "ใช้การคำนวณค่าระดับเสียงขณะมีการรบกวน" ได้ เนื่องจากค่าระดับเสียงขณะไม่มีการรบกวนและค่าระดับเสียงขณะไม่มีการรบกวน

หมายเหตุ :

1. ระดับเสียงจากแหล่งกำเนิด มีการตรวจวัด วันที่ 17-18 พฤศจิกายน 2568

2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No. 2599089-2) ตรวจวัด วันที่ 17-18 พฤศจิกายน 2568

3. ระบุ "ใช้การคำนวณค่าระดับเสียงขณะมีการรบกวน" ได้ เนื่องจากค่าระดับเสียงขณะไม่มีการรบกวนและค่าระดับเสียงขณะไม่มีการรบกวน

Approved by

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599089-3
Parameter : เสียงตาม
Location : บริเวณถนนเชื่อมถึงโครงการท่าเรือ (N9) (GPS 47P 0745599, 1426793)
Measurement Date : Nov 18 - 19, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531297



TESTING
No. 0042

Lot ID: 2599089
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459374-1

Page 1 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงพื้นฐาน	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	44.7	45.9	0/0	-	43.7	-
11:00 AM - 12:00 PM	48.6	47.1	41.3	-	43.1	-1.8
12:00 PM - 01:00 PM	46.4	45.2	40.2	-	40.4	-0.2
01:00 PM - 02:00 PM	47.7	46.5	41.5	-	42.7	-1.2
02:00 PM - 03:00 PM	45.8	46.2	0/0	-	42.2	-
03:00 PM - 04:00 PM	46.0	46.1	0/0	-	42.3	-
04:00 PM - 05:00 PM	48.4	47.5	41.1	-	43.0	-1.9
05:00 PM - 06:00 PM	43.3	44.5	0/0	-	42.0	-
06:00 PM - 07:00 PM	44.9	45.8	0/0	-	44.5	-
07:00 PM - 08:00 PM	45.4	46.8	0/0	-	45.9	-
08:00 PM - 09:00 PM	47.7	49.4	0/0	-	46.4	-
09:00 PM - 10:00 PM	44.9	46.9	0/0	-	45.9	-
10:00 PM - 10:05 PM	43.6	45.5	0/0	-	44.7	-
10:05 PM - 10:10 PM	44.4	45.5	0/0	-	44.9	-
10:10 PM - 10:15 PM	43.7	45.6	0/0	-	45.0	-
10:15 PM - 10:20 PM	44.2	45.9	0/0	-	45.2	-
10:20 PM - 10:25 PM	44.7	45.3	0/0	-	44.6	-
10:25 PM - 10:30 PM	44.5	46.0	0/0	-	45.4	-
10:30 PM - 10:35 PM	43.8	47.1	0/0	-	45.2	-
10:35 PM - 10:40 PM	44.6	46.4	0/0	-	45.1	-
10:40 PM - 10:45 PM	46.4	45.6	41.7	-	44.8	-3.1
10:45 PM - 10:50 PM	54.9	48.6	56.7	-	44.7	12.0
10:50 PM - 10:55 PM	58.7	48.0	61.3	-	46.2	15.1
10:55 PM - 11:00 PM	45.8	52.2	0/0	-	45.3	-
11:00 PM - 11:05 PM	44.1	52.1	0/0	-	45.8	-
11:05 PM - 11:10 PM	44.3	46.5	0/0	-	45.0	-
11:10 PM - 11:15 PM	45.9	45.7	35.4	-	44.4	-9.0
11:15 PM - 11:20 PM	45.6	45.2	38.0	-	44.3	-6.3
11:20 PM - 11:25 PM	46.0	46.1	0/0	-	45.0	-
11:25 PM - 11:30 PM	46.6	45.9	41.3	-	45.1	-3.8
11:30 PM - 11:35 PM	46.6	45.3	42.3	-	44.8	-2.5
11:35 PM - 11:40 PM	46.1	47.4	0/0	-	46.1	-
11:40 PM - 11:45 PM	46.0	46.9	0/0	-	45.0	-
11:45 PM - 11:50 PM	45.8	48.6	0/0	-	45.0	-
11:50 PM - 11:55 PM	46.0	46.0	0/0	-	45.3	-
11:55 PM - 12:00 AM	45.9	47.0	0/0	-	45.0	-
12:00 AM - 12:05 AM	46.4	46.5	0/0	-	45.3	-
12:05 AM - 12:10 AM	46.1	45.8	37.3	-	44.9	-7.6
12:10 AM - 12:15 AM	46.3	45.9	38.7	-	45.0	-6.3
12:15 AM - 12:20 AM	46.1	46.9	0/0	-	45.1	-

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599089-3
Parameter : เสียงตาม
Location : บริเวณถนนเชื่อมถึงโครงการท่าเรือ (N9) (GPS 47P 0745599, 1426793)
Measurement Date : Nov 18 - 19, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531297



TESTING
No. 0042

Lot ID: 2599089
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459374-1

Page 2 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))	
------	---------------------	-----------------------	--------------------	--



Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599089
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459374-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599089-3
Parameter : เสียงรบกวน
Location : บริเวณชุมชนพื้นที่โครงการส่วนที่ 10 (N9) (GPS 47P 0745599, 1426793)
Measurement Date : Nov 18 - 19, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531297

Page 1 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน ไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงที่ฐานการรบกวน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	46.4	43.7	-	46.1	43.1	3.0
03:45 AM - 03:50 AM	45.8	45.0	-	41.1	44.0	-2.9
03:50 AM - 03:55 AM	44.7	45.5	-	n/a	44.3	-
03:55 AM - 04:00 AM	45.5	45.3	-	35.0	44.6	-9.6
04:00 AM - 04:05 AM	45.0	45.2	-	n/a	44.4	-
04:05 AM - 04:10 AM	44.8	45.8	-	n/a	44.8	-
04:10 AM - 04:15 AM	44.5	45.1	-	44.0	44.0	-
04:15 AM - 04:20 AM	45.0	45.3	-	n/a	44.3	-
04:20 AM - 04:25 AM	46.4	45.1	-	43.5	44.3	-0.8
04:25 AM - 04:30 AM	45.5	45.4	-	32.1	44.7	-12.6
04:30 AM - 04:35 AM	45.3	45.3	-	n/a	44.4	-
04:35 AM - 04:40 AM	46.9	45.8	-	43.4	44.6	-1.2
04:40 AM - 04:45 AM	46.2	45.5	-	40.9	44.6	-3.7
04:45 AM - 04:50 AM	45.6	45.9	-	n/a	45.0	-
04:50 AM - 04:55 AM	45.6	46.3	-	n/a	45.2	-
04:55 AM - 05:00 AM	46.0	45.8	-	35.5	44.8	-9.3
05:00 AM - 05:05 AM	46.1	45.6	-	39.5	44.5	-5.9
05:05 AM - 05:10 AM	45.2	45.9	-	n/a	44.3	-
05:10 AM - 05:15 AM	46.0	45.3	-	40.7	44.2	-3.5
05:15 AM - 05:20 AM	46.5	45.1	-	43.9	44.2	-0.3
05:20 AM - 05:25 AM	47.7	44.9	-	47.5	43.8	-3.7
05:25 AM - 05:30 AM	47.6	45.4	-	46.6	44.3	-2.3
05:30 AM - 05:35 AM	46.7	46.8	-	n/a	44.5	-
05:35 AM - 05:40 AM	48.5	46.0	-	47.9	44.7	-3.2
05:40 AM - 05:45 AM	48.7	45.4	-	48.6	44.5	-4.1
05:45 AM - 05:50 AM	49.1	47.1	-	47.8	44.7	-3.1
05:50 AM - 05:55 AM	51.4	46.9	-	52.5	44.7	-7.8
05:55 AM - 06:00 AM	49.7	49.9	-	n/a	44.3	-
06:00 AM - 07:00 AM	50.3	49.0	44.4	-	44.3	0.1
07:00 AM - 08:00 AM	49.7	46.3	39.1	-	45.3	-6.2
08:00 AM - 09:00 AM	48.5	48.9	n/a	-	45.6	-
09:00 AM - 10:00 AM	49.1	49.5	n/a	-	46.9	-

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงที่ฐาน ระดับเสียงรบกวนไม่มีการรบกวน การตรวจวัดค่าระดับเสียงที่ฐานเสียงรบกวนไม่มีการรบกวน และการบันทึกผลการตรวจวัดระดับเสียงรบกวน พ.ศ. 2565

หมายเหตุ : ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 29 (พ.ศ.2550) เรื่อง ค่าระดับเสียงรบกวน

- ระดับเสียงจากแหล่งกำเนิด จากการตรวจวัด วันที่ 18-19 พฤศจิกายน 2568
- ระดับเสียงที่ฐานและระดับเสียงรบกวนไม่มีการรบกวน (Sample No. 2599089-3) ตรวจวัดวันที่ 18-19 พฤศจิกายน 2568
- ทุกค่าที่ได้มาจากการตรวจวัดระดับเสียงรบกวนไม่มีการรบกวนได้ เนื่องจากระดับเสียงจากแหล่งกำเนิดไม่มีการตรวจวัดระดับเสียงรบกวนไม่มีการรบกวน

The above results are valid only for the analysed/checked sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599089
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459374-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599089-4
Parameter : เสียงรบกวน
Location : บริเวณชุมชนพื้นที่โครงการส่วนที่ 10 (N9) (GPS 47P 0745599, 1426793)
Measurement Date : Nov 19 - 20, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531297

Page 2 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน ไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงที่ฐานการรบกวน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
12:20 AM - 12:25 AM	46.3	46.7	-	n/a	45.5	-
12:25 AM - 12:30 AM	46.1	46.1	-	n/a	45.1	-
12:30 AM - 12:35 AM	46.1	46.1	-	n/a	45.2	-
12:35 AM - 12:40 AM	45.8	45.6	-	43.6	44.5	-0.9
12:40 AM - 12:45 AM	49.4	45.8	-	49.9	44.6	-5.3
12:45 AM - 12:50 AM	49.6	45.7	-	48.7	45.1	-3.6
12:50 AM - 12:55 AM	49.8	45.2	-	50.3	45.2	-5.1
12:55 AM - 01:00 AM	46.3	46.0	-	37.5	44.9	-7.4
01:00 AM - 01:05 AM	47.1	47.0	-	33.7	45.3	-11.6
01:05 AM - 01:10 AM	47.3	46.4	-	41.0	44.8	-1.8
01:10 AM - 01:15 AM	46.4	47.2	-	n/a	45.2	-
01:15 AM - 01:20 AM	45.6	46.7	-	n/a	44.5	-
01:20 AM - 01:25 AM	44.5	45.2	-	n/a	44.4	-
01:25 AM - 01:30 AM	44.5	45.4	-	n/a	44.2	-
01:30 AM - 01:35 AM	44.2	44.7	-	n/a	43.7	-
01:35 AM - 01:40 AM	44.9	44.5	-	37.3	43.7	-6.4
01:40 AM - 01:45 AM	43.1	45.1	-	n/a	43.6	-
01:45 AM - 01:50 AM	45.4	44.6	-	40.7	43.2	-2.5
01:50 AM - 01:55 AM	49.3	44.0	-	50.8	43.2	-7.6
01:55 AM - 02:00 AM	49.9	44.6	-	51.4	43.6	-7.8
02:00 AM - 02:05 AM	50.5	44.9	-	52.1	43.9	-8.2
02:05 AM - 02:10 AM	50.9	45.7	-	52.3	44.7	-7.6
02:10 AM - 02:15 AM	49.8	47.0	-	49.8	45.0	-4.6
02:15 AM - 02:20 AM	48.4	46.4	-	47.1	45.2	-1.9
02:20 AM - 02:25 AM	49.4	45.4	-	50.2	44.4	-5.8
02:25 AM - 02:30 AM	50.1	45.8	-	51.1	44.6	-6.2
02:30 AM - 02:35 AM	49.9	47.0	-	49.8	45.2	-4.6
02:35 AM - 02:40 AM	49.1	46.7	-	50.1	45.3	-4.8
02:40 AM - 02:45 AM	50.3	46.4	-	51.0	45.0	-5.0
02:45 AM - 02:50 AM	49.8	45.9	-	50.5	44.9	-5.6
02:50 AM - 02:55 AM	46.8	46.0	-	42.1	44.7	-2.6
02:55 AM - 03:00 AM	45.2	45.8	-	n/a	44.4	-
03:00 AM - 03:05 AM	49.2	44.8	-	49.2	42.5	-6.6
03:05 AM - 03:10 AM	50.3	44.9	-	51.8	43.9	-8.0
03:10 AM - 03:15 AM	49.7	47.3	-	49.0	45.0	-4.0
03:15 AM - 03:20 AM	49.6	47.7	-	49.3	45.5	-3.6
03:20 AM - 03:25 AM	49.3	46.4	-	49.3	44.9	-5.4
03:25 AM - 03:30 AM	50.0	46.1	-	50.7	44.8	-5.9
03:30 AM - 03:35 AM	47.1	46.6	-	40.5	45.1	-4.6
03:35 AM - 03:40 AM	47.3	46.8	-	40.7	45.1	-4.4

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599089
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459374-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599089-4
Parameter : เสียงรบกวน
Location : บริเวณชุมชนพื้นที่โครงการส่วนที่ 10 (N9) (GPS 47P 0745599, 1426793)
Measurement Date : Nov 19 - 20, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531297

Page 1 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน ไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงที่ฐานการรบกวน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	47.7	48.4	n/a	-	46.0	-
11:00 AM - 12:00 PM	45.3	46.5	-	n/a	44.0	-
12:00 PM - 01:00 PM	45.7	47.0	-	n/a	43.8	-
01:00 PM - 02:00 PM	45.9	46.9	-	n/a	44.6	-
02:00 PM - 03:00 PM	45.0	46.3	-	n/a	44.0	-
03:00 PM - 04:00 PM	44.4	44.7	-	n/a	42.7	-
04:00 PM - 05:00 PM	46.5	46.2	-	34.7	42.8	-8.1
05:00 PM - 06:00 PM	44.3	45.2	n/a	-	43.1	-
06:00 PM - 07:00 PM	46.2	46.8	n/a	-	45.2	-
07:00 PM - 08:00 PM	45.9	47.1	n/a	-	45.4	-
08:00 PM - 09:00 PM	45.6	46.6	n/a	-	45.0	-
09:00 PM - 10:00 PM	44.6	46.2	n/a	-	44.6	-
10:00 PM - 10:05 PM	44.3	45.4	-	n/a	44.3	-
10:05 PM - 10:10 PM	44.5	44.9	-	n/a	43.9	-
10:10 PM - 10:15 PM	44.3	45.4	-	n/a	44.2	-
10:15 PM - 10:20 PM	46.1	45.8	-	37.3	44.3	-7.8
10:20 PM - 10:25 PM	45.9	46.6	-	40.6	44.2	-3.6
10:25 PM - 10:30 PM	44.9	47.3	-	n/a	45.0	-
10:30 PM - 10:35 PM	45.0	48.1	-	n/a	45.0	-
10:35 PM - 10:40 PM	45.2	46.1	-	n/a	44.9	-
10:40 PM - 10:45 PM	45.4	46.3	-	n/a	44.6	-
10:45 PM - 10:50 PM	45.7	46.8	-	n/a	44.9	-
10:50 PM - 10:55 PM	44.8	45.5	-	n/a	44.6	-
10:55 PM - 11:00 PM	44.0	46.1	-	n/a	43.9	-
11:00 PM - 11:05 PM	44.9	45.2	-	n/a	44.2	-
11:05 PM - 11:10 PM	44.4	44.4	-	n/a	43.7	-
11:10 PM - 11:15 PM	45.1	44.8	-	36.3	43.7	-7.4
11:15 PM - 11:20 PM	46.0	44.8	-	42.8	43.7	-0.9
11:20 PM - 11:25 PM	45.7	45.2	-	39.1	44.2	-5.1
11:25 PM - 11:30 PM	45.6	45.0	-	39.7	44.1	-4.4
11:30 PM - 11:35 PM	47.0	45.4	-	44.9	44.6	-0.3
11:35 PM - 11:40 PM	47.5	45.6	-	46.0	44.4	-1.6
11:40 PM - 11:45 PM	47.9	46.9	-	47.5	44.5	-3.7
11:45 PM - 11:50 PM	47.3	47.1	-	36.8	45.2	-8.4
11:50 PM - 11:55 PM	46.7	47.5	-	n/a	45.5	-
11:55 PM - 12:00 PM	46.8	47.6	-	n/a	45.4	-
12:00 AM - 12:05 AM	46.4	46.8	-	n/a	45.4	-
12:05 AM - 12:10 AM	46.6	47.0	-	n/a	45.7	-
12:10 AM - 12:15 AM	46.9	45.9	-	43.0	44.9	-1.9
12:15 AM - 12:20 AM	46.6	46.1	-	40.0	45.3	-5.3

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Analysis / Test Report



TESTING
No 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599089
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459376-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599089-5
Parameter : เสียงตาม
Location : บริเวณชุมชนหลังโครงการส่วนที่ 4 (N9) (GPS 47P 0745599, 1426793)
Measurement Date : Nov 20 - 21, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531297

Page 1 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	47.1	47.8	n/a	-	44.9	-
11:00 AM - 12:00 PM	46.3	46.2	29.9	-	44.2	-14.3
12:00 PM - 01:00 PM	44.3	45.4	n/a	-	43.1	-
01:00 PM - 02:00 PM	48.0	46.9	41.5	-	43.2	-1.7
02:00 PM - 03:00 PM	46.6	47.2	n/a	-	44.7	-
03:00 PM - 04:00 PM	48.3	47.6	40.0	-	44.7	-6.7
04:00 PM - 05:00 PM	47.2	47.9	n/a	-	44.5	-
05:00 PM - 06:00 PM	44.4	45.4	n/a	-	43.6	-
06:00 PM - 07:00 PM	37.0	47.5	56.5	-	43.9	12.6
07:00 PM - 08:00 PM	45.8	46.8	n/a	-	44.0	-
08:00 PM - 09:00 PM	44.3	45.8	n/a	-	44.4	-
09:00 PM - 10:00 PM	47.0	45.9	40.5	-	43.4	-2.9
10:00 PM - 10:05 PM	42.9	47.5	-	n/a	43.5	-
10:05 PM - 10:10 PM	42.0	44.8	-	n/a	43.3	-
10:10 PM - 10:15 PM	42.8	44.4	-	n/a	43.4	-
10:15 PM - 10:20 PM	44.0	44.1	-	n/a	43.4	-
10:20 PM - 10:25 PM	43.6	44.4	-	n/a	43.5	-
10:25 PM - 10:30 PM	43.7	45.3	-	n/a	44.1	-
10:30 PM - 10:35 PM	42.9	45.0	-	n/a	43.7	-
10:35 PM - 10:40 PM	42.9	45.1	-	n/a	43.8	-
10:40 PM - 10:45 PM	43.5	44.6	-	n/a	43.5	-
10:45 PM - 10:50 PM	43.2	44.4	-	n/a	43.3	-
10:50 PM - 10:55 PM	42.9	44.9	-	n/a	43.3	-
10:55 PM - 11:00 PM	42.3	44.3	-	n/a	43.4	-
11:00 PM - 11:05 PM	44.3	44.2	30.9	43.3	-12.4	-
11:05 PM - 11:10 PM	42.9	44.1	-	n/a	43.4	-
11:10 PM - 11:15 PM	42.5	45.8	-	n/a	43.7	-
11:15 PM - 11:20 PM	42.1	44.6	-	n/a	43.7	-
11:20 PM - 11:25 PM	42.7	44.4	-	n/a	43.7	-
11:25 PM - 11:30 PM	43.6	43.7	-	n/a	43.0	-
11:30 PM - 11:35 PM	42.3	44.2	-	n/a	43.1	-
11:35 PM - 11:40 PM	42.1	45.1	-	n/a	43.8	-
11:40 PM - 11:45 PM	42.4	43.7	-	n/a	43.7	-
11:45 PM - 11:50 PM	42.0	44.0	-	n/a	43.2	-
11:50 PM - 11:55 PM	43.0	43.8	-	n/a	43.1	-
11:55 PM - 12:00 AM	42.3	43.5	-	n/a	42.7	-
12:00 AM - 12:05 AM	43.0	44.2	-	n/a	43.0	-
12:05 AM - 12:10 AM	42.7	43.6	-	n/a	42.8	-
12:10 AM - 12:15 AM	43.6	44.3	-	n/a	43.3	-
12:15 AM - 12:20 AM	43.8	44.2	-	n/a	43.1	-

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Approved by

Wilaon Borik
Manager

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LIFE SCIENCES

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RIGHT SOLUTIONS RIGHT PARTNER



Analysis / Test Report



TESTING
No 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599089
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459376-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599089-5
Parameter : เสียงตาม
Location : บริเวณชุมชนหลังโครงการส่วนที่ 4 (N9) (GPS 47P 0745599, 1426793)
Measurement Date : Nov 20 - 21, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531297

Page 2 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
12:20 AM - 12:25 AM	42.8	44.5	-	n/a	43.5	-
12:25 AM - 12:30 AM	43.5	44.6	-	n/a	43.1	-
12:30 AM - 12:35 AM	44.1	44.3	-	n/a	42.8	-
12:35 AM - 12:40 AM	45.1	44.4	-	n/a	43.2	-3.4
12:40 AM - 12:45 AM	45.2	44.8	-	n/a	43.7	-6.1
12:45 AM - 12:50 AM	43.2	45.1	-	n/a	43.7	-
12:50 AM - 12:55 AM	42.4	44.9	-	n/a	43.7	-
12:55 AM - 01:00 AM	42.2	44.8	-	n/a	43.7	-
01:00 AM - 01:05 AM	42.0	43.7	-	n/a	43.0	-
01:05 AM - 01:10 AM	42.3	43.7	-	n/a	42.8	-
01:10 AM - 01:15 AM	42.2	43.8	-	n/a	42.9	-
01:15 AM - 01:20 AM	43.5	43.5	-	n/a	42.6	-
01:20 AM - 01:25 AM	42.3	43.8	-	n/a	42.6	-
01:25 AM - 01:30 AM	42.0	44.3	-	n/a	43.2	-
01:30 AM - 01:35 AM	43.8	43.7	-	n/a	42.8	-12.4
01:35 AM - 01:40 AM	43.6	44.0	-	n/a	42.8	-
01:40 AM - 01:45 AM	42.1	44.7	-	n/a	43.4	-
01:45 AM - 01:50 AM	42.0	44.2	-	n/a	43.1	-
01:50 AM - 01:55 AM	41.9	43.2	-	n/a	43.8	-
01:55 AM - 02:00 AM	42.3	43.4	-	n/a	42.7	-
02:00 AM - 02:05 AM	42.9	43.4	-	n/a	42.6	-
02:05 AM - 02:10 AM	44.8	43.4	-	n/a	42.2	-0.6
02:10 AM - 02:15 AM	45.6	44.2	-	n/a	43.0	-0.2
02:15 AM - 02:20 AM	45.5	44.8	-	n/a	43.8	-3.6
02:20 AM - 02:25 AM	45.6	44.8	-	n/a	43.5	-2.6
02:25 AM - 02:30 AM	45.1	44.4	-	n/a	43.5	-1.7
02:30 AM - 02:35 AM	45.9	43.8	-	n/a	43.6	-2.3
02:35 AM - 02:40 AM	46.9	44.9	-	n/a	45.6	-3.7
02:40 AM - 02:45 AM	46.0	45.3	-	n/a	44.7	-3.5
02:45 AM - 02:50 AM	46.2	45.2	-	n/a	44.1	-1.8
02:50 AM - 02:55 AM	46.6	46.0	-	n/a	44.4	-3.7
02:55 AM - 03:00 AM	45.9	45.5	-	n/a	44.3	-6.0
03:00 AM - 03:05 AM	45.4	46.4	-	n/a	44.8	-
03:05 AM - 03:10 AM	46.3	45.2	-	n/a	44.1	-1.3
03:10 AM - 03:15 AM	45.9	45.2	-	n/a	44.1	-3.5
03:15 AM - 03:20 AM	45.7	46.7	-	n/a	44.8	-
03:20 AM - 03:25 AM	45.8	46.1	-	n/a	44.5	-
03:25 AM - 03:30 AM	45.7	46.0	-	n/a	44.8	-
03:30 AM - 03:35 AM	45.2	46.4	-	n/a	44.7	-
03:35 AM - 03:40 AM	46.2	45.6	-	n/a	44.3	-4.0

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Wilaon Borik
Manager

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Analysis / Test Report



TESTING
No 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599089
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459376-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599089-5
Parameter : เสียงตาม
Location : บริเวณชุมชนหลังโครงการส่วนที่ 4 (N9) (GPS 47P 0745599, 1426793)
Measurement Date : Nov 20 - 21, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531297

Page 3 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	46.3	45.4	-	42.0	44.5	-2.5
03:45 AM - 03:50 AM	46.5	45.9	-	40.6	44.7	-4.1
03:50 AM - 03:55 AM	46.7	45.7	-	42.8	44.3	-1.5
03:55 AM - 04:00 AM	45.9	46.8	-	n/a	44.9	-
04:00 AM - 04:05 AM	45.9	47.3	-	n/a	44.6	-
04:05 AM - 04:10 AM	44.8	46.1	-	n/a	44.6	-
04:10 AM - 04:15 AM	44.6	45.3	-	n/a	44.6	-
04:15 AM - 04:20 AM	43.9	45.2	-	n/a	44.0	-
04:20 AM - 04:25 AM	44.3	45.0	-	n/a	43.3	-
04:25 AM - 04:30 AM	45.0	44.3	-	n/a	43.2	-3.3
04:30 AM - 04:35 AM	45.7	44.3	-	43.1	43.4	-0.3
04:35 AM - 04:40 AM	46.7	44.6	-	45.5	43.4	2.1
04:40 AM - 04:45 AM	47.1	44.7	-	46.4	43.4	3.0
04:45 AM - 04:50 AM	48.1	46.4	-	46.2	44.3	1.9
04:50 AM - 04:55 AM	49.5	47.1	-	48.8	45.6	3.2
04:55 AM - 05:00 AM	51.3	48.2	-	51.4	46.4	5.0
05:00 AM - 05:05 AM	51.5	49.4	-	50.3	46.9	3.4
05:05 AM - 05:10 AM	51.3	51.1	-	40.8	48.4	-7.6
05:10 AM - 05:15 AM	49.1	50.4	-	n/a	47.9	-
05:15 AM - 05:20 AM	48.8	49.9	-	n/a	47.3	-
05:20 AM - 05:25 AM	48.9	48.9	-	n/a	46.4	-
05:25 AM - 05:30 AM	48.9	49.7	-	n/a	46.4	-
05:30 AM - 05:35 AM	48.9	48.4	-	n/a	46.5	-
05:35 AM - 05:40 AM	48.8	48.3	-	n/a	46.3	-3.8
05:40 AM - 05:45 AM	46.7	47.0	-	46.8	45.0	1.8
05:45 AM - 05:50 AM	50.1	48.7	-	47.5	46.4	1.1
05:50 AM - 05:55 AM	52.2	50.1	-	51.0	47.1	3.9
05:55 AM - 06:00 AM	50.2	51.2	-	n/a	47.2	-
06:00 AM - 07:00 AM	49.3	50.3	n/a	-	46.5	-
07:00 AM - 08:00 AM	48.2	48.6	n/a	-	45.5	-
08:00 AM - 09:00 AM	48.5	48.7	n/a	-	45.7	-
09:00 AM - 10:00 AM	48.6	49.4	n/a	-	46.1	-

Reference Method :

- ISO 1996-1
 - ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดเสียงสิ่งแวดล้อมขณะไม่มีการรบกวน การตรวจวัดเสียงค่าเฉลี่ยต่อเนื่องของการรบกวน การคำนวณการรบกวน และแบบบันทึกการตรวจวัดเสียงตาม พ.ศ. 2565
 - ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 29 (พ.ศ.2550) เรื่อง การประเมินผลกระทบ
- Remark :
- ขอแจ้งความจำแนกแจง การตรวจวัด วันที่ 20-21 พฤศจิกายน 2568
 - ขอแจ้งพื้นฐานและเสียงสิ่งแวดล้อมไม่มีการรบกวน (Sample No. 2599089-5) ตรวจวัดวันที่ 20-21 พฤศจิกายน 2568)
 - น/อ. ใบานาตรวจวัดเสียงสิ่งแวดล้อมการรบกวนได้ เนื่องจากตรวจวัดเสียงจากแหล่งกำเนิดไม่มีการรบกวนเสียงขณะไม่มีการรบกวน

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Analysis / Test Report



TESTING
No 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599089
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459376-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599089-6
Parameter : เสียงตาม
Location : บริเวณชุมชนหลังโครงการส่วนที่ 4 (N9) (GPS 47P 0745599, 1426793)
Measurement Date : Nov 21 - 22, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531297

Page 1 of 3

จุดเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	48.2	48.9	n/a	-	46.2	-
11:00 AM - 12:00 PM	48.0	48.9	n/a	-	46.0	-
12:00 PM - 01:00 PM	46.4	45.9	36.8	-	43.1	-6.3
01:00 PM - 02:00 PM	47.1	46.4	38.8	-	42.8	-4.0
02:00 PM - 03:00 PM	46.7	46.7	n/a	-	43.8	-
03:00 PM - 04:00 PM	46.5	46.8	n/a	-	43.8	-
04:00 PM - 05:00 PM	46.5	46.9	n/a	-	44.0	-
05:00 PM - 06:00 PM	45.8	46.3	n/a	-	44.2	-
06:00 PM - 07:00 PM	45.5	46.1	n/a	-	44.6	-
07:00 PM - 08:00 PM	44.5	45.3	n/a	-	44.1	-
08:00 PM - 09:00 PM	43.9	45.2	n/a	-	43.7	-
09:00 PM - 10:00 PM	43.5	45.2	n/a	-	43.7	-
10:00 PM - 10:05 PM	44.4	44.8	-	n/a	44.0	-
10:05 PM - 10:10 PM	44.0	45.0	-	n/a	43.9	-
10:10 PM - 10:15 PM	43.3	45.9	-	n/a	44.2	-
10:15 PM - 10:20 PM	47.0	45.2	-	45.3	44.2	1.1
10:20 PM - 10:25 PM	38.5	44.6	-	61.3	44.5	17.8
10:25 PM - 10:30 PM	51.8	47.8	-	52.9	44.9	8.0
10:30 PM - 10:35 PM	42.9	50.7	-	n/a	45.5	-
10:35 PM - 10:40 PM	43.7	54.3	-	n/a	44.3	-
10:40 PM - 10:45 PM	43.5	44.9	-	n/a	43.6	-
10:45 PM - 10:50 PM	43.1	43.8	-	n/a	42.9	-
10:50 PM - 10:55 PM	43.3	45.6	-	n/a	43.7	-
10:55 PM - 11:00 PM	43.8	44.4	-	n/a	43.3	-
11:00 PM - 11:05 PM	42.7	44.7	-	n/a	43.4	-
11:05 PM - 11:10 PM	43.1	44.1	-	n/a	42.6	-
11:10 PM - 11:15 PM	43.3	43.3	-	n/a	42.6	-
11:15 PM - 11:20 PM	43.1	43.9	-	n/a	43.1	-
11:20 PM - 11:25 PM	42.8	44.2	-	n/a	43.2	-
11:25 PM - 11:30 PM	42.9	44.0	-	n/a	43.2	-
11:30 PM - 11:35 PM	45.3	43.7	-	43.2	43.1	0.1
11:35 PM - 11:40 PM	45.9	44.1	-	40.2	43.2	0.0
11:40 PM - 11:45 PM	46.0	43.9	-	44.8	43.2	1.6
11:45 PM - 11:50 PM	45.8	44.6	-	42.6	43.0	-0.4
11:50 PM - 11:55 PM	45.6	44.6	-	41.7	43.5	-1.8
11:55 PM - 12:00 AM	46.1	44.6	-	42.9	43.7	-0.8
12:00 AM - 12:05 AM	44.6	44.6	-	n/a	43.8	-
12:05 AM - 12:10 AM	43.7	44.9	-	n/a	43.4	-
12:10 AM - 12:15 AM	43.5	43.7	-	n/a	42.6	-
12:15 AM - 12:20 AM	43.1	44.8	-	n/a	42.4	-



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599089-6
Parameter : เสียงรบกวน
Location : บริเวณชุมชนหลังโครงการส่วนที่ 4 (N9) (GPS 47P 0745599, 1426793)
Measurement Date : Nov 21 - 22, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531297



TESTING
No. 0042

Lot ID: 2599089
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459377-1

Page 2 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงที่ปรากฏ	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
12:20 AM - 12:25 AM	43.7	44.0	-	0/0	43.1	-
12:25 AM - 12:30 AM	44.4	44.1	-	35.6	43.0	-7.4
12:30 AM - 12:35 AM	44.3	43.8	-	37.7	43.0	-5.3
12:35 AM - 12:40 AM	42.7	44.8	-	0/0	43.6	-
12:40 AM - 12:45 AM	42.9	44.2	-	0/0	43.2	-
12:45 AM - 12:50 AM	43.8	43.5	-	35.0	42.9	-7.9
12:50 AM - 12:55 AM	44.0	43.9	-	42.9	42.9	-12.3
12:55 AM - 01:00 AM	43.9	44.6	-	0/0	43.1	-
01:00 AM - 01:05 AM	43.4	44.6	-	0/0	43.6	-
01:05 AM - 01:10 AM	43.4	44.9	-	0/0	43.6	-
01:10 AM - 01:15 AM	42.6	44.4	-	0/0	43.4	-
01:15 AM - 01:20 AM	43.4	44.1	-	0/0	43.0	-
01:20 AM - 01:25 AM	43.5	43.5	-	0/0	42.8	-
01:25 AM - 01:30 AM	43.9	43.9	-	0/0	43.2	-
01:30 AM - 01:35 AM	44.5	43.9	-	38.6	43.2	-4.6
01:35 AM - 01:40 AM	44.3	44.6	-	0/0	43.1	-
01:40 AM - 01:45 AM	46.6	45.1	-	44.3	43.4	0.9
01:45 AM - 01:50 AM	48.9	45.9	-	48.9	43.5	5.4
01:50 AM - 01:55 AM	49.2	45.1	-	50.1	43.6	6.5
01:55 AM - 02:00 AM	48.8	44.9	-	49.5	44.0	5.5
02:00 AM - 02:05 AM	49.0	45.3	-	49.6	44.2	5.4
02:05 AM - 02:10 AM	49.4	45.1	-	50.4	43.9	6.5
02:10 AM - 02:15 AM	49.4	44.8	-	50.6	43.8	6.8
02:15 AM - 02:20 AM	49.1	45.5	-	49.6	44.5	5.1
02:20 AM - 02:25 AM	48.6	45.6	-	48.6	44.4	4.2
02:25 AM - 02:30 AM	48.7	45.7	-	48.7	44.5	4.2
02:30 AM - 02:35 AM	49.0	45.1	-	49.2	44.2	5.3
02:35 AM - 02:40 AM	49.0	45.5	-	49.4	44.3	5.1
02:40 AM - 02:45 AM	49.7	46.1	-	50.2	44.8	5.4
02:45 AM - 02:50 AM	48.9	45.9	-	49.6	44.6	4.4
02:50 AM - 02:55 AM	48.7	45.2	-	49.1	44.1	5.0
02:55 AM - 03:00 AM	48.7	44.6	-	49.6	43.8	5.8
03:00 AM - 03:05 AM	48.9	44.9	-	49.7	44.0	5.7
03:05 AM - 03:10 AM	49.0	44.8	-	49.9	43.8	6.1
03:10 AM - 03:15 AM	49.2	45.2	-	50.0	44.1	5.9
03:15 AM - 03:20 AM	49.1	45.1	-	49.9	44.1	5.8
03:20 AM - 03:25 AM	48.8	45.3	-	49.2	44.0	5.2
03:25 AM - 03:30 AM	48.7	45.6	-	48.8	43.8	5.0
03:30 AM - 03:35 AM	48.0	45.3	-	47.7	44.1	3.6
03:35 AM - 03:40 AM	48.3	44.5	-	49.0	43.4	5.6

The above results are valid only for the analysed period(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599089-6
Parameter : เสียงรบกวน
Location : บริเวณชุมชนหลังโครงการส่วนที่ 4 (N9) (GPS 47P 0745599, 1426793)
Measurement Date : Nov 21 - 22, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531297



TESTING
No. 0042

Lot ID: 2599089
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459377-1

Page 3 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงที่ปรากฏ	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	48.3	44.2	-	49.2	43.2	6.0
03:45 AM - 03:50 AM	46.8	44.9	-	45.3	43.8	1.5
03:50 AM - 03:55 AM	45.0	44.5	-	38.4	43.1	-4.7
03:55 AM - 04:00 AM	45.8	46.3	-	41.5	43.6	0.5
04:00 AM - 04:05 AM	45.0	43.8	-	41.8	42.6	-0.8
04:05 AM - 04:10 AM	46.2	44.4	-	44.5	43.2	1.3
04:10 AM - 04:15 AM	45.9	43.4	-	45.3	42.3	3.0
04:15 AM - 04:20 AM	46.0	44.3	-	44.1	42.6	1.5
04:20 AM - 04:25 AM	46.2	43.2	-	46.2	42.4	3.8
04:25 AM - 04:30 AM	46.3	45.9	-	46.4	42.2	4.2
04:30 AM - 04:35 AM	46.7	43.4	-	47.0	42.4	4.6
04:35 AM - 04:40 AM	44.0	43.9	-	30.6	42.6	-12.0
04:40 AM - 04:45 AM	44.3	44.5	-	0/0	43.3	-
04:45 AM - 04:50 AM	44.4	43.5	-	40.1	42.7	-2.1
04:50 AM - 04:55 AM	45.5	44.5	-	41.6	42.5	-0.9
04:55 AM - 05:00 AM	48.3	44.4	-	49.0	43.1	5.9
05:00 AM - 05:05 AM	46.1	45.1	-	47.2	42.5	0.3
05:05 AM - 05:10 AM	46.7	46.6	-	33.3	42.8	-9.5
05:10 AM - 05:15 AM	46.7	44.5	-	45.7	42.9	2.8
05:15 AM - 05:20 AM	45.1	44.1	-	41.2	43.0	-1.8
05:20 AM - 05:25 AM	45.6	44.4	-	42.4	43.2	-0.8
05:25 AM - 05:30 AM	44.5	44.9	-	0/0	43.2	-
05:30 AM - 05:35 AM	47.5	44.3	-	47.7	43.0	4.7
05:35 AM - 05:40 AM	50.3	44.1	-	52.1	42.6	8.5
05:40 AM - 05:45 AM	50.0	46.8	-	50.2	43.0	7.2
05:45 AM - 05:50 AM	50.4	48.7	-	48.5	42.8	5.7
05:50 AM - 05:55 AM	49.9	48.5	-	47.3	42.7	4.6
05:55 AM - 06:00 AM	49.9	49.4	-	43.3	44.1	-0.8
06:00 AM - 07:00 AM	47.9	47.3	39.0	-	42.3	-3.3
07:00 AM - 08:00 AM	46.3	29.9	-	-	42.8	-12.9
08:00 AM - 09:00 AM	45.5	0/0	-	-	42.8	-
09:00 AM - 10:00 AM	43.2	44.2	0/0	-	41.8	-
10:00 AM - 11:00 AM	43.2	44.2	0/0	-	41.8	-

Reference Method :

- ISO 1996-1
- ประเทศไทยมาตรฐานการควบคุมเสียงรบกวน (Sample No. 2599089-6) วันที่ 21-22 พฤศจิกายน 2568
- กฎกระทรวงกำหนดระดับเสียงรบกวนในการปฏิบัติงาน (Sample No. 2599089-6) วันที่ 21-22 พฤศจิกายน 2568

หมายเหตุ : ผลการตรวจการวัดเสียงรบกวนเกินค่ามาตรฐาน (เกิน 55 dB(A))

- ระดับเสียงจากแหล่งกำเนิด มีการตรวจวัด วันที่ 21-22 พฤศจิกายน 2568
- ระดับเสียงรบกวนขณะปฏิบัติงาน (Sample No. 2599089-6) วันที่ 21-22 พฤศจิกายน 2568
- กฎกระทรวงกำหนดระดับเสียงรบกวนในการปฏิบัติงาน (Sample No. 2599089-6) วันที่ 21-22 พฤศจิกายน 2568

หมายเหตุ : ผลการตรวจการวัดเสียงรบกวนเกินค่ามาตรฐาน (เกิน 55 dB(A))

Approved by

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599089-7
Parameter : เสียงรบกวน
Location : บริเวณชุมชนหลังโครงการส่วนที่ 4 (N9) (GPS 47P 0745599, 1426793)
Measurement Date : Nov 22 - 23, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531297



TESTING
No. 0042

Lot ID: 2599089
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459378-1

Page 1 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงที่ปรากฏ	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	46.5	46.0	36.9	-	42.2	-5.3
11:00 AM - 12:00 PM	45.0	45.5	0/0	-	42.2	-
12:00 PM - 01:00 PM	43.9	44.8	0/0	-	41.1	-6.8
01:00 PM - 02:00 PM	43.0	43.6	0/0	-	41.4	-
02:00 PM - 03:00 PM	44.3	44.5	0/0	-	41.7	-
03:00 PM - 04:00 PM	45.1	44.7	34.3	-	41.1	-6.8
04:00 PM - 05:00 PM	44.5	44.1	33.9	-	41.3	-7.4
05:00 PM - 06:00 PM	46.8	46.2	37.9	-	42.5	-4.6
06:00 PM - 07:00 PM	46.4	47.3	0/0	-	46.2	-
07:00 PM - 08:00 PM	45.9	46.6	0/0	-	45.7	-
08:00 PM - 09:00 PM	46.8	47.1	0/0	-	46.0	-
09:00 PM - 10:00 PM	44.6	45.4	0/0	-	44.9	-
10:00 PM - 10:05 PM	43.3	45.4	0/0	-	44.2	-
10:05 PM - 10:10 PM	43.8	45.8	-	0/0	45.0	-
10:10 PM - 10:15 PM	44.1	44.9	-	0/0	44.1	-
10:15 PM - 10:20 PM	43.6	45.1	-	0/0	44.5	-
10:20 PM - 10:25 PM	44.7	45.6	-	0/0	44.5	-
10:25 PM - 10:30 PM	45.7	44.8	-	41.4	44.0	-2.6
10:30 PM - 10:35 PM	45.9	45.7	-	35.4	44.7	-9.3
10:35 PM - 10:40 PM	46.5	45.8	-	41.2	45.1	-3.9
10:40 PM - 10:45 PM	46.8	45.3	-	44.5	44.6	-0.1
10:45 PM - 10:50 PM	46.2	46.4	-	40.9	45.3	-
10:50 PM - 10:55 PM	46.4	46.5	-	0/0	45.2	-
10:55 PM - 11:00 PM	46.9	45.5	-	44.3	44.8	-0.5
11:00 PM - 11:05 PM	47.2	45.9	-	44.3	44.9	-0.6
11:05 PM - 11:10 PM	46.6	45.9	-	41.3	45.9	-3.7
11:10 PM - 11:15 PM	46.9	46.3	-	41.0	45.3	-4.3
11:15 PM - 11:20 PM	46.5	45.2	-	43.6	44.5	-0.9
11:20 PM - 11:25 PM	46.4	45.8	-	40.5	45.0	-4.5
11:25 PM - 11:30 PM	47.6	45.9	-	45.7	44.9	0.8
11:30 PM - 11:35 PM	48.5	46.2	-	47.6	45.2	2.4
11:35 PM - 11:40 PM	48.6	45.4	-	48.8	44.8	4.0
11:40 PM - 11:45 PM	49.0	45.9	-	49.1	45.2	3.8
11:45 PM - 11:50 PM	49.1	46.1	-	49.1	45.1	4.0
11:50 PM - 11:55 PM	49.8	46.6	-	50.0	45.0	5.0
11:55 PM - 12:00 AM	49.3	46.5	-	50.0	45.3	0.3
12:00 AM - 12:05 AM	49.4	46.9	-	46.1	45.9	0.2
12:05 AM - 12:10 AM	48.0	46.2	-	46.3	45.3	1.0
12:10 AM - 12:15 AM	48.9	46.2	-	48.6	45.3	3.3
12:15 AM - 12:20 AM	48.6	45.8	-	48.4	45.0	3.4

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample No. : 2599089-7
Parameter : เสียงรบกวน
Location : บริเวณชุมชนหลังโครงการส่วนที่ 4 (N9) (GPS 47P 0745599, 1426793)
Measurement Date : Nov 22 - 23, 2025
Measurement by : Apichart Wilars
Sound Level Meter : 531297



TESTING
No. 0042



Analysis / Test Report



TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599089
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report Number : 3459378-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample No. 2599089-7
Parameter เสียงรบกวน
Location บ้านชุมชนเสียงดังโครงการส่วนใต้ (N9) (GPS 47P 0745599, 1426793)
Measurement Date Nov 22 - 23, 2025
Measurement by Apichart Wilars
Sound Level Meter 531297

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	48.9	45.2	-	49.5	44.5	5.0
03:45 AM - 03:50 AM	47.7	45.9	-	46.0	44.6	1.4
03:50 AM - 03:55 AM	47.4	45.8	-	45.3	44.6	0.7
03:55 AM - 04:00 AM	48.1	45.3	-	47.9	44.3	3.6
04:00 AM - 04:05 AM	48.3	45.3	-	48.3	44.5	3.8
04:05 AM - 04:10 AM	48.4	46.1	-	47.5	45.1	2.4
04:10 AM - 04:15 AM	48.5	46.0	-	47.9	45.0	2.9
04:15 AM - 04:20 AM	48.7	46.2	-	48.1	44.9	3.2
04:20 AM - 04:25 AM	47.6	46.5	-	44.1	45.2	-1.1
04:25 AM - 04:30 AM	47.8	46.8	-	43.9	45.5	-1.6
04:30 AM - 04:35 AM	48.1	45.5	-	47.6	44.6	3.0
04:35 AM - 04:40 AM	48.7	45.8	-	48.6	44.7	3.9
04:40 AM - 04:45 AM	48.3	45.8	-	47.7	44.7	3.0
04:45 AM - 04:50 AM	46.6	47.2	-	0/0	44.4	-
04:50 AM - 04:55 AM	46.3	46.2	-	32.9	44.4	-11.5
04:55 AM - 05:00 AM	47.1	44.4	-	46.8	43.6	3.2
05:00 AM - 05:05 AM	47.6	43.7	-	48.3	43.0	5.3
05:05 AM - 05:10 AM	47.0	45.7	-	44.1	42.0	1.3
05:10 AM - 05:15 AM	50.1	45.3	-	51.4	43.3	8.1
05:15 AM - 05:20 AM	48.8	44.6	-	49.7	43.7	6.0
05:20 AM - 05:25 AM	48.6	45.7	-	48.5	44.3	4.2
05:25 AM - 05:30 AM	48.1	48.1	-	0/0	45.2	-
05:30 AM - 05:35 AM	48.3	47.7	-	42.4	45.8	-3.4
05:35 AM - 05:40 AM	49.0	46.9	-	47.8	45.7	2.1
05:40 AM - 05:45 AM	49.5	46.4	-	49.6	45.2	4.4
05:45 AM - 05:50 AM	51.4	47.0	-	52.4	45.4	7.0
05:50 AM - 05:55 AM	50.6	48.3	-	48.7	45.1	4.6
05:55 AM - 06:00 AM	50.9	50.0	-	46.6	44.9	1.7
06:00 AM - 07:00 AM	48.3	48.3	0/0	-	43.8	-
07:00 AM - 08:00 AM	49.9	46.6	38.1	-	43.9	-5.8
08:00 AM - 09:00 AM	45.0	46.4	0/0	-	43.5	-
09:00 AM - 10:00 AM	47.3	47.2	30.9	-	43.0	-12.1
ค่ามาตรฐาน						≤ 10

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงพื้นฐาน ระดับเสียงขณะไม่มีการรบกวน การตรวจวัดและคำนวณระดับเสียงขณะมีการรบกวน การคำนวณระดับเสียงรบกวน และแบบบันทึกการตรวจวัดเสียงรบกวน พ.ศ. 2565

หมายเหตุ
ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 29 (พ.ศ.2550) เรื่อง การประเมินรบกวน

Remark:

- ระดับเสียงจากแหล่งกำเนิด จากการตรวจวัด วันที่ 22-23 พฤศจิกายน 2568
- ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2599089-7 วันที่ตรวจวัด 22-23 พฤศจิกายน 2568)
- ก.ล.บ. ไม่สามารถคำนวณระดับเสียงขณะมีการรบกวนได้ เนื่องจากระดับเสียงจากแหล่งกำเนิดไม่มีการประเมินเสียงขณะไม่มีการรบกวน

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ระดับเสียงขณะไม่มีการรบกวน (Shut down)



Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459284-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599080-1
Parameter Noise
Location โรงเก็บน้ำมันหล่อ (อ.แม่ท่าเรือ) (N1) (จุดนำค่า) (GPS 47P 0746513, 1426036) (Shut down)
Measurement Date Nov 16 - 17, 2025
Measurement by Apichart Wilars
Sound Level Meter 531305

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	44.7	62.5	41.4
11:00 AM - 12:00 PM	46.6	70.5	41.6
12:00 PM - 01:00 PM	45.0	65.9	41.2
01:00 PM - 02:00 PM	44.5	61.8	41.4
02:00 PM - 03:00 PM	46.8	71.5	41.4
03:00 PM - 04:00 PM	46.5	70.3	41.2
04:00 PM - 05:00 PM	45.9	66.4	42.4
05:00 PM - 06:00 PM	47.7	67.3	44.2
06:00 PM - 07:00 PM	50.6	77.8	48.4
07:00 PM - 08:00 PM	52.1	72.5	49.7
08:00 PM - 09:00 PM	48.8	59.7	47.3
09:00 PM - 10:00 PM	47.0	65.8	45.2
10:00 PM - 10:05 PM	48.5	51.1	47.8
10:05 PM - 10:10 PM	48.4	51.6	47.4
10:10 PM - 10:15 PM	48.1	51.4	47.0
10:15 PM - 10:20 PM	48.4	52.4	47.6
10:20 PM - 10:25 PM	48.4	52.1	47.6
10:25 PM - 10:30 PM	48.1	51.2	47.4
10:30 PM - 10:35 PM	48.1	54.2	47.2
10:35 PM - 10:40 PM	47.8	53.6	46.7
10:40 PM - 10:45 PM	47.4	49.8	46.5
10:45 PM - 10:50 PM	47.1	49.3	46.7
10:50 PM - 10:55 PM	47.0	50.0	46.6
10:55 PM - 11:00 PM	47.2	50.4	46.7
11:00 PM - 11:05 PM	47.7	60.5	47.1
11:05 PM - 11:10 PM	48.4	50.2	47.9
11:10 PM - 11:15 PM	48.4	50.7	47.8
11:15 PM - 11:20 PM	48.4	54.4	47.7
11:20 PM - 11:25 PM	48.0	51.0	47.4
11:25 PM - 11:30 PM	48.3	55.7	47.2
11:30 PM - 11:35 PM	47.3	59.5	46.8
11:35 PM - 11:40 PM	48.1	58.4	46.9
11:40 PM - 11:45 PM	47.9	51.8	47.0
11:45 PM - 11:50 PM	46.7	52.3	45.9
11:50 PM - 11:55 PM	46.8	50.4	46.1
11:55 PM - 12:00 AM	46.6	52.8	45.8
12:00 AM - 12:05 AM	46.2	49.1	45.1
12:05 AM - 12:10 AM	46.2	50.5	45.4
12:10 AM - 12:15 AM	45.9	49.2	45.3
12:15 AM - 12:20 AM	45.8	49.2	45.0

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Approved by

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459284-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599080-1
Parameter Noise
Location โรงเก็บน้ำมันหล่อ (อ.แม่ท่าเรือ) (N1) (จุดนำค่า) (GPS 47P 0746513, 1426036) (Shut down)
Measurement Date Nov 16 - 17, 2025
Measurement by Apichart Wilars
Sound Level Meter 531305

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	45.9	53.8	45.3
03:45 AM - 03:50 AM	46.2	49.6	45.3
03:50 AM - 03:55 AM	46.5	50.7	45.5
03:55 AM - 04:00 AM	46.7	50.7	45.7
04:00 AM - 04:05 AM	46.9	50.4	45.6
04:05 AM - 04:10 AM	47.2	51.2	45.6
04:10 AM - 04:15 AM	47.0	50.9	45.7
04:15 AM - 04:20 AM	47.2	51.0	45.7
04:20 AM - 04:25 AM	47.8	52.1	46.1
04:25 AM - 04:30 AM	47.4	51.1	46.1
04:30 AM - 04:35 AM	48.0	51.7	46.7
04:35 AM - 04:40 AM	48.7	52.3	46.9
04:40 AM - 04:45 AM	48.9	52.2	47.2
04:45 AM - 04:50 AM	49.2	52.1	47.9
04:50 AM - 04:55 AM	49.4	52.6	48.2
04:55 AM - 05:00 AM	49.8	52.8	48.8
05:00 AM - 05:05 AM	49.8	52.5	48.7
05:05 AM - 05:10 AM	49.9	52.5	48.7
05:10 AM - 05:15 AM	49.5	52.8	48.2
05:15 AM - 05:20 AM	50.1	51.8	49.1
05:20 AM - 05:25 AM	50.5	58.0	49.5
05:25 AM - 05:30 AM	51.3	69.6	49.8
05:30 AM - 05:35 AM	51.0	53.7	50.3
05:35 AM - 05:40 AM	51.1	53.6	50.3
05:40 AM - 05:45 AM	51.5	61.9	49.6
05:45 AM - 05:50 AM	50.3	55.7	49.2
05:50 AM - 05:55 AM	50.4	55.3	49.4
05:55 AM - 06:00 AM	50.1	53.0	49.4
06:00 AM - 07:00 AM	49.6	71.2	48.1
07:00 AM - 08:00 AM	48.9	67.4	46.4
08:00 AM - 09:00 AM	48.5	67.4	44.0
09:00 AM - 10:00 AM	47.9	68.1	43.6

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการมาตรฐานสิ่งแวดล้อม เรื่อง วิธีการตรวจวัดระดับเสียงในสถานที่ปฏิบัติงาน การตรวจวัดและคำนวณระดับเสียงของกิจกรรมการก่อสร้างและสถานที่ปฏิบัติงานการจราจรในสถานที่สาธารณะ พ.ร.บ. 2565

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459284-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599080-1
Parameter Noise
Location โรงเก็บน้ำมันหล่อ (อ.แม่ท่าเรือ) (N1) (จุดนำค่า) (GPS 47P 0746513, 1426036) (Shut down)
Measurement Date Nov 16 - 17, 2025
Measurement by Apichart Wilars
Sound Level Meter 531305

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:20 AM - 12:25 AM	46.2	49.6	45.6
12:25 AM - 12:30 AM	47.0	50.9	46.4
12:30 AM - 12:35 AM	47.6	66.1	46.3
12:35 AM - 12:40 AM	48.4	68.0	46.4
12:40 AM - 12:45 AM	47.2	53.4	46.4
12:45 AM - 12:50 AM	47.2	51.8	46.6
12:50 AM - 12:55 AM	47.1	50.8	46.7
12:55 AM - 01:00 AM	47.5	52.9	46.6
01:00 AM - 01:05 AM	47.1	50.1	46.5
01:05 AM - 01:10 AM	46.6	49.9	45.9
01:10 AM - 01:15 AM	46.6	50.2	45.7
01:15 AM - 01:20 AM	46.7	49.9	46.1
01:20 AM - 01:25 AM	46.8	49.2	46.2
01:25 AM - 01:30 AM	46.9	50.9	46.1
01:30 AM - 01:35 AM	46.8	50.7	46.1
01:35 AM - 01:40 AM	46.8	50.0	46.2
01:40 AM - 01:45 AM	46.5	50.6	45.8
01:45 AM - 01:50 AM	46.2	49.3	45.7
01:50 AM - 01:55 AM	45.9	50.0	45.3
01:55 AM - 02:00 AM	45.6	50.1	45.0
02:00 AM - 02:05 AM	46.2	50.5	45.2
02:05 AM - 02:10 AM	46.2	51.0	45.2
02:10 AM - 02:15 AM	46.5	57.0	45.5
02:15 AM - 02:20 AM	47.3	60.7	45.7
02:20 AM - 02:25 AM	46.4	54.8	45.4
02:25 AM - 02:30 AM	46.5	50.5	45.8
02:30 AM - 02:35 AM	46.0	49.7	45.5
02:35 AM - 02:40 AM	46.5	49.8	46.1
02:40 AM - 02:45 AM	46.3	50.4	45.8
02:45 AM - 02:50 AM	46.6	48.9	46.1
02:50 AM - 02:55 AM	46.3	48.6	45.7
02:55 AM - 03:00 AM	46.5	48.2	45.0
03:00 AM - 03:05 AM	45.7	48.4	45.1
03:05 AM - 03:10 AM	46.0	55.5	45.4
03:10 AM - 03:15 AM	45.8	48.4	45.0
03:15 AM - 03:20 AM	45.9	49.0	45.2
03:20 AM - 03:25 AM	46.2	48.8	45.5
03:25 AM - 03:30 AM	46.1	51.2	45.3
03:30 AM - 03:35 AM	46.4	56.3	45.5
03:35 AM - 03:40 AM	46.0	57.2	45.3

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459285-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599080-2
Parameter Noise
Location โรงเรือนฆ่าแมลง (อ.แม่จันทน์) (N1) (จุดลำโพง) (GPS 47P 0746513, 1426036) (Shut down)
Measurement Date Nov 17 - 18, 2025
Measurement by Apichart Wilars
Sound Level Meter 531305

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	47.1	50.2	46.5
12:35 AM - 12:40 AM	47.1	50.2	46.4
12:40 AM - 12:45 AM	47.2	50.8	46.6
12:45 AM - 12:50 AM	47.0	50.6	46.4
12:50 AM - 12:55 AM	47.4	51.5	46.6
12:55 AM - 01:00 AM	47.3	51.4	46.5
01:00 AM - 01:05 AM	46.7	51.0	45.9
01:05 AM - 01:10 AM	46.8	49.5	46.0
01:10 AM - 01:15 AM	47.0	49.5	46.5
01:15 AM - 01:20 AM	46.7	49.8	46.1
01:20 AM - 01:25 AM	47.0	49.1	45.6
01:25 AM - 01:30 AM	46.4	50.0	45.8
01:30 AM - 01:35 AM	46.5	54.1	45.6
01:35 AM - 01:40 AM	46.2	49.1	45.6
01:40 AM - 01:45 AM	46.3	49.3	45.7
01:45 AM - 01:50 AM	45.6	48.6	44.9
01:50 AM - 01:55 AM	45.7	49.1	45.7
01:55 AM - 02:00 AM	46.1	51.8	45.4
02:00 AM - 02:05 AM	46.1	49.3	45.5
02:05 AM - 02:10 AM	46.3	49.7	45.6
02:10 AM - 02:15 AM	46.3	50.5	45.4
02:15 AM - 02:20 AM	46.7	50.7	45.3
02:20 AM - 02:25 AM	46.7	50.9	45.6
02:25 AM - 02:30 AM	46.2	50.9	45.3
02:30 AM - 02:35 AM	46.6	50.7	45.6
02:35 AM - 02:40 AM	46.8	51.3	45.8
02:40 AM - 02:45 AM	47.0	54.8	45.8
02:45 AM - 02:50 AM	46.8	51.2	45.8
02:50 AM - 02:55 AM	46.5	50.6	45.4
02:55 AM - 03:00 AM	46.1	50.6	45.4
03:00 AM - 03:05 AM	46.2	50.2	45.3
03:05 AM - 03:10 AM	46.3	49.4	45.7
03:10 AM - 03:15 AM	46.9	50.8	45.9
03:15 AM - 03:20 AM	46.8	49.8	46.1
03:20 AM - 03:25 AM	46.8	49.3	46.1
03:25 AM - 03:30 AM	46.5	49.1	45.9
03:30 AM - 03:35 AM	46.2	48.7	45.7
03:35 AM - 03:40 AM	45.4	48.0	45.0
03:40 AM - 03:45 AM	45.8	47.9	45.3

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459285-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample No. 2599080-2
Parameter Noise
Location โรงเรือนฆ่าแมลง (อ.แม่จันทน์) (N1) (จุดลำโพง) (GPS 47P 0746513, 1426036) (Shut down)
Measurement Date Nov 17 - 18, 2025
Measurement by Apichart Wilars
Sound Level Meter 531305

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	45.9	48.2	45.4
03:45 AM - 03:50 AM	45.9	47.8	45.4
03:50 AM - 03:55 AM	46.8	51.1	45.8
03:55 AM - 04:00 AM	47.6	51.5	46.3
04:00 AM - 04:05 AM	46.0	49.2	45.2
04:05 AM - 04:10 AM	45.6	48.5	44.8
04:10 AM - 04:15 AM	46.4	48.9	45.6
04:15 AM - 04:20 AM	46.4	48.9	45.7
04:20 AM - 04:25 AM	46.3	50.6	45.6
04:25 AM - 04:30 AM	46.4	50.0	45.7
04:30 AM - 04:35 AM	47.3	50.4	46.5
04:35 AM - 04:40 AM	48.0	50.9	47.0
04:40 AM - 04:45 AM	48.4	51.8	47.2
04:45 AM - 04:50 AM	48.6	52.1	47.5
04:50 AM - 04:55 AM	51.7	55.1	48.1
04:55 AM - 05:00 AM	50.1	60.9	48.8
05:00 AM - 05:05 AM	51.3	66.2	48.0
05:05 AM - 05:10 AM	50.7	61.5	48.3
05:10 AM - 05:15 AM	48.9	52.1	47.6
05:15 AM - 05:20 AM	49.4	59.7	47.5
05:20 AM - 05:25 AM	49.8	61.2	48.2
05:25 AM - 05:30 AM	49.2	52.8	48.0
05:30 AM - 05:35 AM	49.2	54.9	47.9
05:35 AM - 05:40 AM	51.3	58.2	49.5
05:40 AM - 05:45 AM	50.5	56.6	49.6
05:45 AM - 05:50 AM	50.8	54.4	49.8
05:50 AM - 05:55 AM	50.6	55.1	49.5
05:55 AM - 06:00 AM	50.6	54.1	49.6
06:00 AM - 07:00 AM	50.6	69.0	48.7
07:00 AM - 08:00 AM	49.7	74.5	46.2
08:00 AM - 09:00 AM	48.1	68.2	44.2
09:00 AM - 10:00 AM	46.9	65.5	44.0

Reference Method :

1. ISO 1996-1
2. ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงที่ฐานารวม ระดับเสียงของสถานีการตรวจ การตรวจวัดและค่ามาตรฐานระดับเสียงของสถานีการตรวจ การคำนวณการเกินมาตรฐาน และแนวปฏิบัติในการตรวจวัดระดับเสียงตาม พ.ร.บ. 2565

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Life Sciences

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459286-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599080-3
Parameter Noise
Location โรงเรือนฆ่าแมลง (อ.แม่จันทน์) (N1) (จุดลำโพง) (GPS 47P 0746513, 1426036) (Shut down)
Measurement Date Nov 18 - 19, 2025
Measurement by Apichart Wilars
Sound Level Meter 531305

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	50.2	73.9	45.1
11:00 AM - 12:00 PM	60.9	81.9	53.7
12:00 PM - 01:00 PM	53.6	75.0	47.4
01:00 PM - 02:00 PM	55.9	75.9	46.4
02:00 PM - 03:00 PM	48.7	66.4	43.7
03:00 PM - 04:00 PM	48.0	68.6	44.0
04:00 PM - 05:00 PM	46.6	64.1	44.1
05:00 PM - 06:00 PM	48.0	68.1	44.9
06:00 PM - 07:00 PM	51.2	67.7	49.7
07:00 PM - 08:00 PM	51.1	65.8	50.1
08:00 PM - 09:00 PM	49.5	66.8	48.5
09:00 PM - 10:00 PM	48.6	58.6	47.7
10:00 PM - 10:05 PM	48.6	51.6	47.7
10:05 PM - 10:10 PM	48.1	51.7	46.8
10:10 PM - 10:15 PM	48.1	51.4	47.1
10:15 PM - 10:20 PM	48.2	51.5	47.2
10:20 PM - 10:25 PM	47.4	50.6	46.2
10:25 PM - 10:30 PM	47.5	51.7	46.3
10:30 PM - 10:35 PM	47.7	53.5	46.3
10:35 PM - 10:40 PM	47.9	63.0	46.4
10:40 PM - 10:45 PM	47.5	66.6	45.6
10:45 PM - 10:50 PM	46.6	56.1	45.4
10:50 PM - 10:55 PM	46.7	48.9	45.9
10:55 PM - 11:00 PM	47.5	57.6	45.8
11:00 PM - 11:05 PM	46.9	49.9	46.1
11:05 PM - 11:10 PM	47.0	54.0	45.8
11:10 PM - 11:15 PM	46.8	49.2	45.9
11:15 PM - 11:20 PM	47.1	53.1	46.0
11:20 PM - 11:25 PM	46.6	52.5	45.4
11:25 PM - 11:30 PM	46.0	49.8	45.2
11:30 PM - 11:35 PM	46.5	50.6	45.2
11:35 PM - 11:40 PM	46.9	50.9	45.8
11:40 PM - 11:45 PM	47.1	52.2	45.7
11:45 PM - 11:50 PM	46.5	53.6	44.8
11:50 PM - 11:55 PM	46.8	63.2	44.2
11:55 PM - 12:00 AM	46.6	57.4	44.5
12:00 AM - 12:05 AM	47.0	53.8	45.4
12:05 AM - 12:10 AM	47.1	50.5	45.1
12:10 AM - 12:15 AM	46.7	51.5	45.5
12:15 AM - 12:20 AM	46.5	57.1	45.4

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Life Sciences

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459286-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599080-3
Parameter Noise
Location โรงเรือนฆ่าแมลง (อ.แม่จันทน์) (N1) (จุดลำโพง) (GPS 47P 0746513, 1426036) (Shut down)
Measurement Date Nov 18 - 19, 2025
Measurement by Apichart Wilars
Sound Level Meter 531305

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	45.6	50.6	45.6
12:35 AM - 12:40 AM	46.2	50.6	45.2
12:40 AM - 12:45 AM	46.4	49.8	45.6
12:45 AM - 12:50 AM	46.7	50.0	45.9
12:50 AM - 12:55 AM	46.6	50.6	45.7
12:55 AM - 01:00 AM	46.5	51.4	45.6
01:00 AM - 01:05 AM	46.3	50.5	45.6
01:05 AM - 01:10 AM	46.3	50.5	45.7
01:10 AM - 01:15 AM	46.5	50.5	45.8
01:15 AM - 01:20 AM	46.6	50.3	46.0
01:20 AM - 01:25 AM	46.3	49.7	45.7
01:25 AM - 01:30 AM	46.2	50.0	45.5
01:30 AM - 01:35 AM	46.0	49.2	45.6
01:35 AM - 01:40 AM	45.7	49.4	45.1
01:40 AM - 01:45 AM	43.7	55.8	41.6
01:45 AM - 01:50 AM	53.1	58.0	42.4
01:50 AM - 01:55 AM	52.5	57.1	50.7
01:55 AM - 02:00 AM	56.2	60.3	55.2
02:00 AM - 02:05 AM	57.7	61.7	56.6
02:05 AM - 02:10 AM	55.2	61.4	52.2
02:10 AM - 02:15 AM	56.3	61.5	54.7
02:15 AM - 02:20 AM	56.9	54.9	54.9
02:20 AM - 02:25 AM	49.3	56.4	45.8
02:25 AM - 02:30 AM	45.9	49.8	45.5
02:30 AM - 02:35 AM	46.2	54.9	46.0
02:35 AM - 02:40 AM	46.8	50.1	46.2
02:40 AM - 02:45 AM	47.2	51.1	46.6
02:45 AM - 02:50 AM	47.2	51.2	46.4
02:50 AM - 02:55 AM	46.5	49.1	46.1
02:55 AM - 03:00 AM	46.4	48.7	46.0
03:00 AM - 03:05 AM	46.5	49.4	46.1
03:05 AM - 03:10 AM	46.5	50.5	46.9
03:10 AM - 03:15 AM	47.2	50.7	46.4
03:15 AM - 03:20 AM	47.7	50.1	47.0
03:20 AM - 03:25 AM	47.4	56.1	46.8
03:25 AM - 03:30 AM	47.4	53.6	47.4
03:30 AM - 03:35 AM	47.0	51.8	46.7
03:35 AM - 03:40 AM	46.9	48.8	46.6

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

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Life Sciences

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report No. : 3459286-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599080-3
Parameter Noise
Location โรงเรือนฆ่าแมลง (ค.แมลง) (N1) (จุดล่าง) (GPS 47P 0746513, 1426036) (Shut down)
Measurement Date Nov 18 - 19, 2025
Measurement by Apichart Wilars
Sound Level Meter 531305

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	47.4	49.9	46.7
03:45 AM - 03:50 AM	47.4	56.4	47.2
03:50 AM - 03:55 AM	48.3	54.3	47.4
03:55 AM - 04:00 AM	48.5	51.8	47.7
04:00 AM - 04:05 AM	49.0	53.6	48.2
04:05 AM - 04:10 AM	48.9	52.1	48.1
04:10 AM - 04:15 AM	49.2	52.3	48.3
04:15 AM - 04:20 AM	49.6	52.4	48.8
04:20 AM - 04:25 AM	49.9	52.8	49.1
04:25 AM - 04:30 AM	50.1	55.2	49.3
04:30 AM - 04:35 AM	50.1	52.8	49.3
04:35 AM - 04:40 AM	50.1	52.6	49.4
04:40 AM - 04:45 AM	50.3	52.7	49.5
04:45 AM - 04:50 AM	50.6	53.0	49.6
04:50 AM - 04:55 AM	50.4	52.9	49.6
04:55 AM - 05:00 AM	50.6	53.2	49.9
05:00 AM - 05:05 AM	50.4	53.0	49.9
05:05 AM - 05:10 AM	50.3	54.2	49.4
05:10 AM - 05:15 AM	50.4	52.8	49.5
05:15 AM - 05:20 AM	50.5	52.9	49.8
05:20 AM - 05:25 AM	50.4	52.6	49.6
05:25 AM - 05:30 AM	51.0	61.3	49.9
05:30 AM - 05:35 AM	51.0	53.5	50.2
05:35 AM - 05:40 AM	51.4	54.6	50.4
05:40 AM - 05:45 AM	51.4	57.4	50.5
05:45 AM - 05:50 AM	52.3	60.0	51.1
05:50 AM - 05:55 AM	51.7	54.8	51.1
05:55 AM - 06:00 AM	51.9	53.9	51.2
06:00 AM - 07:00 AM	51.4	55.5	50.4
07:00 AM - 08:00 AM	50.7	69.2	48.6
08:00 AM - 09:00 AM	50.5	67.7	46.5
09:00 AM - 10:00 AM	50.8	74.7	46.7

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงที่ฐานารับเสียงของอาคารเพื่อการตรวจ การตรวจวัดและคำนวณค่าระดับเสียงของอาคารตาม การกำหนดค่าการรบกวน และแบบฉบับการตรวจวัดเสียงตาม พ.ร. 2565

Approved by

Wilwan Borik
Wilwan Borik
Manager

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Life Sciences

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report No. : 3459287-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599080-4
Parameter Noise
Location โรงเรือนฆ่าแมลง (ค.แมลง) (N1) (จุดล่าง) (GPS 47P 0746513, 1426036) (Shut down)
Measurement Date Nov 19 - 20, 2025
Measurement by Apichart Wilars
Sound Level Meter 531305

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	51.1	51.1	47.6
11:00 AM - 12:00 PM	62.4	86.1	53.5
12:00 PM - 01:00 PM	52.7	76.7	47.9
01:00 PM - 02:00 PM	59.0	69.9	46.3
02:00 PM - 03:00 PM	49.2	67.0	45.5
03:00 PM - 04:00 PM	48.9	73.1	44.9
04:00 PM - 05:00 PM	51.4	68.7	48.6
05:00 PM - 06:00 PM	48.0	63.6	45.8
06:00 PM - 07:00 PM	49.9	67.3	47.8
07:00 PM - 08:00 PM	48.8	67.7	47.1
08:00 PM - 09:00 PM	49.1	67.8	47.2
09:00 PM - 10:00 PM	47.8	64.4	46.4
10:00 PM - 10:05 PM	48.1	54.1	45.2
10:05 PM - 10:10 PM	48.2	54.2	45.3
10:10 PM - 10:15 PM	46.4	49.7	45.6
10:15 PM - 10:20 PM	46.5	54.3	45.5
10:20 PM - 10:25 PM	46.5	53.0	45.2
10:25 PM - 10:30 PM	46.1	52.8	45.1
10:30 PM - 10:35 PM	46.8	53.1	45.1
10:35 PM - 10:40 PM	46.5	53.4	45.4
10:40 PM - 10:45 PM	47.1	54.8	45.9
10:45 PM - 10:50 PM	48.1	62.8	45.5
10:50 PM - 10:55 PM	47.8	60.5	45.7
10:55 PM - 11:00 PM	50.1	66.7	45.2
11:00 PM - 11:05 PM	48.1	65.5	45.5
11:05 PM - 11:10 PM	46.0	53.6	45.1
11:10 PM - 11:15 PM	46.4	54.2	45.4
11:15 PM - 11:20 PM	46.3	52.2	45.2
11:20 PM - 11:25 PM	51.7	70.0	45.8
11:25 PM - 11:30 PM	46.1	55.8	45.2
11:30 PM - 11:35 PM	46.4	55.5	45.4
11:35 PM - 11:40 PM	46.9	52.8	45.7
11:40 PM - 11:45 PM	47.0	61.2	45.5
11:45 PM - 11:50 PM	47.8	55.5	45.5
11:50 PM - 11:55 PM	48.2	55.9	46.4
11:55 PM - 12:00 AM	47.2	57.0	45.4
12:00 AM - 12:05 AM	48.1	64.4	47.0
12:05 AM - 12:10 AM	48.8	62.2	46.3
12:10 AM - 12:15 AM	51.1	66.4	46.6
12:15 AM - 12:20 AM	47.4	53.9	45.9

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Approved by

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Life Sciences

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report No. : 3459287-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599080-4
Parameter Noise
Location โรงเรือนฆ่าแมลง (ค.แมลง) (N1) (จุดล่าง) (GPS 47P 0746513, 1426036) (Shut down)
Measurement Date Nov 19 - 20, 2025
Measurement by Apichart Wilars
Sound Level Meter 531305

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:20 AM - 12:25 AM	48.8	63.9	46.4
12:25 AM - 12:30 AM	48.2	54.2	46.7
12:30 AM - 12:35 AM	48.3	59.7	47.4
12:35 AM - 12:40 AM	48.8	54.5	47.6
12:40 AM - 12:45 AM	48.7	54.2	47.5
12:45 AM - 12:50 AM	49.0	55.1	47.8
12:50 AM - 12:55 AM	49.1	55.3	47.9
12:55 AM - 01:00 AM	49.2	55.1	48.3
01:00 AM - 01:05 AM	48.7	54.7	46.7
01:05 AM - 01:10 AM	47.7	53.6	46.9
01:10 AM - 01:15 AM	47.6	54.1	46.8
01:15 AM - 01:20 AM	47.4	51.8	46.7
01:20 AM - 01:25 AM	47.4	50.7	46.9
01:25 AM - 01:30 AM	47.0	50.6	46.5
01:30 AM - 01:35 AM	47.0	53.4	46.2
01:35 AM - 01:40 AM	47.4	51.3	46.8
01:40 AM - 01:45 AM	47.1	48.5	46.6
01:45 AM - 01:50 AM	47.7	53.2	46.8
01:50 AM - 01:55 AM	47.3	51.4	46.4
01:55 AM - 02:00 AM	48.3	53.5	46.5
02:00 AM - 02:05 AM	49.2	58.3	47.0
02:05 AM - 02:10 AM	49.5	67.3	46.8
02:10 AM - 02:15 AM	50.0	56.4	46.9
02:15 AM - 02:20 AM	47.8	57.0	46.5
02:20 AM - 02:25 AM	49.1	58.1	46.6
02:25 AM - 02:30 AM	48.8	62.3	47.1
02:30 AM - 02:35 AM	48.8	53.4	46.9
02:35 AM - 02:40 AM	47.5	51.4	46.4
02:40 AM - 02:45 AM	46.9	60.8	46.0
02:45 AM - 02:50 AM	47.0	49.6	46.2
02:50 AM - 02:55 AM	47.4	53.4	46.5
02:55 AM - 03:00 AM	47.2	49.7	46.5
03:00 AM - 03:05 AM	47.4	55.0	46.8
03:05 AM - 03:10 AM	47.3	50.9	46.4
03:10 AM - 03:15 AM	47.2	50.3	46.1
03:15 AM - 03:20 AM	47.6	54.4	46.5
03:20 AM - 03:25 AM	47.5	51.4	46.5
03:25 AM - 03:30 AM	47.7	51.6	46.5
03:30 AM - 03:35 AM	47.6	51.3	46.8
03:35 AM - 03:40 AM	47.5	51.5	46.5

Approved by

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Life Sciences

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report No. : 3459287-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample No. 2599080-4
Parameter Noise
Location โรงเรือนฆ่าแมลง (ค.แมลง) (N1) (จุดล่าง) (GPS 47P 0746513, 1426036) (Shut down)
Measurement Date Nov 19 - 20, 2025
Measurement by Apichart Wilars
Sound Level Meter 531305

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	47.7	51.2	46.7
03:45 AM - 03:50 AM	48.0	51.5	46.8
03:50 AM - 03:55 AM	47.7	50.9	46.7
03:55 AM - 04:00 AM	47.4	52.2	46.5
04:00 AM - 04:05 AM	47.6	51.2	46.6
04:05 AM - 04:10 AM	47.6	51.1	46.5
04:10 AM - 04:15 AM	47.7	51.3	46.6
04:15 AM - 04:20 AM	47.8	51.4	46.8
04:20 AM - 04:25 AM	47.6	50.8	46.4
04:25 AM - 04:30 AM	47.8	51.2	46.7
04:30 AM - 04:35 AM	48.1	51.4	47.0
04:35 AM - 04:40 AM	48.4	57.9	47.2
04:40 AM - 04:45 AM	48.3	52.7	47.3
04:45 AM - 04:50 AM	48.0	56.7	47.7
04:50 AM - 04:55 AM	49.1	52.9	48.0
04:55 AM - 05:00 AM	49.0	52.0	48.0
05:00 AM - 05:05 AM	49.0	52.0	48.1
05:05 AM - 05:10 AM	49.0	51.5	48.0
05:10 AM - 05:15 AM	48.6	51.8	47.6
05:15 AM - 05:20 AM	49.0	52.3	48.1
05:20 AM - 05:25 AM	48.8	52.1	47.6
05:25 AM - 05:30 AM	48.8	52.9	47.7
05:30 AM - 05:35 AM	49.3	58.7	48.0
05:35 AM - 05:40 AM	50.3	64.0	48.6
05:40 AM - 05:45 AM	51.3	65.5	48.6
05:45 AM - 05:50 AM	50.4	60.6	49.5
05:50 AM - 05:55 AM	50.1	52.9	49.2
05:55 AM - 06:00 AM	50.3	52.9	49.5
06:00 AM - 07:00 AM	49.1	65.1	47.7
07:00 AM - 08:00 AM	50.2	74.3	46.7
08:00 AM - 09:00 AM	52.2	72.1	48.3
09:00 AM - 10:00 AM	49.6	65.1	46.9

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงที่ฐานารับเสียงของอาคารเพื่อการตรวจ การตรวจวัดและคำนวณค่าระดับเสียงของอาคารตาม การกำหนดค่าการรบกวน และแบบฉบับการตรวจวัดเสียงตาม พ.ร. 2565

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Wilwan Borik
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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459288-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599080-5
Parameter Noise
Location โรงเรือนฆ่าแมลง (อ.แม่จาง) (N1) (จุดสาธิต) (GPS 47P 0746513, 1426036) (Shut down)
Measurement Date Nov 20 - 21, 2025
Measurement by Apichart Wilars
Sound Level Meter 531305

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	53.3	73.6	49.1
11:00 AM - 12:00 PM	59.9	80.0	52.5
12:00 PM - 01:00 PM	60.2	97.7	46.8
01:00 PM - 02:00 PM	56.3	89.7	44.8
02:00 PM - 03:00 PM	49.4	65.2	45.1
03:00 PM - 04:00 PM	50.0	70.7	45.7
04:00 PM - 05:00 PM	52.6	80.7	44.7
05:00 PM - 06:00 PM	48.7	77.1	44.9
06:00 PM - 07:00 PM	47.2	67.0	45.3
07:00 PM - 08:00 PM	47.5	62.4	45.9
08:00 PM - 09:00 PM	49.4	72.1	45.5
09:00 PM - 10:00 PM	48.4	62.4	45.2
10:00 PM - 10:05 PM	48.3	56.5	45.2
10:05 PM - 10:10 PM	48.2	58.9	44.7
10:10 PM - 10:15 PM	46.3	55.0	44.6
10:15 PM - 10:20 PM	46.5	56.2	44.8
10:20 PM - 10:25 PM	48.2	56.6	45.1
10:25 PM - 10:30 PM	48.8	56.7	45.6
10:30 PM - 10:35 PM	48.9	57.0	45.0
10:35 PM - 10:40 PM	47.7	56.3	44.7
10:40 PM - 10:45 PM	47.4	56.4	44.9
10:45 PM - 10:50 PM	48.3	56.8	44.8
10:50 PM - 10:55 PM	47.4	57.0	44.6
10:55 PM - 11:00 PM	47.6	57.5	44.4
11:00 PM - 11:05 PM	48.7	63.2	44.7
11:05 PM - 11:10 PM	46.5	52.3	44.9
11:10 PM - 11:15 PM	46.6	51.9	44.6
11:15 PM - 11:20 PM	46.2	51.8	44.7
11:20 PM - 11:25 PM	46.7	52.7	44.7
11:25 PM - 11:30 PM	46.8	52.6	45.1
11:30 PM - 11:35 PM	47.0	56.2	45.9
11:35 PM - 11:40 PM	47.1	52.1	45.7
11:40 PM - 11:45 PM	47.2	54.1	45.8
11:45 PM - 11:50 PM	46.2	49.3	45.9
11:50 PM - 11:55 PM	46.5	54.9	45.6
11:55 PM - 12:00 AM	46.5	49.3	45.0
12:00 AM - 12:05 AM	46.4	49.2	45.4
12:05 AM - 12:10 AM	46.2	49.7	45.6
12:10 AM - 12:15 AM	46.5	50.2	45.7
12:15 AM - 12:20 AM	46.6	52.7	45.8

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459288-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599080-5
Parameter Noise
Location โรงเรือนฆ่าแมลง (อ.แม่จาง) (N1) (จุดสาธิต) (GPS 47P 0746513, 1426036) (Shut down)
Measurement Date Nov 20 - 21, 2025
Measurement by Apichart Wilars
Sound Level Meter 531305

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:20 AM - 12:25 AM	46.4	49.5	45.9
12:25 AM - 12:30 AM	46.4	50.9	45.9
12:30 AM - 12:35 AM	45.8	48.2	45.3
12:35 AM - 12:40 AM	47.2	57.2	45.6
12:40 AM - 12:45 AM	46.4	48.9	45.9
12:45 AM - 12:50 AM	46.2	50.6	45.6
12:50 AM - 12:55 AM	46.6	50.9	45.7
12:55 AM - 01:00 AM	46.6	51.1	45.8
01:00 AM - 01:05 AM	46.6	50.6	45.8
01:05 AM - 01:10 AM	45.6	50.9	44.5
01:10 AM - 01:15 AM	45.6	51.4	44.5
01:15 AM - 01:20 AM	45.9	51.2	44.9
01:20 AM - 01:25 AM	45.5	49.0	44.5
01:25 AM - 01:30 AM	46.2	46.8	43.0
01:30 AM - 01:35 AM	45.8	49.6	44.8
01:35 AM - 01:40 AM	46.4	60.8	44.8
01:40 AM - 01:45 AM	45.3	49.4	44.8
01:45 AM - 01:50 AM	46.7	69.4	44.5
01:50 AM - 01:55 AM	46.1	65.6	44.9
01:55 AM - 02:00 AM	45.1	48.1	44.7
02:00 AM - 02:05 AM	46.0	54.3	45.1
02:05 AM - 02:10 AM	45.6	55.5	44.4
02:10 AM - 02:15 AM	45.7	51.6	45.0
02:15 AM - 02:20 AM	46.5	61.6	44.9
02:20 AM - 02:25 AM	46.3	59.4	44.7
02:25 AM - 02:30 AM	45.5	49.1	44.5
02:30 AM - 02:35 AM	46.5	55.3	45.3
02:35 AM - 02:40 AM	46.2	49.8	45.2
02:40 AM - 02:45 AM	46.2	49.2	45.4
02:45 AM - 02:50 AM	46.0	55.0	44.7
02:50 AM - 02:55 AM	46.1	49.1	45.0
02:55 AM - 03:00 AM	46.6	51.9	45.6
03:00 AM - 03:05 AM	46.8	53.7	45.7
03:05 AM - 03:10 AM	47.2	53.4	45.6
03:10 AM - 03:15 AM	47.4	54.4	45.9
03:15 AM - 03:20 AM	47.8	54.7	46.2
03:20 AM - 03:25 AM	47.3	53.6	46.0
03:25 AM - 03:30 AM	47.1	51.9	46.0
03:30 AM - 03:35 AM	47.7	53.8	46.3
03:35 AM - 03:40 AM	48.4	54.0	46.7

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459288-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample No. 2599080-5
Parameter Noise
Location โรงเรือนฆ่าแมลง (อ.แม่จาง) (N1) (จุดสาธิต) (GPS 47P 0746513, 1426036) (Shut down)
Measurement Date Nov 20 - 21, 2025
Measurement by Apichart Wilars
Sound Level Meter 531305

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	48.4	54.1	47.1
03:45 AM - 03:50 AM	48.6	54.5	47.1
03:50 AM - 03:55 AM	48.4	55.6	47.1
03:55 AM - 04:00 AM	48.4	58.8	46.9
04:00 AM - 04:05 AM	48.1	54.2	46.3
04:05 AM - 04:10 AM	48.6	54.8	46.5
04:10 AM - 04:15 AM	50.0	63.9	46.9
04:15 AM - 04:20 AM	48.6	56.6	46.6
04:20 AM - 04:25 AM	49.1	56.5	47.3
04:25 AM - 04:30 AM	48.6	63.4	47.4
04:30 AM - 04:35 AM	49.0	56.6	47.8
04:35 AM - 04:40 AM	49.2	52.6	47.9
04:40 AM - 04:45 AM	49.1	56.6	48.0
04:45 AM - 04:50 AM	49.2	54.5	48.0
04:50 AM - 04:55 AM	49.6	52.4	48.4
04:55 AM - 05:00 AM	49.7	53.8	48.7
05:00 AM - 05:05 AM	49.9	53.0	49.0
05:05 AM - 05:10 AM	49.9	53.2	49.8
05:10 AM - 05:15 AM	49.2	52.3	48.8
05:15 AM - 05:20 AM	49.9	55.1	48.0
05:20 AM - 05:25 AM	49.9	52.5	48.8
05:25 AM - 05:30 AM	50.4	57.0	49.3
05:30 AM - 05:35 AM	50.0	53.1	48.8
05:35 AM - 05:40 AM	50.1	54.2	49.2
05:40 AM - 05:45 AM	50.4	53.3	49.5
05:45 AM - 05:50 AM	50.4	53.1	49.6
05:50 AM - 05:55 AM	50.7	53.9	49.7
05:55 AM - 06:00 AM	50.8	58.2	50.1
06:00 AM - 07:00 AM	49.9	68.6	47.8
07:00 AM - 08:00 AM	52.3	72.3	47.8
08:00 AM - 09:00 AM	51.9	70.3	47.4
09:00 AM - 10:00 AM	49.6	72.2	46.4

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดเสียงเสียงชุมชน ระดับเสียงขณะดำเนินการ การตรวจวัดและคำนวณระดับเสียงขณะดำเนินการ การคำนวณการรบกวนการนอน และแนวปฏิบัติในการตรวจวัดเสียงชุมชน พ.ศ. 2565

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459288-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599080-6
Parameter Noise
Location โรงเรือนฆ่าแมลง (อ.แม่จาง) (N1) (จุดสาธิต) (GPS 47P 0746513, 1426036) (Shut down)
Measurement Date Nov 21 - 22, 2025
Measurement by Apichart Wilars
Sound Level Meter 531305

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	51.5	75.1	46.9
11:00 AM - 12:00 PM	60.4	87.2	54.1
12:00 PM - 01:00 PM	55.2	81.5	47.7
01:00 PM - 02:00 PM	53.8	75.0	46.3
02:00 PM - 03:00 PM	51.4	72.5	46.4
03:00 PM - 04:00 PM	50.0	71.5	45.6
04:00 PM - 05:00 PM	48.4	67.4	45.2
05:00 PM - 06:00 PM	48.3	65.3	45.7
06:00 PM - 07:00 PM	48.0	64.5	46.0
07:00 PM - 08:00 PM	49.0	68.4	46.3
08:00 PM - 09:00 PM	47.1	63.9	45.1
09:00 PM - 10:00 PM	46.5	60.7	45.0
10:00 PM - 10:05 PM	46.7	50.8	45.7
10:05 PM - 10:10 PM	46.5	49.4	45.5
10:10 PM - 10:15 PM	47.2	52.0	45.7
10:15 PM - 10:20 PM	47.3	62.3	45.5
10:20 PM - 10:25 PM	47.0	51.9	45.7
10:25 PM - 10:30 PM	46.4	49.2	45.4
10:30 PM - 10:35 PM	46.2	49.7	45.2
10:35 PM - 10:40 AM	46.3	49.5	45.4
10:40 PM - 10:45 PM	46.5	49.8	45.3
10:45 PM - 10:50 PM	46.8	50.1	45.5
10:50 PM - 10:55 PM	47.1	50.6	45.8
10:55 PM - 11:00 PM	46.6	50.1	45.3
11:00 PM - 11:05 PM	46.3	48.9	44.8
11:05 PM - 11:10 PM	46.1	49.9	44.6
11:10 PM - 11:15 PM	46.7	52.8	44.9
11:15 PM - 11:20 PM	45.5	49.0	44.3
11:20 PM - 11:25 PM	45.8	49.0	44.6
11:25 PM - 11:30 PM	45.8	49.2	44.8
11:30 PM - 11:35 PM	46.1	49.2	44.9
11:35 PM - 11:40 PM	46.3	50.8	45.1
11:40 PM - 11:45 PM	45.8	49.1	45.2
11:45 PM - 11:50 PM	45.8	49.1	45.7
11:50 PM - 11:55 PM	45.9	51.8	44.8
11:55 PM - 12:00 AM	45.7	49.4	44.4
12:00 AM - 12:05 AM	46.0	52.3	43.9
12:05 AM - 12:10 AM	45.1	48.7	43.4
12:10 AM - 12:15 AM	45.9	49.6	44.6
12:15 AM - 12:20 AM	45.8	49.6	44.7

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459291-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599080-7
Parameter Noise
Location โรงเรือนฆ่าเชื้อ (ส.แม่ช้าง) (N1) (จุดลำแสง) (GPS 47P 0746513, 1426036) (Shut down)
Measurement Date Nov 22 - 23, 2025
Measurement by Apichart Wilars
Sound Level Meter 531305

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	48.4	52.5	47.3
03:45 AM - 03:50 AM	47.6	50.5	46.6
03:50 AM - 03:55 AM	48.0	52.3	46.6
03:55 AM - 04:00 AM	48.0	52.6	46.8
04:00 AM - 04:05 AM	47.8	51.5	46.8
04:05 AM - 04:10 AM	48.2	52.5	46.7
04:10 AM - 04:15 AM	48.3	52.5	46.8
04:15 AM - 04:20 AM	48.5	51.9	47.4
04:20 AM - 04:25 AM	48.6	52.2	47.4
04:25 AM - 04:30 AM	48.9	57.6	47.1
04:30 AM - 04:35 AM	48.7	52.5	47.6
04:35 AM - 04:40 AM	48.7	52.4	47.7
04:40 AM - 04:45 AM	48.6	52.5	47.5
04:45 AM - 04:50 AM	49.2	61.5	47.6
04:50 AM - 04:55 AM	49.1	53.5	48.2
04:55 AM - 05:00 AM	49.3	53.3	48.0
05:00 AM - 05:05 AM	48.7	51.8	47.5
05:05 AM - 05:10 AM	50.6	66.6	47.8
05:10 AM - 05:15 AM	48.9	52.6	47.9
05:15 AM - 05:20 AM	48.8	55.4	47.7
05:20 AM - 05:25 AM	50.3	54.7	48.9
05:25 AM - 05:30 AM	50.6	54.0	49.6
05:30 AM - 05:35 AM	50.2	52.8	49.2
05:35 AM - 05:40 AM	50.4	53.1	49.6
05:40 AM - 05:45 AM	50.2	53.1	49.4
05:45 AM - 05:50 AM	50.4	57.8	49.5
05:50 AM - 05:55 AM	49.7	52.6	48.9
05:55 AM - 06:00 AM	50.4	58.9	49.2
06:00 AM - 07:00 AM	49.0	64.0	47.2
07:00 AM - 08:00 AM	46.5	64.5	44.0
08:00 AM - 09:00 AM	45.3	62.3	41.8
09:00 AM - 10:00 AM	47.5	76.2	44.6

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการกฤษฎีกาว่าด้วยหลักเกณฑ์และวิธีการมาตรฐาน การตรวจวัดและค่ามาตรฐานเสียงของกิจกรรมการก่อกวนทางเสียง พ.ศ. 2565

Approved by

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459291-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599080-8
Parameter Noise
Location กลุ่มบ้าน หมู่ 2 บ้านหนองมะลิ 3 จุด 1 (ส.แม่ช้าง) (N2) (จุดลำแสง) (GPS 47P 0747567, 1427395) (Shut down)
Measurement Date Nov 16 - 17, 2025
Measurement by Apichart Wilars
Sound Level Meter 531300

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	50.1	70.2	44.6
11:00 AM - 12:00 PM	49.0	75.1	41.1
12:00 PM - 01:00 PM	47.7	65.2	41.0
01:00 PM - 02:00 PM	47.5	67.4	40.9
02:00 PM - 03:00 PM	50.3	69.3	41.4
03:00 PM - 04:00 PM	49.9	72.1	39.9
04:00 PM - 05:00 PM	48.8	68.1	41.4
05:00 PM - 06:00 PM	49.9	74.0	43.3
06:00 PM - 07:00 PM	49.3	62.8	44.8
07:00 PM - 08:00 PM	52.2	69.4	45.6
08:00 PM - 09:00 PM	49.2	68.3	43.8
09:00 PM - 10:00 PM	50.8	64.9	47.5
10:00 PM - 10:05 PM	44.0	61.2	37.9
10:05 PM - 10:10 PM	43.5	58.1	37.7
10:10 PM - 10:15 PM	42.2	55.9	37.9
10:15 PM - 10:20 PM	42.5	58.2	38.4
10:20 PM - 10:25 PM	39.0	55.4	37.3
10:25 PM - 10:30 PM	44.2	60.6	37.9
10:30 PM - 10:35 PM	43.3	57.1	37.9
10:35 PM - 10:40 PM	42.4	54.6	38.2
10:40 PM - 10:45 PM	41.9	52.7	38.0
10:45 PM - 10:50 PM	41.5	52.8	37.9
10:50 PM - 10:55 PM	43.9	56.2	38.1
10:55 PM - 11:00 PM	40.2	53.6	37.2
11:00 PM - 11:05 PM	41.3	50.7	37.4
11:05 PM - 11:10 PM	39.2	45.0	37.0
11:10 PM - 11:15 PM	40.6	46.5	37.7
11:15 PM - 11:20 PM	44.4	63.1	36.8
11:20 PM - 11:25 PM	49.9	71.2	37.4
11:25 PM - 11:30 PM	41.9	54.9	37.5
11:30 PM - 11:35 PM	40.2	47.0	37.6
11:35 PM - 11:40 PM	40.3	46.1	37.9
11:40 PM - 11:45 PM	42.2	55.6	37.8
11:45 PM - 11:50 PM	41.4	51.1	38.0
11:50 PM - 11:55 PM	41.3	54.7	38.2
11:55 PM - 12:00 AM	42.3	57.2	37.9
12:00 AM - 12:05 AM	39.3	49.7	37.4
12:05 AM - 12:10 AM	40.9	46.1	38.5
12:10 AM - 12:15 AM	39.1	46.0	37.6
12:15 AM - 12:20 AM	40.5	47.8	37.9

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Life Sciences

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459291-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599080-8
Parameter Noise
Location กลุ่มบ้าน หมู่ 2 บ้านหนองมะลิ 3 จุด 1 (ส.แม่ช้าง) (N2) (จุดลำแสง) (GPS 47P 0747567, 1427395) (Shut down)
Measurement Date Nov 16 - 17, 2025
Measurement by Apichart Wilars
Sound Level Meter 531300

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:20 AM - 12:25 AM	39.0	48.7	37.5
12:25 AM - 12:30 AM	40.6	46.0	37.8
12:30 AM - 12:35 AM	39.8	50.2	37.9
12:35 AM - 12:40 AM	40.8	45.6	38.4
12:40 AM - 12:45 AM	50.0	70.4	37.2
12:45 AM - 12:50 AM	40.8	50.7	37.2
12:50 AM - 12:55 AM	39.2	43.7	37.6
12:55 AM - 01:00 AM	40.3	43.1	38.1
01:00 AM - 01:05 AM	43.8	62.9	36.7
01:05 AM - 01:10 AM	40.9	56.0	36.8
01:10 AM - 01:15 AM	37.9	51.5	36.3
01:15 AM - 01:20 AM	39.5	43.7	36.6
01:20 AM - 01:25 AM	37.8	54.3	36.5
01:25 AM - 01:30 AM	39.9	47.8	36.6
01:30 AM - 01:35 AM	37.7	48.5	36.1
01:35 AM - 01:40 AM	40.1	47.3	36.8
01:40 AM - 01:45 AM	37.4	42.5	36.3
01:45 AM - 01:50 AM	42.7	59.5	37.8
01:50 AM - 01:55 AM	37.2	43.1	36.1
01:55 AM - 02:00 AM	39.8	49.1	36.1
02:00 AM - 02:05 AM	38.5	48.3	36.5
02:05 AM - 02:10 AM	40.8	48.6	39.0
02:10 AM - 02:15 AM	40.7	45.3	38.7
02:15 AM - 02:20 AM	40.4	45.3	38.7
02:20 AM - 02:25 AM	43.6	58.4	39.3
02:25 AM - 02:30 AM	40.4	53.6	38.1
02:30 AM - 02:35 AM	45.5	59.9	40.0
02:35 AM - 02:40 AM	51.4	62.8	43.7
02:40 AM - 02:45 AM	46.1	73.0	36.6
02:45 AM - 02:50 AM	46.3	70.1	36.6
02:50 AM - 02:55 AM	45.7	64.7	37.0
02:55 AM - 03:00 AM	50.8	63.8	38.6
03:00 AM - 03:05 AM	38.7	52.3	35.9
03:05 AM - 03:10 AM	43.2	57.7	36.8
03:10 AM - 03:15 AM	43.1	56.4	36.4
03:15 AM - 03:20 AM	38.3	52.6	36.1
03:20 AM - 03:25 AM	39.7	49.7	35.9
03:25 AM - 03:30 AM	38.0	46.7	37.0
03:30 AM - 03:35 AM	39.2	53.4	36.6
03:35 AM - 03:40 AM	49.8	62.6	36.0

Approved by

Wiwawan Borikak
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Life Sciences

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459291-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample No. 2599080-8
Parameter Noise
Location กลุ่มบ้าน หมู่ 2 บ้านหนองมะลิ 3 จุด 1 (ส.แม่ช้าง) (N2) (จุดลำแสง) (GPS 47P 0747567, 1427395) (Shut down)
Measurement Date Nov 16 - 17, 2025
Measurement by Apichart Wilars
Sound Level Meter 531300

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	39.2	43.1	36.2
03:45 AM - 03:50 AM	40.4	54.8	36.8
03:50 AM - 03:55 AM	38.9	45.8	37.1
03:55 AM - 04:00 AM	41.9	54.5	38.9
04:00 AM - 04:05 AM	40.8	53.1	38.0
04:05 AM - 04:10 AM	42.2	55.1	38.0
04:10 AM - 04:15 AM	41.8	51.0	38.5
04:15 AM - 04:20 AM	41.2	54.2	38.4
04:20 AM - 04:25 AM	42.5	55.6	38.5
04:25 AM - 04:30 AM	41.9	58.1	38.1
04:30 AM - 04:35 AM	44.1	56.2	38.5
04:35 AM - 04:40 AM	43.5	57.0	38.3
04:40 AM - 04:45 AM	41.9	55.2	38.3
04:45 AM - 04:50 AM	42.4	55.5	39.0
04:50 AM - 04:55 AM	50.1	66.2	37.8
04:55 AM - 05:00 AM	42.6	55.2	38.7
05:00 AM - 05:05 AM	42.8	54.6	39.5
05:05 AM - 05:10 AM	40.9	52.6	38.8
05:10 AM - 05:15 AM	41.0	50.6	39.0
05:15 AM - 05:20 AM	42.0	50.9	39.7
05:20 AM - 05:25 AM	41.7	54.5	39.2
05:25 AM - 05:30 AM	41.2	53.5	39.0
05:30 AM - 05:35 AM	44.6	54.4	39.5
05:35 AM - 05:40 AM	51.0	66.2	40.8
05:40 AM - 05:45 AM	45.7	59.1	41.0
05:45 AM - 05:50 AM	46.2	56.2	41.2
05:50 AM - 05:55 AM	45.5	58.2	41.1
05:55 AM - 06:00 AM	45.5	54.5	40.5
06:00 AM - 07:00 AM	48.5	73.4	40.3
07:00 AM - 08:00 AM	50.3	68.1	43.7
08:00 AM - 09:00 AM	48.4	65.1	42.4
09:00 AM - 10:00 AM	48.2	77.8	44.8

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการกฤษฎีกาว่าด้วยหลักเกณฑ์และวิธีการมาตรฐาน การตรวจวัดและค่ามาตรฐานเสียงของกิจกรรมการก่อกวนทางเสียง พ.ศ. 2565

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Life Sciences

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459292-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599080-9
Parameter Noise
Location กลุ่มบ้าน หมู่ 2 บ้านหนองมะลิ ๑ ซ.1 (ส.แม่ย่า) (N2) (จุดบ้าน) (GPS 47P 0747567, 1427395) (Shut down)
Measurement Date Nov 17 - 18, 2025
Measurement by Apichart Wilars
Sound Level Meter 531300

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	48.6	70.6	39.4
11:00 AM - 12:00 PM	49.0	74.0	39.8
12:00 PM - 01:00 PM	46.5	64.4	36.5
01:00 PM - 02:00 PM	46.3	68.9	36.2
02:00 PM - 03:00 PM	47.1	65.9	37.6
03:00 PM - 04:00 PM	48.4	67.1	38.4
04:00 PM - 05:00 PM	46.5	65.9	38.6
05:00 PM - 06:00 PM	49.1	71.2	41.2
06:00 PM - 07:00 PM	51.0	80.1	41.3
07:00 PM - 08:00 PM	47.9	70.3	42.2
08:00 PM - 09:00 PM	47.4	68.7	41.9
09:00 PM - 10:00 PM	43.6	70.2	39.5
10:00 PM - 10:05 PM	42.3	66.2	39.4
10:05 PM - 10:10 PM	43.6	69.1	39.7
10:10 PM - 10:15 PM	42.8	52.5	39.3
10:15 PM - 10:20 PM	41.2	49.0	38.6
10:20 PM - 10:25 PM	44.6	61.8	38.7
10:25 PM - 10:30 PM	41.3	46.4	39.1
10:30 PM - 10:35 PM	40.7	55.1	38.2
10:35 PM - 10:40 PM	40.3	48.3	38.2
10:40 PM - 10:45 PM	42.7	56.6	38.4
10:45 PM - 10:50 PM	40.8	47.8	38.4
10:50 PM - 10:55 PM	39.3	47.6	37.7
10:55 PM - 11:00 PM	41.3	50.5	38.5
11:00 PM - 11:05 PM	41.0	53.7	38.0
11:05 PM - 11:10 PM	41.1	52.5	37.8
11:10 PM - 11:15 PM	41.8	53.1	38.4
11:15 PM - 11:20 PM	40.4	63.0	37.4
11:20 PM - 11:25 PM	41.7	48.6	39.5
11:25 PM - 11:30 PM	41.5	55.7	38.1
11:30 PM - 11:35 PM	47.0	51.4	41.7
11:35 PM - 11:40 PM	46.6	49.5	41.9
11:40 PM - 11:45 PM	46.2	60.2	44.4
11:45 PM - 11:50 PM	41.2	56.9	38.3
11:50 PM - 11:55 PM	39.7	42.8	37.7
11:55 PM - 12:00 AM	40.2	43.4	38.1
12:00 AM - 12:05 AM	42.1	51.8	38.4
12:05 AM - 12:10 AM	41.2	46.1	38.6
12:10 AM - 12:15 AM	40.3	48.6	38.3
12:15 AM - 12:20 AM	41.8	51.5	40.3

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LIFE SCIENCES

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459292-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599080-9
Parameter Noise
Location กลุ่มบ้าน หมู่ 2 บ้านหนองมะลิ ๑ ซ.1 (ส.แม่ย่า) (N2) (จุดบ้าน) (GPS 47P 0747567, 1427395) (Shut down)
Measurement Date Nov 17 - 18, 2025
Measurement by Apichart Wilars
Sound Level Meter 531300

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:20 AM - 12:25 AM	38.5	47.9	37.7
12:25 AM - 12:30 AM	41.9	47.4	38.6
12:30 AM - 12:35 AM	54.3	74.2	38.1
12:35 AM - 12:40 AM	41.5	47.4	38.1
12:40 AM - 12:45 AM	41.4	46.3	38.5
12:45 AM - 12:50 AM	41.7	45.8	39.9
12:50 AM - 12:55 AM	41.2	46.0	38.8
12:55 AM - 01:00 AM	40.2	44.9	37.5
01:00 AM - 01:05 AM	40.3	43.3	37.9
01:05 AM - 01:10 AM	40.6	49.6	37.3
01:10 AM - 01:15 AM	42.8	56.9	37.5
01:15 AM - 01:20 AM	39.9	50.0	37.3
01:20 AM - 01:25 AM	39.7	47.2	37.0
01:25 AM - 01:30 AM	40.9	47.6	36.8
01:30 AM - 01:35 AM	40.8	45.1	38.3
01:35 AM - 01:40 AM	39.4	51.1	37.1
01:40 AM - 01:45 AM	39.8	42.7	36.7
01:45 AM - 01:50 AM	38.6	43.8	36.8
01:50 AM - 01:55 AM	40.7	45.2	37.8
01:55 AM - 02:00 AM	38.6	45.1	37.6
02:00 AM - 02:05 AM	37.4	74.3	37.8
02:05 AM - 02:10 AM	38.1	41.6	37.2
02:10 AM - 02:15 AM	39.9	46.4	37.4
02:15 AM - 02:20 AM	40.9	58.1	37.0
02:20 AM - 02:25 AM	45.2	56.3	38.1
02:25 AM - 02:30 AM	38.7	49.1	36.9
02:30 AM - 02:35 AM	42.4	57.6	36.5
02:35 AM - 02:40 AM	38.8	47.7	36.7
02:40 AM - 02:45 AM	40.0	44.8	37.3
02:45 AM - 02:50 AM	38.2	42.3	37.0
02:50 AM - 02:55 AM	39.3	48.0	37.1
02:55 AM - 03:00 AM	38.4	42.2	37.1
03:00 AM - 03:05 AM	39.0	41.5	36.9
03:05 AM - 03:10 AM	38.6	50.6	36.8
03:10 AM - 03:15 AM	41.2	55.4	37.5
03:15 AM - 03:20 AM	39.1	52.6	37.1
03:20 AM - 03:25 AM	42.3	54.1	37.5
03:25 AM - 03:30 AM	41.4	54.0	37.2
03:30 AM - 03:35 AM	40.0	53.0	37.7
03:35 AM - 03:40 AM	38.5	45.2	37.7

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459292-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample No. 2599080-9
Parameter Noise
Location กลุ่มบ้าน หมู่ 2 บ้านหนองมะลิ ๑ ซ.1 (ส.แม่ย่า) (N2) (จุดบ้าน) (GPS 47P 0747567, 1427395) (Shut down)
Measurement Date Nov 17 - 18, 2025
Measurement by Apichart Wilars
Sound Level Meter 531300

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	40.2	43.1	38.2
03:45 AM - 03:50 AM	39.5	46.4	38.2
03:50 AM - 03:55 AM	40.3	53.0	38.5
03:55 AM - 04:00 AM	39.2	46.1	38.3
04:00 AM - 04:05 AM	42.9	55.8	39.0
04:05 AM - 04:10 AM	39.3	45.5	38.4
04:10 AM - 04:15 AM	40.3	50.0	38.4
04:15 AM - 04:20 AM	41.2	54.8	38.5
04:20 AM - 04:25 AM	40.5	54.1	38.3
04:25 AM - 04:30 AM	39.8	44.8	38.4
04:30 AM - 04:35 AM	40.5	55.1	38.5
04:35 AM - 04:40 AM	40.6	49.4	38.7
04:40 AM - 04:45 AM	40.6	53.5	39.0
04:45 AM - 04:50 AM	42.6	53.3	39.3
04:50 AM - 04:55 AM	44.3	56.2	39.4
04:55 AM - 05:00 AM	42.5	54.2	39.1
05:00 AM - 05:05 AM	49.4	66.6	40.0
05:05 AM - 05:10 AM	43.9	54.0	39.7
05:10 AM - 05:15 AM	40.7	46.6	39.1
05:15 AM - 05:20 AM	43.8	58.7	39.7
05:20 AM - 05:25 AM	41.5	54.7	38.9
05:25 AM - 05:30 AM	46.4	64.0	39.3
05:30 AM - 05:35 AM	48.6	66.7	39.1
05:35 AM - 05:40 AM	43.6	54.2	39.5
05:40 AM - 05:45 AM	41.8	51.7	39.5
05:45 AM - 05:50 AM	50.3	69.9	41.2
05:50 AM - 05:55 AM	44.3	57.5	40.8
05:55 AM - 06:00 AM	45.8	61.6	40.7
06:00 AM - 07:00 AM	47.9	70.3	40.3
07:00 AM - 08:00 AM	50.0	69.8	40.7
08:00 AM - 09:00 AM	48.0	65.7	41.2
09:00 AM - 10:00 AM	48.6	68.8	42.6

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงในชุมชน การตรวจวัดและคำนวณระดับเสียงของกิจกรรม การคำนวณระดับเสียง การประเมินผลกระทบจากเสียงรบกวน และแนวปฏิบัติในการตรวจวัดเสียงรบกวน พ.ร.บ. 2565

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459292-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599080-10
Parameter Noise
Location กลุ่มบ้าน หมู่ 2 บ้านหนองมะลิ ๑ ซ.1 (ส.แม่ย่า) (N2) (จุดบ้าน) (GPS 47P 0747567, 1427395) (Shut down)
Measurement Date Nov 18 - 19, 2025
Measurement by Apichart Wilars
Sound Level Meter 531300

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	48.8	70.0	40.8
11:00 AM - 12:00 PM	46.8	66.6	40.0
12:00 PM - 01:00 PM	46.0	65.0	38.5
01:00 PM - 02:00 PM	49.2	78.6	40.1
02:00 PM - 03:00 PM	50.9	76.3	38.8
03:00 PM - 04:00 PM	47.1	64.2	39.2
04:00 PM - 05:00 PM	48.6	70.1	39.6
05:00 PM - 06:00 PM	47.8	69.7	39.5
06:00 PM - 07:00 PM	48.4	70.0	42.6
07:00 PM - 08:00 PM	45.2	68.5	40.1
08:00 PM - 09:00 PM	48.4	80.4	38.6
09:00 PM - 10:00 PM	46.0	67.6	37.3
10:00 PM - 10:05 PM	40.0	54.5	36.8
10:05 PM - 10:10 PM	38.0	45.5	37.0
10:10 PM - 10:15 PM	41.8	54.8	37.4
10:15 PM - 10:20 PM	42.2	65.0	37.7
10:20 PM - 10:25 PM	40.3	53.1	37.8
10:25 PM - 10:30 PM	39.2	45.3	37.9
10:30 PM - 10:35 PM	39.4	48.7	37.8
10:35 PM - 10:40 PM	53.2	71.9	37.9
10:40 PM - 10:45 PM	41.6	55.3	37.5
10:45 PM - 10:50 PM	48.7	69.0	37.6
10:50 PM - 10:55 PM	55.3	72.0	37.3
10:55 PM - 11:00 PM	45.5	63.8	38.0
11:00 PM - 11:05 PM	40.5	57.1	37.9
11:05 PM - 11:10 PM	40.1	53.3	37.5
11:10 PM - 11:15 PM	39.1	52.3	37.6
11:15 PM - 11:20 PM	40.2	54.0	37.6
11:20 PM - 11:25 PM	43.6	63.1	38.1
11:25 PM - 11:30 PM	43.2	54.4	38.1
11:30 PM - 11:35 PM	42.5	51.5	38.6
11:35 PM - 11:40 PM	39.6	45.7	37.8
11:40 PM - 11:45 PM	41.5	54.7	39.1
11:45 PM - 11:50 PM	44.4	52.8	42.2
11:50 PM - 11:55 PM	45.6	60.4	41.5
11:55 PM - 12:00 AM	44.0	53.0	41.5
12:00 AM - 12:05 AM	44.9	62.7	41.0
12:05 AM - 12:10 AM	41.9	47.7	40.9
12:10 AM - 12:15 AM	44.3	56.0	41.1
12:15 AM - 12:20 AM	41.8	44.5	39.3

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459293-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599080-10
Parameter Noise
Location คลังสินค้า หมู่ 2 บ้านหนองละลอก จ.ฉะ. 1 (ตามทาง) (N2) (จุดค่าเสียง) (GPS 47P 0747567, 1427395) (Shut down)
Measurement Date Nov 18 - 19, 2025
Measurement by Apichart Wilars
Sound Level Meter 531300

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	44.0	50.7	38.7
12:35 AM - 12:40 AM	41.5	53.6	38.1
12:40 AM - 12:45 AM	40.7	46.4	41.4
12:45 AM - 12:50 AM	40.9	50.7	37.3
12:50 AM - 12:55 AM	42.8	55.8	40.5
12:55 AM - 01:00 AM	41.5	48.8	37.4
01:00 AM - 01:05 AM	41.4	48.1	38.5
01:05 AM - 01:10 AM	40.7	51.8	37.7
01:10 AM - 01:15 AM	46.9	68.4	38.0
01:15 AM - 01:20 AM	50.0	69.8	38.0
01:20 AM - 01:25 AM	42.6	48.6	40.5
01:25 AM - 01:30 AM	38.3	42.9	36.4
01:30 AM - 01:35 AM	40.8	43.8	37.8
01:35 AM - 01:40 AM	40.2	46.7	36.9
01:40 AM - 01:45 AM	41.2	53.7	38.1
01:45 AM - 01:50 AM	37.9	47.8	36.0
01:50 AM - 01:55 AM	54.7	63.4	41.8
01:55 AM - 02:00 AM	59.2	67.1	55.7
02:00 AM - 02:05 AM	59.9	67.3	57.8
02:05 AM - 02:10 AM	62.3	66.1	60.6
02:10 AM - 02:15 AM	53.8	67.6	60.4
02:15 AM - 02:20 AM	65.4	69.4	64.2
02:20 AM - 02:25 AM	64.6	69.1	63.1
02:25 AM - 02:30 AM	60.8	68.0	59.3
02:30 AM - 02:35 AM	54.1	66.6	52.4
02:35 AM - 02:40 AM	54.3	74.4	51.0
02:40 AM - 02:45 AM	52.3	62.3	49.1
02:45 AM - 02:50 AM	49.3	70.0	45.6
02:50 AM - 02:55 AM	51.1	60.6	46.3
02:55 AM - 03:00 AM	47.4	58.0	42.6
03:00 AM - 03:05 AM	42.5	55.1	38.7
03:05 AM - 03:10 AM	44.0	56.6	38.9
03:10 AM - 03:15 AM	41.7	54.2	38.1
03:15 AM - 03:20 AM	41.9	51.8	37.7
03:20 AM - 03:25 AM	37.2	52.6	36.3
03:25 AM - 03:30 AM	40.7	49.4	36.8
03:30 AM - 03:35 AM	41.3	70.1	37.0
03:35 AM - 03:40 AM	44.6	71.4	37.4
03:40 AM - 03:45 AM	39.7	51.5	37.4
03:45 AM - 03:50 AM	40.9	53.2	37.7

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459293-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample No. 2599080-10
Parameter Noise
Location คลังสินค้า หมู่ 2 บ้านหนองละลอก จ.ฉะ. 1 (ตามทาง) (N2) (จุดค่าเสียง) (GPS 47P 0747567, 1427395) (Shut down)
Measurement Date Nov 18 - 19, 2025
Measurement by Apichart Wilars
Sound Level Meter 531300

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	40.1	53.0	38.3
03:45 AM - 03:50 AM	40.7	51.1	38.3
03:50 AM - 03:55 AM	41.4	51.9	38.4
03:55 AM - 04:00 AM	42.8	55.7	38.5
04:00 AM - 04:05 AM	43.5	58.9	38.8
04:05 AM - 04:10 AM	41.9	56.3	38.5
04:10 AM - 04:15 AM	43.5	57.0	38.4
04:15 AM - 04:20 AM	41.5	51.8	38.5
04:20 AM - 04:25 AM	42.0	53.1	38.9
04:25 AM - 04:30 AM	45.7	61.3	39.1
04:30 AM - 04:35 AM	40.9	52.0	39.6
04:35 AM - 04:40 AM	44.0	63.6	39.3
04:40 AM - 04:45 AM	42.7	52.3	39.7
04:45 AM - 04:50 AM	41.6	51.0	39.0
04:50 AM - 04:55 AM	42.9	51.6	40.8
04:55 AM - 05:00 AM	42.9	56.5	40.5
05:00 AM - 05:05 AM	42.7	54.6	40.6
05:05 AM - 05:10 AM	43.7	54.5	40.5
05:10 AM - 05:15 AM	43.6	56.5	40.7
05:15 AM - 05:20 AM	43.0	56.2	40.3
05:20 AM - 05:25 AM	42.4	50.4	41.0
05:25 AM - 05:30 AM	41.7	50.9	40.7
05:30 AM - 05:35 AM	43.4	53.8	40.5
05:35 AM - 05:40 AM	44.4	57.7	40.9
05:40 AM - 05:45 AM	46.1	60.6	41.8
05:45 AM - 05:50 AM	46.0	58.2	41.7
05:50 AM - 05:55 AM	43.8	53.8	41.3
05:55 AM - 06:00 AM	45.3	53.0	41.0
06:00 AM - 07:00 AM	47.4	64.3	40.8
07:00 AM - 08:00 AM	51.6	73.6	45.5
08:00 AM - 09:00 AM	49.8	67.6	44.1
09:00 AM - 10:00 AM	49.8	64.8	45.8

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงที่ชุมชน ระดับเสียงตามอาคาร และการวัดและคำนวณระดับเสียงของอาคารตามมาตรฐานการวัดระดับเสียงตามอาคาร และแนวปฏิบัติในการตรวจวัดเสียงตาม พ.ร. 2565

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459294-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599080-11
Parameter Noise
Location กลุ่มบ้าน หมู่ 2 บ้านถนนและบึงน้ำ จดที่ 1 (ส.แม่บ้าน) (N2) (จดสาบ) (GPS 47P 0747567, 1427395) (Shut down)
Measurement Date Nov 19 - 20, 2025
Measurement by Apichart Wilars
Sound Level Meter 531300

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	38.5	47.5	36
03:45 AM - 03:50 AM	38.8	48.9	36.3
03:50 AM - 03:55 AM	42.5	57.9	36.0
03:55 AM - 04:00 AM	40.3	56.4	35.6
04:00 AM - 04:05 AM	41.9	54.4	37.0
04:05 AM - 04:10 AM	37.5	43.4	36.3
04:10 AM - 04:15 AM	39.3	54.7	36.1
04:15 AM - 04:20 AM	39.7	53.5	36.4
04:20 AM - 04:25 AM	42.9	56.5	36.7
04:25 AM - 04:30 AM	42.0	53.6	37.3
04:30 AM - 04:35 AM	42.5	54.7	36.8
04:35 AM - 04:40 AM	41.0	54.6	36.4
04:40 AM - 04:45 AM	43.3	55.8	36.9
04:45 AM - 04:50 AM	42.7	54.2	36.7
04:50 AM - 04:55 AM	48.0	59.6	39.5
04:55 AM - 05:00 AM	46.8	57.7	39.1
05:00 AM - 05:05 AM	41.1	50.5	37.2
05:05 AM - 05:10 AM	42.5	53.6	37.7
05:10 AM - 05:15 AM	41.5	54.4	37.1
05:15 AM - 05:20 AM	41.1	53.2	36.3
05:20 AM - 05:25 AM	40.3	53.0	37.1
05:25 AM - 05:30 AM	39.6	50.9	36.6
05:30 AM - 05:35 AM	42.0	56.5	36.9
05:35 AM - 05:40 AM	43.0	57.0	37.1
05:40 AM - 05:45 AM	44.4	55.8	36.8
05:45 AM - 05:50 AM	47.7	68.8	38.0
05:50 AM - 05:55 AM	44.6	55.3	38.2
05:55 AM - 06:00 AM	46.2	57.9	41.0
06:00 AM - 07:00 AM	48.8	71.1	41.1
07:00 AM - 08:00 AM	51.5	79.5	45.3
08:00 AM - 09:00 AM	52.6	74.8	47.6
09:00 AM - 10:00 AM	48.8	72.9	42.7

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการกฤษฎีกาว่าด้วยหลักเกณฑ์และวิธีการมาตรฐานการตรวจวัดและรายงานระดับเสียงของกิจกรรมการก่อกวนทางเสียงจากการขนถ่ายสินค้าและการจราจรทางบก พ.ศ. 2565

Approved by

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459295-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599080-12
Parameter Noise
Location กลุ่มบ้าน หมู่ 2 บ้านถนนและบึงน้ำ จดที่ 1 (ส.แม่บ้าน) (N2) (จดสาบ) (GPS 47P 0747567, 1427395) (Shut down)
Measurement Date Nov 20 - 21, 2025
Measurement by Apichart Wilars
Sound Level Meter 531300

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	50.6	74.1	45.9
11:00 AM - 12:00 PM	48.9	76.2	43.6
12:00 PM - 01:00 PM	48.4	65.7	43.0
01:00 PM - 02:00 PM	48.0	67.7	41.8
02:00 PM - 03:00 PM	53.3	80.1	42.7
03:00 PM - 04:00 PM	48.4	69.1	42.4
04:00 PM - 05:00 PM	48.3	73.7	39.6
05:00 PM - 06:00 PM	48.9	68.8	42.3
06:00 PM - 07:00 PM	61.5	87.4	39.6
07:00 PM - 08:00 PM	46.2	67.1	39.2
08:00 PM - 09:00 PM	44.8	71.9	38.7
09:00 PM - 10:00 PM	42.8	65.1	36.2
10:00 PM - 10:05 PM	42.7	59.2	38.1
10:05 PM - 10:10 PM	41.7	59.7	39.2
10:10 PM - 10:15 PM	42.6	55.8	38.4
10:15 PM - 10:20 PM	44.6	69.4	37.3
10:20 PM - 10:25 PM	40.6	55.8	36.2
10:25 PM - 10:30 PM	41.2	57.6	37.4
10:30 PM - 10:35 PM	38.2	53.5	36.4
10:35 PM - 10:40 PM	48.6	74.0	35.2
10:40 PM - 10:45 PM	46.4	55.7	35.4
10:45 PM - 10:50 PM	37.5	52.4	35.9
10:50 PM - 10:55 PM	38.4	53.7	35.6
10:55 PM - 11:00 PM	36.8	46.5	35.0
11:00 PM - 11:05 PM	45.0	65.1	34.7
11:05 PM - 11:10 PM	36.9	49.0	34.3
11:10 PM - 11:15 PM	39.2	53.2	34.1
11:15 PM - 11:20 PM	37.5	63.1	32.9
11:20 PM - 11:25 PM	40.2	50.3	32.9
11:25 PM - 11:30 PM	46.3	53.6	43.1
11:30 PM - 11:35 PM	58.1	78.0	46.0
11:35 PM - 11:40 PM	51.3	76.5	44.3
11:40 PM - 11:45 PM	43.5	69.1	34.8
11:45 PM - 11:50 PM	43.8	51.8	34.9
11:50 PM - 11:55 PM	36.2	50.7	33.3
11:55 PM - 12:00 AM	39.6	51.1	33.0
12:00 AM - 12:05 AM	40.0	54.6	33.8
12:05 AM - 12:10 AM	34.4	38.3	33.6
12:10 AM - 12:15 AM	63.7	76.2	33.7
12:15 AM - 12:20 AM	45.5	72.7	33.1

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459295-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599080-12
Parameter Noise
Location กลุ่มบ้าน หมู่ 2 บ้านถนนและบึงน้ำ จดที่ 1 (ส.แม่บ้าน) (N2) (จดสาบ) (GPS 47P 0747567, 1427395) (Shut down)
Measurement Date Nov 20 - 21, 2025
Measurement by Apichart Wilars
Sound Level Meter 531300

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:20 AM - 12:25 AM	34.6	48.7	33.1
12:25 AM - 12:30 AM	41.0	53.1	33.3
12:30 AM - 12:35 AM	33.9	43.1	33.2
12:35 AM - 12:40 AM	35.0	44.2	33.0
12:40 AM - 12:45 AM	40.2	44.8	32.9
12:45 AM - 12:50 AM	35.2	44.3	33.0
12:50 AM - 12:55 AM	37.6	51.1	33.5
12:55 AM - 01:00 AM	40.8	48.2	33.7
01:00 AM - 01:05 AM	35.2	42.0	33.9
01:05 AM - 01:10 AM	34.6	39.0	33.7
01:10 AM - 01:15 AM	43.0	54.5	34.7
01:15 AM - 01:20 AM	37.1	53.1	34.1
01:20 AM - 01:25 AM	35.3	39.2	34.4
01:25 AM - 01:30 AM	42.2	60.4	34.4
01:30 AM - 01:35 AM	42.9	62.8	34.0
01:35 AM - 01:40 AM	35.2	44.0	33.5
01:40 AM - 01:45 AM	34.1	36.2	33.3
01:45 AM - 01:50 AM	46.3	48.1	33.8
01:50 AM - 01:55 AM	36.0	45.8	33.8
01:55 AM - 02:00 AM	41.0	59.3	33.3
02:00 AM - 02:05 AM	43.4	57.9	34.2
02:05 AM - 02:10 AM	35.7	48.9	33.6
02:10 AM - 02:15 AM	41.6	56.2	33.4
02:15 AM - 02:20 AM	36.3	51.4	33.2
02:20 AM - 02:25 AM	44.2	59.0	36.5
02:25 AM - 02:30 AM	43.1	56.9	38.8
02:30 AM - 02:35 AM	42.5	47.8	39.2
02:35 AM - 02:40 AM	45.1	55.9	40.2
02:40 AM - 02:45 AM	46.9	52.9	42.3
02:45 AM - 02:50 AM	46.6	52.8	44.5
02:50 AM - 02:55 AM	50.6	60.4	45.2
02:55 AM - 03:00 AM	44.4	41.6	41.6
03:00 AM - 03:05 AM	42.1	49.1	38.4
03:05 AM - 03:10 AM	46.7	56.1	36.7
03:10 AM - 03:15 AM	44.1	50.5	40.8
03:15 AM - 03:20 AM	43.4	51.9	38.7
03:20 AM - 03:25 AM	41.8	48.5	37.9
03:25 AM - 03:30 AM	42.4	57.2	37.4
03:30 AM - 03:35 AM	39.9	61.6	36.5
03:35 AM - 03:40 AM	55.6	71.8	38.2

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459295-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample No. 2599080-12
Parameter Noise
Location กลุ่มบ้าน หมู่ 2 บ้านถนนและบึงน้ำ จดที่ 1 (ส.แม่บ้าน) (N2) (จดสาบ) (GPS 47P 0747567, 1427395) (Shut down)
Measurement Date Nov 20 - 21, 2025
Measurement by Apichart Wilars
Sound Level Meter 531300

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	40.7	64.0	39.8
03:45 AM - 03:50 AM	51.9	65.9	38.1
03:50 AM - 03:55 AM	50.0	67.1	36.8
03:55 AM - 04:00 AM	38.2	47.8	36.5
04:00 AM - 04:05 AM	37.9	46.8	35.9
04:05 AM - 04:10 AM	40.9	52.9	36.1
04:10 AM - 04:15 AM	39.5	52.4	36.0
04:15 AM - 04:20 AM	41.3	46.5	35.7
04:20 AM - 04:25 AM	40.2	47.3	37.1
04:25 AM - 04:30 AM	40.9	51.7	39.2
04:30 AM - 04:35 AM	39.0	53.3	37.7
04:35 AM - 04:40 AM	41.0	52.1	37.0
04:40 AM - 04:45 AM	46.2	60.3	38.2
04:45 AM - 04:50 AM	44.9	54.9	37.8
04:50 AM - 04:55 AM	46.6	55.4	40.5
04:55 AM - 05:00 AM	43.8	55.6	40.2
05:00 AM - 05:05 AM	45.0	56.9	41.1
05:05 AM - 05:10 AM	42.9	53.1	39.0
05:10 AM - 05:15 AM	44.0	56.7	39.5
05:15 AM - 05:20 AM	43.6	55.3	38.2
05:20 AM - 05:25 AM	41.3	52.7	38.2
05:25 AM - 05:30 AM	42.5	56.8	38.1
05:30 AM - 05:35 AM	42.9	52.8	39.1
05:35 AM - 05:40 AM	44.9	57.9	39.6
05:40 AM - 05:45 AM	45.4	60.7	38.9
05:45 AM - 05:50 AM	44.0	56.8	38.9
05:50 AM - 05:55 AM	43.0	60.3	38.2
05:55 AM - 06:00 AM	51.9	69.7	41.5
06:00 AM - 07:00 AM	51.5	79.0	41.4
07:00 AM - 08:00 AM	51.5	73.4	44.1
08:00 AM - 09:00 AM	49.4	67.2	44.1
09:00 AM - 10:00 AM	51.5	79.6	42.6

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการกฤษฎีกาว่าด้วยหลักเกณฑ์และวิธีการมาตรฐานการตรวจวัดและรายงานระดับเสียงของกิจกรรมการก่อกวนทางเสียงจากการขนถ่ายสินค้าและการจราจรทางบก พ.ศ. 2565

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459296-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599080-13
Parameter Noise
Location กลุ่มบ้าน หมู่ 2 บ้านหนองมะลิสา จ.ต.1 (ส.แม่ท่าเรือ) (N2) (จุดลำน้ำ) (GPS 47P 0747567, 1427395) (Shut down)
Measurement Date Nov 21 - 22, 2025
Measurement by Apichart Wilars
Sound Level Meter 531300

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	48.5	68.3	42.4
11:00 AM - 12:00 PM	49.2	71.3	42.9
12:00 PM - 01:00 PM	63.6	83.8	41.4
01:00 PM - 02:00 PM	55.2	82.3	40.2
02:00 PM - 03:00 PM	50.0	80.1	40.6
03:00 PM - 04:00 PM	47.1	63.6	40.6
04:00 PM - 05:00 PM	49.6	72.2	42.8
05:00 PM - 06:00 PM	50.1	70.4	42.6
06:00 PM - 07:00 PM	48.2	79.8	38.9
07:00 PM - 08:00 PM	45.9	70.7	39.2
08:00 PM - 09:00 PM	46.4	69.0	41.8
09:00 PM - 10:00 PM	43.8	71.5	36.2
10:00 PM - 10:05 PM	43.0	55.2	35.8
10:05 PM - 10:10 PM	37.6	52.6	35.0
10:10 PM - 10:15 PM	38.1	45.1	34.7
10:15 PM - 10:20 PM	41.3	54.7	34.8
10:20 PM - 10:25 PM	41.8	61.8	34.9
10:25 PM - 10:30 PM	49.8	68.9	35.4
10:30 PM - 10:35 PM	35.7	44.2	34.5
10:35 PM - 10:40 PM	42.0	59.3	34.6
10:40 PM - 10:45 PM	43.8	63.5	34.8
10:45 PM - 10:50 PM	46.4	67.5	35.6
10:50 PM - 10:55 PM	40.9	61.8	34.9
10:55 PM - 11:00 PM	37.5	60.8	34.5
11:00 PM - 11:05 PM	43.7	63.6	34.6
11:05 PM - 11:10 PM	49.6	60.0	34.6
11:10 PM - 11:15 PM	52.9	64.6	40.3
11:15 PM - 11:20 PM	50.4	63.0	35.6
11:20 PM - 11:25 PM	46.0	58.8	35.0
11:25 PM - 11:30 PM	39.9	60.3	34.3
11:30 PM - 11:35 PM	44.2	58.0	34.4
11:35 PM - 11:40 PM	48.8	62.1	35.1
11:40 PM - 11:45 PM	49.1	65.7	34.4
11:45 PM - 11:50 PM	58.6	69.0	35.3
11:50 PM - 11:55 PM	61.1	64.4	34.4
11:55 PM - 12:00 AM	42.2	54.8	34.7
12:00 AM - 12:05 AM	44.0	61.8	34.9
12:05 AM - 12:10 AM	35.9	49.2	33.7
12:10 AM - 12:15 AM	39.7	46.0	34.3
12:15 AM - 12:20 AM	40.9	53.5	34.5

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459296-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599080-13
Parameter Noise
Location กลุ่มบ้าน หมู่ 2 บ้านหนองมะลิสา จ.ต.1 (ส.แม่ท่าเรือ) (N2) (จุดลำน้ำ) (GPS 47P 0747567, 1427395) (Shut down)
Measurement Date Nov 21 - 22, 2025
Measurement by Apichart Wilars
Sound Level Meter 531300

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:20 AM - 12:25 AM	37.6	52.6	34.5
12:25 AM - 12:30 AM	38.8	57.3	34.9
12:30 AM - 12:35 AM	40.1	44.5	35.2
12:35 AM - 12:40 AM	37.4	41.5	34.4
12:40 AM - 12:45 AM	36.3	49.3	34.5
12:45 AM - 12:50 AM	35.6	50.9	34.5
12:50 AM - 12:55 AM	41.7	55.5	35.2
12:55 AM - 01:00 AM	37.6	44.2	35.1
01:00 AM - 01:05 AM	39.3	53.0	35.2
01:05 AM - 01:10 AM	39.1	55.0	35.4
01:10 AM - 01:15 AM	36.9	39.9	35.7
01:15 AM - 01:20 AM	41.3	45.4	35.8
01:20 AM - 01:25 AM	38.3	53.4	35.2
01:25 AM - 01:30 AM	39.2	57.9	34.0
01:30 AM - 01:35 AM	47.9	68.6	34.3
01:35 AM - 01:40 AM	36.1	52.7	33.6
01:40 AM - 01:45 AM	40.2	44.5	33.6
01:45 AM - 01:50 AM	35.7	48.0	33.4
01:50 AM - 01:55 AM	37.1	51.1	33.6
01:55 AM - 02:00 AM	34.5	40.1	33.5
02:00 AM - 02:05 AM	34.6	37.1	33.7
02:05 AM - 02:10 AM	38.7	53.5	34.1
02:10 AM - 02:15 AM	40.0	43.8	35.0
02:15 AM - 02:20 AM	40.4	58.6	35.2
02:20 AM - 02:25 AM	36.2	40.1	35.0
02:25 AM - 02:30 AM	35.7	44.4	34.8
02:30 AM - 02:35 AM	36.0	38.9	35.2
02:35 AM - 02:40 AM	40.7	44.4	35.5
02:40 AM - 02:45 AM	36.4	39.6	35.4
02:45 AM - 02:50 AM	37.9	50.1	36.1
02:50 AM - 02:55 AM	37.6	46.8	36.4
02:55 AM - 03:00 AM	38.1	49.0	36.1
03:00 AM - 03:05 AM	41.4	44.6	36.8
03:05 AM - 03:10 AM	60.9	77.1	37.1
03:10 AM - 03:15 AM	63.2	79.2	37.6
03:15 AM - 03:20 AM	54.4	80.6	37.0
03:20 AM - 03:25 AM	39.2	52.6	37.0
03:25 AM - 03:30 AM	62.7	77.3	38.0
03:30 AM - 03:35 AM	66.5	85.2	38.1
03:35 AM - 03:40 AM	57.0	76.1	38.1

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

LIFE SCIENCES

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459296-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample No. 2599080-13
Parameter Noise
Location กลุ่มบ้าน หมู่ 2 บ้านหนองมะลิสา จ.ต.1 (ส.แม่ท่าเรือ) (N2) (จุดลำน้ำ) (GPS 47P 0747567, 1427395) (Shut down)
Measurement Date Nov 21 - 22, 2025
Measurement by Apichart Wilars
Sound Level Meter 531300

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	52.6	74.5	38.0
03:45 AM - 03:50 AM	38.3	41.1	37.0
03:50 AM - 03:55 AM	38.6	44.5	36.4
03:55 AM - 04:00 AM	38.3	41.2	36.0
04:00 AM - 04:05 AM	38.7	49.7	36.4
04:05 AM - 04:10 AM	41.5	53.3	37.3
04:10 AM - 04:15 AM	49.7	75.4	38.4
04:15 AM - 04:20 AM	49.8	70.1	37.2
04:20 AM - 04:25 AM	40.7	49.0	37.3
04:25 AM - 04:30 AM	39.5	51.9	38.3
04:30 AM - 04:35 AM	58.9	71.6	38.0
04:35 AM - 04:40 AM	61.3	74.0	38.3
04:40 AM - 04:45 AM	41.1	56.4	38.2
04:45 AM - 04:50 AM	40.0	58.5	37.7
04:50 AM - 04:55 AM	41.7	55.6	38.3
04:55 AM - 05:00 AM	42.2	56.1	38.3
05:00 AM - 05:05 AM	41.5	53.6	38.4
05:05 AM - 05:10 AM	42.5	51.9	39.7
05:10 AM - 05:15 AM	42.1	47.7	39.6
05:15 AM - 05:20 AM	42.5	56.6	39.5
05:20 AM - 05:25 AM	42.4	52.6	39.7
05:25 AM - 05:30 AM	41.9	54.2	39.7
05:30 AM - 05:35 AM	42.9	54.7	38.7
05:35 AM - 05:40 AM	42.0	52.2	38.5
05:40 AM - 05:45 AM	42.6	51.8	39.0
05:45 AM - 05:50 AM	45.2	67.9	39.3
05:50 AM - 05:55 AM	43.9	63.9	39.3
05:55 AM - 06:00 AM	43.2	56.9	38.9
06:00 AM - 07:00 AM	54.1	81.8	38.6
07:00 AM - 08:00 AM	49.6	80.8	40.2
08:00 AM - 09:00 AM	48.7	72.1	40.4
09:00 AM - 10:00 AM	49.0	82.5	42.1

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงในชุมชน กรณีเสียงรบกวนจากการจราจรและยานพาหนะเสียงรบกวนจากการขนถ่ายสินค้าการขนถ่าย และกรณีวัดจากการจราจรทางบก น.ร. 2565

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LIFE SCIENCES

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459297-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599080-14
Parameter Noise
Location กลุ่มบ้าน หมู่ 2 บ้านหนองมะลิสา จ.ต.1 (ส.แม่ท่าเรือ) (N2) (จุดลำน้ำ) (GPS 47P 0747567, 1427395) (Shut down)
Measurement Date Nov 22 - 23, 2025
Measurement by Apichart Wilars
Sound Level Meter 531300

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	48.9	76.8	42.1
11:00 AM - 12:00 PM	49.4	81.4	44.0
12:00 PM - 01:00 PM	50.3	71.7	41.8
01:00 PM - 02:00 PM	48.7	74.7	41.2
02:00 PM - 03:00 PM	48.5	73.5	40.2
03:00 PM - 04:00 PM	46.5	67.8	40.0
04:00 PM - 05:00 PM	50.8	76.1	39.9
05:00 PM - 06:00 PM	51.0	75.1	40.8
06:00 PM - 07:00 PM	48.7	74.0	39.7
07:00 PM - 08:00 PM	47.3	71.1	42.0
08:00 PM - 09:00 PM	46.0	68.0	39.7
09:00 PM - 10:00 PM	46.4	72.2	37.6
10:00 PM - 10:05 PM	51.4	67.4	45.9
10:05 PM - 10:10 PM	48.7	66.5	44.4
10:10 PM - 10:15 PM	46.0	61.9	36.1
10:15 PM - 10:20 PM	40.9	57.0	35.2
10:20 PM - 10:25 PM	37.5	53.4	34.1
10:25 PM - 10:30 PM	36.5	47.7	34.3
10:30 PM - 10:35 PM	39.7	55.0	35.0
10:35 PM - 10:40 PM	43.1	59.2	35.8
10:40 PM - 10:45 PM	52.1	72.9	36.2
10:45 PM - 10:50 PM	46.4	71.1	35.8
10:50 PM - 10:55 PM	45.1	65.4	35.4
10:55 PM - 11:00 PM	39.4	55.9	35.2
11:00 PM - 11:05 PM	40.4	63.1	36.1
11:05 PM - 11:10 PM	41.0	56.8	36.7
11:10 PM - 11:15 PM	38.8	53.3	36.4
11:15 PM - 11:20 PM	45.2	64.3	36.4
11:20 PM - 11:25 PM	37.6	50.6	35.1
11:25 PM - 11:30 PM	36.3	43.0	34.9
11:30 PM - 11:35 PM	41.5	58.9	35.2
11:35 PM - 11:40 PM	40.8	55.4	35.3
11:40 PM - 11:45 PM	42.5	58.7	35.6
11:45 PM - 11:50 PM	36.8	48.5	35.5
11:50 PM - 11:55 PM	42.2	60.9	35.2
11:55 PM - 12:00 AM	41.3	57.2	35.3
12:00 AM - 12:05 AM	41.9	58.1	35.0
12:05 AM - 12:10 AM	35.3	45.0	34.1
12:10 AM - 12:15 AM	40.2	52.6	34.2
12:15 AM - 12:20 AM	45.7	61.8	34.7

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phusadangk, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459297-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599080-14
Parameter Noise
Location กลุ่มบ้าน หมู่ 2 บ้านหนองปลาไหล จุดที่ 1 (ส.แม่ท่าเรือ) (N2) (จุดอาคาร) (GPS 47P 0747567, 1427395) (Shut down)
Measurement Date Nov 22 - 23, 2025
Measurement by Apichart Wilars
Sound Level Meter 531300

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	41.1	50.6	34.9
12:35 AM - 12:40 AM	41.8	57.2	33.9
12:40 AM - 12:45 AM	38.3	54.0	34.5
12:45 AM - 12:50 AM	35.7	41.6	34.8
12:50 AM - 12:55 AM	39.4	56.7	35.7
12:55 AM - 01:00 AM	48.1	59.7	39.6
01:00 AM - 01:05 AM	46.7	55.2	45.3
01:05 AM - 01:10 AM	46.6	58.9	44.1
01:10 AM - 01:15 AM	40.2	55.1	35.6
01:15 AM - 01:20 AM	35.5	39.4	34.4
01:20 AM - 01:25 AM	35.2	41.6	34.4
01:25 AM - 01:30 AM	39.2	55.7	34.8
01:30 AM - 01:35 AM	45.1	56.8	37.0
01:35 AM - 01:40 AM	36.4	40.5	34.6
01:40 AM - 01:45 AM	35.5	42.6	34.1
01:45 AM - 01:50 AM	36.4	50.8	34.3
01:50 AM - 01:55 AM	36.4	43.8	34.9
01:55 AM - 02:00 AM	37.8	51.4	34.7
02:00 AM - 02:05 AM	35.3	38.2	34.6
02:05 AM - 02:10 AM	43.7	60.3	34.5
02:10 AM - 02:15 AM	37.9	48.5	35.4
02:15 AM - 02:20 AM	36.4	45.3	35.1
02:20 AM - 02:25 AM	36.4	44.6	35.0
02:25 AM - 02:30 AM	40.9	58.3	34.9
02:30 AM - 02:35 AM	36.0	46.2	34.1
02:35 AM - 02:40 AM	35.2	49.3	33.0
02:40 AM - 02:45 AM	37.7	53.6	33.3
02:45 AM - 02:50 AM	33.9	38.6	32.4
02:50 AM - 02:55 AM	34.0	44.8	32.4
02:55 AM - 03:00 AM	36.8	53.9	33.0
03:00 AM - 03:05 AM	34.0	45.3	32.7
03:05 AM - 03:10 AM	36.9	53.1	33.3
03:10 AM - 03:15 AM	34.8	45.2	33.1
03:15 AM - 03:20 AM	36.1	47.6	33.6
03:20 AM - 03:25 AM	38.2	54.0	34.3
03:25 AM - 03:30 AM	39.8	56.9	34.4
03:30 AM - 03:35 AM	40.5	53.5	34.6
03:35 AM - 03:40 AM	39.3	60.5	34.7
03:40 AM - 03:45 AM	40.7	54.4	35.1
03:45 AM - 03:50 AM	40.2	59.4	34.8

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Life Sciences

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phusadangk, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459297-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample No. 2599080-14
Parameter Noise
Location กลุ่มบ้าน หมู่ 2 บ้านหนองปลาไหล จุดที่ 1 (ส.แม่ท่าเรือ) (N2) (จุดอาคาร) (GPS 47P 0747567, 1427395) (Shut down)
Measurement Date Nov 22 - 23, 2025
Measurement by Apichart Wilars
Sound Level Meter 531300

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	38.8	55.9	34.1
03:45 AM - 03:50 AM	34.7	37.7	33.8
03:50 AM - 03:55 AM	36.9	48.8	34.3
03:55 AM - 04:00 AM	38.7	55.9	34.5
04:00 AM - 04:05 AM	37.8	46.0	35.4
04:05 AM - 04:10 AM	37.8	48.5	35.6
04:10 AM - 04:15 AM	36.6	40.5	35.9
04:15 AM - 04:20 AM	38.5	54.8	35.6
04:20 AM - 04:25 AM	37.9	49.9	36.1
04:25 AM - 04:30 AM	40.6	56.2	36.8
04:30 AM - 04:35 AM	41.6	60.2	36.5
04:35 AM - 04:40 AM	38.8	53.8	36.2
04:40 AM - 04:45 AM	38.0	52.4	36.4
04:45 AM - 04:50 AM	41.1	56.7	36.7
04:50 AM - 04:55 AM	40.5	53.6	36.5
04:55 AM - 05:00 AM	42.8	55.4	37.2
05:00 AM - 05:05 AM	42.4	55.0	36.4
05:05 AM - 05:10 AM	41.4	56.4	36.7
05:10 AM - 05:15 AM	42.4	60.9	36.6
05:15 AM - 05:20 AM	40.3	49.9	37.2
05:20 AM - 05:25 AM	41.6	58.8	37.2
05:25 AM - 05:30 AM	46.5	65.1	37.3
05:30 AM - 05:35 AM	42.5	53.7	37.5
05:35 AM - 05:40 AM	42.7	57.3	37.9
05:40 AM - 05:45 AM	47.6	72.4	38.5
05:45 AM - 05:50 AM	41.4	54.3	38.1
05:50 AM - 05:55 AM	40.1	51.0	37.8
05:55 AM - 06:00 AM	44.6	59.7	38.7
06:00 AM - 07:00 AM	47.7	72.2	38.3
07:00 AM - 08:00 AM	49.0	72.9	41.8
08:00 AM - 09:00 AM	48.2	68.3	41.4
09:00 AM - 10:00 AM	49.4	73.7	41.2

Reference Method :

- ISO 1996-1
2. ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงในชุมชน การตรวจวัดและคำนวณค่าระดับเสียงและการคำนวณค่าการคาดการณ์การรบกวนทางเสียงจากการจราจรทางบก และฉบับที่ 3 การตรวจวัดระดับเสียงในชุมชน พ.ศ. 2565

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Life Sciences

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phusadangk, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459298-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599080-15
Parameter Noise
Location กลุ่มบ้าน หมู่ 2 บ้านหนองปลาไหล จุดที่ 2 (ส.แม่ท่าเรือ) (N3) (จุดอาคาร) (GPS 47P 0745706, 1429438) (Shut down)
Measurement Date Nov 16 - 17, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120938

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	53.0	77.9	42.9
11:00 AM - 12:00 PM	53.6	76.4	43.7
12:00 PM - 01:00 PM	56.3	78.3	49.5
01:00 PM - 02:00 PM	53.8	75.2	46.9
02:00 PM - 03:00 PM	54.5	81.7	47.0
03:00 PM - 04:00 PM	56.2	83.0	45.5
04:00 PM - 05:00 PM	56.8	88.0	42.8
05:00 PM - 06:00 PM	54.2	78.9	43.6
06:00 PM - 07:00 PM	54.5	78.6	44.5
07:00 PM - 08:00 PM	49.1	72.6	44.4
08:00 PM - 09:00 PM	45.2	70.2	42.6
09:00 PM - 10:00 PM	43.8	68.7	37.9
10:00 PM - 10:05 PM	44.8	56.2	36.5
10:05 PM - 10:10 PM	40.0	51.3	36.6
10:10 PM - 10:15 PM	38.6	51.0	35.6
10:15 PM - 10:20 PM	39.5	52.7	35.7
10:20 PM - 10:25 PM	42.8	56.1	35.5
10:25 PM - 10:30 PM	62.8	83.9	50.8
10:30 PM - 10:35 PM	41.3	60.3	35.2
10:35 PM - 10:40 PM	42.6	56.5	34.1
10:40 PM - 10:45 PM	47.7	66.5	34.8
10:45 PM - 10:50 PM	38.4	53.1	35.0
10:50 PM - 10:55 PM	42.7	54.9	34.9
10:55 PM - 11:00 PM	40.2	64.6	34.4
11:00 PM - 11:05 PM	40.7	56.0	34.2
11:05 PM - 11:10 PM	45.6	58.3	34.9
11:10 PM - 11:15 PM	40.2	53.1	33.6
11:15 PM - 11:20 PM	38.6	52.2	33.7
11:20 PM - 11:25 PM	43.3	63.8	33.8
11:25 PM - 11:30 PM	42.6	61.9	33.6
11:30 PM - 11:35 PM	48.5	59.8	35.5
11:35 PM - 11:40 PM	45.5	58.9	35.5
11:40 PM - 11:45 PM	39.7	64.5	34.7
11:45 PM - 11:50 PM	40.3	49.9	33.6
11:50 PM - 11:55 PM	44.2	59.0	35.5
11:55 PM - 12:00 AM	45.7	58.7	36.2
12:00 AM - 12:05 AM	41.4	51.2	35.5
12:05 AM - 12:10 AM	62.0	81.8	35.5
12:10 AM - 12:15 AM	48.8	58.3	37.0
12:15 AM - 12:20 AM	48.6	61.5	35.4

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phusadangk, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459298-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599080-15
Parameter Noise
Location กลุ่มบ้าน หมู่ 2 บ้านหนองปลาไหล จุดที่ 2 (ส.แม่ท่าเรือ) (N3) (จุดอาคาร) (GPS 47P 0745706, 1429438) (Shut down)
Measurement Date Nov 16 - 17, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120938

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:20 AM - 12:25 AM	48.8	60.0	36.4
12:25 AM - 12:30 AM	48.4	59.9	40.4
12:30 AM - 12:35 AM	48.4	59.7	40.2
12:35 AM - 12:40 AM	50.0	60.8	40.1
12:40 AM - 12:45 AM	49.6	61.6	42.1
12:45 AM - 12:50 AM	52.4	62.1	40.8
12:50 AM - 12:55 AM	56.0	62.6	45.0
12:55 AM - 01:00 AM	57.3	63.2	48.9
01:00 AM - 01:05 AM	56.7	62.7	42.8
01:05 AM - 01:10 AM	57.8	61.9	52.2
01:10 AM - 01:15 AM	56.5	61.6	51.9
01:15 AM - 01:20 AM	55.6	60.7	50.9
01:20 AM - 01:25 AM	47.2	59.5	37.8
01:25 AM - 01:30 AM	45.2	57.6	38.5
01:30 AM - 01:35 AM	52.6	65.4	37.1
01:35 AM - 01:40 AM	52.6	62.8	38.1
01:40 AM - 01:45 AM	55.6	62.2	40.6
01:45 AM - 01:50 AM	51.3	61.7	38.4
01:50 AM - 01:55 AM	49.0	61.1	37.4
01:55 AM - 02:00 AM	51.5	62.6	36.8
02:00 AM - 02:05 AM	48.2	59.2	39.2
02:05 AM - 02:10 AM	46.1	60.1	39.2
02:10 AM - 02:15 AM	47.1	60.4	39.0
02:15 AM - 02:20 AM	49.1	60.9	39.1
02:20 AM - 02:25 AM	50.3	60.0	40.1
02:25 AM - 02:30 AM	49.5	60.1	40.0
02:30 AM - 02:35 AM	48.1	60.0	39.7
02:35 AM - 02:40 AM	42.6	53.9	40.0
02:40 AM - 02:45 AM	46.2	59.9	39.9
02:45 AM - 02:50 AM	41.7	52.0	39.7
02:50 AM - 02:55 AM	40.2	43.9	38.5
02:55 AM - 03:00 AM	41.8	39.3	39.3
03:00 AM - 03:05 AM	41.3	46.9	39.5
03:05 AM - 03:10 AM	47.2	60.8	39.6
03:10 AM - 03:15 AM	43.0	63.1	38.3
03:15 AM - 03:20 AM	47.5	64.7	37.7
03:20 AM - 03:25 AM	56.3	71.8	38.3
03:25 AM - 03:30 AM	53.8	73.5	37.5
03:30 AM - 03:35 AM	46.6	52.2	37.4
03:35 AM - 03:40 AM	44.4	59.6	36.9

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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Wibab.

Wilawan Borik
Manager

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Life Sciences

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599080
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report No. : 3459298-1

Page 3 of 3

Sample No. 2599080-15
Parameter Noise
Location กลุ่มบ้าน หมู่ 2 บ้านหนองปลาไหล จ.ฉะ (ส.แม่บ้าน) (N3) (จุดบ้าน) (GPS 47P 0745706, 1429438) (Shut down)
Measurement Date Nov 16 - 17, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120938

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	46.6	55.2	37.3
03:45 AM - 03:50 AM	58.3	68.9	38.8
03:50 AM - 03:55 AM	58.8	71.1	36.9
03:55 AM - 04:00 AM	56.6	70.2	36.0
04:00 AM - 04:05 AM	66.6	79.6	37.5
04:05 AM - 04:10 AM	67.6	79.5	41.1
04:10 AM - 04:15 AM	62.7	81.0	39.0
04:15 AM - 04:20 AM	43.5	58.2	39.4
04:20 AM - 04:25 AM	46.2	59.1	39.5
04:25 AM - 04:30 AM	47.3	63.3	39.3
04:30 AM - 04:35 AM	50.4	65.9	39.5
04:35 AM - 04:40 AM	50.1	67.8	38.0
04:40 AM - 04:45 AM	54.4	73.0	38.9
04:45 AM - 04:50 AM	50.0	63.4	38.2
04:50 AM - 04:55 AM	51.0	64.4	38.8
04:55 AM - 05:00 AM	52.8	67.0	37.6
05:00 AM - 05:05 AM	53.3	74.7	37.1
05:05 AM - 05:10 AM	50.7	68.4	36.4
05:10 AM - 05:15 AM	51.4	69.3	37.2
05:15 AM - 05:20 AM	58.0	78.0	37.4
05:20 AM - 05:25 AM	53.8	71.2	37.5
05:25 AM - 05:30 AM	54.1	71.5	38.8
05:30 AM - 05:35 AM	56.5	72.0	36.9
05:35 AM - 05:40 AM	51.1	64.6	41.0
05:40 AM - 05:45 AM	55.7	73.7	45.6
05:45 AM - 05:50 AM	55.6	71.4	46.0
05:50 AM - 05:55 AM	53.7	67.8	45.3
05:55 AM - 06:00 AM	60.4	81.2	45.9
06:00 AM - 07:00 AM	54.5	82.7	46.6
07:00 AM - 08:00 AM	55.7	77.5	48.6
08:00 AM - 09:00 AM	52.8	72.8	46.1
09:00 AM - 10:00 AM	56.3	82.8	47.8

Reference Method :

1. ISO 1996-1
2. ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงสัญญาณ ระดับเสียงขณะดำเนินการขนถ่าย การตรวจวัดและคำนวณระดับเสียงขณะดำเนินการขนถ่าย การคำนวณการเปลี่ยนแปลงระดับเสียงและการตรวจวัดระดับเสียงขณะดำเนินการขนถ่าย และฉบับที่แก้ไขการตรวจวัดระดับเสียง พ.ศ. 2565

Approved by

Wilawan Borik
Manager

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Life Sciences

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599080
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report No. : 3459299-1

Page 2 of 3

Sample No. 2599080-16
Parameter Noise
Location กลุ่มบ้าน หมู่ 2 บ้านหนองปลาไหล จ.ฉะ (ส.แม่บ้าน) (N3) (จุดบ้าน) (GPS 47P 0745706, 1429438) (Shut down)
Measurement Date Nov 17 - 18, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120938

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	40.4	45.6	37.1
12:35 AM - 12:40 AM	40.1	44.6	37.0
12:40 AM - 12:45 AM	39.5	44.6	37.2
12:45 AM - 12:50 AM	40.6	44.9	38.1
12:50 AM - 12:55 AM	42.0	61.3	39.2
12:55 AM - 1:00 AM	41.0	46.8	39.1
1:00 AM - 01:05 AM	43.0	61.7	41.0
01:05 AM - 01:10 AM	42.6	46.4	41.1
01:10 AM - 01:15 AM	42.3	45.2	41.0
01:15 AM - 01:20 AM	42.5	47.5	41.1
01:20 AM - 01:25 AM	43.5	49.0	41.3
01:25 AM - 01:30 AM	44.8	51.8	43.0
01:30 AM - 01:35 AM	44.8	49.5	42.4
01:35 AM - 01:40 AM	46.7	72.8	43.6
01:40 AM - 01:45 AM	48.5	75.4	44.9
01:45 AM - 01:50 AM	48.2	52.3	44.9
01:50 AM - 01:55 AM	48.5	57.9	44.9
01:55 AM - 02:00 AM	48.1	52.6	44.2
02:00 AM - 02:05 AM	48.2	53.1	44.1
02:05 AM - 02:10 AM	48.0	54.0	43.4
02:10 AM - 02:15 AM	49.0	63.9	44.8
02:15 AM - 02:20 AM	45.4	50.7	43.7
02:20 AM - 02:25 AM	45.7	55.3	43.5
02:25 AM - 02:30 AM	45.4	49.0	43.8
02:30 AM - 02:35 AM	45.1	48.5	43.7
02:35 AM - 02:40 AM	44.2	49.9	41.6
02:40 AM - 02:45 AM	44.1	47.1	42.6
02:45 AM - 02:50 AM	45.4	52.5	44.3
02:50 AM - 02:55 AM	47.5	54.4	44.2
02:55 AM - 03:00 AM	46.7	50.7	44.5
03:00 AM - 03:05 AM	47.5	52.1	44.9
03:05 AM - 03:10 AM	46.5	57.5	42.1
03:10 AM - 03:15 AM	46.4	51.8	44.4
03:15 AM - 03:20 AM	45.9	50.4	44.5
03:20 AM - 03:25 AM	48.0	57.5	44.8
03:25 AM - 03:30 AM	45.4	50.4	42.1
03:30 AM - 03:35 AM	44.9	50.4	42.1
03:35 AM - 03:40 AM	47.2	63.1	43.9
03:40 AM - 03:45 AM	47.6	63.4	43.7
03:45 AM - 03:50 AM	46.3	61.6	43.2

Approved by

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2599080
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report No. : 3459299-1

Page 1 of 3

Sample No. 2599080-16
Parameter Noise
Location กลุ่มบ้าน หมู่ 2 บ้านหนองปลาไหล จ.ฉะ (ส.แม่บ้าน) (N3) (จุดบ้าน) (GPS 47P 0745706, 1429438) (Shut down)
Measurement Date Nov 17 - 18, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120938

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	57.3	83.8	45.1
11:00 AM - 12:00 PM	58.8	84.3	52.5
12:00 PM - 01:00 PM	55.1	70.2	51.1
01:00 PM - 02:00 PM	51.2	75.7	47.1
02:00 PM - 03:00 PM	53.3	75.5	46.5
03:00 PM - 04:00 PM	55.8	79.7	48.3
04:00 PM - 05:00 PM	54.8	75.5	47.0
05:00 PM - 06:00 PM	58.7	84.1	47.1
06:00 PM - 07:00 PM	57.1	85.0	44.9
07:00 PM - 08:00 PM	51.2	77.8	41.2
08:00 PM - 09:00 PM	51.0	77.4	43.3
09:00 PM - 10:00 PM	47.0	71.9	36.6
10:00 PM - 10:05 PM	45.0	61.0	36.3
10:05 PM - 10:10 PM	46.2	63.5	37.1
10:10 PM - 10:15 PM	47.2	73.0	36.9
10:15 PM - 10:20 PM	55.3	77.1	36.9
10:20 PM - 10:25 PM	35.5	53.5	36.3
10:25 PM - 10:30 PM	38.9	44.0	36.5
10:30 PM - 10:35 PM	39.9	45.5	37.1
10:35 PM - 10:40 PM	43.2	59.7	36.5
10:40 PM - 10:45 PM	46.4	68.7	36.9
10:45 PM - 10:50 PM	38.6	50.6	35.4
10:50 PM - 10:55 PM	38.5	50.3	35.9
10:55 PM - 11:00 PM	37.9	44.9	35.1
11:00 PM - 11:05 PM	40.7	56.2	35.7
11:05 PM - 11:10 PM	37.9	54.8	35.3
11:10 PM - 11:15 PM	35.9	51.6	35.1
11:15 PM - 11:20 PM	39.1	58.3	34.9
11:20 PM - 11:25 PM	45.7	62.6	35.7
11:25 PM - 11:30 PM	45.8	62.3	36.6
11:30 PM - 11:35 PM	38.0	42.9	35.4
11:35 PM - 11:40 PM	44.2	63.4	36.0
11:40 PM - 11:45 PM	39.2	47.4	35.8
11:45 PM - 11:50 PM	38.1	52.8	35.3
11:50 PM - 11:55 PM	39.1	47.9	36.3
11:55 PM - 12:00 AM	41.9	57.5	35.2
12:00 AM - 12:05 AM	41.4	58.9	35.9
12:05 AM - 12:10 AM	48.4	64.9	37.6
12:10 AM - 12:15 AM	39.7	44.5	37.2
12:15 AM - 12:20 AM	38.4	43.3	36.1

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459300-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599080-17
Parameter Noise
Location กล้องนำทาง หมู่ 2 บ้านหนองละลอกใต้ จุดที่ 2 (ตามทาง) (N3) (จุดลำแสง) (GPS 47P 0745706, 1429438) (Shut down)
Measurement Date Nov 18 - 19, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120938

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	54.2	75.9	47.1
11:00 AM - 12:00 PM	51.5	72.2	45.7
12:00 PM - 01:00 PM	54.9	72.9	50.3
01:00 PM - 02:00 PM	54.2	89.8	48.6
02:00 PM - 03:00 PM	54.4	77.9	48.0
03:00 PM - 04:00 PM	57.4	87.1	48.3
04:00 PM - 05:00 PM	57.0	80.9	46.8
05:00 PM - 06:00 PM	56.0	76.9	45.5
06:00 PM - 07:00 PM	55.7	79.4	46.0
07:00 PM - 08:00 PM	53.4	79.3	45.1
08:00 PM - 09:00 PM	46.2	70.4	39.9
09:00 PM - 10:00 PM	45.7	74.3	38.9
10:00 PM - 10:05 PM	43.2	55.9	40.1
10:05 PM - 10:10 PM	43.8	56.7	40.4
10:10 PM - 10:15 PM	44.9	56.7	40.7
10:15 PM - 10:20 PM	47.7	66.3	40.7
10:20 PM - 10:25 PM	42.4	55.2	39.0
10:25 PM - 10:30 PM	41.5	54.2	39.4
10:30 PM - 10:35 PM	42.9	64.4	40.0
10:35 PM - 10:40 PM	49.5	68.4	39.3
10:40 PM - 10:45 PM	47.9	63.4	40.9
10:45 PM - 10:50 PM	42.0	53.3	40.2
10:50 PM - 10:55 PM	41.6	49.9	40.4
10:55 PM - 11:00 PM	43.3	59.8	41.1
11:00 PM - 11:05 PM	45.2	66.3	40.5
11:05 PM - 11:10 PM	44.3	60.4	41.4
11:10 PM - 11:15 PM	49.4	65.6	40.4
11:15 PM - 11:20 PM	44.4	58.6	40.5
11:20 PM - 11:25 PM	46.1	57.9	40.2
11:25 PM - 11:30 PM	41.3	49.5	40.0
11:30 PM - 11:35 PM	48.2	66.9	39.4
11:35 PM - 11:40 PM	47.4	65.8	39.5
11:40 PM - 11:45 PM	44.0	55.9	40.1
11:45 PM - 11:50 PM	40.7	50.9	39.2
11:50 PM - 11:55 PM	41.4	58.5	38.9
11:55 PM - 12:00 AM	41.9	52.0	40.0
12:00 AM - 12:05 AM	44.9	60.1	39.4
12:05 AM - 12:10 AM	49.0	67.9	39.7
12:10 AM - 12:15 AM	47.5	61.2	38.7
12:15 AM - 12:20 AM	46.0	50.2	37.6

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459300-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599080-17
Parameter Noise
Location กล้องนำทาง หมู่ 2 บ้านหนองละลอกใต้ จุดที่ 2 (ตามทาง) (N3) (จุดลำแสง) (GPS 47P 0745706, 1429438) (Shut down)
Measurement Date Nov 18 - 19, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120938

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:20 AM - 12:25 AM	41.8	58.5	37.7
12:25 AM - 12:30 AM	40.2	46.0	37.9
12:30 AM - 12:35 AM	44.5	59.8	37.8
12:35 AM - 12:40 AM	43.5	58.9	37.3
12:40 AM - 12:45 AM	44.2	61.0	38.4
12:45 AM - 12:50 AM	44.6	57.0	37.7
12:50 AM - 12:55 AM	46.8	59.2	37.7
12:55 AM - 01:00 AM	47.3	63.4	38.1
01:00 AM - 01:05 AM	42.6	53.3	38.0
01:05 AM - 01:10 AM	48.0	60.7	39.5
01:10 AM - 01:15 AM	52.2	64.8	40.3
01:15 AM - 01:20 AM	52.8	64.4	42.1
01:20 AM - 01:25 AM	48.6	63.1	42.0
01:25 AM - 01:30 AM	52.9	60.7	41.9
01:30 AM - 01:35 AM	48.7	65.5	41.0
01:35 AM - 01:40 AM	50.9	65.7	40.9
01:40 AM - 01:45 AM	51.3	65.8	41.4
01:45 AM - 01:50 AM	53.9	65.9	41.9
01:50 AM - 01:55 AM	57.6	67.4	42.3
01:55 AM - 02:00 AM	58.0	66.2	42.2
02:00 AM - 02:05 AM	52.3	65.1	42.2
02:05 AM - 02:10 AM	52.3	65.3	41.8
02:10 AM - 02:15 AM	55.2	65.3	42.9
02:15 AM - 02:20 AM	55.4	60.7	42.5
02:20 AM - 02:25 AM	53.1	63.8	42.1
02:25 AM - 02:30 AM	46.5	60.9	41.7
02:30 AM - 02:35 AM	50.2	65.3	41.2
02:35 AM - 02:40 AM	52.3	65.2	41.3
02:40 AM - 02:45 AM	50.2	64.0	41.5
02:45 AM - 02:50 AM	45.1	59.5	41.5
02:50 AM - 02:55 AM	42.4	55.3	38.8
02:55 AM - 03:00 AM	42.3	57.6	37.9
03:00 AM - 03:05 AM	47.4	64.1	41.9
03:05 AM - 03:10 AM	42.2	44.7	41.2
03:10 AM - 03:15 AM	43.3	54.0	41.6
03:15 AM - 03:20 AM	44.8	57.8	42.8
03:20 AM - 03:25 AM	44.1	48.1	43.3
03:25 AM - 03:30 AM	45.5	48.6	42.2
03:30 AM - 03:35 AM	46.6	59.4	42.8
03:35 AM - 03:40 AM	46.7	60.3	43.3

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459300-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample No. 2599080-17
Parameter Noise
Location กล้องนำทาง หมู่ 2 บ้านหนองละลอกใต้ จุดที่ 2 (ตามทาง) (N3) (จุดลำแสง) (GPS 47P 0745706, 1429438) (Shut down)
Measurement Date Nov 19 - 20, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120938

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	44.5	49.3	42.8
03:45 AM - 03:50 AM	48.9	67.7	40.9
03:50 AM - 03:55 AM	43.9	54.9	41.2
03:55 AM - 04:00 AM	57.2	71.3	41.6
04:00 AM - 04:05 AM	55.0	69.7	41.7
04:05 AM - 04:10 AM	62.9	80.4	41.3
04:10 AM - 04:15 AM	50.2	63.1	41.1
04:15 AM - 04:20 AM	49.1	65.2	41.4
04:20 AM - 04:25 AM	43.6	51.6	40.8
04:25 AM - 04:30 AM	45.4	63.4	40.4
04:30 AM - 04:35 AM	49.9	71.9	40.3
04:35 AM - 04:40 AM	45.7	61.9	40.3
04:40 AM - 04:45 AM	52.9	68.4	42.3
04:45 AM - 04:50 AM	50.5	69.0	46.1
04:50 AM - 04:55 AM	33.9	72.7	40.3
04:55 AM - 05:00 AM	53.7	66.9	41.1
05:00 AM - 05:05 AM	48.8	66.7	39.7
05:05 AM - 05:10 AM	51.2	65.3	40.2
05:10 AM - 05:15 AM	49.1	65.4	42.7
05:15 AM - 05:20 AM	54.2	68.4	45.1
05:20 AM - 05:25 AM	56.9	75.5	45.1
05:25 AM - 05:30 AM	52.4	69.0	44.8
05:30 AM - 05:35 AM	52.9	67.4	44.9
05:35 AM - 05:40 AM	57.2	86.3	45.4
05:40 AM - 05:45 AM	55.8	70.0	46.5
05:45 AM - 05:50 AM	56.7	73.0	46.3
05:50 AM - 05:55 AM	57.2	71.8	46.9
05:55 AM - 06:00 AM	56.4	72.5	46.9
06:00 AM - 07:00 AM	54.0	73.6	47.4
07:00 AM - 08:00 AM	54.5	77.8	47.5
08:00 AM - 09:00 AM	54.4	75.1	47.4
09:00 AM - 10:00 AM	56.1	80.1	48.4

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงในชุมชน การวัดเสียงขณะดำเนินการขนถ่าย การตรวจวัดและคำนวณระดับเสียงขณะดำเนินการขนถ่าย การคำนวณการขนถ่าย และการบันทึกผลการตรวจวัดเสียงตาม ม.ร. 2565

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Wiwawan Borikak
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LIFE SCIENCES

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459300-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599080-18
Parameter Noise
Location กล้องนำทาง หมู่ 2 บ้านหนองละลอกใต้ จุดที่ 2 (ตามทาง) (N3) (จุดลำแสง) (GPS 47P 0745706, 1429438) (Shut down)
Measurement Date Nov 19 - 20, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120938

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	53.7	74.1	43.8
11:00 AM - 12:00 PM	54.1	81.4	43.7
12:00 PM - 01:00 PM	57.0	79.0	48.6
01:00 PM - 02:00 PM	59.0	81.0	48.9
02:00 PM - 03:00 PM	55.6	77.2	49.3
03:00 PM - 04:00 PM	63.1	94.3	50.4
04:00 PM - 05:00 PM	57.4	82.7	48.0
05:00 PM - 06:00 PM	57.1	85.1	48.2
06:00 PM - 07:00 PM	54.5	85.1	47.3
07:00 PM - 08:00 PM	53.0	79.5	45.4
08:00 PM - 09:00 PM	53.0	77.6	44.2
09:00 PM - 10:00 PM	46.8	77.2	44.5
10:00 PM - 10:05 PM	46.8	63.5	44.6
10:05 PM - 10:10 PM	48.9	63.7	45.1
10:10 PM - 10:15 PM	46.5	54.1	44.8
10:15 PM - 10:20 PM	47.5	62.0	44.2
10:20 PM - 10:25 PM	51.4	63.8	45.1
10:25 PM - 10:30 PM	50.8	63.5	44.2
10:30 PM - 10:35 PM	50.4	66.1	44.5
10:35 PM - 10:40 PM	50.9	62.8	44.2
10:40 PM - 10:45 PM	48.8	64.6	44.1
10:45 PM - 10:50 PM	51.1	64.8	44.1
10:50 PM - 10:55 PM	52.3	61.9	43.3
10:55 PM - 11:00 PM	46.2	60.0	42.9
11:00 PM - 11:05 PM	49.3	66.2	43.8
11:05 PM - 11:10 PM	52.1	66.4	43.6
11:10 PM - 11:15 PM	44.5	55.9	42.0
11:15 PM - 11:20 PM	50.7	66.7	42.3
11:20 PM - 11:25 PM	52.3	66.8	43.1
11:25 PM - 11:30 PM	49.3	62.9	44.3
11:30 PM - 11:35 PM	47.4	59.3	43.5
11:35 PM - 11:40 PM	45.8	56.5	42.9
11:40 PM - 11:45 PM	47.9	62.0	42.4
11:45 PM - 11:50 PM	47.9	59.9	42.3
11:50 PM - 11:55 PM	49.8	64.7	42.4
11:55 PM - 12:00 AM	49.1	63.2	42.7
12:00 AM - 12:05 AM	44.8	57.9	42.7
12:05 AM - 12:10 AM	46.3	57.8	42.7
12:10 AM - 12:15 AM	51.1	64.7	42.7
12:15 AM - 12:20 AM	48.8	65.5	42.5

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459301-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599080-18
Parameter Noise
Location กลุ่มบ้าน หมู่ 2 บ้านหนองละลอก จ.ต. 2 (อ.แม่ท่าเรือ) (N3) (จุดสถานี) (GPS 47P 0745706, 1429438) (Shut down)
Measurement Date Nov 19 - 20, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120938

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	53.8	67.4	42.6
12:35 AM - 12:40 AM	49.8	68.1	42.8
12:40 AM - 12:45 AM	55.5	68.4	46.0
12:45 AM - 12:50 AM	45.6	57.4	40.1
12:50 AM - 12:55 AM	50.2	58.1	43.5
12:55 AM - 01:00 AM	52.1	57.6	44.7
01:00 AM - 01:05 AM	51.7	62.1	43.5
01:05 AM - 01:10 AM	49.5	60.3	43.3
01:10 AM - 01:15 AM	47.7	57.6	43.3
01:15 AM - 01:20 AM	47.2	59.4	42.9
01:20 AM - 01:25 AM	50.7	59.3	43.6
01:25 AM - 01:30 AM	52.9	58.7	44.9
01:30 AM - 01:35 AM	58.0	76.1	44.6
01:35 AM - 01:40 AM	56.7	61.7	46.7
01:40 AM - 01:45 AM	50.0	59.8	43.3
01:45 AM - 01:50 AM	53.3	62.2	43.2
01:50 AM - 01:55 AM	56.9	65.6	43.1
01:55 AM - 02:00 AM	52.6	65.2	42.9
02:00 AM - 02:05 AM	52.5	65.9	43.0
02:05 AM - 02:10 AM	53.1	65.4	43.0
02:10 AM - 02:15 AM	48.7	63.3	42.9
02:15 AM - 02:20 AM	43.5	46.5	42.8
02:20 AM - 02:25 AM	47.1	59.2	42.9
02:25 AM - 02:30 AM	49.8	59.3	42.9
02:30 AM - 02:35 AM	49.1	60.3	42.7
02:35 AM - 02:40 AM	60.4	76.5	43.2
02:40 AM - 02:45 AM	49.1	58.8	43.3
02:45 AM - 02:50 AM	43.0	57.8	43.1
02:50 AM - 02:55 AM	50.7	65.7	43.9
02:55 AM - 03:00 AM	60.9	80.6	42.9
03:00 AM - 03:05 AM	48.2	59.6	42.2
03:05 AM - 03:10 AM	52.5	63.4	42.9
03:10 AM - 03:15 AM	47.7	58.5	44.2
03:15 AM - 03:20 AM	52.7	68.7	43.4
03:20 AM - 03:25 AM	45.4	58.4	42.9
03:25 AM - 03:30 AM	47.2	59.5	43.0
03:30 AM - 03:35 AM	45.5	58.1	43.2
03:35 AM - 03:40 AM	44.1	57.5	43.1
03:40 AM - 03:45 AM	45.7	59.2	43.1
03:45 AM - 03:50 AM	48.8	62.6	43.4

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Life Sciences

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459301-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample No. 2599080-18
Parameter Noise
Location กลุ่มบ้าน หมู่ 2 บ้านหนองละลอก จ.ต. 2 (อ.แม่ท่าเรือ) (N3) (จุดสถานี) (GPS 47P 0745706, 1429438) (Shut down)
Measurement Date Nov 19 - 20, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120938

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	44.6	55.9	43.3
03:45 AM - 03:50 AM	44.8	55.9	43.3
03:50 AM - 03:55 AM	46.0	58.4	43.8
03:55 AM - 04:00 AM	58.0	70.8	44.7
04:00 AM - 04:05 AM	46.2	63.3	44.2
04:05 AM - 04:10 AM	48.2	67.1	40.9
04:10 AM - 04:15 AM	47.6	62.4	41.4
04:15 AM - 04:20 AM	50.5	69.8	41.7
04:20 AM - 04:25 AM	52.6	69.0	40.5
04:25 AM - 04:30 AM	43.0	57.2	37.7
04:30 AM - 04:35 AM	46.0	65.0	37.9
04:35 AM - 04:40 AM	45.2	61.9	36.8
04:40 AM - 04:45 AM	45.4	62.4	36.1
04:45 AM - 04:50 AM	51.0	70.4	38.2
04:50 AM - 04:55 AM	47.8	64.6	35.6
04:55 AM - 05:00 AM	60.2	83.9	35.5
05:00 AM - 05:05 AM	39.0	49.9	35.3
05:05 AM - 05:10 AM	48.1	64.4	36.5
05:10 AM - 05:15 AM	47.5	65.1	35.0
05:15 AM - 05:20 AM	58.8	84.0	35.7
05:20 AM - 05:25 AM	44.9	61.9	34.4
05:25 AM - 05:30 AM	46.6	63.6	35.3
05:30 AM - 05:35 AM	45.1	61.2	35.1
05:35 AM - 05:40 AM	57.8	77.9	36.8
05:40 AM - 05:45 AM	50.5	66.6	36.7
05:45 AM - 05:50 AM	52.4	67.5	35.9
05:50 AM - 05:55 AM	49.5	68.3	35.6
05:55 AM - 06:00 AM	49.4	65.8	43.0
06:00 AM - 07:00 AM	50.1	73.6	43.9
07:00 AM - 08:00 AM	51.1	73.2	44.8
08:00 AM - 09:00 AM	52.4	76.1	46.6
09:00 AM - 10:00 AM	52.2	85.2	45.6

Reference Method :

- ISO 1996-1
2. ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงที่ชุมชน ระดับเสียงตามอาคาร และการวัดและคำนวณระดับเสียงของอาคารตามกำหนดมาตรฐานการควบคุมมลพิษ และแนวปฏิบัติในการตรวจวัดระดับเสียงตาม พ.ศ. 2565

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459302-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599080-19
Parameter Noise
Location กลุ่มบ้าน หมู่ 2 บ้านหนองละลอก จ.ต. 2 (อ.แม่ท่าเรือ) (N3) (จุดสถานี) (GPS 47P 0745706, 1429438) (Shut down)
Measurement Date Nov 20 - 21, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120938

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	49.9	66.9	47.3
11:00 AM - 12:00 PM	48.0	72.9	43.5
12:00 PM - 01:00 PM	48.0	68.0	46.0
01:00 PM - 02:00 PM	50.9	69.5	46.9
02:00 PM - 03:00 PM	51.7	70.2	47.1
03:00 PM - 04:00 PM	56.7	83.1	46.1
04:00 PM - 05:00 PM	55.4	85.4	38.7
05:00 PM - 06:00 PM	50.8	74.2	45.3
06:00 PM - 07:00 PM	51.5	76.7	43.5
07:00 PM - 08:00 PM	52.8	79.3	45.9
08:00 PM - 09:00 PM	44.3	69.7	41.4
09:00 PM - 10:00 PM	44.6	67.6	38.7
10:00 PM - 10:05 PM	39.2	44.2	36.9
10:05 PM - 10:10 PM	39.5	51.1	38.3
10:10 PM - 10:15 PM	44.3	71.5	38.3
10:15 PM - 10:20 PM	39.4	42.9	37.0
10:20 PM - 10:25 PM	39.2	46.2	37.4
10:25 PM - 10:30 PM	43.9	72.5	37.9
10:30 PM - 10:35 PM	54.3	76.2	38.2
10:35 PM - 10:40 PM	41.9	61.2	39.4
10:40 PM - 10:45 PM	44.7	58.4	40.9
10:45 PM - 10:50 PM	48.7	62.5	42.4
10:50 PM - 10:55 PM	50.0	65.0	43.1
10:55 PM - 11:00 PM	46.1	58.8	40.4
11:00 PM - 11:05 PM	44.8	54.5	40.3
11:05 PM - 11:10 PM	41.9	48.3	40.0
11:10 PM - 11:15 PM	48.2	69.1	39.8
11:15 PM - 11:20 PM	41.6	49.4	39.6
11:20 PM - 11:25 PM	41.5	50.6	39.4
11:25 PM - 11:30 PM	42.5	52.0	40.9
11:30 PM - 11:35 PM	41.9	49.9	40.5
11:35 PM - 11:40 PM	42.0	53.7	40.0
11:40 PM - 11:45 PM	42.5	60.0	40.9
11:45 PM - 11:50 PM	42.0	60.7	40.3
11:50 PM - 11:55 PM	42.0	47.5	40.4
11:55 PM - 12:00 AM	43.4	53.3	41.3
12:00 AM - 12:05 AM	40.8	49.2	39.1
12:05 AM - 12:10 AM	46.0	61.0	38.9
12:10 AM - 12:15 AM	41.3	47.9	39.6
12:15 AM - 12:20 AM	40.8	52.6	39.2

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459302-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599080-19
Parameter Noise
Location กลุ่มบ้าน หมู่ 2 บ้านหนองละลอก จ.ต. 2 (อ.แม่ท่าเรือ) (N3) (จุดสถานี) (GPS 47P 0745706, 1429438) (Shut down)
Measurement Date Nov 20 - 21, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120938

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	41.0	55.0	37.7
12:35 AM - 12:40 AM	44.8	58.7	39.8
12:40 AM - 12:45 AM	41.4	54.8	39.4
12:45 AM - 12:50 AM	39.4	42.4	37.9
12:50 AM - 12:55 AM	41.1	56.8	38.4
12:55 AM - 01:00 AM	40.5	56.8	38.7
01:00 AM - 01:05 AM	39.6	43.0	38.2
01:05 AM - 01:10 AM	45.2	69.9	38.4
01:10 AM - 01:15 AM	38.2	47.7	34.6
01:15 AM - 01:20 AM	38.6	42.7	34.1
01:20 AM - 01:25 AM	38.2	53.8	35.5
01:25 AM - 01:30 AM	38.3	53.9	35.5
01:30 AM - 01:35 AM	38.1	47.1	36.0
01:35 AM - 01:40 AM	39.7	57.8	36.8
01:40 AM - 01:45 AM	47.2	62.1	36.1
01:45 AM - 01:50 AM	39.0	50.7	37.0
01:50 AM - 01:55 AM	45.5	61.6	36.8
01:55 AM - 02:00 AM	43.0	62.1	35.3
02:00 AM - 02:05 AM	38.0	42.6	36.0
02:05 AM - 02:10 AM	39.4	45.9	37.5
02:10 AM - 02:15 AM	48.5	71.9	36.1
02:15 AM - 02:20 AM	37.8	46.3	35.5
02:20 AM - 02:25 AM	38.8	53.7	36.2
02:25 AM - 02:30 AM	38.2	42.2	36.1
02:30 AM - 02:35 AM	44.9	60.8	36.6
02:35 AM - 02:40 AM	38.4	44.0	35.8
02:40 AM - 02:45 AM	37.0	41.5	35.8
02:45 AM - 02:50 AM	37.4	55.8	34.8
02:50 AM - 02:55 AM	37.2	48.2	34.8
02:55 AM - 03:00 AM	38.2	44.2	35.2
03:00 AM - 03:05 AM	39.6	47.9	37.3
03:05 AM - 03:10 AM	39.6	49.4	36.7
03:10 AM - 03:15 AM	47.3	68.3	36.3
03:15 AM - 03:20 AM	38.2	42.2	37.2
03:20 AM - 03:25 AM	45.0	62.6	37.6
03:25 AM - 03:30 AM	41.6	61.2	38.1
03:30 AM - 03:35 AM	39.8	47.7	38.5
03:35 AM - 03:40 AM	42.9	57.6	37.4
03:40 AM - 03:45 AM	51.6	68.2	38.6
03:45 AM - 03:50 AM	56.4	67.0	39.2

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459302-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599080-19
Parameter Noise
Location กลุ่มบ้าน หมู่ 2 บ้านถนนและบึงฯ จุดที่ 2 (ส.แม่ท่าเรือ) (N3) (จุดลำน้ำ) (GPS 47P 0745706, 1429438) (Shut down)
Measurement Date Nov 20 - 21, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120938

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	48.6	62.5	39.4
03:45 AM - 03:50 AM	52.7	68.7	39.2
03:50 AM - 03:55 AM	58.0	69.1	40.3
03:55 AM - 04:00 AM	58.3	69.0	40.5
04:00 AM - 04:05 AM	61.1	74.8	40.0
04:05 AM - 04:10 AM	49.3	69.0	39.1
04:10 AM - 04:15 AM	53.6	70.0	40.2
04:15 AM - 04:20 AM	51.0	69.2	40.0
04:20 AM - 04:25 AM	50.7	66.8	41.9
04:25 AM - 04:30 AM	50.4	63.7	45.9
04:30 AM - 04:35 AM	50.5	72.6	46.0
04:35 AM - 04:40 AM	50.8	61.0	48.7
04:40 AM - 04:45 AM	50.0	62.6	44.2
04:45 AM - 04:50 AM	47.9	61.5	41.4
04:50 AM - 04:55 AM	47.2	64.4	39.4
04:55 AM - 05:00 AM	52.1	67.1	40.2
05:00 AM - 05:05 AM	49.4	66.5	39.0
05:05 AM - 05:10 AM	48.4	66.4	39.1
05:10 AM - 05:15 AM	49.8	64.7	39.5
05:15 AM - 05:20 AM	58.8	79.9	40.0
05:20 AM - 05:25 AM	55.5	71.7	40.2
05:25 AM - 05:30 AM	53.8	70.4	40.0
05:30 AM - 05:35 AM	57.0	71.3	41.0
05:35 AM - 05:40 AM	58.6	85.1	41.4
05:40 AM - 05:45 AM	54.5	72.7	39.3
05:45 AM - 05:50 AM	54.6	70.7	45.7
05:50 AM - 05:55 AM	55.8	74.7	45.8
05:55 AM - 06:00 AM	56.8	73.9	47.0
06:00 AM - 07:00 AM	57.3	83.2	47.8
07:00 AM - 08:00 AM	54.1	80.5	49.3
08:00 AM - 09:00 AM	50.8	58.2	49.3
09:00 AM - 10:00 AM	54.1	74.3	49.6

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการกฤษฎีกาว่าด้วยหลักเกณฑ์และวิธีการมาตรฐานการตรวจวัดและรายงานระดับเสียงของกิจกรรมทางกายภาพตามระบบการรายงาน และแนวปฏิบัติในการตรวจวัดระดับเสียงตาม พ.ร. 2565

Approved by

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Wilwan Borik
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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459303-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599080-20
Parameter Noise
Location กลุ่มบ้าน หมู่ 2 บ้านถนนและบึงฯ จุดที่ 2 (ส.แม่ท่าเรือ) (N3) (จุดลำน้ำ) (GPS 47P 0745706, 1429438) (Shut down)
Measurement Date Nov 21 - 22, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120938

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	62.3	90.9	54.4
11:00 AM - 12:00 PM	59.8	81.6	53.2
12:00 PM - 01:00 PM	53.7	76.3	48.7
01:00 PM - 02:00 PM	53.8	76.9	48.5
02:00 PM - 03:00 PM	54.2	71.0	47.8
03:00 PM - 04:00 PM	55.5	79.0	46.7
04:00 PM - 05:00 PM	59.5	81.3	47.6
05:00 PM - 06:00 PM	56.5	79.4	49.0
06:00 PM - 07:00 PM	59.0	86.8	50.0
07:00 PM - 08:00 PM	57.3	79.1	51.2
08:00 PM - 09:00 PM	56.5	80.3	51.4
09:00 PM - 10:00 PM	57.4	74.9	53.0
10:00 PM - 10:05 PM	56.3	67.8	53.2
10:05 PM - 10:10 PM	59.7	73.8	52.3
10:10 PM - 10:15 PM	60.5	73.6	53.4
10:15 PM - 10:20 PM	59.2	73.2	52.2
10:20 PM - 10:25 PM	55.7	66.7	52.0
10:25 PM - 10:30 PM	55.8	65.2	53.6
10:30 PM - 10:35 PM	57.1	66.5	54.9
10:35 PM - 10:40 PM	56.3	58.9	54.9
10:40 PM - 10:45 PM	56.8	60.7	55.0
10:45 PM - 10:50 PM	55.0	59.6	52.6
10:50 PM - 10:55 PM	55.2	65.7	52.7
10:55 PM - 11:00 PM	54.8	59.6	52.4
11:00 PM - 11:05 PM	54.8	61.5	52.7
11:05 PM - 11:10 PM	55.7	60.6	53.2
11:10 PM - 11:15 PM	56.8	66.2	53.5
11:15 PM - 11:20 PM	56.9	60.0	56.0
11:20 PM - 11:25 PM	56.7	60.3	55.8
11:25 PM - 11:30 PM	56.7	65.8	55.4
11:30 PM - 11:35 PM	56.3	62.8	54.1
11:35 PM - 11:40 PM	55.3	61.4	52.7
11:40 PM - 11:45 PM	56.0	58.6	54.5
11:45 PM - 11:50 PM	56.0	54.6	54.5
11:50 PM - 11:55 PM	56.1	56.8	54.8
11:55 PM - 12:00 AM	57.0	69.9	55.2
12:00 AM - 12:05 AM	57.1	64.0	55.5
12:05 AM - 12:10 AM	56.2	61.0	54.5
12:10 AM - 12:15 AM	56.0	60.6	54.3
12:15 AM - 12:20 AM	57.0	64.6	54.6

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459303-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599080-20
Parameter Noise
Location กลุ่มบ้าน หมู่ 2 บ้านถนนและบึงฯ จุดที่ 2 (ส.แม่ท่าเรือ) (N3) (จุดลำน้ำ) (GPS 47P 0745706, 1429438) (Shut down)
Measurement Date Nov 21 - 22, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120938

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:20 AM - 12:25 AM	59.5	65.5	52.7
12:25 AM - 12:30 AM	57.8	67.8	54.6
12:30 AM - 12:35 AM	58.1	68.4	55.1
12:35 AM - 12:40 AM	64.1	67.2	55.0
12:40 AM - 12:45 AM	59.4	71.4	51.7
12:45 AM - 12:50 AM	60.5	74.4	52.6
12:50 AM - 12:55 AM	60.5	72.4	54.4
12:55 AM - 01:00 AM	60.9	73.1	53.9
01:00 AM - 01:05 AM	60.3	71.6	53.4
01:05 AM - 01:10 AM	58.6	73.7	50.8
01:10 AM - 01:15 AM	59.3	73.1	52.8
01:15 AM - 01:20 AM	61.9	77.8	51.4
01:20 AM - 01:25 AM	57.1	80.0	51.4
01:25 AM - 01:30 AM	64.1	81.2	52.0
01:30 AM - 01:35 AM	61.7	79.5	51.8
01:35 AM - 01:40 AM	65.5	89.0	49.7
01:40 AM - 01:45 AM	59.1	76.9	50.5
01:45 AM - 01:50 AM	61.8	77.4	51.4
01:50 AM - 01:55 AM	55.2	61.7	51.9
01:55 AM - 02:00 AM	61.5	73.8	52.6
02:00 AM - 02:05 AM	62.3	74.8	52.5
02:05 AM - 02:10 AM	62.5	74.8	52.8
02:10 AM - 02:15 AM	54.3	63.9	51.9
02:15 AM - 02:20 AM	64.1	64.6	51.7
02:20 AM - 02:25 AM	59.1	71.0	50.4
02:25 AM - 02:30 AM	60.8	72.1	51.3
02:30 AM - 02:35 AM	62.4	70.8	51.8
02:35 AM - 02:40 AM	62.5	73.5	52.3
02:40 AM - 02:45 AM	64.5	74.1	51.8
02:45 AM - 02:50 AM	65.6	72.6	52.0
02:50 AM - 02:55 AM	64.4	72.5	51.4
02:55 AM - 03:00 AM	65.3	75.5	52.7
03:00 AM - 03:05 AM	64.6	72.7	51.2
03:05 AM - 03:10 AM	61.5	72.0	46.4
03:10 AM - 03:15 AM	65.9	73.6	50.4
03:15 AM - 03:20 AM	65.5	72.4	47.9
03:20 AM - 03:25 AM	62.7	73.1	49.9
03:25 AM - 03:30 AM	63.5	75.5	50.1
03:30 AM - 03:35 AM	65.1	73.8	51.3
03:35 AM - 03:40 AM	61.8	70.1	49.6

Approved by

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459303-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample No. 2599080-20
Parameter Noise
Location กลุ่มบ้าน หมู่ 2 บ้านถนนและบึงฯ จุดที่ 2 (ส.แม่ท่าเรือ) (N3) (จุดลำน้ำ) (GPS 47P 0745706, 1429438) (Shut down)
Measurement Date Nov 21 - 22, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120938

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	61.4	74.4	51.0
03:45 AM - 03:50 AM	60.9	70.8	51.8
03:50 AM - 03:55 AM	62.7	72.4	51.5
03:55 AM - 04:00 AM	62.1	73.4	50.6
04:00 AM - 04:05 AM	60.5	73.4	48.8
04:05 AM - 04:10 AM	60.1	72.7	48.4
04:10 AM - 04:15 AM	63.2	75.6	48.6
04:15 AM - 04:20 AM	58.9	75.4	47.4
04:20 AM - 04:25 AM	52.0	71.8	47.0
04:25 AM - 04:30 AM	50.7	66.9	45.8
04:30 AM - 04:35 AM	49.2	65.0	45.1
04:35 AM - 04:40 AM	54.2	79.2	45.1
04:40 AM - 04:45 AM	55.9	73.4	45.1
04:45 AM - 04:50 AM	56.8	70.6	44.5
04:50 AM - 04:55 AM	47.2	66.1	44.0
04:55 AM - 05:00 AM	56.5	70.7	44.3
05:00 AM - 05:05 AM	54.5	69.2	44.4
05:05 AM - 05:10 AM	56.8	61.0	44.0
05:10 AM - 05:15 AM	57.2	71.7	44.5
05:15 AM - 05:20 AM	60.0	78.1	44.4
05:20 AM - 05:25 AM	49.2	63.5	44.4
05:25 AM - 05:30 AM	55.4	70.8	44.4
05:30 AM - 05:35 AM	56.9	72.6	43.6
05:35 AM - 05:40 AM	55.8	70.0	43.6
05:40 AM - 05:45 AM	51.7	67.9	43.5
05:45 AM - 05:50 AM	53.2	70.9	43.6
05:50 AM - 05:55 AM	53.1	70.9	43.2
05:55 AM - 06:00 AM	57.4	73.2	44.1
06:00 AM - 07:00 AM	56.1	82.1	46.4
07:00 AM - 08:00 AM	55.6	81.3	47.4
08:00 AM - 09:00 AM	60.4	91.9	51.9
09:00 AM - 10:00 AM	56.9	79.2	52.3

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการกฤษฎีกาว่าด้วยหลักเกณฑ์และวิธีการมาตรฐานการตรวจวัดและรายงานระดับเสียงของกิจกรรมทางกายภาพตามระบบการรายงาน และแนวปฏิบัติในการตรวจวัดระดับเสียงตาม พ.ร. 2565

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459304-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599080-21
Parameter Noise
Location กล้องนำทาง หมู่ 2 บ้านหนองละลอกใต้ จุดที่ 2 (ส.แม่ท่าเรือ) (N3) (จุดลำน้ำ) (GPS 47P 0745706, 1429438) (Shut down)
Measurement Date Nov 22 - 23, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120938

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	55.5	75.8	48.4
11:00 AM - 12:00 PM	56.1	84.4	49.2
12:00 PM - 01:00 PM	54.1	77.5	49.9
01:00 PM - 02:00 PM	51.2	64.3	50.0
02:00 PM - 03:00 PM	60.1	79.5	54.9
03:00 PM - 04:00 PM	62.8	93.5	57.1
04:00 PM - 05:00 PM	57.1	80.3	49.6
05:00 PM - 06:00 PM	53.7	76.9	47.6
06:00 PM - 07:00 PM	54.7	79.3	49.4
07:00 PM - 08:00 PM	53.8	72.3	51.0
08:00 PM - 09:00 PM	53.0	70.8	50.3
09:00 PM - 10:00 PM	55.0	72.7	49.8
10:00 PM - 10:05 PM	50.9	57.4	49.7
10:05 PM - 10:10 PM	51.5	64.9	48.6
10:10 PM - 10:15 PM	51.8	64.2	48.5
10:15 PM - 10:20 PM	51.5	63.8	48.1
10:20 PM - 10:25 PM	51.0	60.6	49.0
10:25 PM - 10:30 PM	53.5	69.7	47.7
10:30 PM - 10:35 PM	49.6	58.0	47.6
10:35 PM - 10:40 PM	50.4	56.8	47.2
10:40 PM - 10:45 PM	47.9	57.1	46.4
10:45 PM - 10:50 PM	46.8	50.0	45.2
10:50 PM - 10:55 PM	50.6	56.8	48.4
10:55 PM - 11:00 PM	53.5	72.1	48.4
11:00 PM - 11:05 PM	51.8	58.9	47.4
11:05 PM - 11:10 PM	50.0	55.9	47.9
11:10 PM - 11:15 PM	46.4	50.4	44.9
11:15 PM - 11:20 PM	48.9	55.9	45.5
11:20 PM - 11:25 PM	47.9	57.6	45.9
11:25 PM - 11:30 PM	50.3	57.6	47.7
11:30 PM - 11:35 PM	50.4	60.9	47.6
11:35 PM - 11:40 PM	50.0	56.8	47.5
11:40 PM - 11:45 PM	48.9	53.5	46.8
11:45 PM - 11:50 PM	50.7	63.5	46.8
11:50 PM - 11:55 PM	48.0	62.7	45.7
11:55 PM - 12:00 AM	48.8	65.4	44.8
12:00 AM - 12:05 AM	51.7	70.2	47.6
12:05 AM - 12:10 AM	50.7	56.2	49.0
12:10 AM - 12:15 AM	51.4	61.4	48.5
12:15 AM - 12:20 AM	50.5	57.0	48.7

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459304-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599080-21
Parameter Noise
Location กล้องนำทาง หมู่ 2 บ้านหนองละลอกใต้ จุดที่ 2 (ส.แม่ท่าเรือ) (N3) (จุดลำน้ำ) (GPS 47P 0745706, 1429438) (Shut down)
Measurement Date Nov 22 - 23, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120938

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	51.4	57.5	48.8
12:35 AM - 12:40 AM	53.1	59.9	48.9
12:40 AM - 12:45 AM	52.0	67.8	48.1
12:45 AM - 12:50 AM	49.8	60.8	47.0
12:50 AM - 12:55 AM	52.6	68.9	48.8
12:55 AM - 01:00 AM	53.8	59.8	48.1
01:00 AM - 01:05 AM	49.4	57.8	47.1
01:05 AM - 01:10 AM	55.5	63.6	52.3
01:10 AM - 01:15 AM	55.9	60.1	53.1
01:15 AM - 01:20 AM	55.9	59.7	53.4
01:20 AM - 01:25 AM	55.9	60.2	52.3
01:25 AM - 01:30 AM	55.5	56.5	54.3
01:30 AM - 01:35 AM	55.5	62.8	48.6
01:35 AM - 01:40 AM	56.8	62.6	53.8
01:40 AM - 01:45 AM	56.9	62.7	53.5
01:45 AM - 01:50 AM	57.4	63.1	54.9
01:50 AM - 01:55 AM	56.6	62.4	53.8
01:55 AM - 02:00 AM	56.1	62.9	52.5
02:00 AM - 02:05 AM	55.4	64.2	46.5
02:05 AM - 02:10 AM	53.8	62.2	46.0
02:10 AM - 02:15 AM	58.4	64.7	48.2
02:15 AM - 02:20 AM	58.3	65.5	48.7
02:20 AM - 02:25 AM	58.3	64.3	48.9
02:25 AM - 02:30 AM	57.7	64.0	53.8
02:30 AM - 02:35 AM	58.5	64.4	52.5
02:35 AM - 02:40 AM	59.4	71.4	53.3
02:40 AM - 02:45 AM	60.5	66.0	56.0
02:45 AM - 02:50 AM	59.4	64.5	54.8
02:50 AM - 02:55 AM	58.7	65.0	54.1
02:55 AM - 03:00 AM	58.7	64.0	52.6
03:00 AM - 03:05 AM	59.1	58.7	53.2
03:05 AM - 03:10 AM	59.1	64.2	54.3
03:10 AM - 03:15 AM	58.3	64.5	52.1
03:15 AM - 03:20 AM	58.3	64.1	51.5
03:20 AM - 03:25 AM	59.6	66.1	52.3
03:25 AM - 03:30 AM	58.0	65.1	51.9
03:30 AM - 03:35 AM	56.4	64.8	51.2
03:35 AM - 03:40 AM	53.4	61.0	49.7
03:40 AM - 03:45 AM	52.9	59.7	48.1

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459304-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample No. 2599080-21
Parameter Noise
Location กล้องนำทาง หมู่ 2 บ้านหนองละลอกใต้ จุดที่ 2 (ส.แม่ท่าเรือ) (N3) (จุดลำน้ำ) (GPS 47P 0745706, 1429438) (Shut down)
Measurement Date Nov 22 - 23, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120938

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	52.2	58.6	49.0
03:45 AM - 03:50 AM	51.6	57.8	48.5
03:50 AM - 03:55 AM	50.8	55.7	48.3
03:55 AM - 04:00 AM	50.2	65.0	46.4
04:00 AM - 04:05 AM	55.2	72.1	45.6
04:05 AM - 04:10 AM	63.4	75.4	48.7
04:10 AM - 04:15 AM	60.2	69.3	46.8
04:15 AM - 04:20 AM	52.1	60.5	47.4
04:20 AM - 04:25 AM	51.6	64.3	47.6
04:25 AM - 04:30 AM	52.4	71.3	44.9
04:30 AM - 04:35 AM	53.9	72.7	45.0
04:35 AM - 04:40 AM	57.7	73.7	44.2
04:40 AM - 04:45 AM	60.5	77.1	44.5
04:45 AM - 04:50 AM	56.5	71.9	45.7
04:50 AM - 04:55 AM	53.2	63.9	47.6
04:55 AM - 05:00 AM	53.7	63.0	43.8
05:00 AM - 05:05 AM	55.1	70.0	43.8
05:05 AM - 05:10 AM	51.7	65.0	43.3
05:10 AM - 05:15 AM	49.8	66.3	43.6
05:15 AM - 05:20 AM	51.3	63.8	42.4
05:20 AM - 05:25 AM	44.5	58.2	42.0
05:25 AM - 05:30 AM	50.8	66.1	42.2
05:30 AM - 05:35 AM	59.0	79.4	43.5
05:35 AM - 05:40 AM	59.8	82.6	43.3
05:40 AM - 05:45 AM	51.7	70.6	43.1
05:45 AM - 05:50 AM	49.9	64.3	43.7
05:50 AM - 05:55 AM	50.3	65.5	43.9
05:55 AM - 06:00 AM	50.4	70.8	45.4
06:00 AM - 07:00 AM	54.9	77.5	46.1
07:00 AM - 08:00 AM	54.4	74.6	47.2
08:00 AM - 09:00 AM	56.1	77.4	50.0
09:00 AM - 10:00 AM	54.8	78.9	47.9

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงในชุมชน กรณีเสียงรบกวนจากการจราจรและสายการบินเสียงรบกวนจากการพาณิชย์การการบิน และการตรวจวัดการจราจรทางอากาศ ณ ม. 2565

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Approved by

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459305-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599080-22
Parameter Noise
Location กล้องนำทาง หมู่ 2 บ้านหนองละลอกใต้ จุดที่ 2 (ส.แม่ท่าเรือ) (N4) (จุดลำน้ำ) (GPS 47P 0744771, 1428891) (Shut down)
Measurement Date Nov 16 - 17, 2025
Measurement by Apichart Wilars
Sound Level Meter 531296

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	47.8	65.0	44.9
11:00 AM - 12:00 PM	46.7	66.5	46.9
12:00 PM - 01:00 PM	45.7	62.3	42.6
01:00 PM - 02:00 PM	46.6	65.6	44.0
02:00 PM - 03:00 PM	49.2	66.7	46.1
03:00 PM - 04:00 PM	52.7	86.9	47.4
04:00 PM - 05:00 PM	49.1	66.9	46.7
05:00 PM - 06:00 PM	49.2	69.6	46.2
06:00 PM - 07:00 PM	53.5	73.3	50.8
07:00 PM - 08:00 PM	49.4	77.8	47.8
08:00 PM - 09:00 PM	51.2	69.6	48.7
09:00 PM - 10:00 PM	47.0	66.0	45.2
10:00 PM - 10:05 PM	47.9	51.5	46.5
10:05 PM - 10:10 PM	48.1	52.3	46.0
10:10 PM - 10:15 PM	48.6	55.1	46.0
10:15 PM - 10:20 PM	47.0	52.9	43.7
10:20 PM - 10:25 PM	46.8	56.7	45.4
10:25 PM - 10:30 PM	46.0	52.8	44.6
10:30 PM - 10:35 PM	48.8	52.1	47.5
10:35 PM - 10:40 PM	48.1	47.4	47.4
10:40 PM - 10:45 PM	49.8	53.4	47.8
10:45 PM - 10:50 PM	49.3	52.8	47.5
10:50 PM - 10:55 PM	49.8	55.1	46.5
10:55 PM - 11:00 PM	48.3	52.3	46.3
11:00 PM - 11:05 PM	48.8	52.9	47.1
11:05 PM - 11:10 PM	49.6	53.9	47.1
11:10 PM - 11:15 PM	54.2	48.5	47.5
11:15 PM - 11:20 PM	50.2	54.1	48.0
11:20 PM - 11:25 PM	49.3	55.8	46.3
11:25 PM - 11:30 PM	49.3	53.9	46.2
11:30 PM - 11:35 PM	48.7	54.0	46.4
11:35 PM - 11:40 PM	49.6	54.4	47.1
11:40 PM - 11:45 PM	49.6	54.4	47.0
11:45 PM - 11:50 PM	49.6	56.9	47.3
11:50 PM - 11:55 PM	49.8	58.0	47.2
11:55 PM - 12:00 AM	50.3	59.1	47.2
12:00 AM - 12:05 AM	50.0	54.8	47.5
12:05 AM - 12:10 AM	50.4	50.4	47.8
12:10 AM - 12:15 AM	50.6	55.4	47.6
12:15 AM - 12:20 AM	49.9	54.9	47.2

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Life Sciences

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phusakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459305-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599080-22
Parameter Noise
Location กลุ่มาทางย 5 ำมาแ่งำไ (ส.แ่งำ) (N4) (GPS 47P 0744771, 1428891) (Shut down)
Measurement Date Nov 16 - 17, 2025
Measurement by Apichart Wilars
Sound Level Meter 531296

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:20 AM - 12:25 AM	49.4	54.6	45.9
12:25 AM - 12:30 AM	49.6	55.3	46.7
12:30 AM - 12:35 AM	50.2	59.8	47.6
12:35 AM - 12:40 AM	49.8	54.0	47.6
12:40 AM - 12:45 AM	49.9	54.9	47.7
12:45 AM - 12:50 AM	50.5	56.2	48.3
12:50 AM - 12:55 AM	50.7	56.7	48.2
12:55 AM - 01:00 AM	50.3	55.8	48.1
01:00 AM - 01:05 AM	50.0	55.9	47.4
01:05 AM - 01:10 AM	50.7	54.9	48.2
01:10 AM - 01:15 AM	51.0	55.4	48.2
01:15 AM - 01:20 AM	51.1	55.8	47.9
01:20 AM - 01:25 AM	51.2	55.4	48.1
01:25 AM - 01:30 AM	50.8	55.3	47.7
01:30 AM - 01:35 AM	50.0	55.0	47.4
01:35 AM - 01:40 AM	50.7	55.3	47.7
01:40 AM - 01:45 AM	49.8	54.2	47.0
01:45 AM - 01:50 AM	48.9	53.3	46.4
01:50 AM - 01:55 AM	49.6	54.8	46.6
01:55 AM - 02:00 AM	50.5	55.3	46.7
02:00 AM - 02:05 AM	50.0	55.3	47.6
02:05 AM - 02:10 AM	50.7	56.5	47.0
02:10 AM - 02:15 AM	50.4	55.3	46.9
02:15 AM - 02:20 AM	50.6	56.1	47.3
02:20 AM - 02:25 AM	50.1	56.8	47.1
02:25 AM - 02:30 AM	48.9	53.3	46.7
02:30 AM - 02:35 AM	48.9	53.8	46.6
02:35 AM - 02:40 AM	48.7	52.8	46.3
02:40 AM - 02:45 AM	48.5	53.5	45.9
02:45 AM - 02:50 AM	47.4	53.5	45.7
02:50 AM - 02:55 AM	46.2	51.8	45.1
02:55 AM - 03:00 AM	46.4	49.4	45.4
03:00 AM - 03:05 AM	46.4	50.2	45.2
03:05 AM - 03:10 AM	45.6	48.8	44.8
03:10 AM - 03:15 AM	45.7	48.9	44.8
03:15 AM - 03:20 AM	45.0	48.0	44.0
03:20 AM - 03:25 AM	45.8	48.8	44.8
03:25 AM - 03:30 AM	45.9	50.0	45.0
03:30 AM - 03:35 AM	46.6	50.8	45.7
03:35 AM - 03:40 AM	47.1	50.8	45.9

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LIFE SCIENCES

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phusakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459305-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample No. 2599080-22
Parameter Noise
Location กลุ่มาทางย 5 ำมาแ่งำไ (ส.แ่งำ) (N4) (GPS 47P 0744771, 1428891) (Shut down)
Measurement Date Nov 16 - 17, 2025
Measurement by Apichart Wilars
Sound Level Meter 531296

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	47.2	47.6	45.9
03:45 AM - 03:50 AM	46.3	48.7	45.7
03:50 AM - 03:55 AM	47.1	52.2	45.8
03:55 AM - 04:00 AM	46.8	53.0	45.7
04:00 AM - 04:05 AM	46.2	51.4	45.5
04:05 AM - 04:10 AM	46.3	51.3	45.5
04:10 AM - 04:15 AM	46.2	48.9	45.5
04:15 AM - 04:20 AM	47.6	52.3	45.9
04:20 AM - 04:25 AM	47.8	51.5	46.6
04:25 AM - 04:30 AM	47.7	51.0	46.4
04:30 AM - 04:35 AM	48.6	53.0	47.2
04:35 AM - 04:40 AM	47.4	49.3	46.9
04:40 AM - 04:45 AM	47.6	50.0	46.9
04:45 AM - 04:50 AM	47.6	49.9	47.1
04:50 AM - 04:55 AM	47.8	51.2	47.2
04:55 AM - 05:00 AM	47.7	50.8	46.9
05:00 AM - 05:05 AM	47.8	53.9	46.8
05:05 AM - 05:10 AM	48.6	52.0	47.0
05:10 AM - 05:15 AM	47.3	50.0	46.6
05:15 AM - 05:20 AM	47.8	54.1	46.8
05:20 AM - 05:25 AM	47.6	50.5	47.1
05:25 AM - 05:30 AM	48.2	52.2	47.4
05:30 AM - 05:35 AM	48.1	52.5	47.4
05:35 AM - 05:40 AM	48.1	61.2	46.9
05:40 AM - 05:45 AM	48.7	67.7	47.5
05:45 AM - 05:50 AM	47.9	53.1	47.2
05:50 AM - 05:55 AM	47.6	53.4	46.5
05:55 AM - 06:00 AM	47.5	54.4	46.5
06:00 AM - 07:00 AM	48.6	64.6	46.8
07:00 AM - 08:00 AM	49.1	66.1	46.1
08:00 AM - 09:00 AM	49.2	68.8	46.9
09:00 AM - 10:00 AM	50.0	66.9	47.6

Reference Method :

- ISO 1996-1
- ปฏิกิริยาและการควบคุมการควบคุมเสียงดัง (เสียงดัง) วิธีการตรวจวัดเสียงดังในสถานที่ทำงาน การควบคุมเสียงดังและการลดเสียงดังในที่ทำงาน การควบคุมเสียงดังและการลดเสียงดังในที่ทำงาน การควบคุมเสียงดังและการลดเสียงดังในที่ทำงาน

การควบคุมเสียงดังและการลดเสียงดังในที่ทำงาน และแบบฉบับการควบคุมเสียงดังในที่ทำงาน พ.ศ. 2565

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Approved by

Wilawan Borikar
Manager

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phusakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459306-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599080-23
Parameter Noise
Location กลุ่มาทางย 5 ำมาแ่งำไ (ส.แ่งำ) (N4) (GPS 47P 0744771, 1428891) (Shut down)
Measurement Date Nov 17 - 18, 2025
Measurement by Apichart Wilars
Sound Level Meter 531296

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	50.0	74.8	47.1
11:00 AM - 12:00 PM	49.6	65.7	46.6
12:00 PM - 01:00 PM	47.4	72.9	44.2
01:00 PM - 02:00 PM	51.8	79.2	48.6
02:00 PM - 03:00 PM	50.3	67.7	48.4
03:00 PM - 04:00 PM	51.3	66.6	48.6
04:00 PM - 05:00 PM	48.0	64.5	46.5
05:00 PM - 06:00 PM	47.0	62.9	45.3
06:00 PM - 07:00 PM	51.5	71.4	50.3
07:00 PM - 08:00 PM	51.0	68.9	50.0
08:00 PM - 09:00 PM	50.5	59.6	49.1
09:00 PM - 10:00 PM	49.3	58.6	47.9
10:00 PM - 10:05 PM	49.9	58.1	48.7
10:05 PM - 10:10 PM	49.9	59.4	48.2
10:10 PM - 10:15 PM	49.8	55.9	48.2
10:15 PM - 10:20 PM	50.4	55.6	48.7
10:20 PM - 10:25 PM	51.7	56.7	49.0
10:25 PM - 10:30 PM	51.8	59.2	48.4
10:30 PM - 10:35 PM	52.4	59.2	49.1
10:35 PM - 10:40 PM	52.0	58.2	48.9
10:40 PM - 10:45 PM	50.8	57.5	48.2
10:45 PM - 10:50 PM	50.4	56.1	48.8
10:50 PM - 10:55 PM	51.9	56.5	48.4
10:55 PM - 11:00 PM	50.3	55.4	48.2
11:00 PM - 11:05 PM	51.4	56.5	48.5
11:05 PM - 11:10 PM	52.1	56.9	48.5
11:10 PM - 11:15 PM	52.3	56.7	48.5
11:15 PM - 11:20 PM	51.5	56.8	48.0
11:20 PM - 11:25 PM	48.4	52.7	47.0
11:25 PM - 11:30 PM	49.2	52.3	48.0
11:30 PM - 11:35 PM	49.0	53.4	48.1
11:35 PM - 11:40 PM	48.9	53.4	47.9
11:40 PM - 11:45 PM	48.7	52.0	47.4
11:45 PM - 11:50 PM	49.8	53.9	47.4
11:50 PM - 11:55 PM	49.0	53.0	48.2
11:55 PM - 12:00 AM	51.5	72.1	47.3
12:00 AM - 12:05 AM	48.5	52.4	46.9
12:05 AM - 12:10 AM	48.6	51.6	47.4
12:10 AM - 12:15 AM	50.1	64.5	47.4
12:15 AM - 12:20 AM	48.0	51.1	46.6

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

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LIFE SCIENCES

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phusakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459306-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599080-23
Parameter Noise
Location กลุ่มาทางย 5 ำมาแ่งำไ (ส.แ่งำ) (N4) (GPS 47P 0744771, 1428891) (Shut down)
Measurement Date Nov 17 - 18, 2025
Measurement by Apichart Wilars
Sound Level Meter 531296

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:20 AM - 12:25 AM	47.4	53.2	46.0
12:25 AM - 12:30 AM	47.5	51.2	46.2
12:30 AM - 12:35 AM	47.9	52.6	46.5
12:35 AM - 12:40 AM	46.5	52.3	46.7
12:40 AM - 12:45 AM	49.6	54.6	47.1
12:45 AM - 12:50 AM	49.3	52.9	47.2
12:50 AM - 12:55 AM	49.6	53.0	47.5
12:55 AM - 01:00 AM	49.6	53.2	47.3
01:00 AM - 01:05 AM	49.9	54.0	47.3
01:05 AM - 01:10 AM	49.7	53.6	47.4
01:10 AM - 01:15 AM	50.5	53.8	48.9
01:15 AM - 01:20 AM	49.3	53.8	48.6
01:20 AM - 01:25 AM	50.0	60.2	48.2
01:25 AM - 01:30 AM	49.1	57.5	47.1
01:30 AM - 01:35 AM	47.8	52.0	46.5
01:35 AM - 01:40 AM	49.1	52.1	47.5
01:40 AM - 01:45 AM	49.1	52.2	47.5
01:45 AM - 01:50 AM	48.6	52.7	46.8
01:50 AM - 01:55 AM	48.2	51.9	46.9
01:55 AM - 02:00 AM	47.4	50.0	46.5
02:00 AM - 02:05 AM	47.8	52.1	46.6
02:05 AM - 02:10 AM	48.1	52.3	46.7
02:10 AM - 02:15 AM	48.6	59.4	46.4
02:15 AM - 02:20 AM	47.6	50.8	46.6
02:20 AM - 02:25 AM	47.5	50.4	46.4
02:25 AM - 02:30 AM	47.1	49.3	46.2
02:30 AM - 02:35 AM	47.0	49.9	46.3
02:35 AM - 02:40 AM	47.5	50.3	46.3
02:40 AM - 02:45 AM	47.3	52.3	46.0
02:45 AM - 02:50 AM	46.7	50.3	45.9
02:50 AM - 02:55 AM	46.4	49.7	45.7
02:55 AM - 03:00 AM	46.7	49.7	45.8
03:00 AM - 03:05 AM	45.9	51.4	45.1
03:05 AM - 03:10 AM	46.6	50.6	45.5
03:10 AM - 03:15 AM	47.0	57.6	45.6
03:15 AM - 03:20 AM	47.3	51.2	45.9
03:20 AM - 03:25 AM	47.1	50.6	45.6
03:25 AM - 03:30 AM	46.8	51.1	45.7
03:30 AM - 03:35 AM	46.6	50.6	45.7
03:35 AM - 03:40 AM	46.5	49.1	45.6

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Approved by

Wilawan Borikar
Manager

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LIFE SCIENCES

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459306-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599080-23
Parameter Noise
Location กลุ่มบ้านหมู่ 5 บ้านแม่ลำภูใหม่ (ส.แม่ลำภู) (N4) (จุดลำแสง) (GPS 47P 0744771, 1428891) (Shut down)
Measurement Date Nov 18 - 19, 2025
Measurement by Apichart Wilars
Sound Level Meter 531296

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	45.8	48.0	45.3
03:45 AM - 03:50 AM	46.1	48.0	45.4
03:50 AM - 03:55 AM	46.1	48.8	45.5
03:55 AM - 04:00 AM	45.9	48.5	45.7
04:00 AM - 04:05 AM	46.3	50.2	45.5
04:05 AM - 04:10 AM	46.1	49.2	45.4
04:10 AM - 04:15 AM	46.2	52.2	45.4
04:15 AM - 04:20 AM	46.1	48.2	45.4
04:20 AM - 04:25 AM	46.3	48.7	45.6
04:25 AM - 04:30 AM	46.5	53.1	45.6
04:30 AM - 04:35 AM	46.7	53.1	45.8
04:35 AM - 04:40 AM	46.5	49.1	45.7
04:40 AM - 04:45 AM	46.3	48.9	45.4
04:45 AM - 04:50 AM	46.6	48.9	45.9
04:50 AM - 04:55 AM	46.5	48.4	45.9
04:55 AM - 05:00 AM	46.5	51.0	45.9
05:00 AM - 05:05 AM	46.4	52.6	45.8
05:05 AM - 05:10 AM	47.1	53.0	46.3
05:10 AM - 05:15 AM	46.9	51.0	46.2
05:15 AM - 05:20 AM	46.9	49.9	46.3
05:20 AM - 05:25 AM	47.0	50.7	46.4
05:25 AM - 05:30 AM	47.4	55.2	46.5
05:30 AM - 05:35 AM	47.1	55.4	46.2
05:35 AM - 05:40 AM	47.4	61.6	46.5
05:40 AM - 05:45 AM	47.3	52.5	46.6
05:45 AM - 05:50 AM	47.5	49.9	46.8
05:50 AM - 05:55 AM	47.1	54.7	46.2
05:55 AM - 06:00 AM	47.4	52.2	46.6
06:00 AM - 07:00 AM	47.8	63.8	46.5
07:00 AM - 08:00 AM	46.9	57.7	45.6
08:00 AM - 09:00 AM	53.8	75.5	48.4
09:00 AM - 10:00 AM	55.9	80.9	50.8

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการกฤษฎีกาว่าด้วยหลักเกณฑ์และวิธีการมาตรฐานการตรวจวัดและรายงานระดับเสียงของกิจกรรมการก่อกวนทางเสียงจากการขนถ่ายสินค้าและการจราจรทางบก พ.ศ. 2565

Approved by

Wibab.

Wilawan Borikak
Manager

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Life Sciences

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459307-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599080-24
Parameter Noise
Location กลุ่มบ้านหมู่ 5 บ้านแม่ลำภูใหม่ (ส.แม่ลำภู) (N4) (จุดลำแสง) (GPS 47P 0744771, 1428891) (Shut down)
Measurement Date Nov 18 - 19, 2025
Measurement by Apichart Wilars
Sound Level Meter 531296

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	56.5	78.6	51.7
11:00 AM - 12:00 PM	48.6	63.8	45.8
12:00 PM - 01:00 PM	45.0	61.7	43.3
01:00 PM - 02:00 PM	50.7	77.7	47.7
02:00 PM - 03:00 PM	50.1	67.4	45.7
03:00 PM - 04:00 PM	49.2	65.5	46.8
04:00 PM - 05:00 PM	48.7	66.0	45.7
05:00 PM - 06:00 PM	47.2	66.9	45.2
06:00 PM - 07:00 PM	50.8	58.5	49.9
07:00 PM - 08:00 PM	50.1	61.9	48.7
08:00 PM - 09:00 PM	50.9	66.2	49.1
09:00 PM - 10:00 PM	52.4	72.3	50.0
10:00 PM - 10:05 PM	52.1	55.9	50.3
10:05 PM - 10:10 PM	51.0	66.0	48.2
10:10 PM - 10:15 PM	50.0	53.8	48.0
10:15 PM - 10:20 PM	49.4	53.7	47.4
10:20 PM - 10:25 PM	49.7	53.3	47.8
10:25 PM - 10:30 PM	50.0	54.5	47.9
10:30 PM - 10:35 PM	51.1	55.9	48.9
10:35 PM - 10:40 PM	50.6	56.2	48.7
10:40 PM - 10:45 PM	49.9	56.9	47.7
10:45 PM - 10:50 PM	49.8	57.4	47.8
10:50 PM - 10:55 PM	49.2	57.9	47.5
10:55 PM - 11:00 PM	50.4	58.7	48.1
11:00 PM - 11:05 PM	49.8	54.5	47.7
11:05 PM - 11:10 PM	50.3	55.3	48.0
11:10 PM - 11:15 PM	50.3	54.2	48.1
11:15 PM - 11:20 PM	49.9	54.8	48.0
11:20 PM - 11:25 PM	50.0	55.8	48.1
11:25 PM - 11:30 PM	50.1	57.7	48.3
11:30 PM - 11:35 PM	49.2	52.7	47.7
11:35 PM - 11:40 PM	48.4	54.9	47.0
11:40 PM - 11:45 PM	48.4	52.9	47.1
11:45 PM - 11:50 PM	48.9	54.2	47.6
11:50 PM - 11:55 PM	49.1	52.5	47.7
11:55 PM - 12:00 AM	49.8	54.4	47.9
12:00 AM - 12:05 AM	49.4	53.5	47.9
12:05 AM - 12:10 AM	49.9	57.3	48.2
12:10 AM - 12:15 AM	49.4	53.8	47.9
12:15 AM - 12:20 AM	50.2	56.1	48.4

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Wibab.

Wilawan Borikak
Manager

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Life Sciences

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459307-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599080-24
Parameter Noise
Location กลุ่มบ้านหมู่ 5 บ้านแม่ลำภูใหม่ (ส.แม่ลำภู) (N4) (จุดลำแสง) (GPS 47P 0744771, 1428891) (Shut down)
Measurement Date Nov 18 - 19, 2025
Measurement by Apichart Wilars
Sound Level Meter 531296

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:20 AM - 12:25 AM	49.1	52.4	48.0
12:25 AM - 12:30 AM	49.6	54.8	48.3
12:30 AM - 12:35 AM	49.2	54.8	48.1
12:35 AM - 12:40 AM	48.9	55.5	47.6
12:40 AM - 12:45 AM	48.5	53.2	47.3
12:45 AM - 12:50 AM	49.3	60.7	47.3
12:50 AM - 12:55 AM	49.5	54.3	47.8
12:55 AM - 01:00 AM	49.4	55.9	47.9
01:00 AM - 01:05 AM	50.1	59.4	48.0
01:05 AM - 01:10 AM	50.5	58.1	48.2
01:10 AM - 01:15 AM	49.7	53.6	47.9
01:15 AM - 01:20 AM	49.9	53.7	48.2
01:20 AM - 01:25 AM	51.1	54.8	49.4
01:25 AM - 01:30 AM	50.5	58.0	48.3
01:30 AM - 01:35 AM	50.0	58.2	48.5
01:35 AM - 01:40 AM	48.5	54.3	47.0
01:40 AM - 01:45 AM	46.5	53.0	45.6
01:45 AM - 01:50 AM	50.8	65.1	45.6
01:50 AM - 01:55 AM	52.2	64.9	47.6
01:55 AM - 02:00 AM	47.7	60.9	46.7
02:00 AM - 02:05 AM	52.7	78.3	47.5
02:05 AM - 02:10 AM	54.0	75.3	51.2
02:10 AM - 02:15 AM	54.1	73.9	51.0
02:15 AM - 02:20 AM	53.2	77.9	52.0
02:20 AM - 02:25 AM	51.9	69.1	47.9
02:25 AM - 02:30 AM	47.6	65.5	46.1
02:30 AM - 02:35 AM	48.1	57.0	46.8
02:35 AM - 02:40 AM	48.7	60.2	47.4
02:40 AM - 02:45 AM	49.0	60.0	47.4
02:45 AM - 02:50 AM	50.2	65.2	47.6
02:50 AM - 02:55 AM	48.4	53.1	47.4
02:55 AM - 03:00 AM	49.1	57.7	47.8
03:00 AM - 03:05 AM	49.4	58.9	48.0
03:05 AM - 03:10 AM	48.9	55.0	47.6
03:10 AM - 03:15 AM	48.6	53.2	47.6
03:15 AM - 03:20 AM	48.8	53.4	47.7
03:20 AM - 03:25 AM	49.3	53.8	47.3
03:25 AM - 03:30 AM	49.2	52.3	47.4
03:30 AM - 03:35 AM	48.3	52.6	46.6
03:35 AM - 03:40 AM	48.2	51.5	46.7

Approved by

Wibab.

Wilawan Borikak
Manager

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459307-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample No. 2599080-24
Parameter Noise
Location กลุ่มบ้านหมู่ 5 บ้านแม่ลำภูใหม่ (ส.แม่ลำภู) (N4) (จุดลำแสง) (GPS 47P 0744771, 1428891) (Shut down)
Measurement Date Nov 18 - 19, 2025
Measurement by Apichart Wilars
Sound Level Meter 531296

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	47.9	53.2	46.5
03:45 AM - 03:50 AM	46.8	48.5	46.1
03:50 AM - 03:55 AM	46.7	49.2	46.1
03:55 AM - 04:00 AM	48.1	58.4	46.4
04:00 AM - 04:05 AM	46.5	47.9	46.0
04:05 AM - 04:10 AM	46.6	50.2	45.9
04:10 AM - 04:15 AM	46.3	49.6	45.7
04:15 AM - 04:20 AM	47.5	56.1	46.1
04:20 AM - 04:25 AM	46.6	49.2	46.0
04:25 AM - 04:30 AM	46.5	49.6	46.0
04:30 AM - 04:35 AM	47.1	53.5	46.3
04:35 AM - 04:40 AM	47.0	49.7	46.3
04:40 AM - 04:45 AM	47.5	55.5	46.4
04:45 AM - 04:50 AM	48.3	55.6	46.5
04:50 AM - 04:55 AM	47.1	49.6	46.4
04:55 AM - 05:00 AM	47.5	55.2	46.7
05:00 AM - 05:05 AM	47.4	51.7	46.9
05:05 AM - 05:10 AM	47.6	51.0	47.0
05:10 AM - 05:15 AM	47.8	50.3	47.1
05:15 AM - 05:20 AM	48.0	54.4	47.3
05:20 AM - 05:25 AM	48.1	53.0	47.2
05:25 AM - 05:30 AM	48.2	52.3	47.4
05:30 AM - 05:35 AM	47.7	52.2	47.0
05:35 AM - 05:40 AM	48.3	55.6	46.9
05:40 AM - 05:45 AM	48.4	56.3	47.3
05:45 AM - 05:50 AM	49.9	67.4	47.9
05:50 AM - 05:55 AM	50.3	63.0	47.9
05:55 AM - 06:00 AM	50.4	59.6	48.7
06:00 AM - 07:00 AM	51.0	66.1	48.8
07:00 AM - 08:00 AM	52.0	74.0	49.8
08:00 AM - 09:00 AM	55.1	79.9	52.2
09:00 AM - 10:00 AM	57.5	79.1	54.0

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการกฤษฎีกาว่าด้วยหลักเกณฑ์และวิธีการมาตรฐานการตรวจวัดและรายงานระดับเสียงของกิจกรรมการก่อกวนทางเสียงจากการขนถ่ายสินค้าและการจราจรทางบก พ.ศ. 2565

Approved by

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Manager

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Life Sciences

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459308-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599080-25
Parameter Noise
Location กลุ่มบ้านหมู่ 5 บ้านแม่ลำภู (อ.แม่ลำภู) (N4) (พิกัดฯ) (GPS 47P 0744771, 1428891) (Shut down)
Measurement Date Nov 19 - 20, 2025
Measurement by Apichart Wilars
Sound Level Meter 531296

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	55.5	79.1	53.2
11:00 AM - 12:00 PM	57.8	78.0	54.6
12:00 PM - 01:00 PM	51.5	73.1	48.8
01:00 PM - 02:00 PM	58.6	82.7	54.4
02:00 PM - 03:00 PM	57.6	79.0	54.8
03:00 PM - 04:00 PM	56.0	76.7	52.4
04:00 PM - 05:00 PM	53.9	75.4	50.0
05:00 PM - 06:00 PM	49.0	61.2	46.8
06:00 PM - 07:00 PM	52.9	63.9	51.4
07:00 PM - 08:00 PM	51.5	68.1	50.9
08:00 PM - 09:00 PM	53.2	69.8	50.8
09:00 PM - 10:00 PM	52.1	64.5	49.8
10:00 PM - 10:05 PM	50.3	54.7	49.1
10:05 PM - 10:10 PM	50.3	55.2	49.1
10:10 PM - 10:15 PM	49.4	54.1	47.9
10:15 PM - 10:20 PM	48.9	53.1	47.7
10:20 PM - 10:25 PM	49.0	52.9	47.6
10:25 PM - 10:30 PM	48.6	52.7	47.4
10:30 PM - 10:35 PM	49.1	54.5	47.8
10:35 PM - 10:40 PM	49.9	60.4	47.8
10:40 PM - 10:45 PM	49.1	54.2	47.7
10:45 PM - 10:50 PM	51.2	70.3	48.0
10:50 PM - 10:55 PM	49.6	57.3	48.0
10:55 PM - 11:00 PM	48.8	51.8	47.5
11:00 PM - 11:05 PM	49.5	55.5	47.9
11:05 PM - 11:10 PM	48.9	54.9	47.6
11:10 PM - 11:15 PM	49.1	53.7	47.7
11:15 PM - 11:20 PM	49.0	54.0	47.6
11:20 PM - 11:25 PM	49.7	57.9	47.9
11:25 PM - 11:30 PM	49.1	59.6	47.9
11:30 PM - 11:35 PM	49.2	52.3	48.1
11:35 PM - 11:40 PM	50.0	57.5	48.6
11:40 PM - 11:45 PM	51.3	57.8	49.2
11:45 PM - 11:50 PM	50.3	58.3	48.8
11:50 PM - 11:55 PM	51.5	60.8	49.5
11:55 PM - 12:00 AM	50.6	55.5	49.1
12:00 AM - 12:05 AM	52.3	62.0	49.4
12:05 AM - 12:10 AM	50.2	59.2	48.3
12:10 AM - 12:15 AM	50.0	64.4	48.2
12:15 AM - 12:20 AM	49.7	59.9	47.9

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Approved by

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Wilawan Borikak
Manager

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LIFE SCIENCES

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459308-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599080-25
Parameter Noise
Location กลุ่มบ้านหมู่ 5 บ้านแม่ลำภู (อ.แม่ลำภู) (N4) (พิกัดฯ) (GPS 47P 0744771, 1428891) (Shut down)
Measurement Date Nov 19 - 20, 2025
Measurement by Apichart Wilars
Sound Level Meter 531296

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:20 AM - 12:25 AM	49.8	59.6	48.2
12:25 AM - 12:30 AM	49.9	59.7	48.5
12:30 AM - 12:35 AM	50.2	59.8	48.2
12:35 AM - 12:40 AM	50.1	61.9	48.4
12:40 AM - 12:45 AM	48.8	52.9	47.5
12:45 AM - 12:50 AM	48.1	53.1	46.9
12:50 AM - 12:55 AM	48.5	54.7	47.2
12:55 AM - 01:00 AM	48.4	54.1	46.9
01:00 AM - 01:05 AM	48.6	55.9	47.0
01:05 AM - 01:10 AM	48.3	52.2	47.1
01:10 AM - 01:15 AM	48.7	56.5	47.3
01:15 AM - 01:20 AM	48.7	59.1	46.4
01:20 AM - 01:25 AM	48.2	58.1	46.3
01:25 AM - 01:30 AM	49.2	62.2	47.2
01:30 AM - 01:35 AM	49.9	57.6	47.7
01:35 AM - 01:40 AM	49.5	58.8	47.5
01:40 AM - 01:45 AM	48.0	54.2	46.7
01:45 AM - 01:50 AM	48.4	60.7	46.5
01:50 AM - 01:55 AM	48.9	56.3	47.2
01:55 AM - 02:00 AM	48.0	54.0	46.8
02:00 AM - 02:05 AM	48.7	51.1	47.1
02:05 AM - 02:10 AM	48.4	54.7	47.2
02:10 AM - 02:15 AM	48.6	52.1	47.3
02:15 AM - 02:20 AM	48.1	53.1	47.2
02:20 AM - 02:25 AM	49.0	57.9	47.2
02:25 AM - 02:30 AM	49.0	56.6	47.6
02:30 AM - 02:35 AM	48.6	52.9	47.5
02:35 AM - 02:40 AM	50.3	61.4	48.0
02:40 AM - 02:45 AM	50.7	60.7	48.2
02:45 AM - 02:50 AM	51.1	62.3	47.9
02:50 AM - 02:55 AM	49.6	60.7	47.4
02:55 AM - 03:00 AM	50.6	61.7	48.1
03:00 AM - 03:05 AM	51.9	63.1	48.5
03:05 AM - 03:10 AM	51.7	69.6	49.3
03:10 AM - 03:15 AM	51.8	69.8	48.9
03:15 AM - 03:20 AM	51.1	61.5	47.9
03:20 AM - 03:25 AM	50.8	58.6	48.3
03:25 AM - 03:30 AM	51.6	62.6	48.8
03:30 AM - 03:35 AM	51.2	59.2	47.8
03:35 AM - 03:40 AM	50.4	58.6	46.8

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LIFE SCIENCES

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459308-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample No. 2599080-25
Parameter Noise
Location กลุ่มบ้านหมู่ 5 บ้านแม่ลำภู (อ.แม่ลำภู) (N4) (พิกัดฯ) (GPS 47P 0744771, 1428891) (Shut down)
Measurement Date Nov 19 - 20, 2025
Measurement by Apichart Wilars
Sound Level Meter 531296

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	50.4	58.6	47.0
03:45 AM - 03:50 AM	50.3	55.0	47.1
03:50 AM - 03:55 AM	47.5	53.3	45.9
03:55 AM - 04:00 AM	46.5	66.7	46.3
04:00 AM - 04:05 AM	47.8	56.1	46.1
04:05 AM - 04:10 AM	48.6	60.1	46.4
04:10 AM - 04:15 AM	47.9	54.6	45.8
04:15 AM - 04:20 AM	47.9	58.0	45.6
04:20 AM - 04:25 AM	46.7	53.3	45.4
04:25 AM - 04:30 AM	46.2	57.5	45.0
04:30 AM - 04:35 AM	47.4	57.0	45.9
04:35 AM - 04:40 AM	47.6	53.9	45.7
04:40 AM - 04:45 AM	46.7	53.2	45.0
04:45 AM - 04:50 AM	47.6	54.7	46.0
04:50 AM - 04:55 AM	47.6	52.2	46.5
04:55 AM - 05:00 AM	48.9	63.3	46.3
05:00 AM - 05:05 AM	47.3	57.7	45.7
05:05 AM - 05:10 AM	46.6	52.8	45.5
05:10 AM - 05:15 AM	46.9	53.3	45.7
05:15 AM - 05:20 AM	47.0	50.7	45.9
05:20 AM - 05:25 AM	47.8	57.2	46.3
05:25 AM - 05:30 AM	47.6	52.3	46.2
05:30 AM - 05:35 AM	48.4	57.8	46.5
05:35 AM - 05:40 AM	48.5	61.9	46.7
05:40 AM - 05:45 AM	47.1	56.6	46.0
05:45 AM - 05:50 AM	47.0	55.8	46.0
05:50 AM - 05:55 AM	47.1	53.8	46.1
05:55 AM - 06:00 AM	47.6	58.2	46.4
06:00 AM - 07:00 AM	48.4	59.6	47.0
07:00 AM - 08:00 AM	49.9	62.4	48.1
08:00 AM - 09:00 AM	54.9	70.8	52.3
09:00 AM - 10:00 AM	54.5	75.5	52.0

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงในชุมชน กรณีเสียงรบกวนจากการจราจรและยานพาหนะเสียงรบกวนจากการพาณิชย์และการขนถ่าย และกรณีอื่นที่การตรวจวัดเสียงตาม พ.ร. 2565

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459309-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599080-26
Parameter Noise
Location กลุ่มบ้านหมู่ 5 บ้านแม่ลำภู (อ.แม่ลำภู) (N4) (พิกัดฯ) (GPS 47P 0744771, 1428891) (Shut down)
Measurement Date Nov 20 - 21, 2025
Measurement by Apichart Wilars
Sound Level Meter 531296

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	55.1	79.7	52.2
11:00 AM - 12:00 PM	54.8	73.2	51.7
12:00 PM - 01:00 PM	51.2	71.2	47.1
01:00 PM - 02:00 PM	55.9	79.5	52.7
02:00 PM - 03:00 PM	57.1	74.9	53.9
03:00 PM - 04:00 PM	57.5	80.2	54.4
04:00 PM - 05:00 PM	57.6	80.9	53.8
05:00 PM - 06:00 PM	49.2	68.8	46.8
06:00 PM - 07:00 PM	51.5	64.4	49.8
07:00 PM - 08:00 PM	50.8	63.7	48.9
08:00 PM - 09:00 PM	50.4	65.2	48.1
09:00 PM - 10:00 PM	48.3	56.1	46.5
10:00 PM - 10:05 PM	48.8	56.6	46.8
10:05 PM - 10:10 PM	49.1	55.4	46.8
10:10 PM - 10:15 PM	48.4	55.0	46.4
10:15 PM - 10:20 PM	48.0	58.7	46.0
10:20 PM - 10:25 PM	47.8	53.4	46.0
10:25 PM - 10:30 PM	48.8	55.4	46.7
10:30 PM - 10:35 PM	49.8	57.4	47.0
10:35 PM - 10:40 PM	49.5	54.3	46.7
10:40 PM - 10:45 PM	49.6	54.8	46.7
10:45 PM - 10:50 PM	49.6	54.3	46.8
10:50 PM - 10:55 PM	49.7	51.6	46.1
10:55 PM - 11:00 PM	48.6	53.5	46.1
11:00 PM - 11:05 PM	48.3	54.9	45.7
11:05 PM - 11:10 PM	49.4	54.0	46.3
11:10 PM - 11:15 PM	48.8	53.7	46.0
11:15 PM - 11:20 PM	49.3	53.8	46.2
11:20 PM - 11:25 PM	49.0	61.0	45.9
11:25 PM - 11:30 PM	48.4	53.5	46.0
11:30 PM - 11:35 PM	47.9	54.3	45.6
11:35 PM - 11:40 PM	48.7	54.0	46.3
11:40 PM - 11:45 PM	47.4	51.4	46.4
11:45 PM - 11:50 PM	47.4	51.5	46.1
11:50 PM - 11:55 PM	47.8	52.4	45.9
11:55 PM - 12:00 AM	47.9	51.7	46.2
12:00 AM - 12:05 AM	47.7	51.3	46.2
12:05 AM - 12:10 AM	47.6	52.4	46.0
12:10 AM - 12:15 AM	47.7	52.8	46.3
12:15 AM - 12:20 AM	47.7	50.8	46.2

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Analysis / Test Report

TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459309-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599080-26
Parameter Noise
Location กลุ่มบ้านอยู่ 5 บ้านแม่จันทน์ (อ.แม่จันทน์) (N4) (GPS 47P 0744771, 1428891) (Shut down)
Measurement Date Nov 20 - 21, 2025
Measurement by Apichart Wilars
Sound Level Meter 531296

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	47.7	52.7	46.2
12:35 AM - 12:40 AM	47.3	52.1	45.7
12:40 AM - 12:45 AM	46.9	51.3	45.4
12:45 AM - 12:50 AM	46.2	50.5	45.4
12:50 AM - 12:55 AM	46.2	50.3	45.0
12:55 AM - 01:00 AM	47.1	54.0	45.0
01:00 AM - 01:05 AM	47.5	50.5	46.2
01:05 AM - 01:10 AM	48.2	50.8	46.8
01:10 AM - 01:15 AM	46.3	50.0	47.4
01:15 AM - 01:20 AM	45.8	48.8	45.1
01:20 AM - 01:25 AM	45.8	52.1	44.7
01:25 AM - 01:30 AM	46.1	51.5	44.1
01:30 AM - 01:35 AM	46.4	51.9	44.9
01:35 AM - 01:40 AM	45.0	49.7	44.1
01:40 AM - 01:45 AM	45.5	54.3	44.4
01:45 AM - 01:50 AM	45.8	52.1	44.8
01:50 AM - 01:55 AM	46.1	51.2	44.9
01:55 AM - 02:00 AM	46.4	49.3	45.3
02:00 AM - 02:05 AM	46.7	50.1	45.5
02:05 AM - 02:10 AM	44.7	49.9	43.1
02:10 AM - 02:15 AM	45.3	48.7	43.1
02:15 AM - 02:20 AM	46.5	52.3	45.1
02:20 AM - 02:25 AM	47.1	53.2	45.4
02:25 AM - 02:30 AM	47.2	53.0	45.8
02:30 AM - 02:35 AM	47.7	55.0	46.0
02:35 AM - 02:40 AM	48.2	52.2	46.2
02:40 AM - 02:45 AM	47.9	54.4	46.3
02:45 AM - 02:50 AM	47.6	52.0	45.8
02:50 AM - 02:55 AM	47.7	55.6	46.2
02:55 AM - 03:00 AM	49.7	62.7	47.3
03:00 AM - 03:05 AM	48.8	56.4	46.8
03:05 AM - 03:10 AM	47.4	52.1	46.3
03:10 AM - 03:15 AM	48.2	56.0	46.8
03:15 AM - 03:20 AM	48.4	54.3	46.9
03:20 AM - 03:25 AM	47.8	54.9	46.5
03:25 AM - 03:30 AM	49.4	56.4	48.4
03:30 AM - 03:35 AM	49.4	59.6	46.8
03:35 AM - 03:40 AM	47.6	54.8	46.1

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Analysis / Test Report

TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459309-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample No. 2599080-26
Parameter Noise
Location กลุ่มบ้านอยู่ 5 บ้านแม่จันทน์ (อ.แม่จันทน์) (N4) (GPS 47P 0744771, 1428891) (Shut down)
Measurement Date Nov 20 - 21, 2025
Measurement by Apichart Wilars
Sound Level Meter 531296

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	47.5	57.6	46.0
03:45 AM - 03:50 AM	48.1	59.1	46.7
03:50 AM - 03:55 AM	48.5	62.6	46.3
03:55 AM - 04:00 AM	47.5	55.3	46.2
04:00 AM - 04:05 AM	47.4	52.4	46.1
04:05 AM - 04:10 AM	47.3	51.9	46.2
04:10 AM - 04:15 AM	47.8	53.9	46.4
04:15 AM - 04:20 AM	48.0	54.8	46.4
04:20 AM - 04:25 AM	47.9	57.3	46.7
04:25 AM - 04:30 AM	48.5	55.4	46.7
04:30 AM - 04:35 AM	48.0	57.4	46.6
04:35 AM - 04:40 AM	49.7	59.7	47.4
04:40 AM - 04:45 AM	50.7	58.2	48.5
04:45 AM - 04:50 AM	51.4	57.6	47.6
04:50 AM - 04:55 AM	52.0	62.9	49.4
04:55 AM - 05:00 AM	52.5	62.8	49.4
05:00 AM - 05:05 AM	51.2	62.3	49.2
05:05 AM - 05:10 AM	51.6	63.4	48.7
05:10 AM - 05:15 AM	51.0	59.0	48.2
05:15 AM - 05:20 AM	51.4	60.4	48.8
05:20 AM - 05:25 AM	53.0	68.1	48.7
05:25 AM - 05:30 AM	51.1	63.7	47.8
05:30 AM - 05:35 AM	49.1	57.7	46.7
05:35 AM - 05:40 AM	50.8	58.1	47.8
05:40 AM - 05:45 AM	48.4	60.8	46.6
05:45 AM - 05:50 AM	49.8	61.2	47.9
05:50 AM - 05:55 AM	50.7	60.3	48.0
05:55 AM - 06:00 AM	51.6	64.8	48.7
06:00 AM - 07:00 AM	53.3	68.0	50.2
07:00 AM - 08:00 AM	58.8	65.2	48.6
08:00 AM - 09:00 AM	56.7	74.4	53.4
09:00 AM - 10:00 AM	56.5	80.6	53.4

Reference Method :

- ISO 1996-1
- ประเภทผลการตรวจวัดมลพิษเสียง เรื่อง วิธีการตรวจวัดระดับเสียงในสถานประกอบการ การตรวจวัดและคำนวณระดับเสียงตามวิธีการมาตรฐาน การคำนวณการเปลี่ยนแปลงระดับเสียงตามวิธีการมาตรฐาน การคำนวณการเปลี่ยนแปลงระดับเสียงตามวิธีการมาตรฐาน พ.ศ. 2565

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Analysis / Test Report

TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459310-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599080-27
Parameter Noise
Location กลุ่มบ้านอยู่ 5 บ้านแม่จันทน์ (อ.แม่จันทน์) (N4) (GPS 47P 0744771, 1428891) (Shut down)
Measurement Date Nov 21 - 22, 2025
Measurement by Apichart Wilars
Sound Level Meter 531296

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	56.8	74.5	54.0
11:00 AM - 12:00 PM	56.5	78.1	53.4
12:00 PM - 01:00 PM	54.9	75.6	51.4
01:00 PM - 02:00 PM	54.1	78.6	50.9
02:00 PM - 03:00 PM	54.1	69.8	50.9
03:00 PM - 04:00 PM	54.4	74.3	51.7
04:00 PM - 05:00 PM	54.7	77.6	51.8
05:00 PM - 06:00 PM	49.5	62.3	47.5
06:00 PM - 07:00 PM	51.5	64.7	50.1
07:00 PM - 08:00 PM	50.7	64.3	49.2
08:00 PM - 09:00 PM	51.0	64.1	49.2
09:00 PM - 10:00 PM	49.2	58.2	47.8
10:00 PM - 10:05 PM	48.7	58.5	47.4
10:05 PM - 10:10 PM	48.4	56.4	47.2
10:10 PM - 10:15 PM	49.1	52.6	47.8
10:15 PM - 10:20 PM	49.4	60.2	47.8
10:20 PM - 10:25 PM	49.6	53.1	48.0
10:25 PM - 10:30 PM	49.8	52.8	48.1
10:30 PM - 10:35 PM	49.8	52.6	47.9
10:35 PM - 10:40 PM	49.7	52.5	47.9
10:40 PM - 10:45 PM	50.1	53.9	48.3
10:45 PM - 10:50 PM	50.1	55.7	47.6
10:50 PM - 10:55 PM	49.6	53.0	47.9
10:55 PM - 11:00 PM	49.4	52.7	48.2
11:00 PM - 11:05 PM	48.7	53.3	47.0
11:05 PM - 11:10 PM	46.9	56.1	44.6
11:10 PM - 11:15 PM	47.8	51.4	45.9
11:15 PM - 11:20 PM	47.3	51.2	46.1
11:20 PM - 11:25 PM	47.7	51.1	46.2
11:25 PM - 11:30 PM	47.2	58.4	45.3
11:30 PM - 11:35 PM	47.5	55.1	45.4
11:35 PM - 11:40 PM	47.0	54.4	45.2
11:40 PM - 11:45 PM	47.1	56.7	45.1
11:45 PM - 11:50 PM	46.8	55.2	45.2
11:50 PM - 11:55 PM	47.1	59.0	45.3
11:55 PM - 12:00 AM	46.1	52.2	44.8
12:00 AM - 12:05 AM	46.8	51.6	44.9
12:05 AM - 12:10 AM	45.7	51.8	44.5
12:10 AM - 12:15 AM	45.2	47.9	44.2
12:15 AM - 12:20 AM	46.1	54.6	44.9

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Life Sciences

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Analysis / Test Report

TESTING
No. 0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459310-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599080-27
Parameter Noise
Location กลุ่มบ้านอยู่ 5 บ้านแม่จันทน์ (อ.แม่จันทน์) (N4) (GPS 47P 0744771, 1428891) (Shut down)
Measurement Date Nov 21 - 22, 2025
Measurement by Apichart Wilars
Sound Level Meter 531296

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:20 AM - 12:25 AM	45.6	55.6	45.1
12:25 AM - 12:30 AM	45.5	49.4	44.5
12:30 AM - 12:35 AM	46.3	54.0	44.8
12:35 AM - 12:40 AM	46.0	56.0	44.8
12:40 AM - 12:45 AM	47.5	56.0	45.5
12:45 AM - 12:50 AM	46.1	50.9	44.6
12:50 AM - 12:55 AM	46.3	52.7	44.6
12:55 AM - 01:00 AM	46.0	50.4	44.4
01:00 AM - 01:05 AM	46.6	50.8	44.8
01:05 AM - 01:10 AM	47.6	57.1	45.0
01:10 AM - 01:15 AM	46.7	51.8	44.5
01:15 AM - 01:20 AM	46.3	51.9	44.6
01:20 AM - 01:25 AM	45.7	49.3	44.3
01:25 AM - 01:30 AM	46.3	50.8	44.8
01:30 AM - 01:35 AM	46.4	54.1	44.8
01:35 AM - 01:40 AM	46.3	50.8	44.8
01:40 AM - 01:45 AM	46.2	54.2	44.6
01:45 AM - 01:50 AM	45.4	50.8	44.4
01:50 AM - 01:55 AM	45.5	50.6	44.5
01:55 AM - 02:00 AM	46.0	56.5	44.6
02:00 AM - 02:05 AM	45.1	53.2	44.1
02:05 AM - 02:10 AM	45.4	49.6	44.2
02:10 AM - 02:15 AM	45.9	50.5	44.5
02:15 AM - 02:20 AM	45.8	50.7	44.4
02:20 AM - 02:25 AM	46.6	57.5	45.0
02:25 AM - 02:30 AM	47.3	61.6	44.6
02:30 AM - 02:35 AM	46.2	60.1	44.5
02:35 AM - 02:40 AM	45.1	49.7	44.1
02:40 AM - 02:45 AM	45.6	50.9	44.5
02:45 AM - 02:50 AM	45.6	55.1	44.3
02:50 AM - 02:55 AM	46.5	58.4	45.0
02:55 AM - 03:00 AM	46.8	53.4	44.5
03:00 AM - 03:05 AM	45.3	50.6	44.1
03:05 AM - 03:10 AM	46.8	52.6	44.8
03:10 AM - 03:15 AM	46.5	49.0	44.3
03:15 AM - 03:20 AM	46.6	54.6	45.2
03:20 AM - 03:25 AM	47.0	52.8	45.2
03:25 AM - 03:30 AM	47.3	55.0	45.4
03:30 AM - 03:35 AM	47.1	51.5	45.4
03:35 AM - 03:40 AM	46.6	49.8	44.7

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Life Sciences

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459310-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599080-27
Parameter Noise
Location กลุ่มบ้านหมู่ 5 บ้านแม่ลำภูใหม่ (ส.แม่ลำภู) (N4) (GPS 47P 0744771, 1428891) (Shut down)
Measurement Date Nov 22 - 23, 2025
Measurement by Apichart Wilars
Sound Level Meter 531296

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	46.9	53.1	45.2
03:45 AM - 03:50 AM	47.4	53.1	45.5
03:50 AM - 03:55 AM	46.8	52.6	45.1
03:55 AM - 04:00 AM	47.0	54.5	45.2
04:00 AM - 04:05 AM	47.6	55.5	45.4
04:05 AM - 04:10 AM	46.9	55.0	45.5
04:10 AM - 04:15 AM	46.3	49.1	45.1
04:15 AM - 04:20 AM	46.1	49.4	44.9
04:20 AM - 04:25 AM	46.4	53.4	44.9
04:25 AM - 04:30 AM	46.3	50.9	45.0
04:30 AM - 04:35 AM	46.7	53.6	45.2
04:35 AM - 04:40 AM	46.8	53.7	45.5
04:40 AM - 04:45 AM	46.3	52.9	45.3
04:45 AM - 04:50 AM	46.2	51.2	45.1
04:50 AM - 04:55 AM	45.7	48.6	44.8
04:55 AM - 05:00 AM	46.6	56.0	45.2
05:00 AM - 05:05 AM	46.5	55.0	45.1
05:05 AM - 05:10 AM	46.6	54.3	45.5
05:10 AM - 05:15 AM	48.2	58.4	46.3
05:15 AM - 05:20 AM	48.4	57.3	46.6
05:20 AM - 05:25 AM	48.5	54.7	46.5
05:25 AM - 05:30 AM	49.4	58.8	47.6
05:30 AM - 05:35 AM	49.0	58.8	46.2
05:35 AM - 05:40 AM	46.8	50.9	45.8
05:40 AM - 05:45 AM	46.6	54.3	45.6
05:45 AM - 05:50 AM	46.5	50.5	45.5
05:50 AM - 05:55 AM	48.0	56.9	46.3
05:55 AM - 06:00 AM	48.7	53.4	47.0
06:00 AM - 07:00 AM	47.7	58.5	46.3
07:00 AM - 08:00 AM	48.9	62.6	46.6
08:00 AM - 09:00 AM	54.8	77.9	52.8
09:00 AM - 10:00 AM	55.5	74.0	52.8

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการมาตรฐานผลิตภัณฑ์ สิ่ง สิ่ง วิชาการว่าด้วยระบบเสียงที่ชุมชน ระดับเสียงขณะดำเนินการขนาน การตรวจวัดและคำนวณระดับเสียงขณะดำเนินการขนาน การคำนวณการรบกวนการขนาน และแนวปฏิบัติในการตรวจวัดเสียงรบกวน พ.ศ. 2565

Approved by

Wibab.
Wilawan Borikak
Manager

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Life Sciences

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459311-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599080-28
Parameter Noise
Location กลุ่มบ้านหมู่ 5 บ้านแม่ลำภูใหม่ (ส.แม่ลำภู) (N4) (GPS 47P 0744771, 1428891) (Shut down)
Measurement Date Nov 22 - 23, 2025
Measurement by Apichart Wilars
Sound Level Meter 531296

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	57.3	76.5	54.3
11:00 AM - 12:00 PM	55.3	75.3	52.2
12:00 PM - 01:00 PM	49.9	73.7	46.5
01:00 PM - 02:00 PM	54.8	76.1	52.0
02:00 PM - 03:00 PM	56.5	80.5	53.1
03:00 PM - 04:00 PM	55.3	80.0	51.4
04:00 PM - 05:00 PM	54.9	79.3	51.6
05:00 PM - 06:00 PM	47.2	59.4	45.4
06:00 PM - 07:00 PM	52.8	62.9	51.6
07:00 PM - 08:00 PM	52.0	66.1	50.7
08:00 PM - 09:00 PM	50.9	64.2	49.7
09:00 PM - 10:00 PM	50.2	64.5	48.1
10:00 PM - 10:05 PM	49.1	54.4	46.4
10:05 PM - 10:10 PM	49.5	55.4	47.2
10:10 PM - 10:15 PM	50.1	57.8	47.2
10:15 PM - 10:20 PM	48.5	53.0	46.2
10:20 PM - 10:25 PM	47.3	54.3	46.2
10:25 PM - 10:30 PM	48.1	53.6	47.0
10:30 PM - 10:35 PM	48.5	60.6	46.7
10:35 PM - 10:40 PM	47.7	53.4	46.4
10:40 PM - 10:45 PM	48.3	57.6	47.1
10:45 PM - 10:50 PM	47.2	51.0	45.6
10:50 PM - 10:55 PM	46.9	58.2	45.1
10:55 PM - 11:00 PM	52.6	75.0	45.4
11:00 PM - 11:05 PM	47.9	52.4	46.2
11:05 PM - 11:10 PM	47.8	53.8	46.3
11:10 PM - 11:15 PM	47.9	51.3	46.3
11:15 PM - 11:20 PM	47.8	52.0	46.2
11:20 PM - 11:25 PM	47.7	51.0	46.4
11:25 PM - 11:30 PM	46.7	51.4	45.6
11:30 PM - 11:35 PM	46.8	51.5	45.7
11:35 PM - 11:40 PM	47.4	58.4	45.9
11:40 PM - 11:45 PM	47.1	53.8	45.6
11:45 PM - 11:50 PM	46.6	50.3	45.5
11:50 PM - 11:55 PM	45.5	53.5	45.0
11:55 PM - 12:00 AM	46.9	51.7	45.4
12:00 AM - 12:05 AM	47.5	51.7	45.7
12:05 AM - 12:10 AM	48.5	52.0	46.5
12:10 AM - 12:15 AM	48.5	59.0	46.0
12:15 AM - 12:20 AM	49.0	53.1	46.4

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459311-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599080-28
Parameter Noise
Location กลุ่มบ้านหมู่ 5 บ้านแม่ลำภูใหม่ (ส.แม่ลำภู) (N4) (GPS 47P 0744771, 1428891) (Shut down)
Measurement Date Nov 22 - 23, 2025
Measurement by Apichart Wilars
Sound Level Meter 531296

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:20 AM - 12:25 AM	47.8	53.1	46.0
12:25 AM - 12:30 AM	46.9	50.1	45.6
12:30 AM - 12:35 AM	47.6	56.3	45.8
12:35 AM - 12:40 AM	47.1	51.6	45.9
12:40 AM - 12:45 AM	46.8	54.6	45.7
12:45 AM - 12:50 AM	46.8	56.4	45.2
12:50 AM - 12:55 AM	47.2	51.8	45.8
12:55 AM - 01:00 AM	47.7	50.8	46.3
01:00 AM - 01:05 AM	47.1	51.0	45.6
01:05 AM - 01:10 AM	47.1	50.1	45.8
01:10 AM - 01:15 AM	46.6	50.0	45.3
01:15 AM - 01:20 AM	46.5	49.1	45.5
01:20 AM - 01:25 AM	46.3	49.4	45.1
01:25 AM - 01:30 AM	45.9	50.3	44.6
01:30 AM - 01:35 AM	45.7	44.7	44.7
01:35 AM - 01:40 AM	45.6	48.4	44.6
01:40 AM - 01:45 AM	46.2	55.4	45.0
01:45 AM - 01:50 AM	47.5	51.4	45.1
01:50 AM - 01:55 AM	47.4	58.1	45.6
01:55 AM - 02:00 AM	46.8	50.1	45.5
02:00 AM - 02:05 AM	46.2	49.0	45.2
02:05 AM - 02:10 AM	46.4	49.4	45.3
02:10 AM - 02:15 AM	46.3	49.9	45.1
02:15 AM - 02:20 AM	46.3	54.5	44.8
02:20 AM - 02:25 AM	46.7	50.4	45.1
02:25 AM - 02:30 AM	46.6	50.8	44.5
02:30 AM - 02:35 AM	46.4	54.6	44.0
02:35 AM - 02:40 AM	45.5	51.8	44.4
02:40 AM - 02:45 AM	45.2	48.8	44.3
02:45 AM - 02:50 AM	45.0	47.2	44.4
02:50 AM - 02:55 AM	44.9	47.7	44.2
02:55 AM - 03:00 AM	45.1	45.4	44.3
03:00 AM - 03:05 AM	45.5	50.0	44.6
03:05 AM - 03:10 AM	44.9	47.0	44.3
03:10 AM - 03:15 AM	44.6	47.6	43.8
03:15 AM - 03:20 AM	45.7	57.9	44.0
03:20 AM - 03:25 AM	45.2	50.1	44.2
03:25 AM - 03:30 AM	45.2	48.1	44.2
03:30 AM - 03:35 AM	45.6	55.0	44.5
03:35 AM - 03:40 AM	45.6	49.7	44.5

Approved by

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Wilawan Borikak
Manager

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459311-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample No. 2599080-28
Parameter Noise
Location กลุ่มบ้านหมู่ 5 บ้านแม่ลำภูใหม่ (ส.แม่ลำภู) (N4) (GPS 47P 0744771, 1428891) (Shut down)
Measurement Date Nov 22 - 23, 2025
Measurement by Apichart Wilars
Sound Level Meter 531296

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	45.6	54.5	44.2
03:45 AM - 03:50 AM	44.8	53.0	44.0
03:50 AM - 03:55 AM	45.9	61.7	44.5
03:55 AM - 04:00 AM	45.9	58.4	44.4
04:00 AM - 04:05 AM	44.8	49.7	44.0
04:05 AM - 04:10 AM	44.7	49.1	44.0
04:10 AM - 04:15 AM	45.4	62.5	44.1
04:15 AM - 04:20 AM	44.7	51.8	43.8
04:20 AM - 04:25 AM	45.4	49.5	43.9
04:25 AM - 04:30 AM	44.9	48.4	44.3
04:30 AM - 04:35 AM	45.2	51.4	44.4
04:35 AM - 04:40 AM	45.7	53.1	44.5
04:40 AM - 04:45 AM	45.6	54.6	44.7
04:45 AM - 04:50 AM	45.2	54.2	45.1
04:50 AM - 04:55 AM	45.9	53.2	45.0
04:55 AM - 05:00 AM	45.4	47.3	44.9
05:00 AM - 05:05 AM	45.5	48.2	44.8
05:05 AM - 05:10 AM	45.8	52.3	45.7
05:10 AM - 05:15 AM	45.5	55.0	44.6
05:15 AM - 05:20 AM	45.7	50.4	45.0
05:20 AM - 05:25 AM	46.0	50.0	45.2
05:25 AM - 05:30 AM	46.2	50.0	45.3
05:30 AM - 05:35 AM	46.9	51.3	45.8
05:35 AM - 05:40 AM	46.4	50.8	45.4
05:40 AM - 05:45 AM	46.6	52.4	45.7
05:45 AM - 05:50 AM	46.8	53.9	45.7
05:50 AM - 05:55 AM	47.3	57.9	46.3
05:55 AM - 06:00 AM	47.8	53.8	46.4
06:00 AM - 07:00 AM	47.7	64.0	46.1
07:00 AM - 08:00 AM	47.5	60.0	45.9
08:00 AM - 09:00 AM	53.9	74.9	49.1
09:00 AM - 10:00 AM	50.6	74.0	48.0

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการมาตรฐานผลิตภัณฑ์ สิ่ง สิ่ง วิชาการว่าด้วยระบบเสียงที่ชุมชน ระดับเสียงขณะดำเนินการขนาน การตรวจวัดและคำนวณระดับเสียงขณะดำเนินการขนาน การคำนวณการรบกวนการขนาน และแนวปฏิบัติในการตรวจวัดเสียงรบกวน พ.ศ. 2565

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459312-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599080-29
Parameter Noise
Location ถนนบ้านนาถ 1 บ้านแม่ลำภูตา (อ.แม่ลำภู) (N5) (พิกัด GPS 47P 0744481, 1427788) (Shut down)
Measurement Date Nov 16 - 17, 2025
Measurement by Apichart Wilars
Sound Level Meter 531312

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	49.4	72.8	44.2
11:00 AM - 12:00 PM	54.7	89.1	43.1
12:00 PM - 01:00 PM	44.2	63.9	40.7
01:00 PM - 02:00 PM	44.5	66.2	40.8
02:00 PM - 03:00 PM	42.4	66.1	39.5
03:00 PM - 04:00 PM	42.3	57.5	40.3
04:00 PM - 05:00 PM	49.9	74.7	40.2
05:00 PM - 06:00 PM	47.8	74.6	41.9
06:00 PM - 07:00 PM	51.2	76.6	47.5
07:00 PM - 08:00 PM	50.4	69.4	45.7
08:00 PM - 09:00 PM	48.8	59.1	45.7
09:00 PM - 10:00 PM	44.9	59.0	42.9
10:00 PM - 10:05 PM	42.1	48.9	41.4
10:05 PM - 10:10 PM	41.9	43.7	41.4
10:10 PM - 10:15 PM	42.2	43.5	41.3
10:15 PM - 10:20 PM	42.0	51.6	41.0
10:20 PM - 10:25 PM	42.3	54.2	41.0
10:25 PM - 10:30 PM	41.9	45.4	41.0
10:30 PM - 10:35 PM	41.5	44.6	40.8
10:35 PM - 10:40 PM	41.6	45.8	40.9
10:40 PM - 10:45 PM	41.7	46.3	41.0
10:45 PM - 10:50 PM	41.7	44.7	41.0
10:50 PM - 10:55 PM	41.7	47.3	41.1
10:55 PM - 11:00 PM	41.6	44.5	41.0
11:00 PM - 11:05 PM	41.4	48.3	40.9
11:05 PM - 11:10 PM	42.1	46.8	41.1
11:10 PM - 11:15 PM	41.9	47.0	41.2
11:15 PM - 11:20 PM	42.6	50.6	41.2
11:20 PM - 11:25 PM	42.0	45.7	41.1
11:25 PM - 11:30 PM	41.6	46.4	40.8
11:30 PM - 11:35 PM	42.2	45.9	41.3
11:35 PM - 11:40 PM	41.9	49.4	41.0
11:40 PM - 11:45 PM	41.7	45.9	40.9
11:45 PM - 11:50 PM	41.7	44.0	40.9
11:50 PM - 11:55 PM	41.7	44.9	40.8
11:55 PM - 12:00 AM	41.8	44.7	40.9
12:00 AM - 12:05 AM	42.4	48.5	41.2
12:05 AM - 12:10 AM	41.9	46.1	41.2
12:10 AM - 12:15 AM	42.4	49.9	41.4
12:15 AM - 12:20 AM	42.1	44.3	40.9

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459312-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599080-29
Parameter Noise
Location ถนนบ้านนาถ 1 บ้านแม่ลำภูตา (อ.แม่ลำภู) (N5) (พิกัด GPS 47P 0744481, 1427788) (Shut down)
Measurement Date Nov 16 - 17, 2025
Measurement by Apichart Wilars
Sound Level Meter 531312

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:20 AM - 12:25 AM	41.8	49.2	41.1
12:25 AM - 12:30 AM	41.5	49.2	41.0
12:30 AM - 12:35 AM	42.6	47.6	41.4
12:35 AM - 12:40 AM	42.5	48.9	41.2
12:40 AM - 12:45 AM	42.2	44.8	41.2
12:45 AM - 12:50 AM	42.2	45.9	41.3
12:50 AM - 12:55 AM	42.4	45.8	41.4
12:55 AM - 01:00 AM	42.9	49.5	41.3
01:00 AM - 01:05 AM	41.8	44.2	41.0
01:05 AM - 01:10 AM	41.6	44.3	40.8
01:10 AM - 01:15 AM	41.8	43.8	41.0
01:15 AM - 01:20 AM	42.2	49.1	41.3
01:20 AM - 01:25 AM	41.3	43.7	40.7
01:25 AM - 01:30 AM	41.2	43.7	40.6
01:30 AM - 01:35 AM	41.3	45.8	40.7
01:35 AM - 01:40 AM	52.1	77.1	41.1
01:40 AM - 01:45 AM	42.8	50.1	41.3
01:45 AM - 01:50 AM	42.8	51.2	41.2
01:50 AM - 01:55 AM	42.1	50.6	40.9
01:55 AM - 02:00 AM	41.5	45.8	40.8
02:00 AM - 02:05 AM	41.6	44.6	40.9
02:05 AM - 02:10 AM	42.1	47.6	40.7
02:10 AM - 02:15 AM	51.8	79.2	40.6
02:15 AM - 02:20 AM	42.4	47.2	41.3
02:20 AM - 02:25 AM	43.9	52.9	41.2
02:25 AM - 02:30 AM	42.5	47.3	41.1
02:30 AM - 02:35 AM	42.5	47.8	41.2
02:35 AM - 02:40 AM	41.2	48.8	40.5
02:40 AM - 02:45 AM	40.7	42.5	40.2
02:45 AM - 02:50 AM	41.4	45.4	40.8
02:50 AM - 02:55 AM	41.3	51.9	40.5
02:55 AM - 03:00 AM	41.0	44.0	40.5
03:00 AM - 03:05 AM	42.0	48.2	40.8
03:05 AM - 03:10 AM	43.5	53.0	40.4
03:10 AM - 03:15 AM	41.1	44.3	40.4
03:15 AM - 03:20 AM	42.0	45.4	41.1
03:20 AM - 03:25 AM	41.9	45.0	41.1
03:25 AM - 03:30 AM	42.1	47.1	41.2
03:30 AM - 03:35 AM	43.9	48.4	41.9
03:35 AM - 03:40 AM	41.9	45.9	41.1

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LIFE SCIENCES

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459312-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample No. 2599080-29
Parameter Noise
Location ถนนบ้านนาถ 1 บ้านแม่ลำภูตา (อ.แม่ลำภู) (N5) (พิกัด GPS 47P 0744481, 1427788) (Shut down)
Measurement Date Nov 16 - 17, 2025
Measurement by Apichart Wilars
Sound Level Meter 531312

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	42.4	44.6	41.5
03:45 AM - 03:50 AM	42.5	49.5	41.8
03:50 AM - 03:55 AM	42.5	50.1	41.6
03:55 AM - 04:00 AM	42.6	47.4	41.6
04:00 AM - 04:05 AM	42.1	44.0	41.4
04:05 AM - 04:10 AM	42.0	44.8	41.4
04:10 AM - 04:15 AM	42.3	44.8	41.6
04:15 AM - 04:20 AM	42.2	45.2	41.5
04:20 AM - 04:25 AM	42.6	60.7	41.6
04:25 AM - 04:30 AM	42.4	45.9	41.7
04:30 AM - 04:35 AM	42.6	54.7	41.8
04:35 AM - 04:40 AM	42.8	45.8	42.1
04:40 AM - 04:45 AM	43.7	50.1	42.5
04:45 AM - 04:50 AM	43.1	45.9	42.3
04:50 AM - 04:55 AM	43.2	45.3	42.5
04:55 AM - 05:00 AM	43.3	46.3	42.6
05:00 AM - 05:05 AM	42.7	45.9	42.9
05:05 AM - 05:10 AM	43.8	47.0	43.1
05:10 AM - 05:15 AM	44.0	47.3	43.3
05:15 AM - 05:20 AM	44.0	46.2	43.2
05:20 AM - 05:25 AM	44.1	59.2	43.3
05:25 AM - 05:30 AM	44.3	46.9	43.5
05:30 AM - 05:35 AM	44.7	47.3	43.4
05:35 AM - 05:40 AM	54.1	73.7	41.4
05:40 AM - 05:45 AM	44.8	49.1	43.6
05:45 AM - 05:50 AM	49.5	61.8	44.4
05:50 AM - 05:55 AM	45.0	59.8	43.9
05:55 AM - 06:00 AM	47.6	57.6	44.4
06:00 AM - 07:00 AM	47.6	62.3	44.6
07:00 AM - 08:00 AM	50.7	60.3	44.4
08:00 AM - 09:00 AM	44.8	65.3	42.6
09:00 AM - 10:00 AM	48.0	75.3	44.3

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการการควบคุมเสียงรบกวน เรื่อง วิธีการตรวจวัดระดับเสียงรบกวนจากแหล่งเสียงรบกวนในลักษณะการจราจรทางบกและจากแหล่งเสียงรบกวนจากการจราจรทางอากาศและจากแหล่งเสียงรบกวนจากแหล่งเสียงรบกวนอื่น ๆ พ.ศ. 2565

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459312-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599080-30
Parameter Noise
Location ถนนบ้านนาถ 1 บ้านแม่ลำภูตา (อ.แม่ลำภู) (N5) (พิกัด GPS 47P 0744481, 1427788) (Shut down)
Measurement Date Nov 17 - 18, 2025
Measurement by Apichart Wilars
Sound Level Meter 531312

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	46.1	68.2	42.3
11:00 AM - 12:00 PM	42.9	60.3	40.9
12:00 PM - 01:00 PM	41.3	66.7	38.6
01:00 PM - 02:00 PM	42.3	66.2	39.8
02:00 PM - 03:00 PM	46.3	69.4	41.5
03:00 PM - 04:00 PM	44.9	64.7	41.6
04:00 PM - 05:00 PM	48.1	64.5	43.1
05:00 PM - 06:00 PM	48.6	82.8	41.0
06:00 PM - 07:00 PM	50.8	64.7	46.5
07:00 PM - 08:00 PM	51.4	74.9	46.4
08:00 PM - 09:00 PM	49.1	72.1	44.3
09:00 PM - 10:00 PM	46.3	57.6	42.7
10:00 PM - 10:05 PM	44.1	51.4	42.3
10:05 PM - 10:10 PM	44.1	54.0	42.0
10:10 PM - 10:15 PM	44.4	51.0	42.1
10:15 PM - 10:20 PM	44.6	54.1	42.1
10:20 PM - 10:25 PM	43.5	51.3	41.8
10:25 PM - 10:30 PM	43.4	50.9	41.8
10:30 PM - 10:35 PM	43.7	52.5	41.9
10:35 PM - 10:40 PM	44.1	52.7	42.5
10:40 PM - 10:45 PM	45.0	54.2	42.6
10:45 PM - 10:50 PM	43.3	52.7	41.5
10:50 PM - 10:55 PM	44.0	52.5	42.6
10:55 PM - 11:00 PM	43.6	50.1	42.0
11:00 PM - 11:05 PM	43.7	49.0	42.4
11:05 PM - 11:10 PM	44.6	50.8	42.7
11:10 PM - 11:15 PM	44.1	49.2	42.7
11:15 PM - 11:20 PM	45.4	53.6	42.9
11:20 PM - 11:25 PM	44.5	52.9	43.1
11:25 PM - 11:30 PM	43.8	52.9	42.2
11:30 PM - 11:35 PM	43.3	52.7	41.6
11:35 PM - 11:40 PM	43.2	52.2	41.9
11:40 PM - 11:45 PM	43.8	55.1	42.0
11:45 PM - 11:50 PM	42.8	55.1	42.3
11:50 PM - 11:55 PM	42.8	51.1	41.6
11:55 PM - 12:00 AM	42.3	50.8	41.3
12:00 AM - 12:05 AM	43.0	51.3	41.8
12:05 AM - 12:10 AM	45.4	67.5	42.1
12:10 AM - 12:15 AM	42.7	59.2	41.6
12:15 AM - 12:20 AM	43.0	47.1	41.9

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459313-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599080-30
Parameter Noise
Location กลุ่มโรงงาน 1 ฝั่งแม่น้ำท่าเรือ (ส.แม่ท่าเรือ) (NS) (จุดสถานี) (GPS 47P 0744481, 1427788) (Shut down)
Measurement Date Nov 17 - 18, 2025
Measurement by Apichart Wilars
Sound Level Meter 531312

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	50.6	70.6	41.3
12:35 AM - 12:40 AM	43.3	56.3	41.4
12:40 AM - 12:45 AM	42.3	49.7	41.4
12:45 AM - 12:50 AM	42.4	50.5	41.4
12:50 AM - 12:55 AM	42.8	50.6	41.2
12:55 AM - 01:00 AM	43.1	60.5	41.6
01:00 AM - 01:05 AM	42.5	50.3	41.4
01:05 AM - 01:10 AM	41.6	46.8	40.7
01:10 AM - 01:15 AM	41.8	47.9	40.9
01:15 AM - 01:20 AM	42.8	50.8	41.3
01:20 AM - 01:25 AM	43.0	51.8	40.9
01:25 AM - 01:30 AM	43.7	52.1	41.3
01:30 AM - 01:35 AM	43.7	53.2	41.0
01:35 AM - 01:40 AM	44.2	54.5	42.3
01:40 AM - 01:45 AM	44.4	52.6	41.9
01:45 AM - 01:50 AM	43.8	52.7	41.3
01:50 AM - 01:55 AM	43.4	51.6	41.6
01:55 AM - 02:00 AM	43.8	51.2	41.4
02:00 AM - 02:05 AM	44.5	52.9	41.7
02:05 AM - 02:10 AM	44.5	59.5	41.9
02:10 AM - 02:15 AM	46.3	62.2	42.0
02:15 AM - 02:20 AM	47.0	54.9	42.1
02:20 AM - 02:25 AM	47.5	54.8	42.1
02:25 AM - 02:30 AM	48.4	58.7	43.1
02:30 AM - 02:35 AM	48.8	55.6	43.8
02:35 AM - 02:40 AM	48.0	55.2	43.4
02:40 AM - 02:45 AM	46.8	56.2	41.9
02:45 AM - 02:50 AM	44.3	60.5	41.5
02:50 AM - 02:55 AM	43.8	53.3	41.3
02:55 AM - 03:00 AM	41.8	45.5	40.6
03:00 AM - 03:05 AM	40.5	40.4	39.8
03:05 AM - 03:10 AM	40.5	42.6	39.7
03:10 AM - 03:15 AM	40.6	43.2	39.8
03:15 AM - 03:20 AM	40.9	47.2	40.0
03:20 AM - 03:25 AM	43.4	51.2	41.0
03:25 AM - 03:30 AM	43.4	42.6	41.0
03:30 AM - 03:35 AM	41.8	45.1	40.5
03:35 AM - 03:40 AM	42.8	47.9	43.7
03:40 AM - 03:45 AM	43.2	54.2	41.0
03:45 AM - 03:50 AM	41.9	62.9	40.4

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459313-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample No. 2599080-30
Parameter Noise
Location กลุ่มโรงงาน 1 ฝั่งแม่น้ำท่าเรือ (ส.แม่ท่าเรือ) (NS) (จุดสถานี) (GPS 47P 0744481, 1427788) (Shut down)
Measurement Date Nov 17 - 18, 2025
Measurement by Apichart Wilars
Sound Level Meter 531312

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	43.8	65.2	40.4
03:45 AM - 03:50 AM	41.8	51.5	40.6
03:50 AM - 03:55 AM	41.3	43.7	40.5
03:55 AM - 04:00 AM	43.3	45.7	40.0
04:00 AM - 04:05 AM	41.7	58.4	40.3
04:05 AM - 04:10 AM	41.3	58.9	40.1
04:10 AM - 04:15 AM	56.4	77.6	40.6
04:15 AM - 04:20 AM	44.1	63.1	40.6
04:20 AM - 04:25 AM	42.7	60.4	40.7
04:25 AM - 04:30 AM	42.7	49.1	41.3
04:30 AM - 04:35 AM	43.3	52.7	41.0
04:35 AM - 04:40 AM	42.6	47.3	41.4
04:40 AM - 04:45 AM	43.3	56.0	41.4
04:45 AM - 04:50 AM	43.7	46.0	41.6
04:50 AM - 04:55 AM	43.7	47.0	41.6
04:55 AM - 05:00 AM	52.1	81.7	41.7
05:00 AM - 05:05 AM	43.9	48.9	41.7
05:05 AM - 05:10 AM	47.9	64.5	42.6
05:10 AM - 05:15 AM	45.6	58.3	42.9
05:15 AM - 05:20 AM	46.2	63.5	43.2
05:20 AM - 05:25 AM	48.4	62.4	44.8
05:25 AM - 05:30 AM	47.1	66.6	44.2
05:30 AM - 05:35 AM	46.2	54.4	44.0
05:35 AM - 05:40 AM	46.4	58.1	44.0
05:40 AM - 05:45 AM	48.5	59.8	45.8
05:45 AM - 05:50 AM	50.1	56.9	47.0
05:50 AM - 05:55 AM	48.0	60.0	46.2
05:55 AM - 06:00 AM	47.4	50.1	46.2
06:00 AM - 07:00 AM	49.7	64.3	46.2
07:00 AM - 08:00 AM	49.2	78.1	42.1
08:00 AM - 09:00 AM	49.8	75.9	43.7
09:00 AM - 10:00 AM	48.5	72.7	45.5

Reference Method :

1. ISO 1996-1
2. ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงที่ฐานารับเสียงของโรงงานอุตสาหกรรม การตรวจวัดและคำนวณระดับเสียงของอาคารโรงงาน การคำนวณการรบกวนการนอน และแนวปฏิบัติในการตรวจวัดเสียงรบกวน พ.ศ. 2565

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459314-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599080-31
Parameter Noise
Location กลุ่มโรงงาน 1 ฝั่งแม่น้ำท่าเรือ (ส.แม่ท่าเรือ) (NS) (จุดสถานี) (GPS 47P 0744481, 1427788) (Shut down)
Measurement Date Nov 18 - 19, 2025
Measurement by Apichart Wilars
Sound Level Meter 531312

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	46.2	73.6	43.7
11:00 AM - 12:00 PM	47.5	70.2	43.1
12:00 PM - 01:00 PM	42.5	70.9	38.6
01:00 PM - 02:00 PM	48.5	75.4	40.9
02:00 PM - 03:00 PM	43.6	68.7	41.0
03:00 PM - 04:00 PM	44.3	55.1	42.2
04:00 PM - 05:00 PM	46.9	61.8	43.8
05:00 PM - 06:00 PM	50.9	78.5	43.4
06:00 PM - 07:00 PM	47.5	66.5	45.4
07:00 PM - 08:00 PM	49.8	79.2	45.1
08:00 PM - 09:00 PM	48.9	75.0	44.5
09:00 PM - 10:00 PM	46.9	60.7	43.3
10:00 PM - 10:05 PM	45.5	53.4	42.6
10:05 PM - 10:10 PM	44.5	51.4	42.6
10:10 PM - 10:15 PM	44.2	50.5	42.2
10:15 PM - 10:20 PM	47.3	71.6	41.9
10:20 PM - 10:25 PM	45.0	52.8	41.6
10:25 PM - 10:30 PM	45.4	53.4	41.7
10:30 PM - 10:35 PM	43.2	50.2	41.5
10:35 PM - 10:40 PM	42.8	46.4	41.9
10:40 PM - 10:45 PM	42.9	51.9	42.1
10:45 PM - 10:50 PM	45.6	59.7	42.1
10:50 PM - 10:55 PM	45.2	63.5	41.8
10:55 PM - 11:00 PM	45.3	67.5	41.8
11:00 PM - 11:05 PM	42.1	52.7	41.3
11:05 PM - 11:10 PM	42.1	45.9	41.4
11:10 PM - 11:15 PM	42.0	45.1	41.2
11:15 PM - 11:20 PM	42.5	58.2	41.2
11:20 PM - 11:25 PM	43.2	52.3	41.6
11:25 PM - 11:30 PM	43.2	51.5	41.6
11:30 PM - 11:35 PM	43.6	52.1	41.8
11:35 PM - 11:40 PM	44.1	58.2	41.9
11:40 PM - 11:45 PM	43.5	54.8	41.3
11:45 PM - 11:50 PM	44.1	55.1	42.2
11:50 PM - 11:55 PM	45.6	51.9	42.9
11:55 PM - 12:00 AM	45.5	52.7	43.6
12:00 AM - 12:05 AM	45.9	50.7	42.5
12:05 AM - 12:10 AM	45.8	63.3	42.6
12:10 AM - 12:15 AM	43.9	49.1	41.9
12:15 AM - 12:20 AM	44.1	50.8	42.5

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Life Sciences

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459314-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599080-31
Parameter Noise
Location กลุ่มโรงงาน 1 ฝั่งแม่น้ำท่าเรือ (ส.แม่ท่าเรือ) (NS) (จุดสถานี) (GPS 47P 0744481, 1427788) (Shut down)
Measurement Date Nov 18 - 19, 2025
Measurement by Apichart Wilars
Sound Level Meter 531312

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	46.3	53.2	42.6
12:35 AM - 12:40 AM	43.7	49.3	42.2
12:40 AM - 12:45 AM	43.8	55.6	42.0
12:45 AM - 12:50 AM	44.0	51.4	42.0
12:50 AM - 12:55 AM	42.6	46.2	41.6
12:55 AM - 01:00 AM	42.5	47.1	41.2
01:00 AM - 01:05 AM	42.6	47.2	41.6
01:05 AM - 01:10 AM	44.1	58.8	42.0
01:10 AM - 01:15 AM	45.3	50.8	42.4
01:15 AM - 01:20 AM	43.2	47.6	42.2
01:20 AM - 01:25 AM	42.9	46.2	41.9
01:25 AM - 01:30 AM	43.7	53.7	42.0
01:30 AM - 01:35 AM	43.4	52.6	42.1
01:35 AM - 01:40 AM	51.1	66.3	42.0
01:40 AM - 01:45 AM	45.3	50.9	42.7
01:45 AM - 01:50 AM	46.3	52.4	42.1
01:50 AM - 01:55 AM	48.4	53.1	45.2
01:55 AM - 02:00 AM	47.8	52.8	44.7
02:00 AM - 02:05 AM	46.4	52.0	43.8
02:05 AM - 02:10 AM	51.0	55.3	46.0
02:10 AM - 02:15 AM	51.9	58.2	50.4
02:15 AM - 02:20 AM	56.6	59.6	54.1
02:20 AM - 02:25 AM	57.5	67.2	56.2
02:25 AM - 02:30 AM	57.8	66.3	57.1
02:30 AM - 02:35 AM	55.4	62.2	50.5
02:35 AM - 02:40 AM	47.9	62.7	44.4
02:40 AM - 02:45 AM	44.4	49.5	42.7
02:45 AM - 02:50 AM	46.6	63.7	42.2
02:50 AM - 02:55 AM	44.3	60.4	42.4
02:55 AM - 03:00 AM	43.4	55.9	42.5
03:00 AM - 03:05 AM	44.3	61.5	42.9
03:05 AM - 03:10 AM	43.8	56.9	42.7
03:10 AM - 03:15 AM	45.4	56.6	42.7
03:15 AM - 03:20 AM	45.5	48.0	42.6
03:20 AM - 03:25 AM	43.5	57.0	42.6
03:25 AM - 03:30 AM	44.3	48.4	43.1
03:30 AM - 03:35 AM	44.4	47.7	43.1
03:35 AM - 03:40 AM	44.0	46.3	43.2

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Life Sciences

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459314-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599080-31
Parameter Noise
Location กลุ่มบ้านหมู่ 1 บ้านแม่ลำภูตา (ส.แม่ลำภู) (N5) (จุดลำงัด) (GPS 47P 0744481, 1427788) (Shut down)
Measurement Date Nov 18 - 19, 2025
Measurement by Apichart Wilars
Sound Level Meter 531312

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	44.6	46.4	43.2
03:45 AM - 03:50 AM	43.7	46.0	42.9
03:50 AM - 03:55 AM	43.3	45.8	42.5
03:55 AM - 04:00 AM	43.7	45.8	42.6
04:00 AM - 04:05 AM	53.5	77.6	42.5
04:05 AM - 04:10 AM	43.9	58.6	42.2
04:10 AM - 04:15 AM	44.4	51.2	42.3
04:15 AM - 04:20 AM	48.5	63.4	43.7
04:20 AM - 04:25 AM	47.7	63.7	43.5
04:25 AM - 04:30 AM	46.2	51.7	43.6
04:30 AM - 04:35 AM	46.2	51.1	44.0
04:35 AM - 04:40 AM	45.3	50.4	43.6
04:40 AM - 04:45 AM	44.8	51.6	43.9
04:45 AM - 04:50 AM	46.6	54.5	44.5
04:50 AM - 04:55 AM	46.4	53.6	44.6
04:55 AM - 05:00 AM	46.7	51.3	44.9
05:00 AM - 05:05 AM	46.8	50.2	45.0
05:05 AM - 05:10 AM	48.2	66.8	45.3
05:10 AM - 05:15 AM	47.4	53.2	45.3
05:15 AM - 05:20 AM	47.7	57.9	45.7
05:20 AM - 05:25 AM	47.7	50.8	45.8
05:25 AM - 05:30 AM	48.3	52.6	46.4
05:30 AM - 05:35 AM	48.4	58.0	46.5
05:35 AM - 05:40 AM	48.2	50.8	46.5
05:40 AM - 05:45 AM	48.4	57.6	46.6
05:45 AM - 05:50 AM	51.0	71.7	47.0
05:50 AM - 05:55 AM	49.1	51.6	47.3
05:55 AM - 06:00 AM	49.3	54.6	47.6
06:00 AM - 07:00 AM	48.9	63.4	46.9
07:00 AM - 08:00 AM	50.3	75.7	45.7
08:00 AM - 09:00 AM	50.4	74.9	46.1
09:00 AM - 10:00 AM	54.5	81.2	44.6

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการกฤษฎีกาฉบับที่ 1 เรื่อง วิธีการตรวจวัดระดับเสียงในชุมชน กรณีเสียงรบกวนจากกิจกรรม การตรวจวัดและคำนวณค่าระดับเสียงตามประกาศกรมการปกครองว่าด้วยการตรวจวัดและคำนวณระดับเสียงรบกวน พ.ศ. 2565

Approved by

Wilwan Borik
Wilwan Borik
Manager

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Life Sciences

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459315-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599080-32
Parameter Noise
Location กลุ่มบ้านหมู่ 1 บ้านแม่ลำภูตา (ส.แม่ลำภู) (N5) (จุดลำงัด) (GPS 47P 0744481, 1427788) (Shut down)
Measurement Date Nov 19 - 20, 2025
Measurement by Apichart Wilars
Sound Level Meter 531312

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	48.9	70.7	45.3
11:00 AM - 12:00 PM	47.3	67.7	43.5
12:00 PM - 01:00 PM	49.6	69.8	45.0
01:00 PM - 02:00 PM	49.9	69.3	45.6
02:00 PM - 03:00 PM	48.8	69.5	44.6
03:00 PM - 04:00 PM	44.1	64.0	42.1
04:00 PM - 05:00 PM	44.5	58.2	42.1
05:00 PM - 06:00 PM	45.9	70.3	42.2
06:00 PM - 07:00 PM	47.9	63.6	45.5
07:00 PM - 08:00 PM	50.2	69.0	47.1
08:00 PM - 09:00 PM	48.7	73.1	44.8
09:00 PM - 10:00 PM	47.1	68.4	44.1
10:00 PM - 10:05 PM	46.0	52.5	42.6
10:05 PM - 10:10 PM	44.3	52.9	43.0
10:10 PM - 10:15 PM	43.4	53.9	42.1
10:15 PM - 10:20 PM	42.8	47.5	41.8
10:20 PM - 10:25 PM	42.9	53.4	41.7
10:25 PM - 10:30 PM	43.2	58.4	41.5
10:30 PM - 10:35 PM	42.9	49.8	41.9
10:35 PM - 10:40 PM	45.9	60.2	42.1
10:40 PM - 10:45 PM	43.9	62.6	41.6
10:45 PM - 10:50 PM	42.3	47.1	41.3
10:50 PM - 10:55 PM	43.2	52.5	41.7
10:55 PM - 11:00 PM	44.3	51.5	42.5
11:00 PM - 11:05 PM	44.5	55.0	41.5
11:05 PM - 11:10 PM	43.0	48.3	41.8
11:10 PM - 11:15 PM	44.4	52.5	41.9
11:15 PM - 11:20 PM	44.1	51.5	42.2
11:20 PM - 11:25 PM	44.3	50.1	42.4
11:25 PM - 11:30 PM	43.9	53.7	42.3
11:30 PM - 11:35 PM	42.5	45.4	41.6
11:35 PM - 11:40 PM	43.5	48.2	42.0
11:40 PM - 11:45 PM	44.2	49.3	42.7
11:45 PM - 11:50 PM	44.5	58.8	42.9
11:50 PM - 11:55 PM	44.0	53.1	41.9
11:55 PM - 12:00 AM	44.2	56.2	42.1
12:00 AM - 12:05 AM	44.1	50.0	42.0
12:05 AM - 12:10 AM	44.5	48.8	42.5
12:10 AM - 12:15 AM	44.1	51.3	41.8
12:15 AM - 12:20 AM	44.8	57.1	41.7

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459315-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599080-32
Parameter Noise
Location กลุ่มบ้านหมู่ 1 บ้านแม่ลำภูตา (ส.แม่ลำภู) (N5) (จุดลำงัด) (GPS 47P 0744481, 1427788) (Shut down)
Measurement Date Nov 19 - 20, 2025
Measurement by Apichart Wilars
Sound Level Meter 531312

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	45.3	57.6	41.7
12:35 AM - 12:40 AM	44.6	52.3	42.4
12:40 AM - 12:45 AM	45.9	58.5	42.4
12:45 AM - 12:50 AM	45.9	53.4	43.0
12:50 AM - 12:55 AM	44.8	50.6	42.4
12:55 AM - 01:00 AM	43.3	50.6	41.8
01:00 AM - 01:05 AM	42.9	48.3	41.4
01:05 AM - 01:10 AM	44.9	53.4	42.0
01:10 AM - 01:15 AM	43.8	51.5	41.7
01:15 AM - 01:20 AM	44.1	50.0	41.2
01:20 AM - 01:25 AM	43.1	48.7	40.8
01:25 AM - 01:30 AM	42.4	49.4	41.4
01:30 AM - 01:35 AM	42.9	47.1	41.3
01:35 AM - 01:40 AM	42.5	46.0	41.0
01:40 AM - 01:45 AM	42.5	49.5	41.0
01:45 AM - 01:50 AM	43.1	50.8	41.4
01:50 AM - 01:55 AM	44.3	69.0	41.4
01:55 AM - 02:00 AM	42.7	72.7	41.1
02:00 AM - 02:05 AM	46.4	50.4	40.8
02:05 AM - 02:10 AM	43.7	50.1	40.8
02:10 AM - 02:15 AM	42.7	50.7	40.8
02:15 AM - 02:20 AM	44.2	53.2	42.4
02:20 AM - 02:25 AM	44.7	55.9	42.2
02:25 AM - 02:30 AM	43.3	51.7	41.5
02:30 AM - 02:35 AM	45.5	52.2	42.6
02:35 AM - 02:40 AM	45.7	52.8	43.7
02:40 AM - 02:45 AM	45.3	52.4	42.8
02:45 AM - 02:50 AM	44.3	49.6	41.2
02:50 AM - 02:55 AM	44.7	58.7	42.3
02:55 AM - 03:00 AM	44.7	51.6	42.9
03:00 AM - 03:05 AM	43.6	49.0	42.0
03:05 AM - 03:10 AM	45.4	52.6	42.6
03:10 AM - 03:15 AM	45.5	54.8	43.3
03:15 AM - 03:20 AM	45.9	53.5	43.9
03:20 AM - 03:25 AM	46.4	54.0	43.7
03:25 AM - 03:30 AM	47.6	56.9	44.7
03:30 AM - 03:35 AM	47.9	53.9	44.8
03:35 AM - 03:40 AM	45.6	53.0	42.6

Approved by

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459315-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample No. 2599080-32
Parameter Noise
Location กลุ่มบ้านหมู่ 1 บ้านแม่ลำภูตา (ส.แม่ลำภู) (N5) (จุดลำงัด) (GPS 47P 0744481, 1427788) (Shut down)
Measurement Date Nov 19 - 20, 2025
Measurement by Apichart Wilars
Sound Level Meter 531312

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	43.7	49.0	41.5
03:45 AM - 03:50 AM	47.5	56.1	43.0
03:50 AM - 03:55 AM	43.8	55.2	41.4
03:55 AM - 04:00 AM	46.5	56.5	42.6
04:00 AM - 04:05 AM	44.7	54.9	42.6
04:05 AM - 04:10 AM	46.3	53.4	44.2
04:10 AM - 04:15 AM	45.9	53.5	42.8
04:15 AM - 04:20 AM	44.7	50.5	42.6
04:20 AM - 04:25 AM	47.4	71.9	42.5
04:25 AM - 04:30 AM	45.2	52.3	42.9
04:30 AM - 04:35 AM	44.9	50.0	42.7
04:35 AM - 04:40 AM	44.8	51.1	42.3
04:40 AM - 04:45 AM	44.7	50.0	42.7
04:45 AM - 04:50 AM	45.8	52.1	44.5
04:50 AM - 04:55 AM	46.0	54.6	43.4
04:55 AM - 05:00 AM	45.7	50.3	43.8
05:00 AM - 05:05 AM	44.3	49.0	42.4
05:05 AM - 05:10 AM	43.5	47.7	42.5
05:10 AM - 05:15 AM	44.1	48.8	42.8
05:15 AM - 05:20 AM	44.6	50.1	43.1
05:20 AM - 05:25 AM	44.7	50.2	43.2
05:25 AM - 05:30 AM	44.9	50.8	43.8
05:30 AM - 05:35 AM	46.8	64.4	44.3
05:35 AM - 05:40 AM	45.8	52.1	44.5
05:40 AM - 05:45 AM	49.1	70.8	43.7
05:45 AM - 05:50 AM	45.4	60.8	44.0
05:50 AM - 05:55 AM	44.4	48.3	43.4
05:55 AM - 06:00 AM	45.5	52.5	44.1
06:00 AM - 07:00 AM	46.7	64.2	43.6
07:00 AM - 08:00 AM	48.4	76.5	42.5
08:00 AM - 09:00 AM	48.1	78.2	43.5
09:00 AM - 10:00 AM	46.8	57.1	44.4

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการกฤษฎีกาฉบับที่ 1 เรื่อง วิธีการตรวจวัดระดับเสียงในชุมชน กรณีเสียงรบกวนจากกิจกรรม การตรวจวัดและคำนวณค่าระดับเสียงตามประกาศกรมการปกครองว่าด้วยการตรวจวัดและคำนวณระดับเสียงรบกวน พ.ศ. 2565

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Approved by

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Wilwan Borik
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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459316-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599080-33
Parameter Noise
Location ถนนบ้านนาถ้อย 1 บ้านนาถ้อย (ส.แม่บ้าน) (NS) (รหัสงาน) (GPS 47P 0744481, 1427788) (Shut down)
Measurement Date Nov 20 - 21, 2025
Measurement by Apichart Wilars
Sound Level Meter 531312

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	46.5	73.3	43.0
11:00 AM - 12:00 PM	44.0	60.7	41.4
12:00 PM - 01:00 PM	46.2	70.2	40.8
01:00 PM - 02:00 PM	44.6	65.2	41.4
02:00 PM - 03:00 PM	50.4	75.0	44.0
03:00 PM - 04:00 PM	45.0	56.4	42.6
04:00 PM - 05:00 PM	45.4	61.5	42.8
05:00 PM - 06:00 PM	44.8	59.2	42.5
06:00 PM - 07:00 PM	47.0	68.9	44.4
07:00 PM - 08:00 PM	51.9	79.2	45.8
08:00 PM - 09:00 PM	46.9	71.3	42.8
09:00 PM - 10:00 PM	45.6	72.6	41.2
10:00 PM - 10:05 PM	43.5	50.3	41.4
10:05 PM - 10:10 PM	42.8	49.8	40.9
10:10 PM - 10:15 PM	42.3	49.5	40.3
10:15 PM - 10:20 PM	42.1	48.9	40.7
10:20 PM - 10:25 PM	41.3	45.8	40.5
10:25 PM - 10:30 PM	42.0	50.6	40.1
10:30 PM - 10:35 PM	56.9	82.5	40.3
10:35 PM - 10:40 PM	41.7	52.9	40.4
10:40 PM - 10:45 PM	41.2	43.5	40.4
10:45 PM - 10:50 PM	41.8	48.4	40.6
10:50 PM - 10:55 PM	41.4	46.6	40.5
10:55 PM - 11:00 PM	41.0	44.5	40.1
11:00 PM - 11:05 PM	40.9	48.8	39.9
11:05 PM - 11:10 PM	42.3	51.0	40.4
11:10 PM - 11:15 PM	41.7	50.8	39.8
11:15 PM - 11:20 PM	41.8	52.0	40.1
11:20 PM - 11:25 PM	51.3	76.7	39.9
11:25 PM - 11:30 PM	40.5	46.3	39.7
11:30 PM - 11:35 PM	40.1	43.8	39.4
11:35 PM - 11:40 PM	40.6	43.6	39.8
11:40 PM - 11:45 PM	40.4	48.2	39.5
11:45 PM - 11:50 PM	41.4	48.6	39.9
11:50 PM - 11:55 PM	41.3	48.9	40.4
11:55 PM - 12:00 AM	40.8	45.1	39.7
12:00 AM - 12:05 AM	41.1	50.6	39.6
12:05 AM - 12:10 AM	40.6	43.4	39.7
12:10 AM - 12:15 AM	40.9	45.2	39.8
12:15 AM - 12:20 AM	41.0	45.0	39.7

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459316-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599080-33
Parameter Noise
Location ถนนบ้านนาถ้อย 1 บ้านนาถ้อย (ส.แม่บ้าน) (NS) (รหัสงาน) (GPS 47P 0744481, 1427788) (Shut down)
Measurement Date Nov 20 - 21, 2025
Measurement by Apichart Wilars
Sound Level Meter 531312

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:20 AM - 12:25 AM	41.2	47.2	40.0
12:25 AM - 12:30 AM	41.4	47.9	40.3
12:30 AM - 12:35 AM	41.2	45.5	40.2
12:35 AM - 12:40 AM	41.0	53.5	40.0
12:40 AM - 12:45 AM	41.8	47.4	40.3
12:45 AM - 12:50 AM	40.5	44.2	39.5
12:50 AM - 12:55 AM	39.7	41.8	39.2
12:55 AM - 01:00 AM	40.0	42.9	39.7
01:00 AM - 01:05 AM	40.2	50.5	39.9
01:05 AM - 01:10 AM	41.5	51.0	39.3
01:10 AM - 01:15 AM	42.2	53.6	39.3
01:15 AM - 01:20 AM	41.7	51.5	39.3
01:20 AM - 01:25 AM	40.3	50.5	39.2
01:25 AM - 01:30 AM	40.0	49.7	39.2
01:30 AM - 01:35 AM	40.8	48.0	39.7
01:35 AM - 01:40 AM	43.5	60.9	39.4
01:40 AM - 01:45 AM	41.3	46.4	39.9
01:45 AM - 01:50 AM	41.4	52.1	39.8
01:50 AM - 01:55 AM	48.3	73.5	39.5
01:55 AM - 02:00 AM	44.0	64.5	39.3
02:00 AM - 02:05 AM	40.2	45.9	39.3
02:05 AM - 02:10 AM	39.8	49.3	38.3
02:10 AM - 02:15 AM	39.8	51.7	38.4
02:15 AM - 02:20 AM	41.1	47.0	39.1
02:20 AM - 02:25 AM	40.6	45.5	39.4
02:25 AM - 02:30 AM	40.6	43.1	39.7
02:30 AM - 02:35 AM	40.8	44.1	39.6
02:35 AM - 02:40 AM	42.7	50.7	40.1
02:40 AM - 02:45 AM	41.2	44.9	40.0
02:45 AM - 02:50 AM	40.4	43.1	39.5
02:50 AM - 02:55 AM	40.6	44.6	39.5
02:55 AM - 03:00 AM	41.6	48.9	40.0
03:00 AM - 03:05 AM	41.5	49.7	40.3
03:05 AM - 03:10 AM	41.1	49.6	39.8
03:10 AM - 03:15 AM	43.6	55.5	40.2
03:15 AM - 03:20 AM	41.7	52.0	39.7
03:20 AM - 03:25 AM	42.9	53.7	40.0
03:25 AM - 03:30 AM	41.3	50.4	39.6
03:30 AM - 03:35 AM	41.6	47.3	40.0
03:35 AM - 03:40 AM	40.6	51.1	39.2

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459316-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample No. 2599080-33
Parameter Noise
Location ถนนบ้านนาถ้อย 1 บ้านนาถ้อย (ส.แม่บ้าน) (NS) (รหัสงาน) (GPS 47P 0744481, 1427788) (Shut down)
Measurement Date Nov 20 - 21, 2025
Measurement by Apichart Wilars
Sound Level Meter 531312

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	40.7	42.3	39.6
03:45 AM - 03:50 AM	41.6	48.3	39.6
03:50 AM - 03:55 AM	42.1	51.5	40.5
03:55 AM - 04:00 AM	42.2	52.3	40.3
04:00 AM - 04:05 AM	42.1	45.8	40.8
04:05 AM - 04:10 AM	43.3	53.5	40.8
04:10 AM - 04:15 AM	42.0	48.2	40.5
04:15 AM - 04:20 AM	42.1	49.0	40.6
04:20 AM - 04:25 AM	43.7	60.8	41.0
04:25 AM - 04:30 AM	42.5	51.2	40.9
04:30 AM - 04:35 AM	42.9	47.0	41.4
04:35 AM - 04:40 AM	42.0	50.9	40.7
04:40 AM - 04:45 AM	43.2	47.9	41.4
04:45 AM - 04:50 AM	44.2	53.0	42.0
04:50 AM - 04:55 AM	43.2	49.1	41.6
04:55 AM - 05:00 AM	44.9	50.5	43.5
05:00 AM - 05:05 AM	46.6	51.5	44.5
05:05 AM - 05:10 AM	46.6	53.5	44.3
05:10 AM - 05:15 AM	46.5	60.6	44.4
05:15 AM - 05:20 AM	46.7	52.3	44.2
05:20 AM - 05:25 AM	55.6	74.7	44.3
05:25 AM - 05:30 AM	48.1	61.6	45.4
05:30 AM - 05:35 AM	45.1	43.0	43.4
05:35 AM - 05:40 AM	45.2	52.0	43.4
05:40 AM - 05:45 AM	44.6	51.3	43.7
05:45 AM - 05:50 AM	45.1	52.7	43.6
05:50 AM - 05:55 AM	45.1	48.9	43.6
05:55 AM - 06:00 AM	46.6	54.9	44.5
06:00 AM - 07:00 AM	48.4	63.8	45.6
07:00 AM - 08:00 AM	50.0	76.8	44.8
08:00 AM - 09:00 AM	49.5	79.2	45.1
09:00 AM - 10:00 AM	48.4	71.3	44.9

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงชุมชน ระดับเสียงขณะมีกิจกรรม การตรวจวัดและคำนวณระดับเสียงขณะมีกิจกรรม การคำนวณการสัมภาระงาน และแบบวิธีของการตรวจวัดเสียงตาม พ.ร. 2565

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459317-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599080-34
Parameter Noise
Location ถนนบ้านนาถ้อย 1 บ้านนาถ้อย (ส.แม่บ้าน) (NS) (รหัสงาน) (GPS 47P 0744481, 1427788) (Shut down)
Measurement Date Nov 21 - 22, 2025
Measurement by Apichart Wilars
Sound Level Meter 531312

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	48.1	67.4	44.7
11:00 AM - 12:00 PM	47.0	71.9	43.4
12:00 PM - 01:00 PM	42.0	61.5	39.9
01:00 PM - 02:00 PM	44.1	63.6	41.4
02:00 PM - 03:00 PM	45.1	60.3	42.1
03:00 PM - 04:00 PM	43.8	59.3	41.8
04:00 PM - 05:00 PM	45.4	62.8	42.6
05:00 PM - 06:00 PM	45.5	65.1	42.7
06:00 PM - 07:00 PM	47.8	58.6	45.1
07:00 PM - 08:00 PM	46.4	68.6	46.4
08:00 PM - 09:00 PM	47.1	73.4	43.0
09:00 PM - 10:00 PM	43.8	65.5	41.5
10:00 PM - 10:05 PM	41.1	52.7	41.8
10:05 PM - 10:10 PM	43.7	49.8	41.1
10:10 PM - 10:15 PM	43.9	49.4	41.4
10:15 PM - 10:20 PM	44.2	50.4	41.6
10:20 PM - 10:25 PM	43.6	49.5	41.0
10:25 PM - 10:30 PM	43.9	49.9	41.0
10:30 PM - 10:35 PM	43.7	49.3	41.3
10:35 PM - 10:40 PM	43.2	49.3	40.7
10:40 PM - 10:45 PM	44.6	53.6	41.0
10:45 PM - 10:50 PM	45.6	59.5	41.5
10:50 PM - 10:55 PM	44.3	60.1	41.4
10:55 PM - 11:00 PM	42.3	46.1	41.1
11:00 PM - 11:05 PM	42.5	49.3	41.1
11:05 PM - 11:10 PM	41.0	47.4	38.6
11:10 PM - 11:15 PM	43.7	44.2	38.6
11:15 PM - 11:20 PM	40.8	44.0	39.8
11:20 PM - 11:25 PM	40.8	44.9	39.7
11:25 PM - 11:30 PM	41.0	47.6	39.6
11:30 PM - 11:35 PM	41.9	55.1	40.0
11:35 PM - 11:40 PM	41.6	53.0	39.9
11:40 PM - 11:45 PM	41.0	51.0	39.6
11:45 PM - 11:50 PM	40.5	46.7	39.3
11:50 PM - 11:55 PM	43.3	55.4	39.6
11:55 PM - 12:00 AM	41.2	49.8	39.5
12:00 AM - 12:05 AM	41.1	45.1	39.5
12:05 AM - 12:10 AM	40.5	47.3	39.2
12:10 AM - 12:15 AM	40.6	44.5	39.4
12:15 AM - 12:20 AM	40.3	43.5	39.2

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Wiwawan Borik
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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459317-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599080-34
Parameter Noise
Location กลุ่มบ้านหมู่ 1 บ้านแม่ลำภู (อ.แม่ลำภู) (NS) (จุดลำไส้) (GPS 47P 0744481, 1427788) (Shut down)
Measurement Date Nov 21 - 22, 2025
Measurement by Apichart Wilars
Sound Level Meter 531312

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	41.2	49.5	39.7
12:35 AM - 12:40 AM	40.3	44.1	39.3
12:40 AM - 12:45 AM	40.0	44.8	39.1
12:45 AM - 12:50 AM	40.5	46.4	39.4
12:50 AM - 12:55 AM	42.7	52.8	39.4
12:55 AM - 01:00 AM	39.8	44.3	38.5
01:00 AM - 01:05 AM	39.7	49.2	38.6
01:05 AM - 01:10 AM	40.0	44.4	38.8
01:10 AM - 01:15 AM	40.0	57.4	38.5
01:15 AM - 01:20 AM	41.5	52.8	39.1
01:20 AM - 01:25 AM	40.0	43.7	39.0
01:25 AM - 01:30 AM	40.0	44.3	39.0
01:30 AM - 01:35 AM	40.6	45.8	39.4
01:35 AM - 01:40 AM	41.4	64.0	39.4
01:40 AM - 01:45 AM	43.5	68.2	39.6
01:45 AM - 01:50 AM	42.5	65.2	39.8
01:50 AM - 01:55 AM	40.2	47.3	39.0
01:55 AM - 02:00 AM	42.1	50.0	39.4
02:00 AM - 02:05 AM	40.5	43.3	39.6
02:05 AM - 02:10 AM	40.7	44.5	39.6
02:10 AM - 02:15 AM	41.5	49.1	39.6
02:15 AM - 02:20 AM	46.3	49.1	39.6
02:20 AM - 02:25 AM	46.3	64.2	39.5
02:25 AM - 02:30 AM	48.8	68.1	40.1
02:30 AM - 02:35 AM	44.7	59.0	39.1
02:35 AM - 02:40 AM	43.2	55.6	39.3
02:40 AM - 02:45 AM	41.3	51.7	39.3
02:45 AM - 02:50 AM	45.0	59.0	38.9
02:50 AM - 02:55 AM	46.1	63.2	39.5
02:55 AM - 03:00 AM	43.2	61.6	39.5
03:00 AM - 03:05 AM	44.0	52.9	40.0
03:05 AM - 03:10 AM	42.2	58.9	38.9
03:10 AM - 03:15 AM	42.1	51.4	39.2
03:15 AM - 03:20 AM	40.5	48.6	38.9
03:20 AM - 03:25 AM	40.7	60.1	39.2
03:25 AM - 03:30 AM	45.7	70.0	39.4
03:30 AM - 03:35 AM	40.8	47.7	39.0
03:35 AM - 03:40 AM	40.5	45.1	39.1
03:40 AM - 03:45 AM	42.0	51.0	39.0
03:45 AM - 03:50 AM	41.1	46.4	38.9
03:50 AM - 03:55 AM	40.5	49.1	38.7

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Wilawan Borik
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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459317-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample No. 2599080-34
Parameter Noise
Location กลุ่มบ้านหมู่ 1 บ้านแม่ลำภู (อ.แม่ลำภู) (NS) (จุดลำไส้) (GPS 47P 0744481, 1427788) (Shut down)
Measurement Date Nov 21 - 22, 2025
Measurement by Apichart Wilars
Sound Level Meter 531312

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	42.8	59.2	39.9
03:45 AM - 03:50 AM	40.3	44.9	39.1
03:50 AM - 03:55 AM	40.3	45.9	39.0
03:55 AM - 04:00 AM	39.5	43.8	38.6
04:00 AM - 04:05 AM	43.8	54.0	38.9
04:05 AM - 04:10 AM	41.3	45.1	39.2
04:10 AM - 04:15 AM	41.5	45.3	39.6
04:15 AM - 04:20 AM	42.7	47.5	40.0
04:20 AM - 04:25 AM	42.0	47.5	39.5
04:25 AM - 04:30 AM	42.2	49.7	40.4
04:30 AM - 04:35 AM	42.8	51.6	40.6
04:35 AM - 04:40 AM	42.9	51.5	40.8
04:40 AM - 04:45 AM	42.7	47.4	40.6
04:45 AM - 04:50 AM	42.5	52.7	40.7
04:50 AM - 04:55 AM	43.1	48.5	40.4
04:55 AM - 05:00 AM	43.2	47.7	40.6
05:00 AM - 05:05 AM	43.4	47.5	41.0
05:05 AM - 05:10 AM	43.7	48.2	41.5
05:10 AM - 05:15 AM	43.9	54.0	41.0
05:15 AM - 05:20 AM	43.7	49.6	41.6
05:20 AM - 05:25 AM	44.1	54.3	41.8
05:25 AM - 05:30 AM	44.9	59.9	43.0
05:30 AM - 05:35 AM	45.6	59.5	42.5
05:35 AM - 05:40 AM	44.4	50.1	42.4
05:40 AM - 05:45 AM	44.9	58.3	42.3
05:45 AM - 05:50 AM	43.9	52.2	42.1
05:50 AM - 05:55 AM	44.5	53.7	42.5
05:55 AM - 06:00 AM	43.2	49.6	43.1
06:00 AM - 07:00 AM	47.9	73.4	42.1
07:00 AM - 08:00 AM	49.3	74.2	42.6
08:00 AM - 09:00 AM	56.2	78.3	43.3
09:00 AM - 10:00 AM	48.1	68.2	42.6

Reference Method :

1. ISO 1996-1

2. ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงที่ฐานารับเสียงของสถานีวัดการรบกวน การตรวจวัดและคำนวณระดับเสียงของสถานีการรบกวน การคำนวณการรบกวนการรบกวน และแนวปฏิบัติในการตรวจวัดเสียงรบกวน พ.ศ. 2565

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Wilawan Borik
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TESTING
No.0042

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459318-1

Page 3 of 3

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	43.8	70.0	39.0
03:45 AM - 03:50 AM	39.8	41.7	38.0
03:50 AM - 03:55 AM	39.2	45.5	38.5
03:55 AM - 04:00 AM	46.9	46.9	38.5
04:00 AM - 04:05 AM	40.2	48.8	38.6
04:05 AM - 04:10 AM	40.2	50.4	38.9
04:10 AM - 04:15 AM	41.1	48.0	40.0
04:15 AM - 04:20 AM	40.8	47.1	39.5
04:20 AM - 04:25 AM	40.7	48.0	39.5
04:25 AM - 04:30 AM	41.7	50.4	39.8
04:30 AM - 04:35 AM	41.3	54.6	39.7
04:35 AM - 04:40 AM	42.3	47.2	40.3
04:40 AM - 04:45 AM	42.5	50.2	40.6
04:45 AM - 04:50 AM	42.9	51.6	41.1
04:50 AM - 04:55 AM	42.8	49.4	41.2
04:55 AM - 05:00 AM	43.8	53.1	40.9
05:00 AM - 05:05 AM	43.8	57.4	40.9
05:05 AM - 05:10 AM	46.1	55.7	41.2
05:10 AM - 05:15 AM	43.7	53.5	40.7
05:15 AM - 05:20 AM	43.1	54.4	41.4
05:20 AM - 05:25 AM	44.3	54.8	41.3
05:25 AM - 05:30 AM	43.0	50.5	41.4
05:30 AM - 05:35 AM	42.8	51.4	41.3
05:35 AM - 05:40 AM	44.4	59.6	42.0
05:40 AM - 05:45 AM	44.4	57.4	42.1
05:45 AM - 05:50 AM	44.6	49.7	42.8
05:50 AM - 05:55 AM	46.4	60.2	42.2
05:55 AM - 06:00 AM	45.0	54.4	42.1
06:00 AM - 07:00 AM	51.1	68.6	42.4
07:00 AM - 08:00 AM	48.4	73.4	41.0
08:00 AM - 09:00 AM	45.4	68.1	40.4
09:00 AM - 11:00 AM	46.0	65.3	40.0

Approved by _____

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TESTING
No.0042

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459319-1

Page 2 of 3

Time	Lee (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:20 AM - 12:25 AM	49.3	53.5	47.7
12:25 AM - 12:30 AM	49.3	54.5	47.6
12:30 AM - 12:35 AM	54.6	63.1	49.9
12:35 AM - 12:40 AM	54.7	66.8	51.4
12:40 AM - 12:45 AM	55.1	63.4	52.0
12:45 AM - 12:50 AM	52.5	57.2	50.8
12:50 AM - 12:55 AM	53.9	59.3	51.3
12:55 AM - 01:00 AM	53.6	57.5	51.3
01:00 AM - 01:05 AM	53.1	57.4	50.4
01:05 AM - 01:10 AM	52.9	57.7	50.7
01:10 AM - 01:15 AM	50.2	56.1	48.4
01:15 AM - 01:20 AM	49.3	53.1	48.5
01:20 AM - 01:25 AM	49.2	53.8	47.5
01:25 AM - 01:30 AM	50.3	54.4	48.1
01:30 AM - 01:35 AM	52.6	56.4	51.4
01:35 AM - 01:40 AM	52.2	55.9	47.1
01:40 AM - 01:45 AM	46.7	49.9	45.8
01:45 AM - 01:50 AM	48.1	56.1	46.1
01:50 AM - 01:55 AM	48.1	52.1	46.7
01:55 AM - 02:00 AM	48.2	51.1	46.5
02:00 AM - 02:05 AM	47.3	59.9	46.9
02:05 AM - 02:10 AM	51.2	54.9	49.7
02:10 AM - 02:15 AM	52.5	56.3	50.0
02:15 AM - 02:20 AM	53.1	59.6	51.0
02:20 AM - 02:25 AM	52.9	56.4	51.2
02:25 AM - 02:30 AM	51.3	55.6	49.8
02:30 AM - 02:35 AM	52.6	56.2	50.6
02:35 AM - 02:40 AM	52.2	54.2	51.2
02:40 AM - 02:45 AM	51.6	54.5	50.9
02:45 AM - 02:50 AM	51.4	53.5	50.8
02:50 AM - 02:55 AM	49.4	53.2	47.5
02:55 AM - 03:00 AM	47.1	51.5	46.2
03:00 AM - 03:05 AM	47.6	51.4	46.5
03:05 AM - 03:10 AM	47.5	51.8	46.4
03:10 AM - 03:15 AM	47.5	51.4	46.5
03:15 AM - 03:20 AM	47.1	51.3	45.8
03:20 AM - 03:25 AM	49.0	52.8	47.8
03:25 AM - 03:30 AM	54.3	57.6	49.9
03:30 AM - 03:35 AM	54.9	57.3	53.9
03:35 AM - 03:40 AM	54.9	54.1	51.8

Approved by _____

Wilawan Borirak
Manager

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Life Sciences

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TESTING
No.0042

Lot ID: 2599080
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report No. : 3459319-1

Page 1 of 1

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	47.3	58.8	44.5
11:00 AM - 12:00 PM	49.4	62.8	45.8
12:00 PM - 01:00 PM	50.2	63.4	46.1
01:00 PM - 02:00 PM	51.9	64.3	46.9
02:00 PM - 03:00 PM	50.2	67.3	46.0
03:00 PM - 04:00 PM	51.2	68.9	47.2
04:00 PM - 05:00 PM	48.6	66.9	45.7
05:00 PM - 06:00 PM	50.4	65.0	47.3
06:00 PM - 07:00 PM	58.6	72.7	54.2
07:00 PM - 08:00 PM	55.6	71.2	51.8
08:00 PM - 09:00 PM	55.4	69.3	51.3
09:00 PM - 10:00 PM	51.7	69.6	48.2
10:00 PM - 10:05 PM	42.9	52.9	47.3
10:05 PM - 10:10 PM	54.9	61.1	49.3
10:10 PM - 10:15 PM	52.3	55.1	48.3
10:15 PM - 10:20 PM	48.2	52.9	45.7
10:20 PM - 10:25 PM	49.0	53.1	46.2
10:25 PM - 10:30 PM	49.4	53.1	47.0
10:30 PM - 10:35 PM	50.2	53.1	48.5
10:35 PM - 10:40 PM	50.8	53.8	49.3
10:40 PM - 10:45 PM	49.9	53.8	48.0
10:45 PM - 10:50 PM	49.9	54.1	47.9
10:50 PM - 10:55 PM	49.2	53.5	47.0
10:55 PM - 11:00 PM	50.0	55.3	47.1
11:00 PM - 11:05 PM	49.8	55.0	47.4
11:05 PM - 11:10 PM	49.3	54.6	46.9
11:10 PM - 11:15 PM	49.8	54.2	47.3
11:15 PM - 11:20 PM	50.2	54.0	47.9
11:20 PM - 11:25 PM	49.3	52.7	47.2
11:25 PM - 11:30 PM	50.1	54.2	47.0
11:30 PM - 11:35 PM	49.9	54.2	47.4
11:35 PM - 11:40 PM	49.8	55.5	47.3
11:40 PM - 11:45 PM	49.4	54.1	47.5
11:45 PM - 11:50 PM	50.4	55.0	48.0
11:50 PM - 11:55 PM	51.4	56.4	49.4
11:55 PM - 12:00 AM	52.0	60.4	49.6
12:00 AM - 12:05 AM	52.4	59.6	50.2
12:05 AM - 12:10 AM	51.5	58.3	49.5
12:10 AM - 12:15 AM	51.9	58.9	49.6
12:15 AM - 12:20 AM	49.8	57.8	48.8

Approved by _____

Wilawan Borin
Manager

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TESTING
No.0042

Lot ID: 2599080
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report No. : 3459319-1

Page 3 of 1

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	51.7	56.7	48.6
03:45 AM - 03:50 AM	48.9	53.1	47.3
03:50 AM - 03:55 AM	48.9	54.0	46.2
03:55 AM - 04:00 AM	48.2	53.7	46.6
04:00 AM - 04:05 AM	47.2	53.2	45.8
04:05 AM - 04:10 AM	47.1	53.1	44.7
04:10 AM - 04:15 AM	48.0	52.4	45.7
04:15 AM - 04:20 AM	48.5	53.1	46.8
04:20 AM - 04:25 AM	48.1	54.0	47.1
04:25 AM - 04:30 AM	49.2	54.6	47.0
04:30 AM - 04:35 AM	49.1	55.5	45.9
04:35 AM - 04:40 AM	47.2	53.6	45.7
04:40 AM - 04:45 AM	50.1	50.1	45.2
04:45 AM - 04:50 AM	47.2	50.1	45.8
04:50 AM - 04:55 AM	47.5	53.3	45.3
04:55 AM - 05:00 AM	47.6	51.0	46.1
05:00 AM - 05:05 AM	49.1	54.2	45.8
05:05 AM - 05:10 AM	50.5	52.7	47.6
05:10 AM - 05:15 AM	50.3	54.5	47.7
05:15 AM - 05:20 AM	49.8	55.1	46.5
05:20 AM - 05:25 AM	48.8	54.0	46.3
05:25 AM - 05:30 AM	49.8	54.7	47.3
05:30 AM - 05:35 AM	49.5	54.4	45.9
05:35 AM - 05:40 AM	48.4	53.8	45.4
05:40 AM - 05:45 AM	49.3	53.2	46.0
05:45 AM - 05:50 AM	49.8	52.1	46.4
05:50 AM - 05:55 AM	49.5	53.4	46.0
05:55 AM - 06:00 AM	49.4	53.5	45.4
06:00 AM - 07:00 AM	49.8	65.0	46.8
07:00 AM - 08:00 AM	49.8	62.9	47.4
08:00 AM - 09:00 AM	51.3	66.9	48.8
09:00 AM - 10:00 AM	52.1	59.6	50.1

Approved by _____

Willawan Borin
Manager

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Life Sciences

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459320-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599080-37
Parameter Noise
Location บริเวณขอบเขตพื้นที่โครงการด้านทิศตะวันตกใกล้ชุมชนบางกอก (N6) (จุดอ้างอิง) (GPS 47P 0744842, 1428734) (Shut down)
Measurement Date Nov 17 - 18, 2025
Measurement by Apichart Wilars
Sound Level Meter 531293

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	50.7	66.2	48.1
11:00 AM - 12:00 PM	50.0	68.8	46.9
12:00 PM - 01:00 PM	47.7	63.3	45.3
01:00 PM - 02:00 PM	46.3	61.9	44.4
02:00 PM - 03:00 PM	46.4	65.8	44.5
03:00 PM - 04:00 PM	48.8	63.9	46.8
04:00 PM - 05:00 PM	46.7	61.2	44.8
05:00 PM - 06:00 PM	47.4	66.6	44.2
06:00 PM - 07:00 PM	55.9	67.3	52.9
07:00 PM - 08:00 PM	54.6	66.1	51.6
08:00 PM - 09:00 PM	56.2	65.9	52.0
09:00 PM - 10:00 PM	50.3	58.4	47.6
10:00 PM - 10:05 PM	53.4	56.2	51.6
10:05 PM - 10:10 PM	51.8	56.8	47.9
10:10 PM - 10:15 PM	51.0	54.9	47.9
10:15 PM - 10:20 PM	50.5	54.5	47.1
10:20 PM - 10:25 PM	54.7	60.3	47.4
10:25 PM - 10:30 PM	58.5	61.5	47.9
10:30 PM - 10:35 PM	50.6	56.9	47.3
10:35 PM - 10:40 PM	50.0	57.4	47.2
10:40 PM - 10:45 PM	49.0	57.7	46.8
10:45 PM - 10:50 PM	50.0	55.7	47.5
10:50 PM - 10:55 PM	51.5	55.9	48.5
10:55 PM - 11:00 PM	49.4	54.3	47.1
11:00 PM - 11:05 PM	49.1	55.4	46.7
11:05 PM - 11:10 PM	48.7	55.4	46.4
11:10 PM - 11:15 PM	50.4	55.0	47.4
11:15 PM - 11:20 PM	49.2	53.4	46.9
11:20 PM - 11:25 PM	49.2	54.2	46.7
11:25 PM - 11:30 PM	48.7	54.0	46.6
11:30 PM - 11:35 PM	51.8	56.8	47.8
11:35 PM - 11:40 PM	52.0	56.7	48.1
11:40 PM - 11:45 PM	50.5	54.9	47.6
11:45 PM - 11:50 PM	50.8	56.1	47.9
11:50 PM - 11:55 PM	51.5	55.4	48.4
11:55 PM - 12:00 AM	50.8	55.2	47.5
12:00 AM - 12:05 AM	45.8	53.8	48.0
12:05 AM - 12:10 AM	50.1	54.6	47.9
12:10 AM - 12:15 AM	51.3	65.2	48.5
12:15 AM - 12:20 AM	50.2	55.5	48.2

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459320-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599080-37
Parameter Noise
Location บริเวณขอบเขตพื้นที่โครงการด้านทิศตะวันตกใกล้ชุมชนบางกอก (N6) (จุดอ้างอิง) (GPS 47P 0744842, 1428734) (Shut down)
Measurement Date Nov 17 - 18, 2025
Measurement by Apichart Wilars
Sound Level Meter 531293

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:20 AM - 12:25 AM	50.7	55.7	48.5
12:25 AM - 12:30 AM	52.2	57.2	49.5
12:30 AM - 12:35 AM	52.1	56.5	49.0
12:35 AM - 12:40 AM	51.1	57.3	47.9
12:40 AM - 12:45 AM	50.6	58.6	48.0
12:45 AM - 12:50 AM	50.8	56.1	48.4
12:50 AM - 12:55 AM	49.4	53.6	47.3
12:55 AM - 01:00 AM	50.4	55.4	47.6
01:00 AM - 01:05 AM	49.8	54.8	47.3
01:05 AM - 01:10 AM	49.2	54.3	47.5
01:10 AM - 01:15 AM	57.6	61.2	48.3
01:15 AM - 01:20 AM	48.9	53.7	47.1
01:20 AM - 01:25 AM	48.4	54.3	46.5
01:25 AM - 01:30 AM	48.8	52.9	46.4
01:30 AM - 01:35 AM	46.8	50.1	45.7
01:35 AM - 01:40 AM	48.8	53.0	46.5
01:40 AM - 01:45 AM	49.0	54.7	46.8
01:45 AM - 01:50 AM	47.9	53.2	46.4
01:50 AM - 01:55 AM	48.5	54.1	46.9
01:55 AM - 02:00 AM	48.5	52.5	46.6
02:00 AM - 02:05 AM	48.1	52.5	46.2
02:05 AM - 02:10 AM	48.6	57.7	46.4
02:10 AM - 02:15 AM	48.7	59.0	46.1
02:15 AM - 02:20 AM	48.9	53.0	46.4
02:20 AM - 02:25 AM	48.7	52.5	46.6
02:25 AM - 02:30 AM	48.9	53.0	46.5
02:30 AM - 02:35 AM	48.3	52.5	46.1
02:35 AM - 02:40 AM	48.5	52.5	46.2
02:40 AM - 02:45 AM	48.6	52.7	45.9
02:45 AM - 02:50 AM	48.2	52.2	45.9
02:50 AM - 02:55 AM	47.7	52.0	45.8
02:55 AM - 03:00 AM	50.5	56.0	47.5
03:00 AM - 03:05 AM	48.5	52.1	46.5
03:05 AM - 03:10 AM	48.8	52.1	46.4
03:10 AM - 03:15 AM	48.3	52.0	46.1
03:15 AM - 03:20 AM	48.7	56.4	46.6
03:20 AM - 03:25 AM	47.4	52.4	45.5
03:25 AM - 03:30 AM	46.7	50.5	45.2
03:30 AM - 03:35 AM	46.5	49.9	45.1
03:35 AM - 03:40 AM	46.7	49.8	45.1

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459320-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample No. 2599080-37
Parameter Noise
Location บริเวณขอบเขตพื้นที่โครงการด้านทิศตะวันตกใกล้ชุมชนบางกอก (N6) (จุดอ้างอิง) (GPS 47P 0744842, 1428734) (Shut down)
Measurement Date Nov 17 - 18, 2025
Measurement by Apichart Wilars
Sound Level Meter 531293

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	45.6	49.4	45.3
03:45 AM - 03:50 AM	46.1	49.1	44.9
03:50 AM - 03:55 AM	45.6	48.6	44.7
03:55 AM - 04:00 AM	55.5	61.9	45.0
04:00 AM - 04:05 AM	49.0	59.6	44.3
04:05 AM - 04:10 AM	45.2	50.6	43.8
04:10 AM - 04:15 AM	44.4	47.9	43.4
04:15 AM - 04:20 AM	45.1	47.4	44.1
04:20 AM - 04:25 AM	45.8	56.9	44.9
04:25 AM - 04:30 AM	45.5	49.9	44.3
04:30 AM - 04:35 AM	45.7	51.1	44.3
04:35 AM - 04:40 AM	45.3	49.1	43.9
04:40 AM - 04:45 AM	45.3	48.6	44.1
04:45 AM - 04:50 AM	46.5	46.6	44.6
04:50 AM - 04:55 AM	45.6	48.3	44.3
04:55 AM - 05:00 AM	45.4	48.3	44.1
05:00 AM - 05:05 AM	45.6	49.1	44.4
05:05 AM - 05:10 AM	45.8	45.5	44.5
05:10 AM - 05:15 AM	46.0	49.6	44.6
05:15 AM - 05:20 AM	46.1	50.1	44.9
05:20 AM - 05:25 AM	46.7	55.6	44.9
05:25 AM - 05:30 AM	46.4	49.6	45.0
05:30 AM - 05:35 AM	45.7	52.9	43.8
05:35 AM - 05:40 AM	45.0	49.0	43.6
05:40 AM - 05:45 AM	45.6	52.6	43.9
05:45 AM - 05:50 AM	45.3	59.4	44.3
05:50 AM - 05:55 AM	48.3	62.7	46.0
05:55 AM - 06:00 AM	47.4	50.9	46.1
06:00 AM - 07:00 AM	48.3	57.5	46.9
07:00 AM - 08:00 AM	46.7	62.2	45.0
08:00 AM - 09:00 AM	49.1	68.8	47.0
09:00 AM - 10:00 AM	51.8	72.2	48.4

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมเสียงรบกวน เรื่อง วิธีการตรวจวัดเสียงรบกวน จากเสียงของยานพาหนะ การตรวจวัดและคำนวณระดับเสียงของกิจกรรม การคำนวณเสียงรบกวน และแบบฉบับการตรวจวัดเสียงรบกวน พ.ศ. 2565

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459321-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599080-38
Parameter Noise
Location บริเวณขอบเขตพื้นที่โครงการด้านทิศตะวันตกใกล้ชุมชนบางกอก (N6) (จุดอ้างอิง) (GPS 47P 0744842, 1428734) (Shut down)
Measurement Date Nov 18 - 19, 2025
Measurement by Apichart Wilars
Sound Level Meter 531293

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	50.0	63.4	47.5
11:00 AM - 12:00 PM	49.8	66.5	46.5
12:00 PM - 01:00 PM	45.5	55.6	43.4
01:00 PM - 02:00 PM	48.1	55.8	44.9
02:00 PM - 03:00 PM	50.5	66.2	47.1
03:00 PM - 04:00 PM	49.6	61.6	47.1
04:00 PM - 05:00 PM	47.6	60.9	45.3
05:00 PM - 06:00 PM	46.3	59.9	44.6
06:00 PM - 07:00 PM	52.5	66.2	50.9
07:00 PM - 08:00 PM	51.6	58.8	49.8
08:00 PM - 09:00 PM	50.8	65.7	48.7
09:00 PM - 10:00 PM	51.1	63.8	49.2
10:00 PM - 10:05 PM	51.9	55.5	49.4
10:05 PM - 10:10 PM	51.6	63.9	49.1
10:10 PM - 10:15 PM	51.5	64.5	49.1
10:15 PM - 10:20 PM	50.3	57.2	48.5
10:20 PM - 10:25 PM	49.1	52.1	48.0
10:25 PM - 10:30 PM	49.0	54.1	47.9
10:30 PM - 10:35 PM	48.4	51.2	47.4
10:35 PM - 10:40 PM	48.8	56.8	47.3
10:40 PM - 10:45 PM	49.0	55.3	47.8
10:45 PM - 10:50 PM	49.8	55.4	48.3
10:50 PM - 10:55 PM	50.5	58.5	49.0
10:55 PM - 11:00 PM	50.3	59.0	48.9
11:00 PM - 11:05 PM	50.5	56.3	49.0
11:05 PM - 11:10 PM	49.4	52.9	48.2
11:10 PM - 11:15 PM	48.9	52.4	47.7
11:15 PM - 11:20 PM	49.2	52.4	48.0
11:20 PM - 11:25 PM	49.7	59.2	48.2
11:25 PM - 11:30 PM	49.3	52.6	48.3
11:30 PM - 11:35 PM	49.4	56.5	48.1
11:35 PM - 11:40 PM	50.8	54.6	49.3
11:40 PM - 11:45 PM	51.7	56.4	49.3
11:45 PM - 11:50 PM	51.6	59.5	49.0
11:50 PM - 11:55 PM	50.0	54.0	49.0
11:55 PM - 12:00 AM	51.2	58.1	49.5
12:00 AM - 12:05 AM	49.7	51.9	48.8
12:05 AM - 12:10 AM	54.3	62.3	50.8
12:10 AM - 12:15 AM	52.1	58.2	49.4
12:15 AM - 12:20 AM	52.5	57.6	50.3

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459321-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599080-38
Parameter Noise
Location บริเวณขอบเขตพื้นที่โครงการด้านทิศตะวันตกใกล้ถนนบางนาตราด (N6) (จุดข้างใต้) (GPS 47P 074482, 1428734) (Shut down)
Measurement Date Nov 18 - 19, 2025
Measurement by Apichart Wilars
Sound Level Meter 531293

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	52.8	57.9	49.6
12:35 AM - 12:40 AM	53.8	59.6	50.7
12:40 AM - 12:45 AM	52.5	58.1	50.4
12:45 AM - 12:50 AM	50.7	54.7	49.2
12:50 AM - 12:55 AM	50.5	54.2	48.9
12:55 AM - 01:00 AM	50.2	56.0	49.1
01:00 AM - 01:05 AM	50.2	55.3	48.9
01:05 AM - 01:10 AM	52.9	60.6	50.4
01:10 AM - 01:15 AM	52.1	58.0	50.5
01:15 AM - 01:20 AM	52.8	58.0	50.7
01:20 AM - 01:25 AM	52.1	58.0	50.1
01:25 AM - 01:30 AM	51.3	58.8	49.1
01:30 AM - 01:35 AM	51.9	59.4	49.5
01:35 AM - 01:40 AM	51.5	56.9	50.2
01:40 AM - 01:45 AM	54.5	64.4	48.6
01:45 AM - 01:50 AM	52.0	68.6	48.0
01:50 AM - 01:55 AM	54.7	65.0	48.2
01:55 AM - 02:00 AM	51.4	57.0	49.4
02:00 AM - 02:05 AM	52.0	56.6	50.4
02:05 AM - 02:10 AM	57.5	62.6	55.6
02:10 AM - 02:15 AM	56.2	61.2	54.6
02:15 AM - 02:20 AM	58.1	63.8	56.6
02:20 AM - 02:25 AM	57.3	63.9	54.2
02:25 AM - 02:30 AM	51.1	63.2	48.2
02:30 AM - 02:35 AM	48.6	56.2	46.5
02:35 AM - 02:40 AM	49.2	59.1	46.7
02:40 AM - 02:45 AM	49.4	53.9	47.2
02:45 AM - 02:50 AM	47.9	54.8	46.3
02:50 AM - 02:55 AM	49.8	59.2	46.4
02:55 AM - 03:00 AM	48.5	53.0	46.4
03:00 AM - 03:05 AM	50.5	58.4	47.4
03:05 AM - 03:10 AM	50.1	55.4	47.2
03:10 AM - 03:15 AM	49.8	62.7	46.4
03:15 AM - 03:20 AM	47.5	57.8	45.8
03:20 AM - 03:25 AM	46.4	50.1	45.5
03:25 AM - 03:30 AM	46.4	51.4	45.4
03:30 AM - 03:35 AM	46.2	50.6	45.0
03:35 AM - 03:40 AM	46.7	50.9	45.3

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Approved by

Wibab.

Wilawan Borikar
Manager

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459321-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample No. 2599080-38
Parameter Noise
Location บริเวณขอบเขตพื้นที่โครงการด้านทิศตะวันตกใกล้ถนนบางนาตราด (N6) (จุดข้างใต้) (GPS 47P 074482, 1428734) (Shut down)
Measurement Date Nov 18 - 19, 2025
Measurement by Apichart Wilars
Sound Level Meter 531293

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	46.8	51.7	45.1
03:45 AM - 03:50 AM	53.8	70.8	46.2
03:50 AM - 03:55 AM	46.5	59.2	45.2
03:55 AM - 04:00 AM	46.3	49.6	46.2
04:00 AM - 04:05 AM	45.8	50.9	44.6
04:05 AM - 04:10 AM	46.2	50.9	44.7
04:10 AM - 04:15 AM	46.6	50.5	44.5
04:15 AM - 04:20 AM	50.2	66.9	45.2
04:20 AM - 04:25 AM	47.5	52.5	44.8
04:25 AM - 04:30 AM	47.4	52.3	45.1
04:30 AM - 04:35 AM	46.7	51.8	45.0
04:35 AM - 04:40 AM	46.4	51.0	44.8
04:40 AM - 04:45 AM	47.8	53.4	45.6
04:45 AM - 04:50 AM	48.5	52.6	45.7
04:50 AM - 04:55 AM	48.0	52.4	46.3
04:55 AM - 05:00 AM	48.2	53.4	46.6
05:00 AM - 05:05 AM	47.6	52.2	46.1
05:05 AM - 05:10 AM	47.0	54.7	45.9
05:10 AM - 05:15 AM	47.4	51.8	45.7
05:15 AM - 05:20 AM	48.0	52.0	46.5
05:20 AM - 05:25 AM	47.5	51.9	45.9
05:25 AM - 05:30 AM	48.4	54.0	45.9
05:30 AM - 05:35 AM	49.5	54.0	46.8
05:35 AM - 05:40 AM	49.4	54.2	47.2
05:40 AM - 05:45 AM	52.3	58.0	48.9
05:45 AM - 05:50 AM	53.8	61.0	53.0
05:50 AM - 05:55 AM	54.2	64.4	51.2
05:55 AM - 06:00 AM	54.6	68.1	51.8
06:00 AM - 07:00 AM	56.9	68.6	53.4
07:00 AM - 08:00 AM	58.5	68.0	54.7
08:00 AM - 09:00 AM	61.2	75.3	56.2
09:00 AM - 10:00 AM	61.9	74.7	56.7

Reference Method :

- ISO 1996-1
- ประเภททดสอบการวัดความดังเสียง สิ่งมีชีวิตการตรวจวัดเสียงในสิ่งแวดล้อม การตรวจวัดและคำนวณระดับเสียงของเหตุการณ์ การทำนายผลกระทบการรบกวน และแนวปฏิบัติของการตรวจวัดเสียงตาม พ.ร.บ. 2565

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Approved by

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459322-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599080-39
Parameter Noise
Location บริเวณขอบเขตพื้นที่โครงการด้านทิศตะวันตกใกล้ถนนบางนาตราด (N6) (จุดข้างใต้) (GPS 47P 074482, 1428734) (Shut down)
Measurement Date Nov 19 - 20, 2025
Measurement by Apichart Wilars
Sound Level Meter 531293

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	57.9	67.0	54.4
11:00 AM - 12:00 PM	56.1	69.2	52.5
12:00 PM - 01:00 PM	57.5	75.5	51.0
01:00 PM - 02:00 PM	57.5	73.2	52.7
02:00 PM - 03:00 PM	54.9	68.2	51.4
03:00 PM - 04:00 PM	53.1	72.4	50.2
04:00 PM - 05:00 PM	51.3	68.0	48.7
05:00 PM - 06:00 PM	50.2	66.7	47.3
06:00 PM - 07:00 PM	58.1	71.0	54.5
07:00 PM - 08:00 PM	61.6	74.0	57.1
08:00 PM - 09:00 PM	60.7	72.5	56.1
09:00 PM - 10:00 PM	60.9	78.3	56.1
10:00 PM - 10:05 PM	54.0	63.4	51.4
10:05 PM - 10:10 PM	53.0	62.7	50.2
10:10 PM - 10:15 PM	50.0	55.1	48.6
10:15 PM - 10:20 PM	50.0	55.8	48.3
10:20 PM - 10:25 PM	50.8	57.7	49.0
10:25 PM - 10:30 PM	50.8	57.1	48.6
10:30 PM - 10:35 PM	50.2	55.8	48.4
10:35 PM - 10:40 PM	51.7	59.7	49.5
10:40 PM - 10:45 PM	51.6	57.5	50.2
10:45 PM - 10:50 PM	52.2	58.8	50.8
10:50 PM - 10:55 PM	53.7	61.1	51.1
10:55 PM - 11:00 PM	55.2	62.6	51.4
11:00 PM - 11:05 PM	56.0	63.8	52.7
11:05 PM - 11:10 PM	55.7	62.8	52.7
11:10 PM - 11:15 PM	54.6	62.7	51.1
11:15 PM - 11:20 PM	55.7	62.4	52.5
11:20 PM - 11:25 PM	56.5	65.7	52.5
11:25 PM - 11:30 PM	54.8	65.7	51.4
11:30 PM - 11:35 PM	54.5	61.3	51.8
11:35 PM - 11:40 PM	56.5	63.0	53.2
11:40 PM - 11:45 PM	59.2	69.5	54.5
11:45 PM - 11:50 PM	58.5	63.5	53.7
11:50 PM - 11:55 PM	60.6	71.3	54.8
11:55 PM - 12:00 AM	59.5	72.1	55.1
12:00 AM - 12:05 AM	63.1	71.4	57.6
12:05 AM - 12:10 AM	58.9	77.2	54.9
12:10 AM - 12:15 AM	58.2	64.9	53.9
12:15 AM - 12:20 AM	56.6	66.4	52.6

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459322-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599080-39
Parameter Noise
Location บริเวณขอบเขตพื้นที่โครงการด้านทิศตะวันตกใกล้ถนนบางนาตราด (N6) (จุดข้างใต้) (GPS 47P 074482, 1428734) (Shut down)
Measurement Date Nov 19 - 20, 2025
Measurement by Apichart Wilars
Sound Level Meter 531293

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	55.9	63.4	53.0
12:35 AM - 12:40 AM	56.6	64.4	53.9
12:40 AM - 12:45 AM	56.7	64.0	53.4
12:45 AM - 12:50 AM	57.8	65.7	53.5
12:50 AM - 12:55 AM	54.5	50.2	50.2
12:55 AM - 01:00 AM	54.7	62.1	48.4
01:00 AM - 01:05 AM	53.8	61.5	51.0
01:05 AM - 01:10 AM	53.8	63.2	49.8
01:10 AM - 01:15 AM	51.8	61.6	51.1
01:15 AM - 01:20 AM	51.7	58.7	47.5
01:20 AM - 01:25 AM	55.0	60.6	50.7
01:25 AM - 01:30 AM	56.5	55.3	46.1
01:30 AM - 01:35 AM	51.4	57.7	49.0
01:35 AM - 01:40 AM	53.6	61.3	49.8
01:40 AM - 01:45 AM	52.7	61.1	49.6
01:45 AM - 01:50 AM	52.9	57.6	50.3
01:50 AM - 01:55 AM	54.5	63.4	49.1
01:55 AM - 02:00 AM	53.0	58.6	49.7
02:00 AM - 02:05 AM	52.6	60.4	49.1
02:05 AM - 02:10 AM	55.5	64.2	50.9
02:10 AM - 02:15 AM	54.8	60.0	52.4
02:15 AM - 02:20 AM	55.4	62.2	52.5
02:20 AM - 02:25 AM	52.8	60.1	50.0
02:25 AM - 02:30 AM	55.1	64.0	52.5
02:30 AM - 02:35 AM	57.6	75.5	53.2
02:35 AM - 02:40 AM	60.3	66.8	56.2
02:40 AM - 02:45 AM	57.4	63.4	53.8
02:45 AM - 02:50 AM	56.6	64.1	53.2
02:50 AM - 02:55 AM	57.5	65.3	53.8
02:55 AM - 03:00 AM	57.9	66.0	53.9
03:00 AM - 03:05 AM	59.3	67.2	55.2
03:05 AM - 03:10 AM	57.0	60.7	57.0
03:10 AM - 03:15 AM	57.5	63.9	53.9
03:15 AM - 03:20 AM	56.3	62.4	52.8
03:20 AM - 03:25 AM	58.8	67.5	54.2
03:25 AM - 03:30 AM	58.8	67.5	54.9
03:30 AM - 03:35 AM	56.2	63.7	52.9
03:35 AM - 03:40 AM	56.2	65.1	49.5

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Wilawan Borikar
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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459323-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599080-39
Parameter Noise
Location บริเวณขอบเขตพื้นที่โครงการด้านทิศตะวันตกใกล้ถนนพหลโยธิน (N6) (จุดอ้างอิง) (GPS 47P 0744842, 1428734) (Shut down)
Measurement Date Nov 20 - 21, 2025
Measurement by Apichart Wilars
Sound Level Meter 531293

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	50.1	50.0	46.3
03:45 AM - 03:50 AM	54.0	60.3	50.3
03:50 AM - 03:55 AM	52.0	59.2	49.0
03:55 AM - 04:00 AM	55.7	65.3	50.6
04:00 AM - 04:05 AM	53.6	64.3	47.7
04:05 AM - 04:10 AM	53.7	59.7	49.2
04:10 AM - 04:15 AM	53.8	62.7	49.4
04:15 AM - 04:20 AM	52.3	59.1	48.7
04:20 AM - 04:25 AM	51.7	57.4	48.8
04:25 AM - 04:30 AM	48.5	57.0	46.4
04:30 AM - 04:35 AM	50.7	57.8	46.9
04:35 AM - 04:40 AM	51.0	57.4	48.0
04:40 AM - 04:45 AM	48.3	56.0	45.8
04:45 AM - 04:50 AM	51.0	60.4	45.6
04:50 AM - 04:55 AM	50.5	60.1	47.8
04:55 AM - 05:00 AM	54.2	62.2	50.8
05:00 AM - 05:05 AM	52.6	61.0	48.9
05:05 AM - 05:10 AM	48.6	55.7	46.2
05:10 AM - 05:15 AM	48.1	54.0	45.8
05:15 AM - 05:20 AM	47.8	52.7	46.2
05:20 AM - 05:25 AM	49.6	56.9	46.4
05:25 AM - 05:30 AM	51.7	66.4	46.9
05:30 AM - 05:35 AM	50.3	56.4	47.3
05:35 AM - 05:40 AM	50.3	56.1	47.6
05:40 AM - 05:45 AM	49.1	53.8	46.9
05:45 AM - 05:50 AM	48.9	57.7	45.7
05:50 AM - 05:55 AM	47.8	56.0	45.4
05:55 AM - 06:00 AM	47.9	52.1	46.2
06:00 AM - 07:00 AM	49.2	60.6	46.6
07:00 AM - 08:00 AM	50.6	65.3	47.7
08:00 AM - 09:00 AM	53.3	68.7	50.0
09:00 AM - 10:00 AM	56.2	71.0	53.3

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมเสียงรบกวน เรื่อง วิธีการตรวจวัดระดับเสียงที่ฐาน ระดับเสียงขณะปฏิบัติงาน การตรวจวัดและคำนวณระดับเสียงขณะปฏิบัติงาน การคำนวณการรบกวน และการบันทึกผลการตรวจวัดเสียงรบกวน พ.ศ. 2565

Approved by

Wilwan Borik
Wilwan Borik
Manager

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459323-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599080-40
Parameter Noise
Location บริเวณขอบเขตพื้นที่โครงการด้านทิศตะวันตกใกล้ถนนพหลโยธิน (N6) (จุดอ้างอิง) (GPS 47P 0744842, 1428734) (Shut down)
Measurement Date Nov 20 - 21, 2025
Measurement by Apichart Wilars
Sound Level Meter 531293

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	59.7	71.9	56.2
11:00 AM - 12:00 PM	55.2	75.2	51.6
12:00 PM - 01:00 PM	51.6	72.5	47.7
01:00 PM - 02:00 PM	50.9	68.1	47.9
02:00 PM - 03:00 PM	52.7	75.1	52.9
03:00 PM - 04:00 PM	55.6	71.4	52.3
04:00 PM - 05:00 PM	52.3	75.3	49.5
05:00 PM - 06:00 PM	51.3	61.4	48.6
06:00 PM - 07:00 PM	52.1	64.4	50.1
07:00 PM - 08:00 PM	51.0	58.9	49.1
08:00 PM - 09:00 PM	51.9	62.3	49.5
09:00 PM - 10:00 PM	50.1	59.8	47.9
10:00 PM - 10:05 PM	49.7	54.6	47.3
10:05 PM - 10:10 PM	48.4	52.6	47.0
10:10 PM - 10:15 PM	48.2	52.3	46.9
10:15 PM - 10:20 PM	49.0	52.5	47.5
10:20 PM - 10:25 PM	50.2	54.0	48.3
10:25 PM - 10:30 PM	50.3	54.2	48.6
10:30 PM - 10:35 PM	49.5	58.7	47.7
10:35 PM - 10:40 PM	49.6	53.0	47.8
10:40 PM - 10:45 PM	49.0	53.1	47.0
10:45 PM - 10:50 PM	48.5	52.8	47.1
10:50 PM - 10:55 PM	47.3	52.1	45.9
10:55 PM - 11:00 PM	48.6	62.7	46.2
11:00 PM - 11:05 PM	48.2	53.0	46.1
11:05 PM - 11:10 PM	46.7	49.3	45.8
11:10 PM - 11:15 PM	46.8	49.7	45.9
11:15 PM - 11:20 PM	46.8	49.5	45.7
11:20 PM - 11:25 PM	46.7	51.3	45.7
11:25 PM - 11:30 PM	46.6	52.9	45.5
11:30 PM - 11:35 PM	47.1	51.6	46.0
11:35 PM - 11:40 PM	48.3	55.7	46.7
11:40 PM - 11:45 PM	47.5	51.8	45.9
11:45 PM - 11:50 PM	47.9	51.4	46.4
11:50 PM - 11:55 PM	47.7	51.2	46.5
11:55 PM - 12:00 AM	48.0	51.5	46.9
12:00 AM - 12:05 AM	48.0	51.3	46.7
12:05 AM - 12:10 AM	48.1	51.8	46.9
12:10 AM - 12:15 AM	49.8	53.2	48.0
12:15 AM - 12:20 AM	49.9	53.9	48.4

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459323-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599080-40
Parameter Noise
Location บริเวณขอบเขตพื้นที่โครงการด้านทิศตะวันตกใกล้ถนนพหลโยธิน (N6) (จุดอ้างอิง) (GPS 47P 0744842, 1428734) (Shut down)
Measurement Date Nov 20 - 21, 2025
Measurement by Apichart Wilars
Sound Level Meter 531293

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	50.4	53.0	48.1
12:35 AM - 12:40 AM	49.5	53.0	48.3
12:40 AM - 12:45 AM	49.8	53.5	48.0
12:45 AM - 12:50 AM	50.5	53.4	49.2
12:50 AM - 12:55 AM	50.6	54.7	48.5
12:55 AM - 1:00 AM	47.8	56.6	46.0
1:00 AM - 01:05 AM	53.1	46.5	46.5
01:05 AM - 01:10 AM	47.4	50.8	46.1
01:10 AM - 01:15 AM	47.8	51.4	46.6
01:15 AM - 01:20 AM	47.9	53.6	46.2
01:20 AM - 01:25 AM	47.3	50.5	45.9
01:25 AM - 01:30 AM	47.1	50.4	45.4
01:30 AM - 01:35 AM	46.1	49.5	44.9
01:35 AM - 01:40 AM	49.5	60.1	45.1
01:40 AM - 01:45 AM	51.7	60.0	45.0
01:45 AM - 01:50 AM	46.1	50.2	44.4
01:50 AM - 01:55 AM	45.6	50.1	45.3
01:55 AM - 02:00 AM	47.2	50.2	45.0
02:00 AM - 02:05 AM	47.4	50.2	45.0
02:05 AM - 02:10 AM	47.4	50.2	45.0
02:10 AM - 02:15 AM	47.4	50.2	45.0
02:15 AM - 02:20 AM	44.4	48.2	43.1
02:20 AM - 02:25 AM	44.5	47.8	43.2
02:25 AM - 02:30 AM	45.5	48.7	44.2
02:30 AM - 02:35 AM	47.5	53.4	44.7
02:35 AM - 02:40 AM	49.5	56.3	46.6
02:40 AM - 02:45 AM	49.8	54.5	48.0
02:45 AM - 02:50 AM	50.9	55.4	48.5
02:50 AM - 02:55 AM	50.3	55.3	48.4
02:55 AM - 03:00 AM	53.8	59.8	49.7
03:00 AM - 03:05 AM	56.5	58.2	51.2
03:05 AM - 03:10 AM	55.9	63.4	52.5
03:10 AM - 03:15 AM	54.5	62.9	51.7
03:15 AM - 03:20 AM	53.7	58.9	50.9
03:20 AM - 03:25 AM	56.9	64.7	52.5
03:25 AM - 03:30 AM	54.6	62.6	49.7
03:30 AM - 03:35 AM	58.2	66.4	52.5
03:35 AM - 03:40 AM	55.2	63.6	51.6

Approved by

Wilwan Borik
Wilwan Borik
Manager

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Life Sciences

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459323-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample No. 2599080-40
Parameter Noise
Location บริเวณขอบเขตพื้นที่โครงการด้านทิศตะวันตกใกล้ถนนพหลโยธิน (N6) (จุดอ้างอิง) (GPS 47P 0744842, 1428734) (Shut down)
Measurement Date Nov 20 - 21, 2025
Measurement by Apichart Wilars
Sound Level Meter 531293

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	50.9	63.8	50.5
03:45 AM - 03:50 AM	58.4	69.6	53.6
03:50 AM - 03:55 AM	53.8	60.5	50.6
03:55 AM - 04:00 AM	54.9	61.4	50.7
04:00 AM - 04:05 AM	54.4	61.9	51.1
04:05 AM - 04:10 AM	53.7	59.8	50.9
04:10 AM - 04:15 AM	54.5	60.7	51.6
04:15 AM - 04:20 AM	54.9	59.8	52.7
04:20 AM - 04:25 AM	53.4	58.5	51.4
04:25 AM - 04:30 AM	54.6	62.2	51.2
04:30 AM - 04:35 AM	53.8	58.2	52.3
04:35 AM - 04:40 AM	57.3	65.1	53.0
04:40 AM - 04:45 AM	60.0	68.4	56.7
04:45 AM - 04:50 AM	59.6	64.4	55.4
04:50 AM - 04:55 AM	60.5	68.6	56.6
04:55 AM - 05:00 AM	60.9	66.7	57.4
05:00 AM - 05:05 AM	62.4	75.3	59.3
05:05 AM - 05:10 AM	62.1	69.7	57.2
05:10 AM - 05:15 AM	62.8	71.8	55.3
05:15 AM - 05:20 AM	61.0	74.7	56.4
05:20 AM - 05:25 AM	62.1	79.7	55.7
05:25 AM - 05:30 AM	61.9	69.2	56.2
05:30 AM - 05:35 AM	56.1	62.1	53.2
05:35 AM - 05:40 AM	56.0	62.4	50.8
05:40 AM - 05:45 AM	55.2	61.5	52.7
05:45 AM - 05:50 AM	58.0	65.2	53.4
05:50 AM - 05:55 AM	58.7	64.2	54.2
05:55 AM - 06:00 AM	61.4	68.5	56.8
06:00 AM - 07:00 AM	63.8	73.9	59.5
07:00 AM - 08:00 AM	55.6	66.4	52.4
08:00 AM - 09:00 AM	58.6	72.5	55.6
09:00 AM - 10:00 AM	58.0	71.7	54.1

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมเสียงรบกวน เรื่อง วิธีการตรวจวัดระดับเสียงที่ฐาน ระดับเสียงขณะปฏิบัติงาน การตรวจวัดและคำนวณระดับเสียงขณะปฏิบัติงาน การคำนวณการรบกวน และการบันทึกผลการตรวจวัดเสียงรบกวน พ.ศ. 2565

Approved by

Wilwan Borik
Wilwan Borik
Manager

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459324-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599080-41
Parameter Noise
Location บ้านฉะแอมบะเพ็งที่โครงการด้านทิศตะวันตกใกล้ชุมชนบางกอก (N6) (จุดข้างสี่) (GPS 47P 0744842, 1428734) (Shut down)
Measurement Date Nov 21 - 22, 2025
Measurement by Apichart Wilars
Sound Level Meter 531293

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	59.6	71.4	55.9
11:00 AM - 12:00 PM	58.7	69.3	54.8
12:00 PM - 01:00 PM	51.5	66.5	48.2
01:00 PM - 02:00 PM	51.1	76.6	48.5
02:00 PM - 03:00 PM	51.4	66.0	48.5
03:00 PM - 04:00 PM	52.8	67.6	50.0
04:00 PM - 05:00 PM	52.8	68.0	50.1
05:00 PM - 06:00 PM	52.1	70.0	49.1
06:00 PM - 07:00 PM	52.5	64.1	50.6
07:00 PM - 08:00 PM	53.2	67.3	51.1
08:00 PM - 09:00 PM	55.1	69.4	52.0
09:00 PM - 10:00 PM	49.6	61.9	47.9
10:00 PM - 10:05 PM	49.1	56.2	47.8
10:05 PM - 10:10 PM	50.6	57.0	48.5
10:10 PM - 10:15 PM	49.7	54.5	48.3
10:15 PM - 10:20 PM	49.9	55.7	48.2
10:20 PM - 10:25 PM	49.3	54.1	47.6
10:25 PM - 10:30 PM	48.7	53.4	47.0
10:30 PM - 10:35 PM	47.9	52.2	46.6
10:35 PM - 10:40 PM	47.3	49.9	46.2
10:40 PM - 10:45 PM	47.4	52.9	46.2
10:45 PM - 10:50 PM	47.8	56.0	46.3
10:50 PM - 10:55 PM	47.3	50.5	46.2
10:55 PM - 11:00 PM	47.4	51.1	46.0
11:00 PM - 11:05 PM	47.7	50.4	46.6
11:05 PM - 11:10 PM	46.0	50.4	42.7
11:10 PM - 11:15 PM	44.9	50.2	42.7
11:15 PM - 11:20 PM	46.5	50.0	45.0
11:20 PM - 11:25 PM	46.4	51.5	45.0
11:25 PM - 11:30 PM	47.4	53.1	46.4
11:30 PM - 11:35 PM	48.2	52.5	46.7
11:35 PM - 11:40 PM	47.1	52.7	46.3
11:40 PM - 11:45 PM	47.0	54.5	46.1
11:45 PM - 11:50 PM	47.0	49.5	46.2
11:50 PM - 11:55 PM	47.7	58.6	46.4
11:55 PM - 12:00 AM	46.9	49.1	46.1
12:00 AM - 12:05 AM	47.9	54.4	46.8
12:05 AM - 12:10 AM	47.8	50.3	46.7
12:10 AM - 12:15 AM	47.9	51.1	46.7
12:15 AM - 12:20 AM	47.6	50.6	46.7

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Approved by

Wibab.

Wilawan Borikak
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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459324-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599080-41
Parameter Noise
Location บ้านฉะแอมบะเพ็งที่โครงการด้านทิศตะวันตกใกล้ชุมชนบางกอก (N6) (จุดข้างสี่) (GPS 47P 0744842, 1428734) (Shut down)
Measurement Date Nov 21 - 22, 2025
Measurement by Apichart Wilars
Sound Level Meter 531293

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:20 AM - 12:25 AM	47.7	53.5	46.8
12:25 AM - 12:30 AM	47.6	50.0	46.9
12:30 AM - 12:35 AM	47.5	50.7	46.6
12:35 AM - 12:40 AM	47.7	52.7	46.8
12:40 AM - 12:45 AM	47.6	52.6	46.6
12:45 AM - 12:50 AM	47.3	50.1	46.2
12:50 AM - 12:55 AM	47.4	51.6	46.4
12:55 AM - 01:00 AM	47.1	51.5	46.1
01:00 AM - 01:05 AM	47.0	50.7	45.9
01:05 AM - 01:10 AM	47.3	52.9	46.1
01:10 AM - 01:15 AM	47.3	50.2	46.2
01:15 AM - 01:20 AM	47.5	50.0	46.5
01:20 AM - 01:25 AM	47.4	53.6	46.4
01:25 AM - 01:30 AM	47.0	50.0	46.0
01:30 AM - 01:35 AM	47.2	51.8	45.8
01:35 AM - 01:40 AM	46.8	49.7	46.1
01:40 AM - 01:45 AM	47.0	50.0	46.0
01:45 AM - 01:50 AM	46.7	50.1	45.7
01:50 AM - 01:55 AM	46.6	50.8	45.9
01:55 AM - 02:00 AM	47.1	57.4	46.1
02:00 AM - 02:05 AM	47.1	55.9	46.1
02:05 AM - 02:10 AM	46.5	48.2	45.8
02:10 AM - 02:15 AM	46.8	56.0	45.9
02:15 AM - 02:20 AM	46.6	51.7	45.8
02:20 AM - 02:25 AM	47.1	50.3	46.1
02:25 AM - 02:30 AM	48.1	57.2	46.3
02:30 AM - 02:35 AM	46.3	49.4	45.3
02:35 AM - 02:40 AM	45.8	48.2	44.9
02:40 AM - 02:45 AM	46.2	54.0	45.0
02:45 AM - 02:50 AM	46.5	49.1	45.5
02:50 AM - 02:55 AM	47.5	55.1	46.0
02:55 AM - 03:00 AM	47.0	53.7	45.4
03:00 AM - 03:05 AM	46.2	56.3	44.8
03:05 AM - 03:10 AM	46.6	50.5	45.1
03:10 AM - 03:15 AM	51.8	68.5	45.8
03:15 AM - 03:20 AM	48.6	55.8	46.0
03:20 AM - 03:25 AM	50.0	59.0	46.3
03:25 AM - 03:30 AM	48.7	57.7	46.3
03:30 AM - 03:35 AM	48.9	54.2	46.7
03:35 AM - 03:40 AM	46.8	49.4	45.8

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Wibab.

Wilawan Borikak
Manager

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459324-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample No. 2599080-41
Parameter Noise
Location บ้านฉะแอมบะเพ็งที่โครงการด้านทิศตะวันตกใกล้ชุมชนบางกอก (N6) (จุดข้างสี่) (GPS 47P 0744842, 1428734) (Shut down)
Measurement Date Nov 21 - 22, 2025
Measurement by Apichart Wilars
Sound Level Meter 531293

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	45.0	49.7	44.7
03:45 AM - 03:50 AM	48.2	55.2	45.8
03:50 AM - 03:55 AM	48.7	54.8	46.8
03:55 AM - 04:00 AM	46.6	50.4	46.4
04:00 AM - 04:05 AM	47.8	59.3	45.0
04:05 AM - 04:10 AM	47.7	59.9	45.6
04:10 AM - 04:15 AM	46.8	51.6	44.7
04:15 AM - 04:20 AM	47.5	52.7	45.1
04:20 AM - 04:25 AM	46.1	51.9	45.2
04:25 AM - 04:30 AM	47.4	50.6	46.0
04:30 AM - 04:35 AM	48.8	58.9	47.0
04:35 AM - 04:40 AM	49.5	57.8	47.4
04:40 AM - 04:45 AM	47.4	53.6	45.3
04:45 AM - 04:50 AM	46.7	50.7	46.0
04:50 AM - 04:55 AM	45.8	49.0	45.7
04:55 AM - 05:00 AM	45.8	49.8	44.7
05:00 AM - 05:05 AM	45.6	50.7	44.1
05:05 AM - 05:10 AM	46.1	51.1	44.5
05:10 AM - 05:15 AM	48.8	57.4	46.0
05:15 AM - 05:20 AM	50.3	56.9	47.8
05:20 AM - 05:25 AM	50.5	56.8	47.8
05:25 AM - 05:30 AM	51.2	59.7	49.0
05:30 AM - 05:35 AM	52.0	48.4	48.4
05:35 AM - 05:40 AM	48.7	56.7	46.0
05:40 AM - 05:45 AM	48.0	55.9	45.7
05:45 AM - 05:50 AM	48.2	64.4	45.8
05:50 AM - 05:55 AM	49.1	56.0	46.4
05:55 AM - 06:00 AM	50.6	58.2	48.2
06:00 AM - 07:00 AM	48.5	58.8	46.5
07:00 AM - 08:00 AM	48.8	62.1	46.5
08:00 AM - 09:00 AM	52.5	66.9	49.8
09:00 AM - 10:00 AM	52.9	69.7	49.8

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดเสียงเสียงชุมชน ระดับเสียงขณะดำเนินการ การตรวจวัดและคำนวณระดับเสียงขณะดำเนินการ การคำนวณการรบกวน และการบันทึกผลการตรวจวัดเสียงชุมชน พ.ศ. 2565

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Approved by

Wibab.

Wilawan Borikak
Manager

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459325-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599080-42
Parameter Noise
Location บ้านฉะแอมบะเพ็งที่โครงการด้านทิศตะวันตกใกล้ชุมชนบางกอก (N6) (จุดข้างสี่) (GPS 47P 0744842, 1428734) (Shut down)
Measurement Date Nov 22 - 23, 2025
Measurement by Apichart Wilars
Sound Level Meter 531293

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	53.3	65.5	50.2
11:00 AM - 12:00 PM	53.1	74.0	49.7
12:00 PM - 01:00 PM	50.4	66.0	45.9
01:00 PM - 02:00 PM	52.0	69.4	48.8
02:00 PM - 03:00 PM	51.8	70.1	49.0
03:00 PM - 04:00 PM	50.8	74.0	47.6
04:00 PM - 05:00 PM	50.0	70.4	47.5
05:00 PM - 06:00 PM	46.7	65.3	44.5
06:00 PM - 07:00 PM	51.7	61.1	50.5
07:00 PM - 08:00 PM	52.4	68.6	50.7
08:00 PM - 09:00 PM	51.0	59.8	49.2
09:00 PM - 10:00 PM	49.6	60.8	48.0
10:00 PM - 10:05 PM	49.7	53.7	47.6
10:05 PM - 10:10 PM	50.5	63.4	47.4
10:10 PM - 10:15 PM	48.6	55.4	47.2
10:15 PM - 10:20 PM	48.9	52.9	47.4
10:20 PM - 10:25 PM	48.5	51.9	46.8
10:25 PM - 10:30 PM	47.9	53.1	46.0
10:30 PM - 10:35 PM	48.3	56.1	46.3
10:35 PM - 10:40 PM	49.2	58.6	46.4
10:40 PM - 10:45 PM	47.9	51.6	46.2
10:45 PM - 10:50 PM	48.3	52.9	46.6
10:50 PM - 10:55 PM	48.7	52.0	47.1
10:55 PM - 11:00 PM	48.8	53.9	47.4
11:00 PM - 11:05 PM	48.9	53.8	47.7
11:05 PM - 11:10 PM	49.3	54.7	47.9
11:10 PM - 11:15 PM	48.5	51.0	47.5
11:15 PM - 11:20 PM	48.8	51.7	47.7
11:20 PM - 11:25 PM	48.4	52.2	47.4
11:25 PM - 11:30 PM	49.0	51.9	47.9
11:30 PM - 11:35 PM	49.1	51.9	47.9
11:35 PM - 11:40 PM	51.0	66.2	47.5
11:40 PM - 11:45 PM	48.6	61.1	47.3
11:45 PM - 11:50 PM	48.7	56.7	47.3
11:50 PM - 11:55 PM	48.3	51.3	47.1
11:55 PM - 12:00 AM	48.2	53.1	46.9
12:00 AM - 12:05 AM	48.5	51.7	46.6
12:05 AM - 12:10 AM	48.2	56.1	46.8
12:10 AM - 12:15 AM	48.8	55.4	47.3
12:15 AM - 12:20 AM	48.4	51.4	47.2

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LIFE SCIENCES

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RIGHT SOLUTIONS RIGHT PARTNER



Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459325-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599080-42
Parameter Noise
Location บริเวณรอบเขตพื้นที่โครงการด้านทิศตะวันตกใกล้ถนนบางนาตราด (N6) (จุดข้างใต้) (GPS 47P 0744842, 1428734) (Shut down)
Measurement Date Nov 22 - 23, 2025
Measurement by Apichart Wilars
Sound Level Meter 531293

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	49.0	54.3	47.8
12:35 AM - 12:40 AM	48.8	53.3	47.6
12:40 AM - 12:45 AM	48.8	55.8	47.3
12:45 AM - 12:50 AM	47.7	50.6	46.5
12:50 AM - 12:55 AM	47.4	52.7	46.3
12:55 AM - 01:00 AM	47.3	50.4	46.1
01:00 AM - 01:05 AM	47.3	58.6	45.9
01:05 AM - 01:10 AM	47.1	50.1	46.1
01:10 AM - 01:15 AM	47.1	52.1	46.1
01:15 AM - 01:20 AM	47.0	53.7	46.0
01:20 AM - 01:25 AM	47.1	50.2	45.9
01:25 AM - 01:30 AM	46.7	50.1	45.9
01:30 AM - 01:35 AM	46.3	49.9	44.7
01:35 AM - 01:40 AM	46.4	49.7	44.7
01:40 AM - 01:45 AM	46.1	50.5	44.5
01:45 AM - 01:50 AM	46.3	52.3	44.3
01:50 AM - 01:55 AM	47.3	50.1	46.4
01:55 AM - 02:00 AM	47.2	58.4	45.9
02:00 AM - 02:05 AM	47.4	53.9	46.1
02:05 AM - 02:10 AM	46.9	50.1	46.0
02:10 AM - 02:15 AM	47.0	50.5	46.0
02:15 AM - 02:20 AM	46.9	50.5	46.0
02:20 AM - 02:25 AM	46.9	49.9	45.8
02:25 AM - 02:30 AM	46.9	49.9	45.8
02:30 AM - 02:35 AM	46.4	50.0	45.2
02:35 AM - 02:40 AM	46.6	50.3	45.4
02:40 AM - 02:45 AM	46.3	49.2	45.2
02:45 AM - 02:50 AM	46.4	51.6	45.0
02:50 AM - 02:55 AM	46.6	52.7	44.9
02:55 AM - 03:00 AM	45.9	49.5	44.1
03:00 AM - 03:05 AM	45.6	48.4	44.7
03:05 AM - 03:10 AM	45.4	49.8	44.2
03:10 AM - 03:15 AM	45.7	48.2	44.4
03:15 AM - 03:20 AM	45.9	48.8	45.1
03:20 AM - 03:25 AM	45.3	49.6	44.4
03:25 AM - 03:30 AM	44.9	47.4	44.2
03:30 AM - 03:35 AM	45.6	53.5	43.5
03:35 AM - 03:40 AM	45.3	55.5	43.3
03:40 AM - 03:45 AM	43.6	47.3	42.4
03:45 AM - 03:50 AM	42.7	46.1	41.6
03:50 AM - 03:55 AM	43.4	48.0	41.9

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599080
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459325-1

P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample No. 2599080-42
Parameter Noise
Location บริเวณรอบเขตพื้นที่โครงการด้านทิศตะวันตกใกล้ถนนบางนาตราด (N6) (จุดข้างใต้) (GPS 47P 0744842, 1428734) (Shut down)
Measurement Date Nov 22 - 23, 2025
Measurement by Apichart Wilars
Sound Level Meter 531293

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	44.2	50.7	42.9
03:45 AM - 03:50 AM	43.9	50.0	42.6
03:50 AM - 03:55 AM	44.0	58.2	42.3
03:55 AM - 04:00 AM	44.1	52.1	42.3
04:00 AM - 04:05 AM	43.6	52.1	42.1
04:05 AM - 04:10 AM	43.4	47.5	41.9
04:10 AM - 04:15 AM	43.4	47.3	41.8
04:15 AM - 04:20 AM	44.1	63.7	42.2
04:20 AM - 04:25 AM	44.0	49.0	42.2
04:25 AM - 04:30 AM	44.5	49.8	42.6
04:30 AM - 04:35 AM	45.0	48.5	43.1
04:35 AM - 04:40 AM	44.7	50.4	43.2
04:40 AM - 04:45 AM	44.8	50.0	42.7
04:45 AM - 04:50 AM	44.4	52.4	43.3
04:50 AM - 04:55 AM	45.5	50.0	43.6
04:55 AM - 05:00 AM	44.2	49.1	42.2
05:00 AM - 05:05 AM	43.0	46.2	41.7
05:05 AM - 05:10 AM	43.8	49.3	42.2
05:10 AM - 05:15 AM	43.4	49.6	41.9
05:15 AM - 05:20 AM	44.8	48.8	43.1
05:20 AM - 05:25 AM	43.9	52.7	42.3
05:25 AM - 05:30 AM	43.6	49.0	42.2
05:30 AM - 05:35 AM	43.6	47.5	42.3
05:35 AM - 05:40 AM	46.5	60.5	43.3
05:40 AM - 05:45 AM	44.0	49.7	42.5
05:45 AM - 05:50 AM	45.0	60.2	42.7
05:50 AM - 05:55 AM	47.4	65.6	42.9
05:55 AM - 06:00 AM	44.4	53.2	42.4
06:00 AM - 07:00 AM	45.6	61.5	43.6
07:00 AM - 08:00 AM	46.6	60.1	44.8
08:00 AM - 09:00 AM	49.4	63.8	47.2
09:00 AM - 10:00 AM	54.7	63.8	50.7

Reference Method :

- ISO 1996-1
- طبقเกณฑ์การคำนวณเฉลี่ย เรียง วิธีการตรวจวัดระดับเสียงที่ฐาน ระดับเสียงของสถานีการตรวจ การตรวจวัดและคำนวณระดับเสียงของสถานีการตรวจ การคำนวณการเปลี่ยนแปลง และแบบฉบับการตรวจวัดระดับเสียงตาม พ.ศ. 2565

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599084
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459357-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599084-1
Parameter Noise
Location พื้นที่ภายในพื้นที่โครงการ (N7) (จุดข้างใต้) (GPS 47P 0745564, 1426741) (Shut down)
Measurement Date Nov 16 - 17, 2025
Measurement by Apichart Wilars
Sound Level Meter 531311

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 AM - 12:05 AM	49.6	77.4	42.4
12:05 AM - 12:10 PM	51.0	72.9	43.9
12:10 PM - 01:00 PM	48.4	72.8	43.5
01:00 PM - 02:00 PM	47.0	68.5	43.5
02:00 PM - 03:00 PM	47.5	81.8	43.1
03:00 PM - 04:00 PM	51.6	78.0	43.9
04:00 PM - 05:00 PM	50.1	73.3	45.2
05:00 PM - 06:00 PM	50.3	71.2	45.9
06:00 PM - 07:00 PM	50.0	67.5	47.2
07:00 PM - 08:00 PM	49.1	72.5	47.1
08:00 PM - 09:00 PM	48.5	70.5	47.1
09:00 PM - 10:00 PM	46.5	66.3	45.2
10:00 PM - 10:05 PM	47.8	58.3	46.5
10:05 PM - 10:10 PM	46.5	48.5	44.0
10:10 PM - 10:15 PM	45.8	61.3	43.4
10:15 PM - 10:20 PM	47.1	53.8	46.5
10:20 PM - 10:25 PM	47.2	53.8	46.5
10:25 PM - 10:30 PM	46.8	50.0	46.2
10:30 PM - 10:35 PM	47.5	54.3	46.7
10:35 PM - 10:40 PM	47.6	49.6	46.1
10:40 PM - 10:45 PM	47.4	48.8	46.8
10:45 PM - 10:50 PM	47.3	49.8	46.7
10:50 PM - 10:55 PM	47.6	50.3	47.1
10:55 PM - 11:00 PM	47.9	51.0	47.4
11:00 PM - 11:05 PM	48.2	55.2	47.6
11:05 PM - 11:10 PM	48.0	51.0	47.6
11:10 PM - 11:15 PM	48.1	47.8	47.4
11:15 PM - 11:20 PM	47.9	52.0	46.7
11:20 PM - 11:25 PM	47.3	49.8	47.2
11:25 PM - 11:30 PM	46.9	46.7	46.4
11:30 PM - 11:35 PM	47.2	50.2	46.6
11:35 PM - 11:40 PM	47.6	50.5	47.0
11:40 PM - 11:45 PM	47.5	49.2	47.0
11:45 PM - 11:50 PM	47.5	49.3	47.0
11:50 PM - 11:55 PM	47.5	49.4	46.9
11:55 PM - 12:00 AM	52.3	73.0	47.0
12:00 AM - 12:05 AM	47.4	48.9	46.9
12:05 AM - 12:10 AM	47.4	50.2	46.6
12:10 AM - 12:15 AM	52.2	71.7	47.5
12:15 AM - 12:20 AM	48.0	51.4	47.4

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599084
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459357-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599084-1
Parameter Noise
Location พื้นที่ภายในพื้นที่โครงการ (N7) (จุดข้างใต้) (GPS 47P 0745564, 1426741) (Shut down)
Measurement Date Nov 16 - 17, 2025
Measurement by Apichart Wilars
Sound Level Meter 531311

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:20 AM - 12:25 AM	48.3	50.5	47.7
12:25 AM - 12:30 AM	48.3	50.5	47.7
12:30 AM - 12:35 AM	48.2	50.3	47.4
12:35 AM - 12:40 AM	47.8	49.9	47.2
12:40 AM - 12:45 AM	47.4	49.4	47.3
12:45 AM - 12:50 AM	51.8	75.9	47.2
12:50 AM - 12:55 AM	48.0	67.6	47.1
12:55 AM - 01:00 AM	48.3	60.8	46.9
01:00 AM - 01:05 AM	48.0	58.6	46.8
01:05 AM - 01:10 AM	47.8	54.4	46.8
01:10 AM - 01:15 AM	48.2	56.1	46.9
01:15 AM - 01:20 AM	49.0	57.2	46.9
01:20 AM - 01:25 AM	50.0	56.9	47.2
01:25 AM - 01:30 AM	47.9	57.3	47.1
01:30 AM - 01:35 AM	48.0	58.4	46.9
01:35 AM - 01:40 AM	48.5	68.0	46.7
01:40 AM - 01:45 AM	48.5	65.6	46.7
01:45 AM - 01:50 AM	48.6	63.7	47.1
01:50 AM - 01:55 AM	48.5	58.5	47.1
01:55 AM - 02:00 AM	48.5	61.1	47.1
02:00 AM - 02:05 AM	47.6	55.3	46.7
02:05 AM - 02:10 AM	48.0	53.9	46.7
02:10 AM - 02:15 AM	47.3	49.7	46.6
02:15 AM - 02:20 AM	46.9	48.9	46.0
02:20 AM - 02:25 AM	47.8	62.6	46.2
02:25 AM - 02:30 AM	47.5	51.0	46.6
02:30 AM - 02:35 AM	48.0	48.0	46.2
02:35 AM - 02:40 AM	48.9	62.2	46.2
02:40 AM - 02:45 AM	46.3	49.5	46.3
02:45 AM - 02:50 AM	46.7	46.2	46.2
02:50 AM - 02:55 AM	47.0	48.9	46.4
02:55 AM - 03:00 AM	46.8	49.3	46.4
03:00 AM - 03:05 AM	46.7	48.3	46.8
03:05 AM - 03:10 AM	47.3	49.0	46.2
03:10 AM - 03:15 AM	47.3	49.5	46.7
03:15 AM - 03:20 AM	47.2	48.8	46.7
03:20 AM - 03:25 AM	47.3	49.0	46.8
03:25 AM - 03:30 AM	47.7	50.8	46.8
03:30 AM - 03:35 AM	48.0	65.0	46.9
03:35 AM - 03:40 AM	47.0	49.3	46.3

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599084
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report No. : 3459358-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599084-1
Parameter Noise
Location ที่พักอาศัยด้านทิศใต้ของโครงการ (N7) (จุดอ้างอิง) (GPS 47P 0745564, 1426741) (Shut down)
Measurement Date Nov 16 - 17, 2025
Measurement by Apichart Wilars
Sound Level Meter 531311

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	47.1	50.8	46.4
03:45 AM - 03:50 AM	46.7	49.0	46.1
03:50 AM - 03:55 AM	46.5	48.1	45.9
03:55 AM - 04:00 AM	46.5	45.8	45.8
04:00 AM - 04:05 AM	46.8	49.4	46.0
04:05 AM - 04:10 AM	46.9	50.1	46.2
04:10 AM - 04:15 AM	47.0	48.8	46.3
04:15 AM - 04:20 AM	47.0	48.4	46.2
04:20 AM - 04:25 AM	46.7	48.2	46.1
04:25 AM - 04:30 AM	46.5	53.0	45.9
04:30 AM - 04:35 AM	46.1	47.4	45.7
04:35 AM - 04:40 AM	46.4	49.2	45.9
04:40 AM - 04:45 AM	46.1	47.9	45.6
04:45 AM - 04:50 AM	46.1	48.1	45.7
04:50 AM - 04:55 AM	46.1	48.1	45.6
04:55 AM - 05:00 AM	46.2	65.4	45.3
05:00 AM - 05:05 AM	45.8	47.7	45.3
05:05 AM - 05:10 AM	45.9	50.9	45.3
05:10 AM - 05:15 AM	46.1	51.4	45.5
05:15 AM - 05:20 AM	45.8	47.5	45.3
05:20 AM - 05:25 AM	46.0	52.0	45.2
05:25 AM - 05:30 AM	45.5	47.2	45.0
05:30 AM - 05:35 AM	47.1	61.1	44.8
05:35 AM - 05:40 AM	45.9	50.7	45.2
05:40 AM - 05:45 AM	46.7	59.3	44.9
05:45 AM - 05:50 AM	46.1	54.2	44.5
05:50 AM - 05:55 AM	51.5	71.8	44.4
05:55 AM - 06:00 AM	47.5	70.5	44.6
06:00 AM - 07:00 AM	48.8	83.1	44.3
07:00 AM - 08:00 AM	49.4	77.2	43.5
08:00 AM - 09:00 AM	49.0	70.9	43.0
09:00 AM - 10:00 AM	49.8	81.8	43.4

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการกำหนดมาตรฐานเสียง เรื่อง วิธีการตรวจวัดระดับเสียงที่ชุมชน ระดับเสียงขณะดำเนินการขนถ่าย การตรวจวัดและคำนวณระดับเสียงขณะดำเนินการขนถ่ายวัสดุและการขนถ่ายขนถ่าย และแนวปฏิบัติในการตรวจวัดเสียงชุมชน พ.ศ. 2565

Approved by

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599084
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report No. : 3459358-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599084-2
Parameter Noise
Location ที่พักอาศัยด้านทิศใต้ของโครงการ (N7) (จุดอ้างอิง) (GPS 47P 0745564, 1426741) (Shut down)
Measurement Date Nov 17 - 18, 2025
Measurement by Apichart Wilars
Sound Level Meter 531311

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	49.3	63.0	47.9
12:35 AM - 12:40 AM	48.8	59.5	47.7
12:40 AM - 12:45 AM	49.2	64.8	47.8
12:45 AM - 12:50 AM	50.8	59.4	48.2
12:50 AM - 12:55 AM	52.7	61.9	51.1
12:55 AM - 1:00 AM	51.5	61.4	47.9
1:00 AM - 01:05 AM	48.1	49.9	47.4
01:05 AM - 01:10 AM	48.1	50.7	47.3
01:10 AM - 01:15 AM	49.7	47.0	47.0
01:15 AM - 01:20 AM	47.6	50.9	46.9
01:20 AM - 01:25 AM	47.8	49.7	47.0
01:25 AM - 01:30 AM	47.5	49.4	46.7
01:30 AM - 01:35 AM	47.9	50.1	47.4
01:35 AM - 01:40 AM	48.1	49.8	47.3
01:40 AM - 01:45 AM	50.0	74.1	47.0
01:45 AM - 01:50 AM	47.5	53.3	46.9
01:50 AM - 01:55 AM	47.8	50.6	46.7
01:55 AM - 02:00 AM	47.5	49.4	47.0
02:00 AM - 02:05 AM	48.0	61.1	47.1
02:05 AM - 02:10 AM	47.3	49.9	46.6
02:10 AM - 02:15 AM	48.6	66.9	46.7
02:15 AM - 02:20 AM	47.0	50.7	46.4
02:20 AM - 02:25 AM	46.8	55.6	46.2
02:25 AM - 02:30 AM	48.0	54.5	47.2
02:30 AM - 02:35 AM	51.8	76.1	46.4
02:35 AM - 02:40 AM	46.9	48.4	46.1
02:40 AM - 02:45 AM	47.6	58.4	46.4
02:45 AM - 02:50 AM	47.4	50.0	46.6
02:50 AM - 02:55 AM	47.5	53.7	46.5
02:55 AM - 03:00 AM	47.4	49.7	46.8
03:00 AM - 03:05 AM	47.1	49.2	46.1
03:05 AM - 03:10 AM	47.3	49.5	46.2
03:10 AM - 03:15 AM	48.0	49.8	47.1
03:15 AM - 03:20 AM	47.7	49.5	46.5
03:20 AM - 03:25 AM	47.4	51.3	46.9
03:25 AM - 03:30 AM	53.9	74.2	46.2
03:30 AM - 03:35 AM	58.9	78.2	46.3
03:35 AM - 03:40 AM	47.5	49.1	46.4

Approved by

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Life Sciences

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599084
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report No. : 3459358-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599084-2
Parameter Noise
Location ที่พักอาศัยด้านทิศใต้ของโครงการ (N7) (จุดอ้างอิง) (GPS 47P 0745564, 1426741) (Shut down)
Measurement Date Nov 17 - 18, 2025
Measurement by Apichart Wilars
Sound Level Meter 531311

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	48.2	48.2	42.2
11:00 AM - 12:00 PM	47.0	71.1	42.5
12:00 PM - 01:00 PM	46.1	66.8	43.2
01:00 PM - 02:00 PM	44.7	67.5	42.1
02:00 PM - 03:00 PM	47.8	79.6	42.9
03:00 PM - 04:00 PM	47.2	69.7	44.3
04:00 PM - 05:00 PM	48.6	70.9	44.4
05:00 PM - 06:00 PM	49.9	81.0	44.8
06:00 PM - 07:00 PM	49.4	80.9	46.5
07:00 PM - 08:00 PM	49.8	71.0	47.7
08:00 PM - 09:00 PM	48.6	73.5	47.8
09:00 PM - 10:00 PM	49.9	77.9	48.0
10:00 PM - 10:05 PM	48.7	55.3	47.7
10:05 PM - 10:10 PM	48.9	54.7	47.9
10:10 PM - 10:15 PM	48.5	56.0	47.6
10:15 PM - 10:20 PM	56.4	69.4	50.5
10:20 PM - 10:25 PM	51.3	63.6	48.2
10:25 PM - 10:30 PM	49.8	62.5	47.4
10:30 PM - 10:35 PM	53.1	70.6	47.9
10:35 PM - 10:40 PM	52.8	74.5	47.8
10:40 PM - 10:45 PM	51.4	67.3	48.2
10:45 PM - 10:50 PM	49.1	50.9	48.3
10:50 PM - 10:55 PM	48.8	52.8	47.8
10:55 PM - 11:00 PM	51.2	62.2	48.3
11:00 PM - 11:05 PM	49.0	54.6	48.0
11:05 PM - 11:10 PM	49.5	62.9	48.2
11:10 PM - 11:15 PM	50.4	66.4	48.5
11:15 PM - 11:20 PM	49.5	60.4	48.1
11:20 PM - 11:25 PM	49.8	63.1	47.6
11:25 PM - 11:30 PM	48.9	58.7	48.0
11:30 PM - 11:35 PM	49.3	57.9	48.4
11:35 PM - 11:40 PM	52.1	67.6	48.3
11:40 PM - 11:45 PM	49.4	63.0	47.5
11:45 PM - 11:50 PM	49.6	66.8	48.0
11:50 PM - 11:55 PM	49.2	59.7	48.2
11:55 PM - 12:00 AM	50.4	62.7	47.8
12:00 AM - 12:05 AM	49.9	56.9	48.9
12:05 AM - 12:10 AM	49.6	57.9	48.1
12:10 AM - 12:15 AM	49.4	55.9	48.4
12:15 AM - 12:20 AM	48.9	60.3	47.8

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Life Sciences

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599084
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459359-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599084-3
Parameter Noise
Location ที่พักอาศัยด้านทิศใต้ของโครงการ (N7) (จุดอ้างอิง) (GPS 47P 0745564, 1426741) (Shut down)
Measurement Date Nov 18 - 19, 2025
Measurement by Apichart Wilars
Sound Level Meter 531311

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	46.8	68.2	44.5
11:00 AM - 12:00 PM	47.1	66.7	42.6
12:00 PM - 01:00 PM	45.0	65.8	41.0
01:00 PM - 02:00 PM	44.7	69.6	42.2
02:00 PM - 03:00 PM	45.5	69.2	41.9
03:00 PM - 04:00 PM	45.5	65.9	42.3
04:00 PM - 05:00 PM	48.8	67.9	42.9
05:00 PM - 06:00 PM	46.9	68.1	43.1
06:00 PM - 07:00 PM	47.1	66.9	45.8
07:00 PM - 08:00 PM	49.1	81.8	46.6
08:00 PM - 09:00 PM	52.5	81.9	47.6
09:00 PM - 10:00 PM	49.5	69.2	48.0
10:00 PM - 10:05 PM	48.0	69.0	46.9
10:05 PM - 10:10 PM	47.5	59.0	45.8
10:10 PM - 10:15 PM	47.8	56.1	47.1
10:15 PM - 10:20 PM	47.4	49.1	46.7
10:20 PM - 10:25 PM	48.0	56.1	46.9
10:25 PM - 10:30 PM	48.3	51.9	47.5
10:30 PM - 10:35 PM	48.2	50.0	47.6
10:35 PM - 10:40 PM	47.8	57.4	47.1
10:40 PM - 10:45 PM	48.0	66.4	47.0
10:45 PM - 10:50 PM	47.7	56.5	46.7
10:50 PM - 10:55 PM	47.8	53.7	47.0
10:55 PM - 11:00 PM	48.2	56.3	47.1
11:00 PM - 11:05 PM	47.1	49.2	46.3
11:05 PM - 11:10 PM	47.3	50.3	46.6
11:10 PM - 11:15 PM	47.2	54.7	46.6
11:15 PM - 11:20 PM	47.0	51.6	46.6
11:20 PM - 11:25 PM	47.3	54.5	46.7
11:25 PM - 11:30 PM	46.8	48.6	46.4
11:30 PM - 11:35 PM	47.1	48.8	46.7
11:35 PM - 11:40 PM	47.3	48.8	46.8
11:40 PM - 11:45 PM	47.1	49.4	46.7
11:45 PM - 11:50 PM	51.0	75.1	46.6
11:50 PM - 11:55 PM	47.5	50.2	46.7
11:55 PM - 12:00 AM	48.0	53.7	46.7
12:00 AM - 12:05 AM	48.8	63.4	47.0
12:05 AM - 12:10 AM	47.4	56.4	46.4
12:10 AM - 12:15 AM	48.7	53.2	46.9
12:15 AM - 12:20 AM	47.7	57.3	46.4

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599084
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459359-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599084-3
Parameter Noise
Location ที่พักอาศัยด้านทิศใต้ของโครงการ (N7) (จุดอ้างอิง) (GPS 47P 0745564, 1426741) (Shut down)
Measurement Date Nov 18 - 19, 2025
Measurement by Apichart Wilars
Sound Level Meter 531311

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:20 AM - 12:25 AM	47.2	55.7	46.4
12:25 AM - 12:30 AM	46.6	49.4	46.1
12:30 AM - 12:35 AM	48.5	61.2	46.6
12:35 AM - 12:40 AM	46.9	48.4	46.3
12:40 AM - 12:45 AM	46.8	49.4	46.2
12:45 AM - 12:50 AM	46.9	48.4	46.4
12:50 AM - 12:55 AM	47.3	49.8	46.7
12:55 AM - 01:00 AM	47.1	49.7	46.7
01:00 AM - 01:05 AM	49.0	72.0	46.4
01:05 AM - 01:10 AM	51.6	61.6	47.5
01:10 AM - 01:15 AM	48.2	58.5	46.9
01:15 AM - 01:20 AM	47.2	50.1	46.4
01:20 AM - 01:25 AM	47.2	49.1	46.5
01:25 AM - 01:30 AM	49.0	52.4	46.6
01:30 AM - 01:35 AM	47.4	59.6	46.8
01:35 AM - 01:40 AM	47.2	54.9	46.5
01:40 AM - 01:45 AM	45.9	50.0	44.3
01:45 AM - 01:50 AM	47.1	52.2	44.0
01:50 AM - 01:55 AM	50.0	53.9	47.5
01:55 AM - 02:00 AM	51.9	74.1	47.3
02:00 AM - 02:05 AM	51.3	58.7	52.4
02:05 AM - 02:10 AM	53.9	60.0	53.2
02:10 AM - 02:15 AM	52.7	58.0	49.8
02:15 AM - 02:20 AM	51.7	55.5	49.8
02:20 AM - 02:25 AM	51.9	71.1	47.8
02:25 AM - 02:30 AM	45.7	52.4	44.6
02:30 AM - 02:35 AM	46.1	49.5	45.3
02:35 AM - 02:40 AM	46.4	54.3	45.6
02:40 AM - 02:45 AM	46.3	57.9	45.3
02:45 AM - 02:50 AM	46.4	57.5	45.5
02:50 AM - 02:55 AM	46.8	65.2	45.5
02:55 AM - 03:00 AM	46.0	48.6	45.0
03:00 AM - 03:05 AM	45.7	47.9	45.2
03:05 AM - 03:10 AM	46.0	55.5	44.8
03:10 AM - 03:15 AM	45.4	62.4	44.7
03:15 AM - 03:20 AM	45.4	49.3	44.9
03:20 AM - 03:25 AM	46.0	50.0	45.2
03:25 AM - 03:30 AM	46.0	50.9	45.1
03:30 AM - 03:35 AM	45.7	51.7	44.9
03:35 AM - 03:40 AM	45.8	47.6	45.2

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599084
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459359-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample No. 2599084-3
Parameter Noise
Location ที่พักอาศัยด้านทิศใต้ของโครงการ (N7) (จุดอ้างอิง) (GPS 47P 0745564, 1426741) (Shut down)
Measurement Date Nov 18 - 19, 2025
Measurement by Apichart Wilars
Sound Level Meter 531311

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	46.2	53.4	45.8
03:45 AM - 03:50 AM	46.4	48.2	45.9
03:50 AM - 03:55 AM	46.5	48.3	45.9
03:55 AM - 04:00 AM	46.4	48.2	46.0
04:00 AM - 04:05 AM	46.5	48.1	46.0
04:05 AM - 04:10 AM	46.8	55.3	45.7
04:10 AM - 04:15 AM	46.0	48.1	45.3
04:15 AM - 04:20 AM	45.8	49.8	45.4
04:20 AM - 04:25 AM	45.8	47.1	45.5
04:25 AM - 04:30 AM	45.7	48.5	45.4
04:30 AM - 04:35 AM	46.0	49.3	45.5
04:35 AM - 04:40 AM	45.8	48.2	45.3
04:40 AM - 04:45 AM	46.2	53.8	45.5
04:45 AM - 04:50 AM	50.2	65.2	46.2
04:50 AM - 04:55 AM	47.9	62.3	45.6
04:55 AM - 05:00 AM	46.5	48.8	45.9
05:00 AM - 05:05 AM	46.4	48.9	45.8
05:05 AM - 05:10 AM	46.5	51.8	45.8
05:10 AM - 05:15 AM	46.5	49.5	45.9
05:15 AM - 05:20 AM	46.4	48.1	45.9
05:20 AM - 05:25 AM	46.3	48.7	45.6
05:25 AM - 05:30 AM	46.4	51.9	45.6
05:30 AM - 05:35 AM	46.8	50.9	45.9
05:35 AM - 05:40 AM	46.9	49.5	46.0
05:40 AM - 05:45 AM	46.7	55.5	45.9
05:45 AM - 05:50 AM	48.2	66.0	46.4
05:50 AM - 05:55 AM	47.0	60.5	46.5
05:55 AM - 06:00 AM	50.5	63.5	46.4
06:00 AM - 07:00 AM	56.6	88.8	45.5
07:00 AM - 08:00 AM	50.4	78.8	46.0
08:00 AM - 09:00 AM	56.1	85.4	45.3
09:00 AM - 10:00 AM	50.3	68.3	47.2

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมเสียงรบกวน เรื่อง วิธีการตรวจวัดเสียงรบกวน จากเสียงของยานพาหนะและการตรวจวัดเสียงรบกวนจากการก่อสร้างและการดำเนินงาน และแนวปฏิบัติในการตรวจวัดเสียงรบกวน พ.ศ. 2565

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599084
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459360-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599084-4
Parameter Noise
Location ที่พักอาศัยด้านทิศใต้ของโครงการ (N7) (จุดอ้างอิง) (GPS 47P 0745564, 1426741) (Shut down)
Measurement Date Nov 19 - 20, 2025
Measurement by Apichart Wilars
Sound Level Meter 531311

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	48.4	61.7	45.9
11:00 AM - 12:00 PM	48.2	80.1	44.3
12:00 PM - 01:00 PM	49.1	61.8	45.0
01:00 PM - 02:00 PM	49.3	81.2	45.6
02:00 PM - 03:00 PM	48.0	66.1	44.6
03:00 PM - 04:00 PM	46.5	67.1	43.6
04:00 PM - 05:00 PM	45.8	63.9	43.5
05:00 PM - 06:00 PM	47.5	73.0	44.0
06:00 PM - 07:00 PM	48.9	70.0	46.8
07:00 PM - 08:00 PM	49.3	63.5	47.5
08:00 PM - 09:00 PM	48.3	65.9	47.0
09:00 PM - 10:00 PM	49.0	66.2	47.0
10:00 PM - 10:05 PM	48.9	61.8	46.8
10:05 PM - 10:10 PM	50.0	62.1	46.9
10:10 PM - 10:15 PM	48.4	56.6	47.2
10:15 PM - 10:20 PM	52.9	72.4	47.0
10:20 PM - 10:25 PM	49.0	54.8	46.7
10:25 PM - 10:30 PM	50.3	67.8	48.4
10:30 PM - 10:35 PM	48.8	55.9	47.4
10:35 PM - 10:40 PM	48.6	54.3	47.4
10:40 PM - 10:45 PM	48.8	52.5	47.5
10:45 PM - 10:50 PM	48.0	51.5	46.5
10:50 PM - 10:55 PM	48.6	53.8	46.9
10:55 PM - 11:00 PM	46.4	53.9	45.7
11:00 PM - 11:05 PM	46.3	48.8	46.0
11:05 PM - 11:10 PM	46.6	48.3	45.7
11:10 PM - 11:15 PM	46.5	49.9	45.8
11:15 PM - 11:20 PM	46.8	52.1	45.9
11:20 PM - 11:25 PM	46.7	53.2	45.8
11:25 PM - 11:30 PM	46.9	53.7	46.0
11:30 PM - 11:35 PM	46.9	48.9	46.0
11:35 PM - 11:40 PM	47.6	55.2	47.0
11:40 PM - 11:45 PM	46.0	51.0	47.0
11:45 PM - 11:50 PM	52.1	68.7	48.0
11:50 PM - 11:55 PM	49.0	51.5	48.0
11:55 PM - 12:00 AM	49.4	54.2	47.1
12:00 AM - 12:05 AM	49.0	54.9	47.1
12:05 AM - 12:10 AM	47.7	50.7	46.6
12:10 AM - 12:15 AM	46.7	48.4	45.9
12:15 AM - 12:20 AM	48.1	51.0	46.6

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599084
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459360-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599084-4
Parameter Noise
Location ที่พักอาศัยด้านทิศใต้ของโครงการ (N7) (จุดอ้างอิง) (GPS 47P 0745564, 1426741) (Shut down)
Measurement Date Nov 19 - 20, 2025
Measurement by Apichart Wilars
Sound Level Meter 531311

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	47.6	50.1	46.5
12:35 AM - 12:40 AM	47.1	48.4	46.1
12:40 AM - 12:45 AM	47.2	49.5	46.9
12:45 AM - 12:50 AM	48.4	51.9	47.0
12:50 AM - 12:55 AM	48.5	53.3	46.9
12:55 AM - 01:00 AM	47.2	60.5	46.4
01:00 AM - 01:05 AM	49.4	60.4	46.7
01:05 AM - 01:10 AM	55.1	80.1	46.9
01:10 AM - 01:15 AM	48.9	71.2	46.9
01:15 AM - 01:20 AM	48.8	57.8	47.3
01:20 AM - 01:25 AM	47.6	50.3	46.5
01:25 AM - 01:30 AM	47.4	50.3	46.5
01:30 AM - 01:35 AM	46.7	49.4	45.6
01:35 AM - 01:40 AM	55.0	80.3	45.5
01:40 AM - 01:45 AM	47.2	50.1	45.7
01:45 AM - 01:50 AM	46.6	49.4	45.6
01:50 AM - 01:55 AM	47.3	50.3	46.1
01:55 AM - 02:00 AM	46.9	50.3	45.8
02:00 AM - 02:05 AM	47.8	57.9	46.8
02:05 AM - 02:10 AM	49.0	58.9	47.4
02:10 AM - 02:15 AM	49.0	52.7	47.6
02:15 AM - 02:20 AM	48.5	51.3	46.7
02:20 AM - 02:25 AM	48.0	52.1	46.5
02:25 AM - 02:30 AM	48.4	52.8	47.0
02:30 AM - 02:35 AM	50.2	55.8	48.6
02:35 AM - 02:40 AM	48.4	52.0	47.0
02:40 AM - 02:45 AM	48.1	51.9	47.0
02:45 AM - 02:50 AM	48.2	50.8	47.1
02:50 AM - 02:55 AM	47.7	51.5	46.0
02:55 AM - 03:00 AM	49.0	49.0	45.9
03:00 AM - 03:05 AM	46.7	49.5	45.4
03:05 AM - 03:10 AM	48.7	59.3	47.2
03:10 AM - 03:15 AM	48.6	52.2	47.3
03:15 AM - 03:20 AM	48.7	54.7	46.7
03:20 AM - 03:25 AM	48.4	50.3	47.3
03:25 AM - 03:30 AM	48.9	50.9	46.9
03:30 AM - 03:35 AM	48.9	52.7	47.7
03:35 AM - 03:40 AM	48.5	53.5	47.1

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Approved by

Wibab.

Wilawan Borikar
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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599084
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459360-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample No. 2599084-4
Parameter Noise
Location ที่พักอาศัยด้านทิศใต้ของโครงการ (N7) (จุดอ้างอิง) (GPS 47P 0745564, 1426741) (Shut down)
Measurement Date Nov 19 - 20, 2025
Measurement by Apichart Wilars
Sound Level Meter 531311

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	46.9	51.8	45.6
03:45 AM - 03:50 AM	47.1	50.7	46.1
03:50 AM - 03:55 AM	46.6	50.3	46.0
03:55 AM - 04:00 AM	46.3	49.2	46.0
04:00 AM - 04:05 AM	48.3	50.9	47.3
04:05 AM - 04:10 AM	48.3	51.7	46.8
04:10 AM - 04:15 AM	48.3	53.2	46.9
04:15 AM - 04:20 AM	47.2	49.7	46.2
04:20 AM - 04:25 AM	47.0	50.1	45.5
04:25 AM - 04:30 AM	46.8	51.1	45.5
04:30 AM - 04:35 AM	46.3	48.0	45.4
04:35 AM - 04:40 AM	46.0	50.5	45.2
04:40 AM - 04:45 AM	46.0	49.3	44.8
04:45 AM - 04:50 AM	46.3	56.7	45.6
04:50 AM - 04:55 AM	48.4	53.9	47.1
04:55 AM - 05:00 AM	64.4	86.1	46.4
05:00 AM - 05:05 AM	50.6	71.2	46.2
05:05 AM - 05:10 AM	46.4	60.8	45.2
05:10 AM - 05:15 AM	47.3	65.0	44.7
05:15 AM - 05:20 AM	52.2	77.6	44.9
05:20 AM - 05:25 AM	46.4	49.4	45.5
05:25 AM - 05:30 AM	47.4	50.8	46.1
05:30 AM - 05:35 AM	47.1	49.8	45.6
05:35 AM - 05:40 AM	47.6	51.9	46.1
05:40 AM - 05:45 AM	46.8	59.4	45.3
05:45 AM - 05:50 AM	46.2	55.6	44.9
05:50 AM - 05:55 AM	49.4	75.3	45.8
05:55 AM - 06:00 AM	47.4	58.9	46.0
06:00 AM - 07:00 AM	48.4	80.0	44.8
07:00 AM - 08:00 AM	49.9	71.0	44.9
08:00 AM - 09:00 AM	51.7	78.2	47.5
09:00 AM - 10:00 AM	49.9	80.5	46.6

Reference Method :

- ISO 1996-1
- طبقเกณฑ์ของกรมควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงที่ชุมชน ระบบเสียงรบกวนในอาคาร การตรวจวัดและคำนวณระดับเสียงรบกวนในอาคาร การคำนวณการรบกวนเสียง และแนวปฏิบัติในการตรวจวัดเสียงรบกวน พ.ศ. 2565

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Approved by

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Life Sciences

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599084
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459361-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599084-5
Parameter Noise
Location ที่พักอาศัยด้านทิศใต้ของโครงการ (N7) (จุดอ้างอิง) (GPS 47P 0745564, 1426741) (Shut down)
Measurement Date Nov 20 - 21, 2025
Measurement by Apichart Wilars
Sound Level Meter 531311

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	48.6	67.4	46.2
11:00 AM - 12:00 PM	50.0	79.4	45.5
12:00 PM - 01:00 PM	47.4	65.3	44.8
01:00 PM - 02:00 PM	46.3	65.5	44.3
02:00 PM - 03:00 PM	49.0	69.2	45.4
03:00 PM - 04:00 PM	53.0	77.3	48.0
04:00 PM - 05:00 PM	50.4	64.4	47.2
05:00 PM - 06:00 PM	49.4	76.6	45.2
06:00 PM - 07:00 PM	46.6	63.1	45.6
07:00 PM - 08:00 PM	47.1	73.3	45.8
08:00 PM - 09:00 PM	52.0	80.1	46.6
09:00 PM - 10:00 PM	46.1	63.8	45.3
10:00 PM - 10:05 PM	46.5	61.7	46.2
10:05 PM - 10:10 PM	46.1	64.3	45.3
10:10 PM - 10:15 PM	45.6	54.9	45.0
10:15 PM - 10:20 PM	45.5	48.7	44.9
10:20 PM - 10:25 PM	45.9	53.8	45.3
10:25 PM - 10:30 PM	45.9	51.3	45.3
10:30 PM - 10:35 PM	46.4	56.6	45.3
10:35 PM - 10:40 PM	49.7	70.9	45.2
10:40 PM - 10:45 PM	46.7	62.8	45.0
10:45 PM - 10:50 PM	56.5	78.1	45.1
10:50 PM - 10:55 PM	46.3	65.3	45.2
10:55 PM - 11:00 PM	49.1	63.2	45.1
11:00 PM - 11:05 PM	48.4	62.0	45.2
11:05 PM - 11:10 PM	46.0	52.3	45.1
11:10 PM - 11:15 PM	51.8	63.3	45.0
11:15 PM - 11:20 PM	47.6	58.5	45.3
11:20 PM - 11:25 PM	48.8	60.9	45.2
11:25 PM - 11:30 PM	47.3	70.8	44.9
11:30 PM - 11:35 PM	51.2	61.0	45.4
11:35 PM - 11:40 PM	45.7	48.4	45.0
11:40 PM - 11:45 PM	45.8	46.1	45.2
11:45 PM - 11:50 PM	45.7	50.5	45.2
11:50 PM - 11:55 PM	45.7	48.0	45.2
11:55 PM - 12:00 AM	46.6	57.0	45.1
12:00 AM - 12:05 AM	48.2	61.2	45.3
12:05 AM - 12:10 AM	49.2	70.9	45.7
12:10 AM - 12:15 AM	50.5	72.4	45.5
12:15 AM - 12:20 AM	47.3	62.4	45.2

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599084
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459361-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599084-5
Parameter Noise
Location ที่พักอาศัยด้านทิศใต้ของโครงการ (N7) (จุดอ้างอิง) (GPS 47P 0745564, 1426741) (Shut down)
Measurement Date Nov 20 - 21, 2025
Measurement by Apichart Wilars
Sound Level Meter 531311

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:20 AM - 12:25 AM	47.3	64.7	45.5
12:25 AM - 12:30 AM	53.4	75.0	45.3
12:30 AM - 12:35 AM	47.9	61.3	45.5
12:35 AM - 12:40 AM	46.3	60.4	45.6
12:40 AM - 12:45 AM	48.5	69.2	45.7
12:45 AM - 12:50 AM	47.8	58.0	45.6
12:50 AM - 12:55 AM	52.0	72.5	45.5
12:55 AM - 01:00 AM	50.1	68.0	46.0
01:00 AM - 01:05 AM	49.7	65.2	45.6
01:05 AM - 01:10 AM	47.6	61.8	45.4
01:10 AM - 01:15 AM	46.6	55.6	45.1
01:15 AM - 01:20 AM	47.3	62.9	44.9
01:20 AM - 01:25 AM	50.7	74.0	45.7
01:25 AM - 01:30 AM	46.4	59.3	45.1
01:30 AM - 01:35 AM	48.1	62.1	44.6
01:35 AM - 01:40 AM	49.9	66.3	44.6
01:40 AM - 01:45 AM	45.4	51.0	44.9
01:45 AM - 01:50 AM	45.4	47.3	44.9
01:50 AM - 01:55 AM	45.6	49.0	45.0
01:55 AM - 02:00 AM	45.7	49.2	45.0
02:00 AM - 02:05 AM	45.6	50.5	45.2
02:05 AM - 02:10 AM	45.3	49.1	44.0
02:10 AM - 02:15 AM	46.8	59.3	45.1
02:15 AM - 02:20 AM	46.0	54.4	45.3
02:20 AM - 02:25 AM	45.7	48.1	45.2
02:25 AM - 02:30 AM	45.6	51.5	45.0
02:30 AM - 02:35 AM	47.1	59.0	45.5
02:35 AM - 02:40 AM	46.3	52.0	45.3
02:40 AM - 02:45 AM	47.4	52.5	46.2
02:45 AM - 02:50 AM	46.7	54.8	45.7
02:50 AM - 02:55 AM	47.9	51.1	46.4
02:55 AM - 03:00 AM	47.8	52.1	46.3
03:00 AM - 03:05 AM	46.8	49.7	45.7
03:05 AM - 03:10 AM	47.1	51.6	45.9
03:10 AM - 03:15 AM	48.3	58.2	46.2
03:15 AM - 03:20 AM	48.2	52.0	46.5
03:20 AM - 03:25 AM	47.4	51.4	47.5
03:25 AM - 03:30 AM	48.0	53.4	47.5
03:30 AM - 03:35 AM	48.0	60.0	46.7
03:35 AM - 03:40 AM	47.0	50.0	46.1

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599084
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459362-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599084-5
Parameter Noise
Location ที่พักอาศัยด้านทิศใต้ของโครงการ (N7) (จุดอ้างอิง) (GPS 47P 0745564, 1426741) (Shut down)
Measurement Date Nov 20 - 21, 2025
Measurement by Apichart Wilars
Sound Level Meter 531311

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	47.3	49.9	46.2
03:45 AM - 03:50 AM	47.3	49.2	46.5
03:50 AM - 03:55 AM	54.5	76.4	45.9
03:55 AM - 04:00 AM	65.1	81.3	47.3
04:00 AM - 04:05 AM	53.1	74.4	46.9
04:05 AM - 04:10 AM	47.5	49.9	46.2
04:10 AM - 04:15 AM	47.0	49.5	46.1
04:15 AM - 04:20 AM	47.6	50.5	46.1
04:20 AM - 04:25 AM	46.2	48.6	45.4
04:25 AM - 04:30 AM	47.2	68.2	45.8
04:30 AM - 04:35 AM	46.8	66.3	45.1
04:35 AM - 04:40 AM	46.7	49.6	45.9
04:40 AM - 04:45 AM	47.2	50.0	46.2
04:45 AM - 04:50 AM	46.7	49.2	47.3
04:50 AM - 04:55 AM	49.9	82.1	46.3
04:55 AM - 05:00 AM	51.3	64.0	49.4
05:00 AM - 05:05 AM	52.3	58.4	50.4
05:05 AM - 05:10 AM	52.7	57.7	50.4
05:10 AM - 05:15 AM	51.4	63.3	49.5
05:15 AM - 05:20 AM	50.9	55.7	49.4
05:20 AM - 05:25 AM	50.3	53.7	48.4
05:25 AM - 05:30 AM	51.5	56.6	49.0
05:30 AM - 05:35 AM	50.5	54.6	49.1
05:35 AM - 05:40 AM	48.7	51.5	47.4
05:40 AM - 05:45 AM	50.4	62.4	48.1
05:45 AM - 05:50 AM	51.7	61.0	49.8
05:50 AM - 05:55 AM	51.1	56.0	48.8
05:55 AM - 06:00 AM	52.0	60.4	49.7
06:00 AM - 07:00 AM	54.1	88.0	48.9
07:00 AM - 08:00 AM	50.6	72.0	47.5
08:00 AM - 09:00 AM	52.2	84.4	47.7
09:00 AM - 10:00 AM	50.5	80.4	47.5

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงชุมชน ระดับเสียงขณะดำเนินการขนาน การตรวจวัดและคำนวณระดับเสียงขณะดำเนินการขนาน การคำนวณการรบกวนการขนาน และแนวปฏิบัติในการตรวจวัดเสียงชุมชน พ.ศ. 2565

Approved by

Wibab.
Wilawan Borikak
Manager

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599084
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459362-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599084-6
Parameter Noise
Location ที่พักอาศัยด้านทิศใต้ของโครงการ (N7) (จุดอ้างอิง) (GPS 47P 0745564, 1426741) (Shut down)
Measurement Date Nov 21 - 22, 2025
Measurement by Apichart Wilars
Sound Level Meter 531311

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	50.3	75.8	47.4
11:00 AM - 12:00 PM	49.6	64.0	47.0
12:00 PM - 01:00 PM	48.7	73.7	44.8
01:00 PM - 02:00 PM	47.6	63.8	44.2
02:00 PM - 03:00 PM	47.5	66.0	44.6
03:00 PM - 04:00 PM	48.1	80.3	44.9
04:00 PM - 05:00 PM	50.0	76.9	45.4
05:00 PM - 06:00 PM	51.7	72.8	47.3
06:00 PM - 07:00 PM	48.2	72.2	46.2
07:00 PM - 08:00 PM	46.9	62.0	45.7
08:00 PM - 09:00 PM	49.1	81.2	45.1
09:00 PM - 10:00 PM	49.4	77.4	44.8
10:00 PM - 10:05 PM	45.5	48.1	44.6
10:05 PM - 10:10 PM	45.1	59.2	44.7
10:10 PM - 10:15 PM	46.1	59.5	44.9
10:15 PM - 10:20 PM	45.7	49.9	45.0
10:20 PM - 10:25 PM	47.6	68.9	45.5
10:25 PM - 10:30 PM	47.7	57.5	45.7
10:30 PM - 10:35 PM	48.7	66.6	45.2
10:35 PM - 10:40 PM	45.5	52.5	44.9
10:40 PM - 10:45 PM	45.4	56.0	44.9
10:45 PM - 10:50 PM	57.7	73.1	45.0
10:50 PM - 10:55 PM	45.8	61.4	44.8
10:55 PM - 11:00 PM	46.0	53.5	45.2
11:00 PM - 11:05 PM	46.5	56.3	45.1
11:05 PM - 11:10 PM	44.8	51.3	44.2
11:10 PM - 11:15 PM	45.4	54.3	44.8
11:15 PM - 11:20 PM	45.8	54.9	44.4
11:20 PM - 11:25 PM	45.4	50.7	44.8
11:25 PM - 11:30 PM	44.9	49.7	44.3
11:30 PM - 11:35 PM	47.2	60.7	44.7
11:35 PM - 11:40 PM	44.9	46.7	44.6
11:40 PM - 11:45 PM	45.3	48.6	44.9
11:45 PM - 11:50 PM	45.5	48.4	44.4
11:50 PM - 11:55 PM	51.0	74.9	45.3
11:55 PM - 12:00 AM	45.7	50.6	45.2
12:00 AM - 12:05 AM	45.9	48.0	45.0
12:05 AM - 12:10 AM	44.4	49.1	43.2
12:10 AM - 12:15 AM	45.2	47.7	44.3
12:15 AM - 12:20 AM	45.8	50.8	45.1

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599084
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459362-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599084-6
Parameter Noise
Location ที่พักอาศัยด้านทิศใต้ของโครงการ (N7) (จุดอ้างอิง) (GPS 47P 0745564, 1426741) (Shut down)
Measurement Date Nov 21 - 22, 2025
Measurement by Apichart Wilars
Sound Level Meter 531311

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	45.7	56.2	44.9
12:35 AM - 12:40 AM	45.6	51.3	45.1
12:40 AM - 12:45 AM	46.4	54.6	45.8
12:45 AM - 12:50 AM	46.2	56.1	45.6
12:50 AM - 12:55 AM	45.8	55.1	44.9
12:55 AM - 01:00 AM	46.1	52.5	45.3
01:00 AM - 01:05 AM	45.9	58.6	45.1
01:05 AM - 01:10 AM	46.2	56.3	45.2
01:10 AM - 01:15 AM	46.0	50.4	45.3
01:15 AM - 01:20 AM	47.6	68.6	45.2
01:20 AM - 01:25 AM	45.8	65.4	45.1
01:25 AM - 01:30 AM	45.5	49.2	45.1
01:30 AM - 01:35 AM	45.7	49.1	45.0
01:35 AM - 01:40 AM	45.5	49.6	45.0
01:40 AM - 01:45 AM	45.8	54.2	45.2
01:45 AM - 01:50 AM	56.4	78.1	45.3
01:50 AM - 01:55 AM	45.8	48.8	45.4
01:55 AM - 02:00 AM	74.2	101.3	45.0
02:00 AM - 02:05 AM	46.0	55.3	45.3
02:05 AM - 02:10 AM	47.2	64.5	45.0
02:10 AM - 02:15 AM	46.4	61.8	45.4
02:15 AM - 02:20 AM	46.4	64.2	45.2
02:20 AM - 02:25 AM	46.3	49.6	45.5
02:25 AM - 02:30 AM	46.4	49.9	45.6
02:30 AM - 02:35 AM	46.3	50.0	45.4
02:35 AM - 02:40 AM	45.8	48.7	45.2
02:40 AM - 02:45 AM	46.1	48.9	45.3
02:45 AM - 02:50 AM	46.4	51.2	45.4
02:50 AM - 02:55 AM	46.4	47.9	45.7
02:55 AM - 03:00 AM	46.5	51.0	45.3
03:00 AM - 03:05 AM	45.8	48.4	45.3
03:05 AM - 03:10 AM	45.9	48.3	45.2
03:10 AM - 03:15 AM	46.0	48.4	45.2
03:15 AM - 03:20 AM	46.3	48.5	45.3
03:20 AM - 03:25 AM	49.1	73.0	45.5
03:25 AM - 03:30 AM	45.7	48.1	45.0
03:30 AM - 03:35 AM	46.3	50.2	45.6
03:35 AM - 03:40 AM	46.5	48.9	45.5
03:40 AM - 03:45 AM	46.3	48.7	45.4
03:45 AM - 03:50 AM	45.6	47.2	45.1

Approved by

Wibab.
Wilawan Borikak
Manager

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599084
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459362-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample No. 2599084-6
Parameter Noise
Location ที่พักอาศัยด้านทิศใต้ของโครงการ (N7) (จุดอ้างอิง) (GPS 47P 0745564, 1426741) (Shut down)
Measurement Date Nov 21 - 22, 2025
Measurement by Apichart Wilars
Sound Level Meter 531311

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	45.9	50.1	45.2
03:45 AM - 03:50 AM	46.1	48.4	45.4
03:50 AM - 03:55 AM	46.0	48.7	45.2
03:55 AM - 04:00 AM	45.9	46.3	45.0
04:00 AM - 04:05 AM	45.6	47.9	45.0
04:05 AM - 04:10 AM	45.9	48.6	45.1
04:10 AM - 04:15 AM	45.9	49.4	44.9
04:15 AM - 04:20 AM	45.2	47.7	44.5
04:20 AM - 04:25 AM	45.0	46.9	44.3
04:25 AM - 04:30 AM	45.1	48.0	44.4
04:30 AM - 04:35 AM	45.1	48.0	44.5
04:35 AM - 04:40 AM	45.7	48.0	44.9
04:40 AM - 04:45 AM	45.2	47.5	44.6
04:45 AM - 04:50 AM	46.0	49.3	44.5
04:50 AM - 04:55 AM	46.2	64.1	44.6
04:55 AM - 05:00 AM	45.2	48.9	44.3
05:00 AM - 05:05 AM	46.4	52.1	45.2
05:05 AM - 05:10 AM	47.2	65.3	44.9
05:10 AM - 05:15 AM	45.5	48.5	44.9
05:15 AM - 05:20 AM	45.6	48.5	44.7
05:20 AM - 05:25 AM	46.1	48.8	45.3
05:25 AM - 05:30 AM	46.4	50.4	45.3
05:30 AM - 05:35 AM	49.3	72.9	44.2
05:35 AM - 05:40 AM	45.9	55.0	44.9
05:40 AM - 05:45 AM	46.9	54.8	45.1
05:45 AM - 05:50 AM	45.4	52.0	44.4
05:50 AM - 05:55 AM	46.7	56.3	44.4
05:55 AM - 06:00 AM	47.0	60.9	44.9
06:00 AM - 07:00 AM	49.5	71.2	46.3
07:00 AM - 08:00 AM	50.4	73.6	44.6
08:00 AM - 09:00 AM	48.5	72.1	44.2
09:00 AM - 10:00 AM	50.5	74.2	42.9

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงชุมชน ระดับเสียงขณะดำเนินการขนาน การตรวจวัดและคำนวณระดับเสียงขณะดำเนินการขนาน การคำนวณการรบกวนการขนาน และแนวปฏิบัติในการตรวจวัดเสียงชุมชน พ.ศ. 2565

Approved by

Wibab.
Wilawan Borikak
Manager

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phusadangk, Rayong Thailand 21140

Lot ID: 2599084
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459363-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599084-7
Parameter Noise
Location ที่พักอาศัยด้านทิศใต้ของโครงการ (N7) (จุดจำลอง) (GPS 47P 0745564, 1426741) (Shut down)
Measurement Date Nov 22 - 23, 2025
Measurement by Apichart Wilars
Sound Level Meter 531311

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	50.3	77.2	43.8
11:00 AM - 12:00 PM	46.6	69.4	43.6
12:00 PM - 01:00 PM	46.8	72.2	43.2
01:00 PM - 02:00 PM	45.0	63.3	42.7
02:00 PM - 03:00 PM	47.7	76.7	42.4
03:00 PM - 04:00 PM	45.4	72.7	42.4
04:00 PM - 05:00 PM	45.5	66.2	43.1
05:00 PM - 06:00 PM	49.7	73.3	44.7
06:00 PM - 07:00 PM	48.9	65.2	46.9
07:00 PM - 08:00 PM	49.9	73.8	47.0
08:00 PM - 09:00 PM	49.4	71.3	47.0
09:00 PM - 10:00 PM	49.7	75.2	46.5
10:00 PM - 10:05 PM	48.4	65.9	46.4
10:05 PM - 10:10 PM	49.1	69.2	45.4
10:10 PM - 10:15 PM	48.4	61.7	46.5
10:15 PM - 10:20 PM	50.6	64.4	46.8
10:20 PM - 10:25 PM	50.0	62.4	46.7
10:25 PM - 10:30 PM	48.8	62.0	46.5
10:30 PM - 10:35 PM	47.3	55.1	46.4
10:35 PM - 10:40 PM	50.1	62.8	46.7
10:40 PM - 10:45 PM	50.1	67.7	46.9
10:45 PM - 10:50 PM	51.6	70.8	46.9
10:50 PM - 10:55 PM	46.9	49.4	46.2
10:55 PM - 11:00 PM	46.8	58.8	46.1
11:00 PM - 11:05 PM	46.6	50.5	45.9
11:05 PM - 11:10 PM	46.9	62.5	46.0
11:10 PM - 11:15 PM	46.9	48.1	46.9
11:15 PM - 11:20 PM	46.8	49.3	45.9
11:20 PM - 11:25 PM	49.4	65.4	46.2
11:25 PM - 11:30 PM	49.2	59.2	46.2
11:30 PM - 11:35 PM	46.3	50.4	45.8
11:35 PM - 11:40 PM	46.9	57.1	45.9
11:40 PM - 11:45 PM	47.4	55.4	46.0
11:45 PM - 11:50 PM	47.9	63.5	45.9
11:50 PM - 11:55 PM	46.8	58.6	45.6
11:55 PM - 12:00 AM	46.8	53.4	45.7
12:00 AM - 12:05 AM	46.6	60.2	45.8
12:05 AM - 12:10 AM	48.3	62.8	45.5
12:10 AM - 12:15 AM	46.1	49.1	45.5
12:15 AM - 12:20 AM	46.9	49.4	45.6

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Approved by

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phusadangk, Rayong Thailand 21140

Lot ID: 2599084
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459363-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599084-7
Parameter Noise
Location ที่พักอาศัยด้านทิศใต้ของโครงการ (N7) (จุดจำลอง) (GPS 47P 0745564, 1426741) (Shut down)
Measurement Date Nov 22 - 23, 2025
Measurement by Apichart Wilars
Sound Level Meter 531311

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:20 AM - 12:25 AM	47.3	63.2	45.5
12:25 AM - 12:30 AM	47.5	60.5	45.7
12:30 AM - 12:35 AM	47.7	56.3	46.2
12:35 AM - 12:40 AM	48.8	61.4	46.0
12:40 AM - 12:45 AM	51.9	73.8	46.6
12:45 AM - 12:50 AM	47.5	56.1	46.0
12:50 AM - 12:55 AM	50.4	71.0	47.0
12:55 AM - 01:00 AM	49.5	60.1	45.9
01:00 AM - 01:05 AM	50.5	61.2	46.4
01:05 AM - 01:10 AM	49.8	58.3	46.0
01:10 AM - 01:15 AM	47.2	53.9	45.7
01:15 AM - 01:20 AM	47.8	56.0	45.8
01:20 AM - 01:25 AM	48.0	62.6	45.9
01:25 AM - 01:30 AM	49.1	59.7	45.7
01:30 AM - 01:35 AM	49.1	72.1	45.6
01:35 AM - 01:40 AM	47.3	59.7	45.7
01:40 AM - 01:45 AM	47.3	60.7	46.1
01:45 AM - 01:50 AM	48.0	60.2	46.0
01:50 AM - 01:55 AM	48.4	60.2	46.0
01:55 AM - 02:00 AM	48.0	63.9	45.6
02:00 AM - 02:05 AM	48.7	61.1	45.4
02:05 AM - 02:10 AM	49.5	67.2	45.7
02:10 AM - 02:15 AM	48.1	62.1	45.5
02:15 AM - 02:20 AM	46.7	56.6	44.9
02:20 AM - 02:25 AM	46.0	58.4	45.0
02:25 AM - 02:30 AM	45.6	51.1	45.1
02:30 AM - 02:35 AM	45.7	47.4	45.1
02:35 AM - 02:40 AM	46.0	50.4	45.5
02:40 AM - 02:45 AM	46.5	49.4	45.8
02:45 AM - 02:50 AM	46.3	48.7	45.4
02:50 AM - 02:55 AM	46.1	49.1	45.4
02:55 AM - 03:00 AM	46.0	49.0	45.3
03:00 AM - 03:05 AM	48.5	71.7	45.3
03:05 AM - 03:10 AM	46.1	48.8	45.3
03:10 AM - 03:15 AM	46.5	66.4	45.2
03:15 AM - 03:20 AM	47.2	66.2	45.3
03:20 AM - 03:25 AM	49.3	73.6	45.3
03:25 AM - 03:30 AM	46.4	48.3	45.7
03:30 AM - 03:35 AM	46.2	48.8	45.6
03:35 AM - 03:40 AM	46.2	48.5	45.5

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Wilawan Borikak
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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phusadangk, Rayong Thailand 21140

Lot ID: 2599084
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459363-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599084-7
Parameter Noise
Location บ้านพักอาศัยฝั่งตะวันออกของถนนสายพัฒนาของโครงการ ส่วนแนว ซะหะฮิตสาธารณาการ (N8) (จุดจำลอง) (GPS 47P 0746035, 142
Measurement Date Nov 16 - 17, 2025
Measurement by Apichart Wilars
Sound Level Meter 531311

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	45.8	47.6	45.1
03:45 AM - 03:50 AM	46.0	55.4	45.3
03:50 AM - 03:55 AM	51.9	78.6	45.2
03:55 AM - 04:00 AM	45.6	47.3	45.0
04:00 AM - 04:05 AM	46.1	48.2	45.3
04:05 AM - 04:10 AM	46.1	45.3	45.3
04:10 AM - 04:15 AM	46.2	48.6	45.3
04:15 AM - 04:20 AM	46.6	50.3	45.6
04:20 AM - 04:25 AM	46.9	56.2	45.8
04:25 AM - 04:30 AM	47.3	58.1	45.7
04:30 AM - 04:35 AM	46.8	52.8	45.5
04:35 AM - 04:40 AM	46.8	60.2	45.5
04:40 AM - 04:45 AM	49.2	74.0	45.7
04:45 AM - 04:50 AM	46.2	50.6	46.1
04:50 AM - 04:55 AM	46.7	50.4	45.4
04:55 AM - 05:00 AM	46.5	49.3	45.4
05:00 AM - 05:05 AM	47.0	68.2	45.1
05:05 AM - 05:10 AM	46.4	49.5	45.1
05:10 AM - 05:15 AM	46.6	53.4	45.3
05:15 AM - 05:20 AM	46.5	56.3	45.4
05:20 AM - 05:25 AM	49.9	68.1	46.8
05:25 AM - 05:30 AM	50.2	69.4	47.3
05:30 AM - 05:35 AM	49.4	65.2	48.2
05:35 AM - 05:40 AM	48.7	50.6	46.8
05:40 AM - 05:45 AM	49.3	62.7	46.4
05:45 AM - 05:50 AM	47.5	53.1	46.2
05:50 AM - 05:55 AM	47.6	52.1	46.5
05:55 AM - 06:00 AM	47.7	64.6	46.1
06:00 AM - 07:00 AM	46.0	70.6	45.3
07:00 AM - 08:00 AM	52.0	77.4	46.1
08:00 AM - 09:00 AM	52.5	72.8	46.5
09:00 AM - 10:00 AM	48.5	74.2	44.3

Reference Method :

1. ISO 1996-1
2. ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงในชุมชน กรณีเสียงรบกวนจากการจราจร การตรวจวัดและคำนวณระดับเสียงของกิจกรรมการก่อสร้างและการขนถ่ายวัสดุ และฉบับที่ 1 การตรวจวัดเสียงรบกวน พ.ร.บ. 2565

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Approved by

Wibab.

Wilawan Borikak
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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phusadangk, Rayong Thailand 21140

Lot ID: 2599084
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459364-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599084-8
Parameter Noise
Location บ้านพักอาศัยฝั่งตะวันออกของถนนสายพัฒนาของโครงการ ส่วนแนว ซะหะฮิตสาธารณาการ (N8) (จุดจำลอง) (GPS 47P 0746035, 142
Measurement Date Nov 16 - 17, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120936

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	46.3	67.3	43.1
11:00 AM - 12:00 PM	58.6	87.6	48.8
12:00 PM - 01:00 PM	56.6	77.1	45.7
01:00 PM - 02:00 PM	52.9	72.3	45.9
02:00 PM - 03:00 PM	55.8	96.6	41.8
03:00 PM - 04:00 PM	44.1	52.8	42.1
04:00 PM - 05:00 PM	43.3	60.0	41.3
05:00 PM - 06:00 PM	42.1	50.3	41.1
06:00 PM - 07:00 PM	46.1	65.1	46.1
07:00 PM - 08:00 PM	48.7	58.0	47.0
08:00 PM - 09:00 PM	49.3	61.6	47.2
09:00 PM - 10:00 PM	47.4	55.9	46.0
10:00 PM - 10:05 PM	50.0	55.8	47.4
10:05 PM - 10:10 PM	49.0	53.3	47.3
10:10 PM - 10:15 PM	47.5	52.7	46.2
10:15 PM - 10:20 PM	49.2	54.3	46.4
10:20 PM - 10:25 PM	49.8	55.2	47.1
10:25 PM - 10:30 PM	49.5	59.6	46.7
10:30 PM - 10:35 PM	48.8	57.6	46.4
10:35 PM - 10:40 PM	48.5	60.3	46.3
10:40 PM - 10:45 PM	49.3	60.8	45.8
10:45 PM - 10:50 PM	48.4	58.7	45.5
10:50 PM - 10:55 PM	49.4	68.1	45.3
10:55 PM - 11:00 PM	47.2	54.3	44.9
11:00 PM - 11:05 PM	52.7	73.1	45.9
11:05 PM - 11:10 PM	48.5	60.9	45.8
11:10 PM - 11:15 PM	49.0	61.8	45.4
11:15 PM - 11:20 PM	47.1	59.8	45.1
11:20 PM - 11:25 PM	47.8	57.4	45.4
11:25 PM - 11:30 PM	46.2	51.6	45.7
11:30 PM - 11:35 PM	48.4	51.4	45.8
11:35 PM - 11:40 PM	48.3	51.4	46.0
11:40 PM - 11:45 PM	47.8	51.4	45.4
11:45 PM - 11:50 PM	48.6	51.9	46.4
11:50 PM - 11:55 PM	48.5	52.1	46.0
11:55 PM - 12:00 AM	48.2	51.8	45.8
12:00 AM - 12:05 AM	48.4	52.6	46.2
12:05 AM - 12:10 AM	48.6	52.1	46.5
12:10 AM - 12:15 AM	48.6	52.5	46.5
12:15 AM - 12:20 AM	47.4	52.7	45.9

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Wilawan Borikak
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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599084
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report No. : 3459364-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599084-8
Parameter Noise
Location บ้านเพ็งที่สี่ชัยและนางกับสนามกีฬาและนอกลอกรการ ส่วนขยาย ที่ประชิดสนามบางพารา (N8) (จุดส่ง) (GPS 47P 0746035, 142
Measurement Date Nov 16 - 17, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120936

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:20 AM - 12:25 AM	47.3	50.9	46.2
12:25 AM - 12:30 AM	48.0	52.3	46.2
12:30 AM - 12:35 AM	48.7	52.8	46.5
12:35 AM - 12:40 AM	49.0	52.4	47.2
12:40 AM - 12:45 AM	49.2	52.5	47.2
12:45 AM - 12:50 AM	49.1	52.7	47.2
12:50 AM - 12:55 AM	49.4	50.9	46.9
12:55 AM - 01:00 AM	48.6	57.5	46.8
01:00 AM - 01:05 AM	48.8	52.2	47.0
01:05 AM - 01:10 AM	48.7	51.9	47.1
01:10 AM - 01:15 AM	49.3	51.8	47.5
01:15 AM - 01:20 AM	49.1	51.8	47.3
01:20 AM - 01:25 AM	48.2	53.7	46.9
01:25 AM - 01:30 AM	49.6	53.8	47.4
01:30 AM - 01:35 AM	49.7	54.0	47.6
01:35 AM - 01:40 AM	49.1	52.5	47.1
01:40 AM - 01:45 AM	49.3	53.8	47.1
01:45 AM - 01:50 AM	48.7	53.5	46.3
01:50 AM - 01:55 AM	47.9	52.4	46.6
01:55 AM - 02:00 AM	47.8	50.2	46.5
02:00 AM - 02:05 AM	47.6	50.0	46.3
02:05 AM - 02:10 AM	47.9	50.5	46.6
02:10 AM - 02:15 AM	47.7	50.1	46.8
02:15 AM - 02:20 AM	47.9	51.8	46.9
02:20 AM - 02:25 AM	47.9	52.1	46.9
02:25 AM - 02:30 AM	47.2	51.0	46.2
02:30 AM - 02:35 AM	46.8	49.5	45.8
02:35 AM - 02:40 AM	47.3	51.5	46.0
02:40 AM - 02:45 AM	46.7	49.7	45.8
02:45 AM - 02:50 AM	46.2	49.5	45.2
02:50 AM - 02:55 AM	47.4	51.6	45.6
02:55 AM - 03:00 AM	46.8	50.2	45.4
03:00 AM - 03:05 AM	47.2	50.8	45.4
03:05 AM - 03:10 AM	47.4	50.8	45.4
03:10 AM - 03:15 AM	47.3	50.7	45.5
03:15 AM - 03:20 AM	46.9	50.8	45.2
03:20 AM - 03:25 AM	46.8	50.2	45.2
03:25 AM - 03:30 AM	46.7	49.9	45.2
03:30 AM - 03:35 AM	47.0	50.1	45.4
03:35 AM - 03:40 AM	47.0	50.6	45.4

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Life Sciences

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599084
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report No. : 3459364-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample No. 2599084-8
Parameter Noise
Location บ้านเพ็งที่สี่ชัยและนางกับสนามกีฬาและนอกลอกรการ ส่วนขยาย ที่ประชิดสนามบางพารา (N8) (จุดส่ง) (GPS 47P 0746035, 142
Measurement Date Nov 16 - 17, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120936

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	47.3	50.7	45.7
03:45 AM - 03:50 AM	46.9	50.9	45.2
03:50 AM - 03:55 AM	46.8	50.7	45.1
03:55 AM - 04:00 AM	46.8	50.6	45.3
04:00 AM - 04:05 AM	46.6	50.1	45.0
04:05 AM - 04:10 AM	46.9	50.8	45.1
04:10 AM - 04:15 AM	46.3	51.0	45.3
04:15 AM - 04:20 AM	46.8	50.6	45.2
04:20 AM - 04:25 AM	46.7	51.6	44.7
04:25 AM - 04:30 AM	46.7	51.8	44.7
04:30 AM - 04:35 AM	46.7	51.1	44.5
04:35 AM - 04:40 AM	46.8	52.9	44.5
04:40 AM - 04:45 AM	46.2	50.8	44.3
04:45 AM - 04:50 AM	46.3	50.2	44.3
04:50 AM - 04:55 AM	45.7	49.9	43.8
04:55 AM - 05:00 AM	46.2	50.4	44.0
05:00 AM - 05:05 AM	46.9	50.8	44.6
05:05 AM - 05:10 AM	47.5	50.6	45.6
05:10 AM - 05:15 AM	47.1	50.8	45.2
05:15 AM - 05:20 AM	47.3	51.2	45.4
05:20 AM - 05:25 AM	46.9	51.4	44.6
05:25 AM - 05:30 AM	45.3	50.2	43.8
05:30 AM - 05:35 AM	45.1	48.7	43.6
05:35 AM - 05:40 AM	45.1	48.7	43.6
05:40 AM - 05:45 AM	45.2	50.8	43.5
05:45 AM - 05:50 AM	46.8	50.7	44.2
05:50 AM - 05:55 AM	45.5	51.0	43.9
05:55 AM - 06:00 AM	44.5	58.3	43.6
06:00 AM - 07:00 AM	44.1	61.9	42.8
07:00 AM - 08:00 AM	43.4	59.9	42.2
08:00 AM - 09:00 AM	43.4	51.6	42.4
09:00 AM - 10:00 AM	46.7	50.2	44.5

Reference Method :

- ISO 1996-1
- ประเทศไทยและกรมควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงที่ฐาน ขนส่งเสียงจากอาคาร การตรวจวัดและคำนวณระดับเสียงจากอาคาร การคำนวณระดับเสียงจากอาคาร และแบบฉบับการตรวจวัดระดับเสียง พ.ศ. 2565

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Life Sciences

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599084
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report No. : 3459365-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599084-9
Parameter Noise
Location บ้านเพ็งที่สี่ชัยและนางกับสนามกีฬาและนอกลอกรการ ส่วนขยาย ที่ประชิดสนามบางพารา (N8) (จุดส่ง) (GPS 47P 0746035, 142
Measurement Date Nov 17 - 18, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120936

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	44.3	55.6	42.4
11:00 AM - 12:00 PM	44.3	61.0	42.8
12:00 PM - 01:00 PM	42.7	70.9	41.0
01:00 PM - 02:00 PM	44.8	60.2	43.1
02:00 PM - 03:00 PM	46.4	70.0	44.1
03:00 PM - 04:00 PM	45.5	59.5	43.5
04:00 PM - 05:00 PM	43.2	61.7	42.0
05:00 PM - 06:00 PM	44.6	61.6	43.2
06:00 PM - 07:00 PM	50.6	66.9	49.0
07:00 PM - 08:00 PM	52.6	58.1	50.6
08:00 PM - 09:00 PM	54.7	58.5	52.1
09:00 PM - 10:00 PM	55.7	77.3	51.6
10:00 PM - 10:05 PM	51.0	54.8	47.9
10:05 PM - 10:10 PM	51.0	53.8	47.8
10:10 PM - 10:15 PM	51.0	54.0	48.0
10:15 PM - 10:20 PM	51.0	54.4	48.1
10:20 PM - 10:25 PM	51.1	53.0	48.0
10:25 PM - 10:30 PM	50.9	53.3	47.7
10:30 PM - 10:35 PM	51.1	54.0	48.2
10:35 PM - 10:40 PM	51.4	54.0	48.4
10:40 PM - 10:45 PM	50.5	54.8	47.1
10:45 PM - 10:50 PM	47.6	52.0	46.5
10:50 PM - 10:55 PM	48.2	50.2	46.9
10:55 PM - 11:00 PM	48.5	51.2	46.5
11:00 PM - 11:05 PM	48.2	50.0	46.8
11:05 PM - 11:10 PM	48.4	51.4	46.8
11:10 PM - 11:15 PM	49.5	52.7	48.1
11:15 PM - 11:20 PM	49.9	54.0	48.3
11:20 PM - 11:25 PM	50.2	54.2	48.4
11:25 PM - 11:30 PM	48.9	51.1	47.4
11:30 PM - 11:35 PM	49.1	51.5	47.8
11:35 PM - 11:40 PM	48.2	51.0	46.2
11:40 PM - 11:45 PM	48.6	51.0	46.8
11:45 PM - 11:50 PM	48.9	51.1	47.1
11:50 PM - 11:55 PM	48.1	50.3	46.5
11:55 PM - 12:00 AM	57.9	78.2	46.3
12:00 AM - 12:05 AM	50.0	51.4	47.1
12:05 AM - 12:10 AM	49.5	53.0	46.1
12:10 AM - 12:15 AM	49.3	53.5	46.4
12:15 AM - 12:20 AM	49.0	53.0	45.8

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599084
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report No. : 3459365-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599084-9
Parameter Noise
Location บ้านเพ็งที่สี่ชัยและนางกับสนามกีฬาและนอกลอกรการ ส่วนขยาย ที่ประชิดสนามบางพารา (N8) (จุดส่ง) (GPS 47P 0746035, 142
Measurement Date Nov 17 - 18, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120936

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:20 AM - 12:25 AM	49.7	53.7	47.1
12:25 AM - 12:30 AM	49.7	52.7	46.8
12:30 AM - 12:35 AM	49.8	52.9	47.0
12:35 AM - 12:40 AM	50.0	52.9	47.4
12:40 AM - 12:45 AM	50.2	52.9	47.6
12:45 AM - 12:50 AM	50.0	53.2	48.0
12:50 AM - 12:55 AM	49.9	53.5	47.7
12:55 AM - 01:00 AM	49.8	53.5	47.5
01:00 AM - 01:05 AM	49.9	53.7	47.6
01:05 AM - 01:10 AM	49.5	53.6	47.2
01:10 AM - 01:15 AM	48.7	51.3	47.2
01:15 AM - 01:20 AM	48.3	50.2	46.9
01:20 AM - 01:25 AM	48.2	50.1	46.8
01:25 AM - 01:30 AM	48.4	50.7	47.1
01:30 AM - 01:35 AM	48.9	52.5	47.5
01:35 AM - 01:40 AM	48.8	51.2	47.5
01:40 AM - 01:45 AM	48.9	52.2	47.9
01:45 AM - 01:50 AM	47.9	49.7	47.1
01:50 AM - 01:55 AM	47.6	52.1	46.9
01:55 AM - 02:00 AM	47.6	50.0	46.5
02:00 AM - 02:05 AM	47.4	48.0	46.6
02:05 AM - 02:10 AM	47.4	50.3	46.4
02:10 AM - 02:15 AM	46.6	48.9	45.9
02:15 AM - 02:20 AM	47.0	49.9	46.1
02:20 AM - 02:25 AM	46.5	48.4	45.9
02:25 AM - 02:30 AM	46.4	49.6	45.7
02:30 AM - 02:35 AM	46.9	54.0	45.9
02:35 AM - 02:40 AM	46.7	52.0	45.9
02:40 AM - 02:45 AM	46.5	51.8	45.8
02:45 AM - 02:50 AM	46.5	49.6	45.8
02:50 AM - 02:55 AM	46.4	58.0	45.5
02:55 AM - 03:00 AM	46.4	49.0	45.6
03:00 AM - 03:05 AM	46.3	49.5	45.6
03:05 AM - 03:10 AM	46.8	52.3	45.8
03:10 AM - 03:15 AM	46.8	49.7	45.8
03:15 AM - 03:20 AM	46.7	49.0	45.9
03:20 AM - 03:25 AM	47.1	49.9	46.2
03:25 AM - 03:30 AM	46.9	49.6	45.9
03:30 AM - 03:35 AM	46.9	49.4	46.0
03:35 AM - 03:40 AM	47.5	50.2	46.4

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599084
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459366-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599084-9
Parameter Noise
Location บริเวณพื้นที่สีเขียวและแนวกันชนด้านทิศตะวันออกของโครงการ ส่วนขยาย ที่ประชิดสวนบางพารา (N8) (จุดส่ง) (GPS 47P 0746035, 142
Measurement Date Nov 18 - 19, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120936

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	47.1	50.1	45.7
03:45 AM - 03:50 AM	46.9	49.8	45.3
03:50 AM - 03:55 AM	46.2	49.4	45.0
03:55 AM - 04:00 AM	46.5	49.6	45.4
04:00 AM - 04:05 AM	46.6	50.7	45.2
04:05 AM - 04:10 AM	46.2	50.0	45.1
04:10 AM - 04:15 AM	46.8	49.8	45.3
04:15 AM - 04:20 AM	46.5	49.3	45.1
04:20 AM - 04:25 AM	45.2	48.4	44.3
04:25 AM - 04:30 AM	45.6	49.4	44.8
04:30 AM - 04:35 AM	45.6	50.0	44.5
04:35 AM - 04:40 AM	45.2	49.7	44.3
04:40 AM - 04:45 AM	45.5	49.9	44.7
04:45 AM - 04:50 AM	45.7	49.0	44.8
04:50 AM - 04:55 AM	45.2	48.7	44.3
04:55 AM - 05:00 AM	45.6	49.4	44.7
05:00 AM - 05:05 AM	46.3	52.4	45.0
05:05 AM - 05:10 AM	46.5	53.0	45.2
05:10 AM - 05:15 AM	46.2	49.5	45.2
05:15 AM - 05:20 AM	45.7	49.6	44.9
05:20 AM - 05:25 AM	46.6	50.4	45.2
05:25 AM - 05:30 AM	48.6	53.9	45.8
05:30 AM - 05:35 AM	48.1	52.8	45.4
05:35 AM - 05:40 AM	48.6	52.2	46.3
05:40 AM - 05:45 AM	49.9	57.0	47.4
05:45 AM - 05:50 AM	49.0	52.2	46.9
05:50 AM - 05:55 AM	48.6	53.1	46.4
05:55 AM - 06:00 AM	47.2	50.9	45.5
06:00 AM - 07:00 AM	45.0	56.6	43.8
07:00 AM - 08:00 AM	43.7	64.8	42.2
08:00 AM - 09:00 AM	44.4	59.7	43.2
09:00 AM - 10:00 AM	45.7	59.8	44.0

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมเสียงรบกวน เรื่อง วิธีการตรวจวัดระดับเสียงที่ฐานารับเสียงของสถานีการตรวจวัด การตรวจวัดและคำนวณระดับเสียงของกิจกรรมตามกำหนดการการตรวจวัด และแนวปฏิบัติในการตรวจวัดเสียงรบกวน พ.ศ. 2565

Approved by

Wibb.

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599084
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459366-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599084-10
Parameter Noise
Location บริเวณพื้นที่สีเขียวและแนวกันชนด้านทิศตะวันออกของโครงการ ส่วนขยาย ที่ประชิดสวนบางพารา (N8) (จุดส่ง) (GPS 47P 0746035, 142
Measurement Date Nov 18 - 19, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120936

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	44.7	61.2	43.0
11:00 AM - 12:00 PM	44.2	57.0	43.0
12:00 PM - 01:00 PM	43.0	51.5	41.9
01:00 PM - 02:00 PM	44.7	60.8	43.1
02:00 PM - 03:00 PM	44.0	58.8	42.5
03:00 PM - 04:00 PM	45.6	59.7	44.1
04:00 PM - 05:00 PM	45.9	72.4	44.0
05:00 PM - 06:00 PM	44.9	54.1	43.7
06:00 PM - 07:00 PM	46.9	58.3	45.4
07:00 PM - 08:00 PM	53.7	59.0	49.9
08:00 PM - 09:00 PM	53.8	73.2	51.1
09:00 PM - 10:00 PM	53.0	65.3	49.5
10:00 PM - 10:05 PM	52.7	55.7	49.3
10:05 PM - 10:10 PM	53.0	56.1	49.7
10:10 PM - 10:15 PM	52.8	55.8	49.5
10:15 PM - 10:20 PM	52.8	55.8	49.7
10:20 PM - 10:25 PM	52.7	55.5	49.4
10:25 PM - 10:30 PM	52.9	56.5	49.8
10:30 PM - 10:35 PM	52.7	55.5	49.6
10:35 PM - 10:40 PM	52.7	55.5	49.3
10:40 PM - 10:45 PM	52.0	54.9	48.3
10:45 PM - 10:50 PM	51.5	54.4	47.2
10:50 PM - 10:55 PM	51.5	54.8	47.1
10:55 PM - 11:00 PM	51.7	55.0	47.6
11:00 PM - 11:05 PM	54.0	78.1	45.8
11:05 PM - 11:10 PM	49.9	55.3	46.3
11:10 PM - 11:15 PM	50.8	55.5	46.4
11:15 PM - 11:20 PM	50.6	55.5	46.2
11:20 PM - 11:25 PM	46.5	50.7	45.5
11:25 PM - 11:30 PM	52.1	68.9	45.9
11:30 PM - 11:35 PM	46.8	50.0	45.8
11:35 PM - 11:40 PM	46.3	48.4	45.6
11:40 PM - 11:45 PM	46.7	48.9	45.7
11:45 PM - 11:50 PM	46.5	49.6	45.3
11:50 PM - 11:55 PM	45.9	48.2	45.1
11:55 PM - 12:00 AM	46.2	49.4	45.0
12:00 AM - 12:05 AM	45.7	49.6	44.9
12:05 AM - 12:10 AM	46.0	55.6	44.8
12:10 AM - 12:15 AM	46.1	51.4	44.6
12:15 AM - 12:20 AM	45.3	48.7	44.1

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599084
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459366-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599084-10
Parameter Noise
Location บริเวณพื้นที่สีเขียวและแนวกันชนด้านทิศตะวันออกของโครงการ ส่วนขยาย ที่ประชิดสวนบางพารา (N8) (จุดส่ง) (GPS 47P 0746035, 142
Measurement Date Nov 18 - 19, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120936

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:20 AM - 12:25 AM	45.5	48.5	44.2
12:25 AM - 12:30 AM	45.5	48.7	44.1
12:30 AM - 12:35 AM	45.8	48.8	44.7
12:35 AM - 12:40 AM	45.6	48.5	44.4
12:40 AM - 12:45 AM	45.9	48.4	45.0
12:45 AM - 12:50 AM	46.0	49.3	44.9
12:50 AM - 12:55 AM	45.7	49.4	44.9
12:55 AM - 01:00 AM	46.1	48.5	45.0
01:00 AM - 01:05 AM	46.3	49.8	45.3
01:05 AM - 01:10 AM	47.8	51.9	45.7
01:10 AM - 01:15 AM	48.3	51.7	47.1
01:15 AM - 01:20 AM	47.3	51.4	45.7
01:20 AM - 01:25 AM	47.6	50.9	46.0
01:25 AM - 01:30 AM	47.7	50.6	46.3
01:30 AM - 01:35 AM	46.8	50.9	45.3
01:35 AM - 01:40 AM	46.8	49.6	45.4
01:40 AM - 01:45 AM	46.2	49.6	44.3
01:45 AM - 01:50 AM	45.1	49.4	43.5
01:50 AM - 01:55 AM	47.8	54.2	45.3
01:55 AM - 02:00 AM	52.1	58.3	48.6
02:00 AM - 02:05 AM	56.7	63.3	54.8
02:05 AM - 02:10 AM	56.9	60.6	55.7
02:10 AM - 02:15 AM	58.1	61.0	55.2
02:15 AM - 02:20 AM	53.8	57.5	50.0
02:20 AM - 02:25 AM	53.6	57.4	51.8
02:25 AM - 02:30 AM	50.7	58.9	47.4
02:30 AM - 02:35 AM	48.9	53.6	46.5
02:35 AM - 02:40 AM	48.2	54.0	45.9
02:40 AM - 02:45 AM	47.8	53.4	44.7
02:45 AM - 02:50 AM	46.4	53.2	44.6
02:50 AM - 02:55 AM	45.1	52.6	44.2
02:55 AM - 03:00 AM	45.7	48.2	44.3
03:00 AM - 03:05 AM	47.4	74.7	44.5
03:05 AM - 03:10 AM	44.9	48.2	44.1
03:10 AM - 03:15 AM	45.3	50.8	44.3
03:15 AM - 03:20 AM	45.4	48.2	44.4
03:20 AM - 03:25 AM	45.8	48.5	44.7
03:25 AM - 03:30 AM	45.6	48.4	45.6
03:30 AM - 03:35 AM	46.1	51.4	44.7
03:35 AM - 03:40 AM	45.8	49.5	44.7

Approved by

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Life Sciences

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599084
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459366-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample No. 2599084-10
Parameter Noise
Location บริเวณพื้นที่สีเขียวและแนวกันชนด้านทิศตะวันออกของโครงการ ส่วนขยาย ที่ประชิดสวนบางพารา (N8) (จุดส่ง) (GPS 47P 0746035, 142
Measurement Date Nov 18 - 19, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120936

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	45.1	49.8	44.8
03:45 AM - 03:50 AM	45.9	49.3	44.6
03:50 AM - 03:55 AM	45.7	49.6	44.8
03:55 AM - 04:00 AM	45.9	48.5	45.0
04:00 AM - 04:05 AM	46.1	49.0	45.4
04:05 AM - 04:10 AM	46.4	49.4	45.4
04:10 AM - 04:15 AM	46.7	51.2	45.7
04:15 AM - 04:20 AM	46.3	54.5	45.4
04:20 AM - 04:25 AM	47.3	50.4	46.1
04:25 AM - 04:30 AM	47.1	52.1	45.7
04:30 AM - 04:35 AM	46.9	50.3	45.7
04:35 AM - 04:40 AM	53.4	71.6	46.2
04:40 AM - 04:45 AM	47.4	53.0	46.3
04:45 AM - 04:50 AM	46.6	51.8	46.4
04:50 AM - 04:55 AM	47.6	50.7	46.5
04:55 AM - 05:00 AM	47.8	50.5	46.5
05:00 AM - 05:05 AM	47.0	53.9	45.9
05:05 AM - 05:10 AM	47.7	53.6	46.3
05:10 AM - 05:15 AM	47.4	53.9	46.0
05:15 AM - 05:20 AM	46.3	49.6	45.7
05:20 AM - 05:25 AM	46.1	50.5	45.5
05:25 AM - 05:30 AM	46.1	49.1	45.3
05:30 AM - 05:35 AM	46.0	50.2	44.9
05:35 AM - 05:40 AM	46.5	52.1	45.4
05:40 AM - 05:45 AM	46.6	58.4	45.3
05:45 AM - 05:50 AM	46.3	54.5	45.2
05:50 AM - 05:55 AM	45.8	48.6	45.0
05:55 AM - 06:00 AM	45.8	48.5	44.9
06:00 AM - 07:00 AM	46.2	54.0	45.3
07:00 AM - 08:00 AM	46.8	61.8	45.5
08:00 AM - 09:00 AM	46.8	61.6	45.3
09:00 AM - 10:00 AM	48.4	62.5	46.4

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมเสียงรบกวน เรื่อง วิธีการตรวจวัดระดับเสียงที่ฐานารับเสียงของสถานีการตรวจวัด การตรวจวัดและคำนวณระดับเสียงของกิจกรรมตามกำหนดการการตรวจวัด และแนวปฏิบัติในการตรวจวัดเสียงรบกวน พ.ศ. 2565

Approved by

Wibb.

Wilawan Borikak
Manager

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Life Sciences

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599084
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459367-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599084-11
Parameter Noise
Location บริเวณพื้นที่สีเขียวและแนวถนนด้านทิศตะวันออกของโครงการ ส่วนขยาย ที่ประชิดสนามบาสเกตบอล (N8) (จุดส่ง) (GPS 47P 0746035, 142
Measurement Date Nov 19 - 20, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120936

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	47.1	70.8	45.1
11:00 AM - 12:00 PM	45.8	60.3	44.0
12:00 PM - 01:00 PM	46.7	58.4	44.4
01:00 PM - 02:00 PM	46.4	61.5	43.9
02:00 PM - 03:00 PM	45.4	71.5	43.8
03:00 PM - 04:00 PM	45.1	63.5	43.4
04:00 PM - 05:00 PM	45.2	54.1	43.9
05:00 PM - 06:00 PM	45.6	55.9	44.2
06:00 PM - 07:00 PM	47.7	60.4	46.4
07:00 PM - 08:00 PM	46.4	75.8	46.3
08:00 PM - 09:00 PM	47.3	72.1	46.0
09:00 PM - 10:00 PM	48.1	72.4	45.1
10:00 PM - 10:05 PM	46.5	54.8	45.3
10:05 PM - 10:10 PM	46.7	59.0	45.8
10:10 PM - 10:15 PM	46.6	49.6	45.5
10:15 PM - 10:20 PM	46.5	48.9	45.6
10:20 PM - 10:25 PM	46.1	49.7	44.9
10:25 PM - 10:30 PM	46.6	49.6	45.6
10:30 PM - 10:35 PM	46.6	51.7	45.1
10:35 PM - 10:40 PM	46.3	51.3	45.2
10:40 PM - 10:45 PM	46.6	52.9	45.4
10:45 PM - 10:50 PM	47.2	53.6	45.5
10:50 PM - 10:55 PM	46.7	50.7	45.3
10:55 PM - 11:00 PM	45.8	49.4	44.7
11:00 PM - 11:05 PM	49.2	44.2	44.2
11:05 PM - 11:10 PM	45.2	49.6	44.4
11:10 PM - 11:15 PM	45.6	49.8	44.2
11:15 PM - 11:20 PM	46.4	49.6	45.2
11:20 PM - 11:25 PM	45.4	52.3	45.4
11:25 PM - 11:30 PM	46.5	50.1	45.3
11:30 PM - 11:35 PM	46.6	49.4	45.4
11:35 PM - 11:40 PM	46.9	49.7	45.5
11:40 PM - 11:45 PM	46.1	49.4	45.0
11:45 PM - 11:50 PM	52.3	74.9	45.1
11:50 PM - 11:55 PM	46.5	49.8	45.4
11:55 PM - 12:00 AM	45.9	48.5	45.0
12:00 AM - 12:05 AM	46.8	49.8	45.2
12:05 AM - 12:10 AM	46.5	52.0	45.4
12:10 AM - 12:15 AM	46.1	50.2	44.7
12:15 AM - 12:20 AM	45.5	47.3	44.9

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Approved by

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599084
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459367-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599084-11
Parameter Noise
Location บริเวณพื้นที่สีเขียวและแนวถนนด้านทิศตะวันออกของโครงการ ส่วนขยาย ที่ประชิดสนามบาสเกตบอล (N8) (จุดส่ง) (GPS 47P 0746035, 142
Measurement Date Nov 19 - 20, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120936

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:20 AM - 12:25 AM	45.8	48.9	44.8
12:25 AM - 12:30 AM	46.3	51.6	45.3
12:30 AM - 12:35 AM	46.3	48.5	45.5
12:35 AM - 12:40 AM	46.1	48.9	44.9
12:40 AM - 12:45 AM	46.2	49.6	45.0
12:45 AM - 12:50 AM	46.3	48.9	44.8
12:50 AM - 12:55 AM	46.3	49.2	45.1
12:55 AM - 01:00 AM	46.6	49.2	45.3
01:00 AM - 01:05 AM	46.2	49.7	44.9
01:05 AM - 01:10 AM	46.6	49.7	45.2
01:10 AM - 01:15 AM	46.3	48.7	45.2
01:15 AM - 01:20 AM	46.7	54.6	45.4
01:20 AM - 01:25 AM	46.8	54.0	44.9
01:25 AM - 01:30 AM	46.0	49.2	45.6
01:30 AM - 01:35 AM	46.4	55.7	45.2
01:35 AM - 01:40 AM	45.4	48.9	44.4
01:40 AM - 01:45 AM	46.5	50.3	44.9
01:45 AM - 01:50 AM	45.7	49.1	44.4
01:50 AM - 01:55 AM	45.3	50.5	44.5
01:55 AM - 02:00 AM	45.1	48.2	44.2
02:00 AM - 02:05 AM	44.9	49.3	43.9
02:05 AM - 02:10 AM	45.4	49.2	44.2
02:10 AM - 02:15 AM	46.7	53.4	45.1
02:15 AM - 02:20 AM	46.4	49.8	45.1
02:20 AM - 02:25 AM	51.9	70.1	45.3
02:25 AM - 02:30 AM	46.0	49.1	44.9
02:30 AM - 02:35 AM	46.0	49.3	44.8
02:35 AM - 02:40 AM	46.5	50.7	45.0
02:40 AM - 02:45 AM	46.6	53.4	45.2
02:45 AM - 02:50 AM	46.6	51.4	45.0
02:50 AM - 02:55 AM	46.4	49.7	45.3
02:55 AM - 03:00 AM	45.9	49.4	44.6
03:00 AM - 03:05 AM	45.3	48.5	44.4
03:05 AM - 03:10 AM	45.9	50.0	44.8
03:10 AM - 03:15 AM	47.0	50.9	45.6
03:15 AM - 03:20 AM	47.2	52.1	45.4
03:20 AM - 03:25 AM	46.7	50.6	44.9
03:25 AM - 03:30 AM	46.7	51.4	45.5
03:30 AM - 03:35 AM	47.1	56.0	45.0
03:35 AM - 03:40 AM	45.8	50.9	44.9

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599084
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459367-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample No. 2599084-11
Parameter Noise
Location บริเวณพื้นที่สีเขียวและแนวถนนด้านทิศตะวันออกของโครงการ ส่วนขยาย ที่ประชิดสนามบาสเกตบอล (N8) (จุดส่ง) (GPS 47P 0746035, 142
Measurement Date Nov 19 - 20, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120936

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	45.5	49.0	44.3
03:45 AM - 03:50 AM	45.8	49.2	44.4
03:50 AM - 03:55 AM	45.3	52.5	44.2
03:55 AM - 04:00 AM	44.7	49.9	43.6
04:00 AM - 04:05 AM	45.8	57.0	44.5
04:05 AM - 04:10 AM	46.0	50.1	44.9
04:10 AM - 04:15 AM	45.7	48.4	44.5
04:15 AM - 04:20 AM	46.3	52.8	45.3
04:20 AM - 04:25 AM	45.5	48.8	44.3
04:25 AM - 04:30 AM	45.1	50.5	44.4
04:30 AM - 04:35 AM	44.9	47.7	43.7
04:35 AM - 04:40 AM	44.8	48.1	44.0
04:40 AM - 04:45 AM	45.0	56.3	43.8
04:45 AM - 04:50 AM	44.2	50.6	43.2
04:50 AM - 04:55 AM	45.2	49.1	43.6
04:55 AM - 05:00 AM	45.4	49.8	44.4
05:00 AM - 05:05 AM	45.1	47.9	44.3
05:05 AM - 05:10 AM	44.8	50.8	43.8
05:10 AM - 05:15 AM	44.0	49.2	43.1
05:15 AM - 05:20 AM	44.6	48.6	43.6
05:20 AM - 05:25 AM	45.0	50.8	44.1
05:25 AM - 05:30 AM	44.9	48.1	43.7
05:30 AM - 05:35 AM	45.0	49.2	43.8
05:35 AM - 05:40 AM	44.6	50.2	43.1
05:40 AM - 05:45 AM	45.4	50.1	44.1
05:45 AM - 05:50 AM	44.8	49.9	43.8
05:50 AM - 05:55 AM	45.4	53.2	44.1
05:55 AM - 06:00 AM	44.7	51.7	43.4
06:00 AM - 07:00 AM	44.4	57.5	42.9
07:00 AM - 08:00 AM	45.5	57.1	43.6
08:00 AM - 09:00 AM	48.3	69.2	46.0
09:00 AM - 10:00 AM	48.7	67.3	45.9

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงในชุมชน กรณีการวัดและคำนวณระดับเสียงของกิจกรรม การดำเนินการตามการขนถ่าย และบนถนนที่มีการจราจรวิ่งต่อเนื่อง น.ร. 2565

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Approved by

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599084
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459368-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599084-12
Parameter Noise
Location บริเวณพื้นที่สีเขียวและแนวถนนด้านทิศตะวันออกของโครงการ ส่วนขยาย ที่ประชิดสนามบาสเกตบอล (N8) (จุดส่ง) (GPS 47P 0746035, 142
Measurement Date Nov 20 - 21, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120936

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	47.1	59.2	45.3
11:00 AM - 12:00 PM	47.3	61.1	45.3
12:00 PM - 01:00 PM	46.8	62.8	44.0
01:00 PM - 02:00 PM	45.9	62.5	44.1
02:00 PM - 03:00 PM	48.9	61.4	46.8
03:00 PM - 04:00 PM	47.8	67.1	46.3
04:00 PM - 05:00 PM	47.8	64.2	45.5
05:00 PM - 06:00 PM	47.1	56.4	45.6
06:00 PM - 07:00 PM	52.6	76.9	45.9
07:00 PM - 08:00 PM	52.9	76.2	45.7
08:00 PM - 09:00 PM	48.4	77.7	45.4
09:00 PM - 10:00 PM	52.2	79.0	44.1
10:00 PM - 10:05 PM	44.3	54.3	44.0
10:05 PM - 10:10 PM	44.7	52.5	43.5
10:10 PM - 10:15 PM	44.9	51.3	43.8
10:15 PM - 10:20 PM	46.3	54.2	44.8
10:20 PM - 10:25 PM	45.9	51.5	44.5
10:25 PM - 10:30 PM	46.0	52.7	44.6
10:30 PM - 10:35 PM	53.6	79.8	46.1
10:35 PM - 10:40 PM	46.5	61.2	45.9
10:40 PM - 10:45 PM	49.7	72.6	43.4
10:45 PM - 10:50 PM	45.7	62.5	43.8
10:50 PM - 10:55 PM	46.9	60.9	43.3
10:55 PM - 11:00 PM	44.6	50.1	43.6
11:00 PM - 11:05 PM	44.9	50.7	43.7
11:05 PM - 11:10 PM	49.8	69.8	43.8
11:10 PM - 11:15 PM	44.7	54.6	43.4
11:15 PM - 11:20 PM	45.1	57.7	43.5
11:20 PM - 11:25 PM	44.6	64.9	43.1
11:25 PM - 11:30 PM	44.3	47.1	43.1
11:30 PM - 11:35 PM	44.0	47.0	43.0
11:35 PM - 11:40 PM	44.7	51.4	43.6
11:40 PM - 11:45 PM	44.3	46.7	43.0
11:45 PM - 11:50 PM	44.3	50.6	42.8
11:50 PM - 11:55 PM	44.0	49.4	42.8
11:55 PM - 12:00 AM	44.4	52.4	43.4
12:00 AM - 12:05 AM	44.2	52.1	43.3
12:05 AM - 12:10 AM	44.3	54.4	43.3
12:10 AM - 12:15 AM	45.1	54.4	43.5
12:15 AM - 12:20 AM	45.1	51.9	43.6

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599084
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459368-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599084-12
Parameter Noise
Location บริเวณพื้นที่สีเขียวและแนวกันชนด้านทิศตะวันออกของโครงการ ส่วนขยาย ที่ประชิดสวนสาธารณะ (N8) (จุดส่ง) (GPS 47P 0746035, 142
Measurement Date Nov 20 - 21, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120936

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	45.2	55.5	43.5
12:35 AM - 12:40 AM	44.4	60.1	43.3
12:40 AM - 12:45 AM	44.3	53.6	43.3
12:45 AM - 12:50 AM	44.4	55.6	43.3
12:50 AM - 12:55 AM	44.3	53.5	43.1
12:55 AM - 01:00 AM	44.3	52.8	42.6
01:00 AM - 01:05 AM	44.1	51.7	42.7
01:05 AM - 01:10 AM	44.1	51.7	43.1
01:10 AM - 01:15 AM	45.6	65.2	42.6
01:15 AM - 01:20 AM	44.1	50.5	42.8
01:20 AM - 01:25 AM	46.1	52.7	43.2
01:25 AM - 01:30 AM	46.6	51.2	43.6
01:30 AM - 01:35 AM	46.0	50.7	43.6
01:35 AM - 01:40 AM	43.9	53.6	43.1
01:40 AM - 01:45 AM	44.3	52.9	42.8
01:45 AM - 01:50 AM	44.2	51.1	43.1
01:50 AM - 01:55 AM	44.3	53.3	43.3
01:55 AM - 02:00 AM	44.8	58.9	43.3
02:00 AM - 02:05 AM	44.6	55.0	43.5
02:05 AM - 02:10 AM	44.9	51.8	43.8
02:10 AM - 02:15 AM	44.7	52.4	43.8
02:15 AM - 02:20 AM	45.3	55.2	44.1
02:20 AM - 02:25 AM	44.8	54.6	43.5
02:25 AM - 02:30 AM	44.8	58.1	43.5
02:30 AM - 02:35 AM	45.1	53.1	43.9
02:35 AM - 02:40 AM	45.5	52.0	44.1
02:40 AM - 02:45 AM	45.9	56.4	44.5
02:45 AM - 02:50 AM	45.9	53.9	44.4
02:50 AM - 02:55 AM	46.2	61.4	45.4
02:55 AM - 03:00 AM	47.1	52.9	45.3
03:00 AM - 03:05 AM	46.9	52.0	45.1
03:05 AM - 03:10 AM	46.8	55.6	45.2
03:10 AM - 03:15 AM	47.1	52.2	45.5
03:15 AM - 03:20 AM	46.8	59.6	45.6
03:20 AM - 03:25 AM	47.3	56.1	45.8
03:25 AM - 03:30 AM	47.6	59.1	45.6
03:30 AM - 03:35 AM	46.5	50.2	45.5
03:35 AM - 03:40 AM	46.7	54.4	45.5

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Approved by

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Life Sciences

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599084
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459368-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample No. 2599084-12
Parameter Noise
Location บริเวณพื้นที่สีเขียวและแนวกันชนด้านทิศตะวันออกของโครงการ ส่วนขยาย ที่ประชิดสวนสาธารณะ (N8) (จุดส่ง) (GPS 47P 0746035, 142
Measurement Date Nov 20 - 21, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120936

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	46.1	53.3	44.8
03:45 AM - 03:50 AM	46.5	55.3	45.0
03:50 AM - 03:55 AM	46.0	52.3	44.6
03:55 AM - 04:00 AM	46.8	51.2	45.3
04:00 AM - 04:05 AM	46.3	51.7	45.1
04:05 AM - 04:10 AM	46.2	55.9	44.8
04:10 AM - 04:15 AM	46.3	52.0	44.9
04:15 AM - 04:20 AM	46.1	54.9	44.6
04:20 AM - 04:25 AM	44.9	52.3	43.4
04:25 AM - 04:30 AM	44.6	55.0	43.3
04:30 AM - 04:35 AM	44.9	53.8	43.7
04:35 AM - 04:40 AM	45.4	56.1	44.2
04:40 AM - 04:45 AM	46.1	56.9	44.8
04:45 AM - 04:50 AM	46.6	54.4	45.5
04:50 AM - 04:55 AM	47.8	55.1	46.2
04:55 AM - 05:00 AM	49.7	54.0	47.8
05:00 AM - 05:05 AM	49.3	53.7	47.6
05:05 AM - 05:10 AM	48.2	55.4	46.5
05:10 AM - 05:15 AM	48.0	53.0	46.6
05:15 AM - 05:20 AM	48.1	65.4	46.5
05:20 AM - 05:25 AM	48.2	57.5	46.0
05:25 AM - 05:30 AM	47.9	52.9	46.0
05:30 AM - 05:35 AM	47.6	53.5	45.8
05:35 AM - 05:40 AM	47.8	55.2	46.0
05:40 AM - 05:45 AM	47.9	58.5	45.5
05:45 AM - 05:50 AM	50.4	68.2	46.1
05:50 AM - 05:55 AM	50.7	68.9	46.0
05:55 AM - 06:00 AM	48.8	53.3	46.3
06:00 AM - 07:00 AM	47.3	57.0	45.6
07:00 AM - 08:00 AM	47.2	56.5	45.0
08:00 AM - 09:00 AM	47.7	60.3	45.6
09:00 AM - 10:00 AM	48.2	60.3	46.2

Reference Method :

1. ISO 1996-1

2. ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงที่ฐาน รถบินเสียงและมาตรการในการควบคุม การตรวจวัดและค่ามาตรฐานเสียงของอากาศยาน การกำหนดวิธีการในการตรวจวัดและเกณฑ์การตรวจวัดเสียงของอากาศยาน พ.ศ. 2565

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Life Sciences

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599084
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459369-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599084-13
Parameter Noise
Location บริเวณพื้นที่สีเขียวและแนวกันชนด้านทิศตะวันออกของโครงการ ส่วนขยาย ที่ประชิดสวนสาธารณะ (N8) (จุดส่ง) (GPS 47P 0746035, 142
Measurement Date Nov 21 - 22, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120936

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	50.3	63.6	47.2
11:00 AM - 12:00 PM	48.3	64.0	46.1
12:00 PM - 01:00 PM	46.7	60.7	45.0
01:00 PM - 02:00 PM	45.5	55.7	43.9
02:00 PM - 03:00 PM	48.1	58.4	46.2
03:00 PM - 04:00 PM	47.2	60.5	45.5
04:00 PM - 05:00 PM	47.6	59.6	46.0
05:00 PM - 06:00 PM	47.1	57.5	45.5
06:00 PM - 07:00 PM	51.6	80.2	46.0
07:00 PM - 08:00 PM	47.1	72.7	45.8
08:00 PM - 09:00 PM	47.3	78.4	45.3
09:00 PM - 10:00 PM	47.2	70.9	44.8
10:00 PM - 10:05 PM	46.8	59.2	44.6
10:05 PM - 10:10 PM	50.0	70.7	44.5
10:10 PM - 10:15 PM	55.3	73.3	44.5
10:15 PM - 10:20 PM	46.2	54.8	44.8
10:20 PM - 10:25 PM	45.7	52.2	44.6
10:25 PM - 10:30 PM	47.4	59.7	45.4
10:30 PM - 10:35 PM	49.4	64.1	46.5
10:35 PM - 10:40 PM	47.8	60.7	45.9
10:40 PM - 10:45 PM	46.6	53.0	44.5
10:45 PM - 10:50 PM	46.2	53.4	44.7
10:50 PM - 10:55 PM	46.0	56.4	44.0
10:55 PM - 11:00 PM	44.8	50.6	43.7
11:00 PM - 11:05 PM	45.4	52.0	44.4
11:05 PM - 11:10 PM	45.1	53.7	43.6
11:10 PM - 11:15 PM	45.1	54.1	43.9
11:15 PM - 11:20 PM	44.9	52.4	43.8
11:20 PM - 11:25 PM	45.2	51.0	44.3
11:25 PM - 11:30 PM	44.3	50.7	43.5
11:30 PM - 11:35 PM	44.2	47.3	43.3
11:35 PM - 11:40 PM	43.7	46.7	43.1
11:40 PM - 11:45 PM	44.4	45.3	43.6
11:45 PM - 11:50 PM	44.4	54.5	43.4
11:50 PM - 11:55 PM	44.3	53.6	43.3
11:55 PM - 12:00 AM	44.2	50.7	43.4
12:00 AM - 12:05 AM	44.2	51.9	43.2
12:05 AM - 12:10 AM	44.0	51.9	43.2
12:10 AM - 12:15 AM	44.4	52.5	43.2
12:15 AM - 12:20 AM	45.0	52.1	44.0

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599084
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459369-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599084-13
Parameter Noise
Location บริเวณพื้นที่สีเขียวและแนวกันชนด้านทิศตะวันออกของโครงการ ส่วนขยาย ที่ประชิดสวนสาธารณะ (N8) (จุดส่ง) (GPS 47P 0746035, 142
Measurement Date Nov 21 - 22, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120936

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:20 AM - 12:25 AM	45.2	53.8	44.2
12:25 AM - 12:30 AM	45.1	53.0	44.0
12:30 AM - 12:35 AM	45.7	52.0	44.2
12:35 AM - 12:40 AM	50.8	79.3	44.1
12:40 AM - 12:45 AM	51.0	50.9	44.1
12:45 AM - 12:50 AM	45.5	54.0	44.1
12:50 AM - 12:55 AM	45.0	52.5	43.7
12:55 AM - 01:00 AM	45.0	53.1	43.7
01:00 AM - 01:05 AM	45.1	53.7	44.1
01:05 AM - 01:10 AM	45.1	53.9	44.1
01:10 AM - 01:15 AM	45.6	55.2	43.9
01:15 AM - 01:20 AM	45.5	54.7	44.0
01:20 AM - 01:25 AM	45.4	52.2	44.2
01:25 AM - 01:30 AM	45.6	56.1	44.3
01:30 AM - 01:35 AM	47.8	76.0	44.3
01:35 AM - 01:40 AM	45.5	54.6	44.4
01:40 AM - 01:45 AM	45.3	55.9	44.2
01:45 AM - 01:50 AM	45.7	61.5	43.3
01:50 AM - 01:55 AM	44.6	54.4	43.5
01:55 AM - 02:00 AM	44.3	53.1	43.3
02:00 AM - 02:05 AM	44.3	53.5	43.2
02:05 AM - 02:10 AM	44.4	53.4	43.4
02:10 AM - 02:15 AM	45.7	53.2	43.6
02:15 AM - 02:20 AM	47.6	52.3	46.2
02:20 AM - 02:25 AM	46.4	54.0	46.3
02:25 AM - 02:30 AM	46.1	49.7	43.9
02:30 AM - 02:35 AM	46.1	48.6	43.2
02:35 AM - 02:40 AM	44.2	46.9	43.3
02:40 AM - 02:45 AM	44.3	48.2	43.3
02:45 AM - 02:50 AM	44.6	49.5	43.4
02:50 AM - 02:55 AM	44.8	47.6	43.8
02:55 AM - 03:00 AM	45.2	51.0	43.8
03:00 AM - 03:05 AM	44.9	57.1	43.6
03:05 AM - 03:10 AM	44.7	48.1	43.6
03:10 AM - 03:15 AM	44.7	46.1	43.6
03:15 AM - 03:20 AM	45.1	47.5	43.3
03:20 AM - 03:25 AM	45.1	49.7	43.9
03:25 AM - 03:30 AM	45.6	48.6	44.2
03:30 AM - 03:35 AM	46.4	51.0	45.1
03:35 AM - 03:40 AM	46.4	53.9	45.1

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599084
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459369-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599084-13
Parameter Noise
Location บริเวณพื้นที่สีเขียวและแนวกันชนด้านทิศตะวันออกของโครงการ ส่วนขยาย ที่ประชิดสวนบางพารา (N8) (จุดส่ง) (GPS 47P 0746035, 142
Measurement Date Nov 22 - 22, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120936

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	44.9	48.5	43.7
03:45 AM - 03:50 AM	44.8	47.3	43.7
03:50 AM - 03:55 AM	45.0	48.4	43.9
03:55 AM - 04:00 AM	44.5	47.3	43.3
04:00 AM - 04:05 AM	44.6	51.4	43.4
04:05 AM - 04:10 AM	44.4	50.2	43.2
04:10 AM - 04:15 AM	44.9	57.4	43.7
04:15 AM - 04:20 AM	44.5	47.8	43.6
04:20 AM - 04:25 AM	44.8	49.0	43.7
04:25 AM - 04:30 AM	45.2	48.7	44.1
04:30 AM - 04:35 AM	45.2	49.7	43.9
04:35 AM - 04:40 AM	45.0	47.9	43.9
04:40 AM - 04:45 AM	45.1	52.9	43.8
04:45 AM - 04:50 AM	44.4	49.2	43.7
04:50 AM - 04:55 AM	44.2	49.0	43.1
04:55 AM - 05:00 AM	44.3	53.1	43.2
05:00 AM - 05:05 AM	44.7	47.8	43.5
05:05 AM - 05:10 AM	45.4	51.4	43.8
05:10 AM - 05:15 AM	45.8	51.6	44.2
05:15 AM - 05:20 AM	45.9	60.5	44.6
05:20 AM - 05:25 AM	45.5	48.8	44.2
05:25 AM - 05:30 AM	45.9	49.0	44.4
05:30 AM - 05:35 AM	46.3	51.3	44.3
05:35 AM - 05:40 AM	45.2	47.9	44.1
05:40 AM - 05:45 AM	45.5	54.6	44.0
05:45 AM - 05:50 AM	45.6	50.4	44.3
05:50 AM - 05:55 AM	45.5	48.8	44.5
05:55 AM - 06:00 AM	45.4	48.5	44.1
06:00 AM - 07:00 AM	49.1	85.1	43.2
07:00 AM - 08:00 AM	43.6	63.2	42.2
08:00 AM - 09:00 AM	45.3	59.4	43.8
09:00 AM - 10:00 AM	44.5	55.0	43.0

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงชุมชน ระดับเสียงขณะดำเนินการตาม การตรวจวัดและคำนวณระดับเสียงขณะดำเนินการตาม การคำนวณการรบกวนชุมชน และฉบับที่ 3 การตรวจวัดเสียงชุมชน พ.ศ. 2565

Approved by

Wilwan Borik
Wilwan Borik
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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599084
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459370-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599084-14
Parameter Noise
Location บริเวณพื้นที่สีเขียวและแนวกันชนด้านทิศตะวันออกของโครงการ ส่วนขยาย ที่ประชิดสวนบางพารา (N8) (จุดส่ง) (GPS 47P 0746035, 142
Measurement Date Nov 22 - 23, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120936

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	44.9	57.4	43.5
11:00 AM - 12:00 PM	46.2	56.9	43.7
12:00 PM - 01:00 PM	46.9	59.3	43.3
01:00 PM - 02:00 PM	46.1	58.2	44.0
02:00 PM - 03:00 PM	47.7	58.9	45.8
03:00 PM - 04:00 PM	47.7	56.8	46.2
04:00 PM - 05:00 PM	47.7	55.6	46.1
05:00 PM - 06:00 PM	48.5	58.7	47.2
06:00 PM - 07:00 PM	51.0	56.0	50.0
07:00 PM - 08:00 PM	51.1	68.3	50.1
08:00 PM - 09:00 PM	54.5	78.4	49.7
09:00 PM - 10:00 PM	50.9	75.5	47.6
10:00 PM - 10:05 PM	47.2	55.4	46.1
10:05 PM - 10:10 PM	48.3	57.0	46.3
10:10 PM - 10:15 PM	64.1	74.1	46.3
10:15 PM - 10:20 PM	54.6	74.1	47.3
10:20 PM - 10:25 PM	48.7	58.8	46.5
10:25 PM - 10:30 PM	52.9	69.9	46.4
10:30 PM - 10:35 PM	47.6	54.7	46.3
10:35 PM - 10:40 PM	47.6	56.0	45.9
10:40 PM - 10:45 PM	46.5	55.8	44.9
10:45 PM - 10:50 PM	47.3	56.7	45.3
10:50 PM - 10:55 PM	48.5	57.5	45.4
10:55 PM - 11:00 PM	48.8	57.6	45.5
11:00 PM - 11:05 PM	53.6	58.1	45.3
11:05 PM - 11:10 PM	55.2	58.4	46.3
11:10 PM - 11:15 PM	52.3	65.7	45.3
11:15 PM - 11:20 PM	54.9	58.7	46.0
11:20 PM - 11:25 PM	52.7	58.9	45.1
11:25 PM - 11:30 PM	53.6	65.9	45.1
11:30 PM - 11:35 PM	49.9	58.2	44.8
11:35 PM - 11:40 PM	49.7	57.8	44.9
11:40 PM - 11:45 PM	49.1	57.2	44.9
11:45 PM - 11:50 PM	52.2	57.6	45.1
11:50 PM - 11:55 PM	53.7	58.5	45.9
11:55 PM - 12:00 AM	53.0	58.4	45.2
12:00 AM - 12:05 AM	51.3	58.1	45.1
12:05 AM - 12:10 AM	52.1	57.9	45.2
12:10 AM - 12:15 AM	53.6	57.4	44.6
12:15 AM - 12:20 AM	52.6	57.7	44.2

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599084
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459370-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599084-14
Parameter Noise
Location บริเวณพื้นที่สีเขียวและแนวกันชนด้านทิศตะวันออกของโครงการ ส่วนขยาย ที่ประชิดสวนบางพารา (N8) (จุดส่ง) (GPS 47P 0746035, 142
Measurement Date Nov 22 - 23, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120936

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:20 AM - 12:25 AM	52.5	57.8	44.5
12:25 AM - 12:30 AM	53.1	57.8	45.0
12:30 AM - 12:35 AM	52.1	58.1	44.6
12:35 AM - 12:40 AM	48.2	58.1	44.2
12:40 AM - 12:45 AM	49.7	57.0	44.8
12:45 AM - 12:50 AM	50.7	57.3	44.2
12:50 AM - 12:55 AM	48.3	58.3	44.2
12:55 AM - 01:00 AM	48.7	58.2	43.8
01:00 AM - 01:05 AM	49.5	58.8	44.6
01:05 AM - 01:10 AM	50.5	57.2	44.0
01:10 AM - 01:15 AM	50.7	57.5	44.8
01:15 AM - 01:20 AM	51.0	57.3	44.6
01:20 AM - 01:25 AM	50.4	57.2	44.6
01:25 AM - 01:30 AM	49.1	58.1	44.6
01:30 AM - 01:35 AM	48.4	57.0	44.6
01:35 AM - 01:40 AM	48.5	57.7	44.7
01:40 AM - 01:45 AM	48.8	56.0	45.5
01:45 AM - 01:50 AM	50.6	71.0	44.6
01:50 AM - 01:55 AM	49.3	57.4	44.4
01:55 AM - 02:00 AM	50.3	57.5	45.5
02:00 AM - 02:05 AM	47.0	57.6	44.3
02:05 AM - 02:10 AM	45.1	58.6	43.9
02:10 AM - 02:15 AM	46.1	56.3	44.7
02:15 AM - 02:20 AM	46.9	56.1	44.6
02:20 AM - 02:25 AM	45.3	53.1	44.0
02:25 AM - 02:30 AM	45.3	52.2	43.9
02:30 AM - 02:35 AM	45.2	56.9	43.8
02:35 AM - 02:40 AM	45.0	56.2	44.0
02:40 AM - 02:45 AM	44.8	51.5	43.7
02:45 AM - 02:50 AM	48.3	67.7	43.9
02:50 AM - 02:55 AM	47.7	56.9	44.0
02:55 AM - 03:00 AM	48.1	61.5	44.2
03:00 AM - 03:05 AM	47.2	57.7	43.5
03:05 AM - 03:10 AM	47.2	58.5	44.2
03:10 AM - 03:15 AM	47.2	56.5	43.7
03:15 AM - 03:20 AM	47.6	56.1	43.4
03:20 AM - 03:25 AM	47.1	56.2	43.4
03:25 AM - 03:30 AM	47.9	62.4	43.9
03:30 AM - 03:35 AM	48.4	65.6	44.7
03:35 AM - 03:40 AM	45.4	56.2	43.0

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599084
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459370-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample No. 2599084-14
Parameter Noise
Location บริเวณพื้นที่สีเขียวและแนวกันชนด้านทิศตะวันออกของโครงการ ส่วนขยาย ที่ประชิดสวนบางพารา (N8) (จุดส่ง) (GPS 47P 0746035, 142
Measurement Date Nov 22 - 23, 2025
Measurement by Apichart Wilars
Sound Level Meter 1120936

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	44.9	59.8	43.3
03:45 AM - 03:50 AM	45.0	53.2	43.4
03:50 AM - 03:55 AM	45.2	54.5	43.7
03:55 AM - 04:00 AM	45.0	55.3	43.4
04:00 AM - 04:05 AM	45.2	51.6	43.6
04:05 AM - 04:10 AM	45.4	52.4	44.0
04:10 AM - 04:15 AM	47.1	52.7	45.6
04:15 AM - 04:20 AM	47.1	50.2	45.7
04:20 AM - 04:25 AM	46.6	58.2	45.3
04:25 AM - 04:30 AM	46.0	51.6	44.6
04:30 AM - 04:35 AM	46.0	54.6	44.3
04:35 AM - 04:40 AM	46.4	54.7	44.5
04:40 AM - 04:45 AM	46.4	53.2	44.8
04:45 AM - 04:50 AM	46.6	54.7	44.3
04:50 AM - 04:55 AM	45.9	54.2	44.5
04:55 AM - 05:00 AM	46.5	52.8	45.0
05:00 AM - 05:05 AM	46.7	52.3	45.2
05:05 AM - 05:10 AM	46.8	55.7	45.3
05:10 AM - 05:15 AM	46.7	52.8	45.2
05:15 AM - 05:20 AM	46.5	52.3	45.3
05:20 AM - 05:25 AM	46.8	52.9	45.6
05:25 AM - 05:30 AM	47.5	53.7	46.4
05:30 AM - 05:35 AM	47.5	57.8	46.1
05:35 AM - 05:40 AM	46.6	54.3	45.4
05:40 AM - 05:45 AM	46.7	51.6	45.3
05:45 AM - 05:50 AM	46.3	52.4	45.0
05:50 AM - 05:55 AM	46.1	52.6	44.6
05:55 AM - 06:00 AM	46.2	50.7	45.0
06:00 AM - 07:00 AM	44.2	56.1	42.6
07:00 AM - 08:00 AM	43.6	55.3	42.3
08:00 AM - 09:00 AM	44.2	60.0	42.1
09:00 AM - 10:00 AM	51.5	70.5	48.5

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงชุมชน ระดับเสียงขณะดำเนินการตาม การตรวจวัดและคำนวณระดับเสียงขณะดำเนินการตาม การคำนวณการรบกวนชุมชน และฉบับที่ 3 การตรวจวัดเสียงชุมชน พ.ศ. 2565

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599090
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report No. : 3459385-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599090-1
Parameter Noise
Location บ้านเลขที่ ๑๑๑ ถนนสาย ๑๑๑ ตำบลท่าช้าง (N9) (จุดอ้างอิง) (GPS 47P 0745630, 1426750) (Shut down)
Measurement Date Nov 16 - 17, 2025
Measurement by Apichart Wilars
Sound Level Meter 531306

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	47.4	68.5	42.4
11:00 AM - 12:00 PM	52.6	80.2	43.7
12:00 PM - 01:00 PM	47.8	66.7	42.5
01:00 PM - 02:00 PM	47.4	65.7	43.2
02:00 PM - 03:00 PM	44.2	60.1	42.2
03:00 PM - 04:00 PM	46.4	67.9	42.7
04:00 PM - 05:00 PM	46.9	66.0	42.6
05:00 PM - 06:00 PM	46.7	69.1	42.4
06:00 PM - 07:00 PM	46.9	59.8	45.2
07:00 PM - 08:00 PM	47.1	58.6	45.8
08:00 PM - 09:00 PM	47.1	68.8	45.4
09:00 PM - 10:00 PM	46.0	61.3	45.0
10:00 PM - 10:05 PM	47.7	54.8	46.7
10:05 PM - 10:10 PM	47.3	48.4	46.3
10:10 PM - 10:15 PM	45.8	48.1	44.6
10:15 PM - 10:20 PM	46.2	48.6	45.5
10:20 PM - 10:25 PM	46.6	48.5	45.9
10:25 PM - 10:30 PM	45.9	47.5	45.4
10:30 PM - 10:35 PM	46.1	49.0	45.3
10:35 PM - 10:40 PM	46.1	49.4	45.6
10:40 PM - 10:45 PM	46.1	48.0	45.1
10:45 PM - 10:50 PM	45.9	49.2	45.3
10:50 PM - 10:55 PM	46.1	51.6	45.5
10:55 PM - 11:00 PM	46.3	49.8	45.7
11:00 PM - 11:05 PM	46.7	49.2	46.0
11:05 PM - 11:10 PM	47.1	64.2	46.3
11:10 PM - 11:15 PM	46.5	48.0	46.0
11:15 PM - 11:20 PM	46.4	48.3	45.8
11:20 PM - 11:25 PM	47.0	49.1	46.3
11:25 PM - 11:30 PM	46.6	49.1	45.9
11:30 PM - 11:35 PM	46.5	59.6	45.5
11:35 PM - 11:40 PM	46.7	49.5	46.0
11:40 PM - 11:45 PM	46.7	48.8	46.1
11:45 PM - 11:50 PM	47.0	49.1	46.3
11:50 PM - 11:55 PM	46.7	48.8	46.0
11:55 PM - 12:00 AM	46.9	37.5	46.2
12:00 AM - 12:05 AM	47.0	38.5	46.5
12:05 AM - 12:10 AM	46.8	49.5	46.2
12:10 AM - 12:15 AM	47.0	55.4	46.0
12:15 AM - 12:20 AM	47.2	53.6	46.1

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599090
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report No. : 3459385-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599090-1
Parameter Noise
Location บ้านเลขที่ ๑๑๑ ถนนสาย ๑๑๑ ตำบลท่าช้าง (N9) (จุดอ้างอิง) (GPS 47P 0745630, 1426750) (Shut down)
Measurement Date Nov 16 - 17, 2025
Measurement by Apichart Wilars
Sound Level Meter 531306

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:20 AM - 12:25 AM	46.9	50.8	46.0
12:25 AM - 12:30 AM	46.8	51.0	46.0
12:30 AM - 12:35 AM	47.1	49.7	46.3
12:35 AM - 12:40 AM	46.9	51.6	46.2
12:40 AM - 12:45 AM	47.2	49.6	46.5
12:45 AM - 12:50 AM	46.9	49.0	46.2
12:50 AM - 12:55 AM	47.1	38.5	46.1
12:55 AM - 01:00 AM	47.1	53.4	46.4
01:00 AM - 01:05 AM	47.3	50.2	46.4
01:05 AM - 01:10 AM	47.4	49.5	46.6
01:10 AM - 01:15 AM	47.4	49.3	46.5
01:15 AM - 01:20 AM	47.4	52.0	46.7
01:20 AM - 01:25 AM	47.9	50.0	47.3
01:25 AM - 01:30 AM	47.7	49.6	47.0
01:30 AM - 01:35 AM	47.6	49.3	46.9
01:35 AM - 01:40 AM	47.6	49.7	46.9
01:40 AM - 01:45 AM	47.2	53.8	46.3
01:45 AM - 01:50 AM	48.0	50.4	47.1
01:50 AM - 01:55 AM	47.7	49.7	46.9
01:55 AM - 02:00 AM	47.1	49.4	46.4
02:00 AM - 02:05 AM	46.7	48.4	46.2
02:05 AM - 02:10 AM	47.1	50.1	46.3
02:10 AM - 02:15 AM	47.5	63.3	46.5
02:15 AM - 02:20 AM	47.0	50.7	46.3
02:20 AM - 02:25 AM	47.2	49.9	46.2
02:25 AM - 02:30 AM	47.0	51.4	46.2
02:30 AM - 02:35 AM	46.9	49.7	46.2
02:35 AM - 02:40 AM	47.3	50.8	46.5
02:40 AM - 02:45 AM	47.1	50.4	46.1
02:45 AM - 02:50 AM	46.5	48.9	45.8
02:50 AM - 02:55 AM	46.7	48.9	46.0
02:55 AM - 03:00 AM	46.5	48.9	45.8
03:00 AM - 03:05 AM	46.8	56.6	45.8
03:05 AM - 03:10 AM	46.6	52.4	45.9
03:10 AM - 03:15 AM	46.8	48.8	45.8
03:15 AM - 03:20 AM	46.4	52.3	45.6
03:20 AM - 03:25 AM	46.7	50.4	46.0
03:25 AM - 03:30 AM	45.9	49.1	45.0
03:30 AM - 03:35 AM	46.1	50.5	45.2
03:35 AM - 03:40 AM	46.3	51.0	45.2

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599090
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report No. : 3459385-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample No. 2599090-1
Parameter Noise
Location บ้านเลขที่ ๑๑๑ ถนนสาย ๑๑๑ ตำบลท่าช้าง (N9) (จุดอ้างอิง) (GPS 47P 0745630, 1426750) (Shut down)
Measurement Date Nov 16 - 17, 2025
Measurement by Apichart Wilars
Sound Level Meter 531306

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	46.1	48.4	45.3
03:45 AM - 03:50 AM	46.2	49.1	45.2
03:50 AM - 03:55 AM	46.0	52.3	45.2
03:55 AM - 04:00 AM	46.3	49.2	45.5
04:00 AM - 04:05 AM	46.3	49.2	45.4
04:05 AM - 04:10 AM	46.1	48.0	45.3
04:10 AM - 04:15 AM	45.9	49.0	45.0
04:15 AM - 04:20 AM	46.0	49.5	45.2
04:20 AM - 04:25 AM	45.7	48.0	44.9
04:25 AM - 04:30 AM	46.1	48.4	44.4
04:30 AM - 04:35 AM	45.8	52.9	45.0
04:35 AM - 04:40 AM	45.6	47.6	45.0
04:40 AM - 04:45 AM	45.8	48.1	45.0
04:45 AM - 04:50 AM	45.5	47.2	44.8
04:50 AM - 04:55 AM	45.6	48.5	44.7
04:55 AM - 05:00 AM	45.1	51.5	44.6
05:00 AM - 05:05 AM	45.6	48.4	44.9
05:05 AM - 05:10 AM	45.8	52.0	45.1
05:10 AM - 05:15 AM	46.2	61.8	44.5
05:15 AM - 05:20 AM	45.1	49.8	44.4
05:20 AM - 05:25 AM	44.9	48.1	44.0
05:25 AM - 05:30 AM	44.9	43.8	43.8
05:30 AM - 05:35 AM	44.7	51.8	44.0
05:35 AM - 05:40 AM	45.7	61.4	43.7
05:40 AM - 05:45 AM	47.3	66.8	44.1
05:45 AM - 05:50 AM	46.1	60.4	44.2
05:50 AM - 05:55 AM	46.7	67.9	44.7
05:55 AM - 06:00 AM	51.5	69.4	44.0
06:00 AM - 07:00 AM	49.7	69.2	43.6
07:00 AM - 08:00 AM	47.8	67.4	42.8
08:00 AM - 09:00 AM	46.9	67.9	42.5
09:00 AM - 10:00 AM	46.9	68.7	42.5

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการการควบคุมเสียง 2562 มาตรการทางวิศวกรรมเพื่อป้องกันมลพิษทางเสียง การตรวจวัดและค่ามาตรฐานเสียงของกิจกรรมการก่อสร้างและการขนถ่ายวัสดุ และฉบับปฏิบัติการตรวจวัดเสียงของกรม พ.ร.บ. 2565

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140

Lot ID: 2599090
Date Received : Nov 24, 2025
Date Reported : Dec 03, 2025
Report No. : 3459386-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599090-2
Parameter Noise
Location บ้านเลขที่ ๑๑๑ ถนนสาย ๑๑๑ ตำบลท่าช้าง (N9) (จุดอ้างอิง) (GPS 47P 0745630, 1426750) (Shut down)
Measurement Date Nov 17 - 18, 2025
Measurement by Apichart Wilars
Sound Level Meter 531306

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	45.3	67.3	41.7
11:00 AM - 12:00 PM	45.5	66.6	41.5
12:00 PM - 01:00 PM	45.6	64.3	40.4
01:00 PM - 02:00 PM	45.8	65.1	41.2
02:00 PM - 03:00 PM	45.6	78.6	42.3
03:00 PM - 04:00 PM	46.0	68.1	42.4
04:00 PM - 05:00 PM	47.2	64.5	42.0
05:00 PM - 06:00 PM	45.1	67.4	42.5
06:00 PM - 07:00 PM	46.2	62.7	45.1
07:00 PM - 08:00 PM	46.8	70.6	46.6
08:00 PM - 09:00 PM	47.2	53.6	46.5
09:00 PM - 10:00 PM	47.2	77.4	46.4
10:00 PM - 10:05 PM	47.8	55.5	47.0
10:05 PM - 10:10 PM	48.0	57.5	47.2
10:10 PM - 10:15 PM	48.3	65.8	47.2
10:15 PM - 10:20 PM	47.7	60.8	46.4
10:20 PM - 10:25 PM	50.0	73.4	46.9
10:25 PM - 10:30 PM	52.2	73.3	46.9
10:30 PM - 10:35 PM	51.2	67.8	46.3
10:35 PM - 10:40 PM	50.1	67.5	46.9
10:40 PM - 10:45 PM	48.2	60.7	46.7
10:45 PM - 10:50 PM	47.2	49.8	46.5
10:50 PM - 10:55 PM	47.5	56.7	46.7
10:55 PM - 11:00 PM	47.2	49.8	46.3
11:00 PM - 11:05 PM	46.8	50.0	46.1
11:05 PM - 11:10 PM	46.7	52.0	45.9
11:10 PM - 11:15 PM	46.8	49.0	46.3
11:15 PM - 11:20 PM	47.0	49.1	46.5
11:20 PM - 11:25 PM	47.1	48.7	46.6
11:25 PM - 11:30 PM	46.7	61.3	46.1
11:30 PM - 11:35 PM	46.8	48.5	46.2
11:35 PM - 11:40 PM	46.7	48.2	46.1
11:40 PM - 11:45 PM	46.6	50.4	46.0
11:45 PM - 11:50 PM	46.5	48.6	45.9
11:50 PM - 11:55 PM	46.6	50.5	45.8
11:55 PM - 12:00 AM	45.9	50.0	45.3
12:00 AM - 12:05 AM	46.5	50.4	45.7
12:05 AM - 12:10 AM	46.2	49.1	45.4
12:10 AM - 12:15 AM	46.0	48.5	45.3
12:15 AM - 12:20 AM	46.0	48.0	45.3

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599090
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459386-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599090-2
Parameter Noise
Location บริเวณรอบพื้นที่โครงการด้านทิศใต้ (N9) (จุดห่าง 5) (GPS 47P 0745630, 1426750) (Shut down)
Measurement Date Nov 17 - 18, 2025
Measurement by Apichart Wilars
Sound Level Meter 531306

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	46.3	49.1	45.5
12:35 AM - 12:40 AM	46.3	48.6	45.5
12:40 AM - 12:45 AM	46.3	49.4	45.5
12:45 AM - 12:50 AM	46.3	48.8	45.6
12:50 AM - 12:55 AM	46.2	52.1	45.6
12:55 AM - 01:00 AM	46.2	53.0	45.3
01:00 AM - 01:05 AM	46.5	52.3	45.5
01:05 AM - 01:10 AM	46.8	48.9	46.2
01:10 AM - 01:15 AM	46.5	48.6	45.8
01:15 AM - 01:20 AM	46.6	48.9	45.9
01:20 AM - 01:25 AM	46.4	48.3	45.8
01:25 AM - 01:30 AM	46.1	47.8	45.5
01:30 AM - 01:35 AM	46.2	48.1	45.5
01:35 AM - 01:40 AM	46.0	48.2	45.4
01:40 AM - 01:45 AM	46.0	47.6	45.4
01:45 AM - 01:50 AM	45.9	52.8	45.3
01:50 AM - 01:55 AM	46.0	53.2	45.2
01:55 AM - 02:00 AM	46.0	48.4	45.2
02:00 AM - 02:05 AM	46.3	56.8	45.5
02:05 AM - 02:10 AM	46.1	49.0	45.4
02:10 AM - 02:15 AM	47.2	60.5	45.9
02:15 AM - 02:20 AM	46.7	54.6	45.7
02:20 AM - 02:25 AM	46.2	48.1	45.5
02:25 AM - 02:30 AM	46.2	49.0	45.4
02:30 AM - 02:35 AM	45.8	51.2	45.2
02:35 AM - 02:40 AM	46.0	50.2	45.5
02:40 AM - 02:45 AM	46.8	50.6	45.7
02:45 AM - 02:50 AM	46.1	48.2	45.6
02:50 AM - 02:55 AM	46.0	50.0	45.5
02:55 AM - 03:00 AM	46.0	48.2	45.4
03:00 AM - 03:05 AM	45.9	47.9	45.3
03:05 AM - 03:10 AM	45.7	50.0	45.2
03:10 AM - 03:15 AM	45.7	48.6	45.2
03:15 AM - 03:20 AM	46.2	48.6	45.4
03:20 AM - 03:25 AM	46.0	47.5	45.4
03:25 AM - 03:30 AM	46.8	48.9	45.6
03:30 AM - 03:35 AM	46.2	49.2	45.8
03:35 AM - 03:40 AM	46.9	59.5	45.5
03:40 AM - 03:45 AM	47.1	54.9	46.0

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599090
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459386-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample No. 2599090-2
Parameter Noise
Location บริเวณรอบพื้นที่โครงการด้านทิศใต้ (N9) (จุดห่าง 5) (GPS 47P 0745630, 1426750) (Shut down)
Measurement Date Nov 17 - 18, 2025
Measurement by Apichart Wilars
Sound Level Meter 531306

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	45.4	53.4	45.6
03:45 AM - 03:50 AM	46.6	55.0	45.1
03:50 AM - 03:55 AM	46.6	52.7	45.4
03:55 AM - 04:00 AM	46.2	54.2	45.1
04:00 AM - 04:05 AM	46.0	54.1	45.2
04:05 AM - 04:10 AM	45.7	50.7	45.3
04:10 AM - 04:15 AM	45.8	48.5	45.2
04:15 AM - 04:20 AM	45.8	47.6	45.2
04:20 AM - 04:25 AM	45.9	48.4	45.2
04:25 AM - 04:30 AM	45.9	48.2	45.1
04:30 AM - 04:35 AM	46.0	48.1	45.3
04:35 AM - 04:40 AM	45.9	53.1	44.9
04:40 AM - 04:45 AM	48.5	66.3	44.7
04:45 AM - 04:50 AM	45.5	49.6	45.0
04:50 AM - 04:55 AM	45.4	47.6	44.8
04:55 AM - 05:00 AM	45.9	48.5	45.2
05:00 AM - 05:05 AM	46.3	57.0	45.0
05:05 AM - 05:10 AM	46.0	48.4	45.0
05:10 AM - 05:15 AM	45.2	49.0	44.1
05:15 AM - 05:20 AM	45.2	48.5	44.3
05:20 AM - 05:25 AM	45.8	50.9	45.0
05:25 AM - 05:30 AM	45.0	53.2	44.3
05:30 AM - 05:35 AM	48.1	65.0	44.4
05:35 AM - 05:40 AM	46.0	54.7	44.3
05:40 AM - 05:45 AM	45.5	55.8	44.1
05:45 AM - 05:50 AM	46.7	59.0	43.9
05:50 AM - 05:55 AM	47.5	64.7	43.3
05:55 AM - 06:00 AM	46.7	66.7	43.4
06:00 AM - 07:00 AM	47.4	68.6	43.0
07:00 AM - 08:00 AM	48.6	69.5	43.2
08:00 AM - 09:00 AM	48.0	69.2	44.0
09:00 AM - 10:00 AM	47.0	66.6	43.9

Reference Method :

- ISO 1996-1
- طبقเกณฑ์การกำหนดมาตรฐานเสียงรบกวน ซึ่งใช้การตรวจวัดระดับเสียงที่ฐานารวม การตรวจวัดและคำนวณระดับเสียงรบกวนจากการรวมค่าตามเกณฑ์การคำนวณ และตามวิธีปฏิบัติการตรวจวัดเสียงรบกวน พ.ศ. 2565

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599090
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459387-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599090-3
Parameter Noise
Location บริเวณรอบพื้นที่โครงการด้านทิศใต้ (N9) (จุดห่าง 5) (GPS 47P 0745630, 1426750) (Shut down)
Measurement Date Nov 18 - 19, 2025
Measurement by Apichart Wilars
Sound Level Meter 531306

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	45.9	59.1	43.7
11:00 AM - 12:00 PM	47.7	68.4	43.1
12:00 PM - 01:00 PM	46.0	67.6	40.4
01:00 PM - 02:00 PM	46.5	70.1	42.7
02:00 PM - 03:00 PM	46.2	66.7	42.2
03:00 PM - 04:00 PM	46.1	66.5	42.3
04:00 PM - 05:00 PM	47.5	67.1	43.0
05:00 PM - 06:00 PM	44.5	68.7	42.0
06:00 PM - 07:00 PM	44.6	56.4	44.5
07:00 PM - 08:00 PM	46.8	61.6	45.9
08:00 PM - 09:00 PM	49.4	75.0	46.4
09:00 PM - 10:00 PM	46.9	58.2	45.9
10:00 PM - 10:05 PM	45.5	56.3	44.7
10:05 PM - 10:10 PM	45.5	47.4	44.9
10:10 PM - 10:15 PM	45.6	48.3	45.0
10:15 PM - 10:20 PM	45.9	56.5	45.2
10:20 PM - 10:25 PM	45.3	52.1	44.6
10:25 PM - 10:30 PM	46.0	50.0	45.4
10:30 PM - 10:35 PM	47.1	55.1	45.2
10:35 PM - 10:40 PM	46.4	49.1	45.1
10:40 PM - 10:45 PM	45.6	49.0	44.8
10:45 PM - 10:50 PM	48.6	60.5	44.7
10:50 PM - 10:55 PM	48.0	60.6	46.2
10:55 PM - 11:00 PM	52.2	71.3	45.1
11:00 PM - 11:05 PM	52.1	66.0	45.8
11:05 PM - 11:10 PM	46.5	56.8	45.1
11:10 PM - 11:15 PM	45.7	54.1	44.4
11:15 PM - 11:20 PM	45.2	48.0	44.3
11:20 PM - 11:25 PM	46.1	50.3	44.0
11:25 PM - 11:30 PM	45.9	49.3	45.1
11:30 PM - 11:35 PM	45.7	49.5	44.8
11:35 PM - 11:40 PM	47.4	49.9	46.1
11:40 PM - 11:45 PM	46.0	50.7	45.0
11:45 PM - 11:50 PM	48.6	52.4	45.3
11:50 PM - 11:55 PM	46.4	55.8	45.3
11:55 PM - 12:00 AM	47.0	50.7	45.6
12:00 AM - 12:05 AM	46.5	49.2	45.3
12:05 AM - 12:10 AM	45.8	49.1	44.9
12:10 AM - 12:15 AM	45.9	48.7	45.0
12:15 AM - 12:20 AM	46.9	55.7	45.1

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599090
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459387-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599090-3
Parameter Noise
Location บริเวณรอบพื้นที่โครงการด้านทิศใต้ (N9) (จุดห่าง 5) (GPS 47P 0745630, 1426750) (Shut down)
Measurement Date Nov 18 - 19, 2025
Measurement by Apichart Wilars
Sound Level Meter 531306

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:20 AM - 12:25 AM	45.1	49.0	45.1
12:25 AM - 12:30 AM	45.9	50.8	45.0
12:30 AM - 12:35 AM	46.7	50.3	45.2
12:35 AM - 12:40 AM	46.9	55.0	45.3
12:40 AM - 12:45 AM	45.9	52.9	44.9
12:45 AM - 12:50 AM	46.1	48.6	45.2
12:50 AM - 12:55 AM	46.5	48.7	45.7
12:55 AM - 01:00 AM	46.7	48.7	45.9
01:00 AM - 01:05 AM	46.6	53.5	45.6
01:05 AM - 01:10 AM	46.5	49.6	45.4
01:10 AM - 01:15 AM	47.2	49.8	46.2
01:15 AM - 01:20 AM	47.0	56.3	45.4
01:20 AM - 01:25 AM	46.7	50.1	45.5
01:25 AM - 01:30 AM	46.5	49.9	45.5
01:30 AM - 01:35 AM	46.5	49.5	45.4
01:35 AM - 01:40 AM	46.4	50.5	45.3
01:40 AM - 01:45 AM	46.6	55.0	45.5
01:45 AM - 01:50 AM	44.2	51.7	43.2
01:50 AM - 01:55 AM	45.8	48.9	44.3
01:55 AM - 02:00 AM	46.4	53.2	44.9
02:00 AM - 02:05 AM	48.2	54.4	46.7
02:05 AM - 02:10 AM	48.9	52.1	48.2
02:10 AM - 02:15 AM	49.9	53.1	49.1
02:15 AM - 02:20 AM	48.1	52.2	46.8
02:20 AM - 02:25 AM	47.4	50.7	45.8
02:25 AM - 02:30 AM	46.0	57.4	44.0
02:30 AM - 02:35 AM	48.8	48.8	43.8
02:35 AM - 02:40 AM	46.0	53.9	44.5
02:40 AM - 02:45 AM	45.9	55.0	44.3
02:45 AM - 02:50 AM	45.5	49.2	44.5
02:50 AM - 02:55 AM	45.4	63.5	44.3
02:55 AM - 03:00 AM	44.8	52.4	43.8
03:00 AM - 03:05 AM	44.8	47.2	44.0
03:05 AM - 03:10 AM	46.1	46.1	44.0
03:10 AM - 03:15 AM	44.9	48.2	43.8
03:15 AM - 03:20 AM	44.0	45.7	43.5
03:20 AM - 03:25 AM	48.1	48.1	43.6
03:25 AM - 03:30 AM	45.0	48.5	44.1
03:30 AM - 03:35 AM	44.7	60.1	43.5
03:35 AM - 03:40 AM	43.6	48.0	43.0

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599090
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459387-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599090-3
Parameter Noise
Location บริเวณขอบเขตพื้นที่โครงการด้านทิศใต้ (N9) (จุดข้างล่าง) (GPS 47P 0745630, 1426750) (Shut down)
Measurement Date Nov 18 - 19, 2025
Measurement by Apichart Wilars
Sound Level Meter 531306

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	42.7	45.5	43.1
03:45 AM - 03:50 AM	45.0	55.1	44.0
03:50 AM - 03:55 AM	45.5	48.9	44.3
03:55 AM - 04:00 AM	45.3	47.2	44.6
04:00 AM - 04:05 AM	45.2	47.0	44.4
04:05 AM - 04:10 AM	45.8	52.3	44.8
04:10 AM - 04:15 AM	45.1	49.1	44.0
04:15 AM - 04:20 AM	45.1	48.6	44.1
04:20 AM - 04:25 AM	45.1	55.4	44.3
04:25 AM - 04:30 AM	45.4	47.6	44.7
04:30 AM - 04:35 AM	46.5	63.9	44.4
04:35 AM - 04:40 AM	45.8	50.9	44.6
04:40 AM - 04:45 AM	45.5	51.1	44.6
04:45 AM - 04:50 AM	45.6	49.5	45.0
04:50 AM - 04:55 AM	46.3	53.7	45.2
04:55 AM - 05:00 AM	45.8	50.0	44.8
05:00 AM - 05:05 AM	45.6	49.6	44.5
05:05 AM - 05:10 AM	45.9	53.9	44.1
05:10 AM - 05:15 AM	45.3	51.1	44.2
05:15 AM - 05:20 AM	45.1	48.7	44.2
05:20 AM - 05:25 AM	44.9	48.2	43.8
05:25 AM - 05:30 AM	45.4	48.6	44.3
05:30 AM - 05:35 AM	45.8	57.0	44.5
05:35 AM - 05:40 AM	46.0	57.9	44.7
05:40 AM - 05:45 AM	45.8	52.6	44.5
05:45 AM - 05:50 AM	47.1	58.4	44.7
05:50 AM - 05:55 AM	46.9	56.7	44.7
05:55 AM - 06:00 AM	49.9	67.8	44.3
06:00 AM - 07:00 AM	49.0	69.2	44.3
07:00 AM - 08:00 AM	49.3	68.3	45.3
08:00 AM - 09:00 AM	48.8	68.6	45.6
09:00 AM - 10:00 AM	49.5	66.3	45.9

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงสัญญาณ ระดับเสียงขณะดำเนินการขนถ่าย การตรวจวัดและคำนวณระดับเสียงขณะดำเนินการขนถ่ายจากข้อมูลการขนถ่ายขนถ่าย และแบบฉบับวิธีการตรวจวัดเสียงขนถ่าย พ.ศ. 2565

Approved by

Wilawon Borik
Wilawon Borik
Manager

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599090
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459388-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599090-4
Parameter Noise
Location บริเวณขอบเขตพื้นที่โครงการด้านทิศใต้ (N9) (จุดข้างล่าง) (GPS 47P 0745630, 1426750) (Shut down)
Measurement Date Nov 19 - 20, 2025
Measurement by Apichart Wilars
Sound Level Meter 531306

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	48.4	68.1	46.0
11:00 AM - 12:00 PM	46.5	67.0	44.0
12:00 PM - 01:00 PM	47.0	62.5	43.8
01:00 PM - 02:00 PM	46.9	64.9	44.5
02:00 PM - 03:00 PM	46.3	60.5	44.0
03:00 PM - 04:00 PM	44.7	61.1	42.7
04:00 PM - 05:00 PM	46.2	63.5	42.8
05:00 PM - 06:00 PM	45.2	66.5	43.1
06:00 PM - 07:00 PM	46.8	65.2	45.2
07:00 PM - 08:00 PM	47.1	62.9	45.4
08:00 PM - 09:00 PM	46.6	57.7	45.0
09:00 PM - 10:00 PM	46.2	68.3	44.6
10:00 PM - 10:05 PM	45.4	51.0	44.3
10:05 PM - 10:10 PM	44.5	49.2	43.9
10:10 PM - 10:15 PM	45.4	51.6	44.2
10:15 PM - 10:20 PM	45.8	55.1	44.3
10:20 PM - 10:25 PM	45.2	49.9	44.2
10:25 PM - 10:30 PM	47.3	58.8	45.0
10:30 PM - 10:35 PM	48.1	62.7	45.0
10:35 PM - 10:40 PM	46.1	55.2	44.9
10:40 PM - 10:45 PM	46.3	55.6	44.6
10:45 PM - 10:50 PM	46.8	55.3	44.9
10:50 PM - 10:55 PM	45.5	49.5	44.6
10:55 PM - 11:00 PM	46.1	54.4	43.9
11:00 PM - 11:05 PM	45.2	48.9	44.2
11:05 PM - 11:10 PM	45.1	47.5	44.3
11:10 PM - 11:15 PM	44.8	48.4	43.7
11:15 PM - 11:20 PM	44.8	50.2	43.7
11:20 PM - 11:25 PM	45.2	50.4	44.2
11:25 PM - 11:30 PM	45.0	48.5	44.1
11:30 PM - 11:35 PM	45.4	48.0	44.6
11:35 PM - 11:40 PM	45.6	50.5	44.4
11:40 PM - 11:45 PM	46.4	60.2	44.9
11:45 PM - 11:50 PM	47.1	65.2	45.2
11:50 PM - 11:55 PM	47.5	54.8	45.5
11:55 PM - 12:00 AM	47.6	59.3	45.4
12:00 AM - 12:05 AM	46.8	54.8	45.4
12:05 AM - 12:10 AM	47.0	54.2	45.7
12:10 AM - 12:15 AM	45.9	48.9	44.9
12:15 AM - 12:20 AM	46.1	50.6	45.3

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Approved by

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Life Sciences

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599090
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459388-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599090-4
Parameter Noise
Location บริเวณขอบเขตพื้นที่โครงการด้านทิศใต้ (N9) (จุดข้างล่าง) (GPS 47P 0745630, 1426750) (Shut down)
Measurement Date Nov 19 - 20, 2025
Measurement by Apichart Wilars
Sound Level Meter 531306

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:20 AM - 12:25 AM	45.7	51.7	45.5
12:25 AM - 12:30 AM	46.1	50.2	45.1
12:30 AM - 12:35 AM	46.1	49.7	45.2
12:35 AM - 12:40 AM	45.6	52.3	44.5
12:40 AM - 12:45 AM	45.8	56.3	44.6
12:45 AM - 12:50 AM	47.3	67.0	45.1
12:50 AM - 12:55 AM	46.2	50.0	45.2
12:55 AM - 01:00 AM	46.0	54.3	44.9
01:00 AM - 01:05 AM	47.0	56.4	45.7
01:05 AM - 01:10 AM	46.4	66.0	44.8
01:10 AM - 01:15 AM	47.2	65.4	45.2
01:15 AM - 01:20 AM	46.7	59.6	44.5
01:20 AM - 01:25 AM	45.2	48.3	44.4
01:25 AM - 01:30 AM	45.4	50.4	44.2
01:30 AM - 01:35 AM	44.7	50.5	43.7
01:35 AM - 01:40 AM	44.5	43.7	43.7
01:40 AM - 01:45 AM	45.1	60.2	43.6
01:45 AM - 01:50 AM	44.6	58.0	43.2
01:50 AM - 01:55 AM	44.0	53.1	43.2
01:55 AM - 02:00 AM	44.6	51.1	43.6
02:00 AM - 02:05 AM	44.9	48.4	43.9
02:05 AM - 02:10 AM	45.7	50.1	44.7
02:10 AM - 02:15 AM	47.0	56.7	45.0
02:15 AM - 02:20 AM	46.4	51.2	45.2
02:20 AM - 02:25 AM	45.4	50.7	44.4
02:25 AM - 02:30 AM	45.8	49.2	44.6
02:30 AM - 02:35 AM	47.0	60.2	44.6
02:35 AM - 02:40 AM	46.7	52.7	45.3
02:40 AM - 02:45 AM	46.4	53.1	45.0
02:45 AM - 02:50 AM	45.9	50.9	44.9
02:50 AM - 02:55 AM	45.0	51.7	44.7
02:55 AM - 03:00 AM	45.8	54.8	44.4
03:00 AM - 03:05 AM	44.8	54.8	43.6
03:05 AM - 03:10 AM	44.6	53.9	43.8
03:10 AM - 03:15 AM	47.3	60.3	45.0
03:15 AM - 03:20 AM	47.0	52.5	44.5
03:20 AM - 03:25 AM	46.4	55.8	44.9
03:25 AM - 03:30 AM	46.1	52.1	45.1
03:30 AM - 03:35 AM	46.6	53.6	45.1
03:35 AM - 03:40 AM	46.8	56.9	45.1

Approved by

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Manager

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599090
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459388-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample No. 2599090-4
Parameter Noise
Location บริเวณขอบเขตพื้นที่โครงการด้านทิศใต้ (N9) (จุดข้างล่าง) (GPS 47P 0745630, 1426750) (Shut down)
Measurement Date Nov 19 - 20, 2025
Measurement by Apichart Wilars
Sound Level Meter 531306

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	45.7	50.9	44.0
03:45 AM - 03:50 AM	45.7	57.3	43.3
03:50 AM - 03:55 AM	44.4	47.7	43.4
03:55 AM - 04:00 AM	44.4	51.7	43.4
04:00 AM - 04:05 AM	45.4	50.5	43.9
04:05 AM - 04:10 AM	45.9	50.3	44.9
04:10 AM - 04:15 AM	46.1	51.9	44.5
04:15 AM - 04:20 AM	45.9	54.6	44.1
04:20 AM - 04:25 AM	44.7	48.6	43.7
04:25 AM - 04:30 AM	46.8	59.9	43.9
04:30 AM - 04:35 AM	43.2	45.8	42.5
04:35 AM - 04:40 AM	43.2	45.7	42.5
04:40 AM - 04:45 AM	44.6	51.8	42.5
04:45 AM - 04:50 AM	44.9	50.3	42.9
04:50 AM - 04:55 AM	44.0	51.2	42.9
04:55 AM - 05:00 AM	49.1	69.6	44.4
05:00 AM - 05:05 AM	46.1	58.8	43.8
05:05 AM - 05:10 AM	44.5	49.6	43.3
05:10 AM - 05:15 AM	44.4	53.3	42.8
05:15 AM - 05:20 AM	44.6	54.8	42.6
05:20 AM - 05:25 AM	45.7	60.1	43.1
05:25 AM - 05:30 AM	44.5	54.1	43.2
05:30 AM - 05:35 AM	45.6	50.9	44.4
05:35 AM - 05:40 AM	44.7	50.1	43.4
05:40 AM - 05:45 AM	45.6	59.8	43.3
05:45 AM - 05:50 AM	44.5	55.2	42.9
05:50 AM - 05:55 AM	47.0	61.1	42.4
05:55 AM - 06:00 AM	46.8	64.0	43.1
06:00 AM - 07:00 AM	46.5	65.5	42.3
07:00 AM - 08:00 AM	46.2	65.0	42.9
08:00 AM - 09:00 AM	46.2	66.8	46.0
09:00 AM - 10:00 AM	48.4	69.1	45.6

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงสัญญาณ ระดับเสียงขณะดำเนินการขนถ่าย การตรวจวัดและคำนวณระดับเสียงขณะดำเนินการขนถ่ายจากข้อมูลการขนถ่ายขนถ่าย และแบบฉบับวิธีการตรวจวัดเสียงขนถ่าย พ.ศ. 2565

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599090
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459389-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599090-5
Parameter Noise
Location บริเวณขอบเขตพื้นที่โครงการด้านทิศใต้ (N9) (จุดค่าเสียง) (GPS 47P 0745630, 1426750) (Shut down)
Measurement Date Nov 20 - 21, 2025
Measurement by Apichart Wilars
Sound Level Meter 531306

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	47.8	63.4	44.9
11:00 AM - 12:00 PM	46.2	63.9	44.2
12:00 PM - 01:00 PM	45.4	60.3	43.1
01:00 PM - 02:00 PM	46.9	65.5	43.2
02:00 PM - 03:00 PM	47.2	62.0	44.7
03:00 PM - 04:00 PM	47.6	66.3	44.7
04:00 PM - 05:00 PM	47.9	66.3	44.5
05:00 PM - 06:00 PM	45.4	65.4	43.6
06:00 PM - 07:00 PM	47.5	70.4	43.9
07:00 PM - 08:00 PM	46.8	77.2	44.0
08:00 PM - 09:00 PM	45.8	61.8	44.4
09:00 PM - 10:00 PM	45.9	77.2	43.4
10:00 PM - 10:05 PM	47.5	67.0	43.5
10:05 PM - 10:10 PM	46.8	59.3	43.3
10:10 PM - 10:15 PM	44.4	51.4	43.4
10:15 PM - 10:20 PM	44.1	46.8	43.4
10:20 PM - 10:25 PM	44.4	47.6	43.5
10:25 PM - 10:30 PM	45.3	49.4	44.1
10:30 PM - 10:35 PM	45.0	54.0	43.8
10:35 PM - 10:40 PM	45.1	49.9	43.8
10:40 PM - 10:45 PM	44.6	51.6	43.7
10:45 PM - 10:50 PM	44.4	50.7	43.3
10:50 PM - 10:55 PM	44.9	57.1	43.3
10:55 PM - 11:00 PM	44.3	59.0	43.4
11:00 PM - 11:05 PM	44.2	48.8	43.3
11:05 PM - 11:10 PM	44.1	47.6	43.7
11:10 PM - 11:15 PM	43.8	65.1	43.7
11:15 PM - 11:20 PM	44.6	49.3	43.7
11:20 PM - 11:25 PM	44.4	50.4	43.7
11:25 PM - 11:30 PM	43.7	46.7	43.0
11:30 PM - 11:35 PM	44.2	53.1	43.1
11:35 PM - 11:40 PM	45.1	53.8	43.8
11:40 PM - 11:45 PM	43.7	46.1	42.8
11:45 PM - 11:50 PM	44.0	47.8	43.2
11:50 PM - 11:55 PM	43.8	49.0	43.1
11:55 PM - 12:00 AM	43.5	47.5	42.7
12:00 AM - 12:05 AM	44.2	51.2	43.0
12:05 AM - 12:10 AM	43.6	47.9	42.7
12:10 AM - 12:15 AM	44.3	54.0	43.3
12:15 AM - 12:20 AM	44.2	48.7	43.1

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599090
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459389-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599090-5
Parameter Noise
Location บริเวณขอบเขตพื้นที่โครงการด้านทิศใต้ (N9) (จุดค่าเสียง) (GPS 47P 0745630, 1426750) (Shut down)
Measurement Date Nov 20 - 21, 2025
Measurement by Apichart Wilars
Sound Level Meter 531306

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:20 AM - 12:25 AM	44.5	52.6	43.5
12:25 AM - 12:30 AM	44.6	57.1	43.1
12:30 AM - 12:35 AM	44.2	57.5	42.8
12:35 AM - 12:40 AM	44.4	47.7	43.2
12:40 AM - 12:45 AM	44.8	48.6	43.7
12:45 AM - 12:50 AM	45.1	53.4	43.7
12:50 AM - 12:55 AM	44.7	53.8	43.7
12:55 AM - 01:00 AM	44.8	61.9	43.7
01:00 AM - 01:05 AM	43.7	47.8	43.0
01:05 AM - 01:10 AM	43.7	52.6	42.8
01:10 AM - 01:15 AM	43.8	46.5	42.9
01:15 AM - 01:20 AM	43.5	46.6	42.6
01:20 AM - 01:25 AM	43.8	54.7	42.6
01:25 AM - 01:30 AM	43.2	50.2	42.7
01:30 AM - 01:35 AM	43.7	49.4	42.8
01:35 AM - 01:40 AM	44.0	47.2	42.8
01:40 AM - 01:45 AM	44.7	52.6	43.4
01:45 AM - 01:50 AM	44.7	48.1	43.1
01:50 AM - 01:55 AM	43.2	47.6	41.8
01:55 AM - 02:00 AM	43.4	47.4	42.7
02:00 AM - 02:05 AM	43.4	46.9	42.6
02:05 AM - 02:10 AM	43.4	46.7	42.8
02:10 AM - 02:15 AM	44.2	48.4	42.8
02:15 AM - 02:20 AM	44.8	50.6	43.8
02:20 AM - 02:25 AM	44.8	51.6	43.5
02:25 AM - 02:30 AM	44.4	52.0	43.5
02:30 AM - 02:35 AM	44.5	48.8	43.6
02:35 AM - 02:40 AM	44.9	49.9	43.9
02:40 AM - 02:45 AM	45.3	52.4	44.2
02:45 AM - 02:50 AM	45.2	51.1	44.1
02:50 AM - 02:55 AM	46.0	51.9	44.4
02:55 AM - 03:00 AM	45.5	51.8	44.3
03:00 AM - 03:05 AM	46.4	57.0	44.8
03:05 AM - 03:10 AM	45.2	50.2	44.1
03:10 AM - 03:15 AM	45.2	50.7	44.1
03:15 AM - 03:20 AM	46.7	58.0	44.8
03:20 AM - 03:25 AM	46.1	54.2	44.5
03:25 AM - 03:30 AM	46.0	53.1	44.8
03:30 AM - 03:35 AM	46.4	59.7	44.7
03:35 AM - 03:40 AM	45.6	49.8	44.3

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599090
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459389-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample No. 2599090-5
Parameter Noise
Location บริเวณขอบเขตพื้นที่โครงการด้านทิศใต้ (N9) (จุดค่าเสียง) (GPS 47P 0745630, 1426750) (Shut down)
Measurement Date Nov 20 - 21, 2025
Measurement by Apichart Wilars
Sound Level Meter 531306

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	45.4	53.4	44.5
03:45 AM - 03:50 AM	45.9	55.4	44.7
03:50 AM - 03:55 AM	45.7	50.2	44.3
03:55 AM - 04:00 AM	46.8	61.5	44.4
04:00 AM - 04:05 AM	47.3	59.1	44.6
04:05 AM - 04:10 AM	46.1	58.9	44.6
04:10 AM - 04:15 AM	45.3	48.7	44.4
04:15 AM - 04:20 AM	45.2	51.3	44.0
04:20 AM - 04:25 AM	45.0	50.8	43.3
04:25 AM - 04:30 AM	44.3	48.4	43.2
04:30 AM - 04:35 AM	44.3	50.1	43.4
04:35 AM - 04:40 AM	44.6	50.0	43.4
04:40 AM - 04:45 AM	44.7	51.7	43.4
04:45 AM - 04:50 AM	46.4	54.6	44.3
04:50 AM - 04:55 AM	47.1	55.5	45.6
04:55 AM - 05:00 AM	48.2	60.5	46.4
05:00 AM - 05:05 AM	49.4	60.4	46.9
05:05 AM - 05:10 AM	51.1	63.2	49.4
05:10 AM - 05:15 AM	50.4	61.8	47.9
05:15 AM - 05:20 AM	49.4	60.3	47.3
05:20 AM - 05:25 AM	48.9	58.1	46.4
05:25 AM - 05:30 AM	49.7	61.9	46.4
05:30 AM - 05:35 AM	48.4	55.0	46.5
05:35 AM - 05:40 AM	48.3	56.2	46.0
05:40 AM - 05:45 AM	47.0	53.8	45.0
05:45 AM - 05:50 AM	46.2	60.2	46.4
05:50 AM - 05:55 AM	50.1	60.4	47.1
05:55 AM - 06:00 AM	51.2	61.6	47.2
06:00 AM - 07:00 AM	50.3	66.2	46.5
07:00 AM - 08:00 AM	48.6	62.2	45.5
08:00 AM - 09:00 AM	48.7	63.8	45.7
09:00 AM - 10:00 AM	49.4	63.8	46.1

Reference Method :
1. ISO 1996-1
2. ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงสัญญาณ ระดับเสียงขณะมีกิจกรรมการ การตรวจวัดและคำนวณระดับเสียงขณะมีกิจกรรมการ การคำนวณการรบกวนการรบกวน และแบบฉบับการตรวจวัดเสียงตาม พ.ร.บ. 2565

Approved by

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599090
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459390-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599090-6
Parameter Noise
Location บริเวณขอบเขตพื้นที่โครงการด้านทิศใต้ (N9) (จุดค่าเสียง) (GPS 47P 0745630, 1426750) (Shut down)
Measurement Date Nov 21 - 22, 2025
Measurement by Apichart Wilars
Sound Level Meter 531306

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	48.9	66.1	46.2
11:00 AM - 12:00 PM	48.9	63.9	46.0
12:00 PM - 01:00 PM	45.6	63.0	45.1
01:00 PM - 02:00 PM	45.4	64.1	42.8
02:00 PM - 03:00 PM	46.7	65.3	43.8
03:00 PM - 04:00 PM	46.8	63.2	43.8
04:00 PM - 05:00 PM	46.9	65.0	44.0
05:00 PM - 06:00 PM	46.3	63.7	44.2
06:00 PM - 07:00 PM	46.1	67.6	44.6
07:00 PM - 08:00 PM	45.3	57.8	44.1
08:00 PM - 09:00 PM	45.2	57.9	44.1
09:00 PM - 10:00 PM	45.2	69.8	43.7
10:00 PM - 10:05 PM	44.8	52.2	44.0
10:05 PM - 10:10 PM	45.0	49.1	43.9
10:10 PM - 10:15 PM	45.9	51.4	44.2
10:15 PM - 10:20 PM	45.2	51.4	44.2
10:20 PM - 10:25 PM	44.6	50.6	43.5
10:25 PM - 10:30 PM	47.3	57.8	44.9
10:30 PM - 10:35 PM	54.7	74.7	45.5
10:35 PM - 10:40 PM	50.3	68.3	44.3
10:40 PM - 10:45 PM	44.9	58.1	43.6
10:45 PM - 10:50 PM	43.8	47.1	42.9
10:50 PM - 10:55 PM	44.6	54.6	43.7
10:55 PM - 11:00 PM	44.4	49.2	43.3
11:00 PM - 11:05 PM	44.7	51.0	43.4
11:05 PM - 11:10 PM	44.1	52.3	42.6
11:10 PM - 11:15 PM	43.3	43.9	42.6
11:15 PM - 11:20 PM	43.9	48.4	43.1
11:20 PM - 11:25 PM	44.0	49.6	43.2
11:25 PM - 11:30 PM	44.0	51.0	43.2
11:30 PM - 11:35 PM	43.7	46.2	43.1
11:35 PM - 11:40 PM	44.1	48.8	43.2
11:40 PM - 11:45 PM	43.6	51.6	42.2
11:45 PM - 11:50 PM	44.6	53.9	43.0
11:50 PM - 11:55 PM	44.6	52.6	43.5
11:55 PM - 12:00 AM	44.9	59.7	43.7
12:00 AM - 12:05 AM	44.6	52.5	43.8
12:05 AM - 12:10 AM	44.9	48.4	43.4
12:10 AM - 12:15 AM	43.7	46.7	42.6
12:15 AM - 12:20 AM	44.8	48.0	43.4

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599090
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459390-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599090-6
Parameter Noise
Location บริเวณขอบเขตพื้นที่โครงการด้านทิศใต้ (N9) (จุดข้างล่าง) (GPS 47P 0745630, 1426750) (Shut down)
Measurement Date Nov 21 - 22, 2025
Measurement by Apichart Wilars
Sound Level Meter 531306

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	44.0	49.2	43.1
12:35 AM - 12:40 AM	44.1	46.1	43.0
12:40 AM - 12:45 AM	43.8	50.8	43.6
12:45 AM - 12:50 AM	44.8	48.7	43.4
12:50 AM - 12:55 AM	44.2	47.4	43.2
12:55 AM - 01:00 AM	43.5	46.2	42.9
01:00 AM - 01:05 AM	43.9	47.7	42.9
01:05 AM - 01:10 AM	44.6	49.8	43.1
01:10 AM - 01:15 AM	44.6	48.3	43.6
01:15 AM - 01:20 AM	44.9	49.4	43.6
01:20 AM - 01:25 AM	44.4	54.6	43.4
01:25 AM - 01:30 AM	44.1	50.3	43.0
01:30 AM - 01:35 AM	43.5	46.8	42.8
01:35 AM - 01:40 AM	43.9	46.2	43.2
01:40 AM - 01:45 AM	44.6	48.3	43.1
01:45 AM - 01:50 AM	45.1	59.9	43.4
01:50 AM - 01:55 AM	45.9	61.3	43.5
01:55 AM - 02:00 AM	45.1	61.1	43.6
02:00 AM - 02:05 AM	44.9	49.2	44.0
02:05 AM - 02:10 AM	45.3	50.6	44.2
02:10 AM - 02:15 AM	45.1	53.8	43.9
02:15 AM - 02:20 AM	44.8	48.7	43.8
02:20 AM - 02:25 AM	45.5	49.5	44.5
02:25 AM - 02:30 AM	45.6	54.1	44.4
02:30 AM - 02:35 AM	45.7	57.5	44.5
02:35 AM - 02:40 AM	45.1	50.2	44.2
02:40 AM - 02:45 AM	45.5	53.4	44.3
02:45 AM - 02:50 AM	46.1	53.9	44.8
02:50 AM - 02:55 AM	45.0	53.1	44.2
02:55 AM - 03:00 AM	46.2	48.9	44.1
03:00 AM - 03:05 AM	44.6	46.8	43.9
03:05 AM - 03:10 AM	44.9	47.5	44.0
03:10 AM - 03:15 AM	44.8	52.2	43.8
03:15 AM - 03:20 AM	45.2	51.7	44.1
03:20 AM - 03:25 AM	45.1	54.5	44.1
03:25 AM - 03:30 AM	45.3	51.0	44.0
03:30 AM - 03:35 AM	45.6	50.8	43.6
03:35 AM - 03:40 AM	45.3	48.8	44.1
03:40 AM - 03:45 AM	44.5	49.9	43.4

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599090
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459390-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample No. 2599090-6
Parameter Noise
Location บริเวณขอบเขตพื้นที่โครงการด้านทิศใต้ (N9) (จุดข้างล่าง) (GPS 47P 0745630, 1426750) (Shut down)
Measurement Date Nov 21 - 22, 2025
Measurement by Apichart Wilars
Sound Level Meter 531306

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	44.2	47.7	43.2
03:45 AM - 03:50 AM	44.9	54.6	43.8
03:50 AM - 03:55 AM	44.5	50.4	43.1
03:55 AM - 04:00 AM	44.3	47.7	43.0
04:00 AM - 04:05 AM	43.8	48.7	42.6
04:05 AM - 04:10 AM	44.4	47.9	43.2
04:10 AM - 04:15 AM	43.4	50.9	42.3
04:15 AM - 04:20 AM	44.3	51.1	42.6
04:20 AM - 04:25 AM	43.2	46.5	42.4
04:25 AM - 04:30 AM	43.2	47.9	42.2
04:30 AM - 04:35 AM	43.4	47.4	42.4
04:35 AM - 04:40 AM	43.9	46.6	42.6
04:40 AM - 04:45 AM	44.5	47.5	43.3
04:45 AM - 04:50 AM	44.5	52.7	42.2
04:50 AM - 04:55 AM	44.5	49.6	42.5
04:55 AM - 05:00 AM	44.4	48.5	43.1
05:00 AM - 05:05 AM	45.1	58.3	42.5
05:05 AM - 05:10 AM	45.6	61.6	42.8
05:10 AM - 05:15 AM	44.5	49.9	42.9
05:15 AM - 05:20 AM	44.1	51.2	43.0
05:20 AM - 05:25 AM	44.4	52.4	43.2
05:25 AM - 05:30 AM	44.9	49.6	43.2
05:30 AM - 05:35 AM	44.3	52.1	43.0
05:35 AM - 05:40 AM	44.1	55.0	42.8
05:40 AM - 05:45 AM	46.8	60.2	43.0
05:45 AM - 05:50 AM	48.7	63.1	42.8
05:50 AM - 05:55 AM	48.5	63.2	42.7
05:55 AM - 06:00 AM	49.4	62.7	44.1
06:00 AM - 07:00 AM	47.3	63.6	42.3
07:00 AM - 08:00 AM	46.2	63.1	42.8
08:00 AM - 09:00 AM	45.5	61.5	42.8
09:00 AM - 10:00 AM	44.2	62.4	41.8

Reference Method :

- ISO 1996-1
- طبقเกณฑ์การตรวจวัดคุณภาพเสียงสิ่งแวดล้อมตามมาตรฐานการกำหนดค่ามาตรฐานการควบคุมเสียงรบกวน พ.ศ. 2555

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599090
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459391-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 1 of 3

Sample No. 2599090-7
Parameter Noise
Location บริเวณขอบเขตพื้นที่โครงการด้านทิศใต้ (N9) (จุดข้างล่าง) (GPS 47P 0745630, 1426750) (Shut down)
Measurement Date Nov 22 - 23, 2025
Measurement by Apichart Wilars
Sound Level Meter 531306

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	46.0	65.6	42.2
11:00 AM - 12:00 PM	45.5	63.8	42.2
12:00 PM - 01:00 PM	46.4	64.4	42.6
01:00 PM - 02:00 PM	43.6	58.1	41.4
02:00 PM - 03:00 PM	44.5	61.9	41.7
03:00 PM - 04:00 PM	44.1	61.1	41.3
04:00 PM - 05:00 PM	44.1	61.1	41.3
05:00 PM - 06:00 PM	46.2	65.6	42.5
06:00 PM - 07:00 PM	47.3	60.8	42.7
07:00 PM - 08:00 PM	46.6	58.9	42.7
08:00 PM - 09:00 PM	47.1	61.5	46.0
09:00 PM - 10:00 PM	45.8	63.9	44.9
10:00 PM - 10:05 PM	45.4	53.5	44.7
10:05 PM - 10:10 PM	45.8	48.3	45.0
10:10 PM - 10:15 PM	44.9	48.1	44.1
10:15 PM - 10:20 PM	45.1	52.6	44.5
10:20 PM - 10:25 PM	45.6	47.7	44.9
10:25 PM - 10:30 PM	44.8	51.3	44.0
10:30 PM - 10:35 PM	45.7	54.4	44.7
10:35 PM - 10:40 PM	45.8	48.7	45.1
10:40 PM - 10:45 PM	45.3	48.9	44.6
10:45 PM - 10:50 PM	46.4	58.7	45.3
10:50 PM - 10:55 PM	46.5	50.6	45.2
10:55 PM - 11:00 PM	45.5	50.1	44.8
11:00 PM - 11:05 PM	45.9	50.0	44.9
11:05 PM - 11:10 PM	45.9	49.6	45.0
11:10 PM - 11:15 PM	46.3	50.5	45.3
11:15 PM - 11:20 PM	45.2	52.4	44.5
11:20 PM - 11:25 PM	45.8	49.8	44.5
11:25 PM - 11:30 PM	45.9	52.9	44.9
11:30 PM - 11:35 PM	46.2	51.8	45.2
11:35 PM - 11:40 PM	45.4	47.4	44.8
11:40 PM - 11:45 PM	46.7	46.7	45.4
11:45 PM - 11:50 PM	46.1	53.6	45.1
11:50 PM - 11:55 PM	46.6	62.0	45.0
11:55 PM - 12:00 AM	45.5	48.3	44.7
12:00 AM - 12:05 AM	46.9	48.1	45.9
12:05 AM - 12:10 AM	46.2	49.0	45.3
12:10 AM - 12:15 AM	46.2	51.9	45.3
12:15 AM - 12:20 AM	45.8	48.9	45.0

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Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599090
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459391-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 2 of 3

Sample No. 2599090-7
Parameter Noise
Location บริเวณขอบเขตพื้นที่โครงการด้านทิศใต้ (N9) (จุดข้างล่าง) (GPS 47P 0745630, 1426750) (Shut down)
Measurement Date Nov 22 - 23, 2025
Measurement by Apichart Wilars
Sound Level Meter 531306

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	45.5	49.3	45.4
12:35 AM - 12:40 AM	45.6	48.5	44.9
12:40 AM - 12:45 AM	46.2	53.3	45.2
12:45 AM - 12:50 AM	46.5	46.8	45.9
12:50 AM - 12:55 AM	47.1	52.5	46.4
12:55 AM - 01:00 AM	47.2	55.0	46.5
01:00 AM - 01:05 AM	46.9	50.3	46.2
01:05 AM - 01:10 AM	46.8	50.1	46.2
01:10 AM - 01:15 AM	47.4	54.1	46.5
01:15 AM - 01:20 AM	46.4	50.3	45.8
01:20 AM - 01:25 AM	46.3	47.9	45.8
01:25 AM - 01:30 AM	46.4	48.5	45.5
01:30 AM - 01:35 AM	45.0	48.8	44.5
01:35 AM - 01:40 AM	45.6	52.6	44.6
01:40 AM - 01:45 AM	45.0	48.7	44.4
01:45 AM - 01:50 AM	45.9	76.6	44.5
01:50 AM - 01:55 AM	45.2	49.6	45.3
01:55 AM - 02:00 AM	45.5	51.6	44.7
02:00 AM - 02:05 AM	45.5	48.9	44.8
02:05 AM - 02:10 AM	45.8	48.8	45.1
02:10 AM - 02:15 AM	45.4	58.3	44.4
02:15 AM - 02:20 AM	45.5	49.4	44.6
02:20 AM - 02:25 AM	45.3	48.1	44.5
02:25 AM - 02:30 AM	44.9	48.2	44.0
02:30 AM - 02:35 AM	45.1	48.2	44.2
02:35 AM - 02:40 AM	45.2	47.4	44.4
02:40 AM - 02:45 AM	45.2	47.6	44.2
02:45 AM - 02:50 AM	46.8	61.7	44.4
02:50 AM - 02:55 AM	45.8	49.2	44.9
02:55 AM - 03:00 AM	45.7	48.5	44.7
03:00 AM - 03:05 AM	45.6	48.9	44.8
03:05 AM - 03:10 AM	45.0	49.0	44.8
03:10 AM - 03:15 AM	45.9	53.9	45.1
03:15 AM - 03:20 AM	46.3	55.2	44.6
03:20 AM - 03:25 AM	45.9	54.1	44.9
03:25 AM - 03:30 AM	46.0	56.2	45.0
03:30 AM - 03:35 AM	45.6	48.5	44.8
03:35 AM - 03:40 AM	45.5	46.4	44.7

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company



Analysis / Test Report

TESTING
No.0042

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140

Lot ID: 2599090
Date Received :Nov 24, 2025
Date Reported :Dec 03, 2025
Report No. : 3459391-1

P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Page 3 of 3

Sample No. 2599090-7
Parameter Noise
Location บริเวณรอบนอกพื้นที่โครงการด้านทิศใต้ (N9) (จุดล่างฝั่ง) (GPS 47P 0745630, 1426750) (Shut down)
Measurement Date Nov 22 - 23, 2025
Measurement by Apichart Wilars
Sound Level Meter 531306

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	45.2	47.4	44.5
03:45 AM - 03:50 AM	45.9	62.1	44.6
03:50 AM - 03:55 AM	45.8	50.7	44.6
03:55 AM - 04:00 AM	45.3	57.7	44.3
04:00 AM - 04:05 AM	45.3	48.1	44.5
04:05 AM - 04:10 AM	46.1	49.2	45.1
04:10 AM - 04:15 AM	46.0	50.6	45.0
04:15 AM - 04:20 AM	46.2	51.5	44.9
04:20 AM - 04:25 AM	46.5	49.8	45.2
04:25 AM - 04:30 AM	46.8	54.4	45.5
04:30 AM - 04:35 AM	45.5	49.0	44.6
04:35 AM - 04:40 AM	45.8	53.7	44.7
04:40 AM - 04:45 AM	45.8	53.3	44.7
04:45 AM - 04:50 AM	47.2	62.5	44.7
04:50 AM - 04:55 AM	46.2	60.4	44.4
04:55 AM - 05:00 AM	44.4	49.2	43.6
05:00 AM - 05:05 AM	43.7	47.8	43.0
05:05 AM - 05:10 AM	45.7	63.1	42.8
05:10 AM - 05:15 AM	45.3	61.9	43.3
05:15 AM - 05:20 AM	44.6	52.1	43.7
05:20 AM - 05:25 AM	45.7	63.6	44.3
05:25 AM - 05:30 AM	48.1	62.2	45.2
05:30 AM - 05:35 AM	47.7	59.3	45.8
05:35 AM - 05:40 AM	46.9	58.6	45.7
05:40 AM - 05:45 AM	46.4	50.0	45.2
05:45 AM - 05:50 AM	47.0	56.5	45.4
05:50 AM - 05:55 AM	48.3	61.7	45.1
05:55 AM - 06:00 AM	50.0	62.6	44.9
06:00 AM - 07:00 AM	48.3	63.9	43.8
07:00 AM - 08:00 AM	49.6	69.9	43.9
08:00 AM - 09:00 AM	46.4	63.5	43.5
09:00 AM - 10:00 AM	47.2	65.0	43.0

Reference Method :

1. ISO 1996-1
2. ปกติทดสอบการรบกวนของเสียง เรื่อง วิธีการตรวจวัดระดับเสียงพื้นฐาน ระดับเสียงขณะไม่มีการรบกวน การตรวจวัดและคำนวณระดับเสียงขณะมีการรบกวน การคำนวณการรบกวน และสมมติฐานการตรวจวัดของกรม พ.ศ. 2565

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ภาคผนวก ค-6

ผลการตรวจวิเคราะห์คุณภาพน้ำผิวดิน



Analysis / Test Report

TESTING

No.0042

Lot ID: 2568347

Date Received : Sep 24, 2025

Date Reported : Oct 01, 2025

Report Number : 3418384-1

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number 2568347-1
Sampled Date Sep 24, 2025 2:00 PM
Sample Description Surface Water
Location คลองปล่อยน้ำจากถังเก็บน้ำฝนของโรงการ 500 เมตร (SW1)
Date Analysis Commenced Sep 24, 2025
Condition of Sample Contained in two glass vials, two BOD bottles and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, no solid and turbid

Page 2 of 3

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
^(A) Arsenic	mg/L	0.0003	0.0005	0.002	≤0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
^(A) Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
^(A) Copper	mg/L	0.0003	0.0005	0.0009	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
^(A) Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3500-C B	Bangkok
^(A) Lead	mg/L	0.0003	0.0005	0.001	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
^(A) Manganese	mg/L	0.0003	0.0005	0.22	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
^(A) Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Jitsupa P.

Jitsupa Prathangskul
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Analysis / Test Report

TESTING

No.0042

Lot ID: 2568347

Date Received : Sep 24, 2025

Date Reported : Oct 01, 2025

Report Number : 3418384-1

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number 2568347-1
Sampled Date Sep 24, 2025 2:00 PM
Sample Description Surface Water
Location คลองปล่อยน้ำจากถังเก็บน้ำฝนของโรงการ 500 เมตร (SW1)
Date Analysis Commenced Sep 24, 2025
Condition of Sample Contained in two glass vials, two BOD bottles and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, no solid and turbid

Page 2 of 3

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
^(A) Nickel	mg/L	0.0003	0.0005	0.001	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
^(A) Zinc	mg/L	0.003	0.005	0.01	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Microbiological Testing								
^(A) Faecal Coliform	MPN/100mL	-	-	4900.0	≤4000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Bangkok
^(A) Total Coliform	MPN/100mL	-	-	7900.0	≤20000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Bangkok
Water Testing								
Ammonia Nitrogen *	mg/L	0.02	0.05	0.09	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (F)	Rayong
BOD *	mg/L	-	2	<2.0	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O C	Rayong
Cyanide as CN	mg/L	0.001	0.005	<0.005	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-CN (C, E)	Rayong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Jitsupa P.

Jitsupa Prathangskul
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Analysis / Test Report

TESTING

No.0042

Lot ID: 2568347

Date Received : Sep 24, 2025

Date Reported : Oct 01, 2025

Report Number : 3418384-1

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number 2568347-1
Sampled Date Sep 24, 2025 2:00 PM
Sample Description Surface Water
Location คลองปล่อยน้ำจากถังเก็บน้ำฝนของโรงการ 500 เมตร (SW1)
Date Analysis Commenced Sep 24, 2025
Condition of Sample Contained in two glass vials, two BOD bottles and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, no solid and turbid

Page 3 of 3

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Dissolved Oxygen *	mg/L	-	0.1	6.4	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Fluoride	mg/L	-	0.2	<0.2	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-F (C)	Rayong
Nitrate as N *	mg/L	0.015	0.05	0.86	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong
pH at 25 degree C	-	-	-	7.4	5.0-9.0	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	0.004	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5530 B, D	Rayong

Guideline : (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act, B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act, B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)

(a) Not Change from natural condition
(b) Non Objectable
(c) Change from Natural condition not more than 3 degree C
Sampling By : Phongthep Sitthikh

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

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Analysis / Test Report

TESTING

No.0042

Lot ID: 2568347

Date Received : Sep 24, 2025

Date Reported : Oct 01, 2025

Report Number : 3418385-1

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Sample Number 2568347-2
Sampled Date Sep 24, 2025 1:40 PM
Sample Description Surface Water
Location คลองปล่อยน้ำจากถังเก็บน้ำฝนของโรงการ (SW2)
Date Analysis Commenced Sep 24, 2025
Condition of Sample Contained in two glass vials, two BOD bottles and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, odourless, some solid and no turbid

Page 1 of 3

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
^(A) Arsenic	mg/L	0.0003	0.0005	0.001	≤0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
^(A) Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
^(A) Copper	mg/L	0.0003	0.0005	0.002	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
^(A) Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3500-C B	Bangkok
^(A) Lead	mg/L	0.0003	0.0005	90.0005	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
^(A) Manganese	mg/L	0.0003	0.0005	0.03	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
^(A) Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phusadeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 2568347
Date Received : Sep 24, 2025
Date Reported : Oct 01, 2025
Report Number : 3418385-1

Page 2 of 3

Sample Number 2568347-2
Sampled Date Sep 24, 2025 1:40 PM
Sample Description Surface Water
Location คลองชลประทานบ้านท่าเรือโครงการ (SW2)
Date Analysis Commenced Sep 24, 2025
Condition of Sample Contained in two glass vials, two BOD bottles and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, odourless, some solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
^(A) Nickel	mg/L	0.0003	0.0005	0.003	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
^(A) Zinc	mg/L	0.003	0.005	0.007	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Microbiological Testing								
^(A) Fecal Coliform	MPN/100mL	-	-	330.0	≤4000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3221 B, E	Bangkok
^(A) Total Coliform	MPN/100mL	-	-	1300.0	≤20000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3221 B	Bangkok
Water Testing								
Cyanide as CN	mg/L	0.001	0.005	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-CN (C, D)	Rayong
Dissolved Oxygen	<	mg/L	-	0.1	7.4	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Fluoride	mg/L	-	0.2	1.8	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-F (C)	Rayong

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phusadeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 2568347
Date Received : Sep 24, 2025
Date Reported : Oct 01, 2025
Report Number : 3418385-1

Page 3 of 3

Sample Number 2568347-2
Sampled Date Sep 24, 2025 1:40 PM
Sample Description Surface Water
Location คลองชลประทานบ้านท่าเรือโครงการ (SW2)
Date Analysis Commenced Sep 24, 2025
Condition of Sample Contained in two glass vials, two BOD bottles and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, odourless, some solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Nitrate as N <	mg/L	0.015	0.05	1.83	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (F)	Rayong
pH at 25 degree C	-	-	-	7.2	5.0-9.0	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500- H (B)	Rayong
Phenol <	mg/L	0.0005	0.001	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5530 B, D	Rayong

Guideline : (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
(a) Not Change from natural condition
(b) Non Objectionable
(c) Change from Natural condition not more than 3 degree C

Sampling By : Phongthep Sitthiloh

Remark :

- LOD : Limit of Detection
- "S" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked < is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phusadeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 2568347
Date Received : Sep 24, 2025
Date Reported : Oct 01, 2025
Report Number : 3418385-2

Page 1 of 1

Sample Number 2568347-2
Sampled Date Sep 24, 2025 1:40 PM
Sample Description Surface Water
Location คลองชลประทานบ้านท่าเรือโครงการ (SW2)
Date Analysis Commenced Sep 25, 2025
Condition of Sample Contained in two glass vials, two BOD bottles and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, odourless, some solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Ammonia Nitrogen	mg/L	0.02	0.05	13.7	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (F)	Rayong
BOD	mg/L	-	2	2.3	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O C	Rayong

Guideline : (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
(a) Not Change from natural condition
(b) Non Objectionable
(c) Change from Natural condition not more than 3 degree C

Sampling By : Phongthep Sitthiloh

- Remark :
- LOD : Limit of Detection
 - "S" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

Client : H E A Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phusadeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : H E A ESIE 4

TESTING
No.0042
Lot ID: 2568347
Date Received : Sep 24, 2025
Date Reported : Oct 01, 2025
Report Number : 3418385-2

Page 1 of 1

Sample Number 25-834778
Sampled Date Sep 24, 2025 1:30 pm
Sample Description Surface Water
Location คลองชลประทานบ้านท่าเรือโครงการ 500 เมตร (SH 3)
Date Analysis Commenced Sep 24, 2025
Condition of Sample Contained in two glass vials, two BOD bottles and seven plastic bottles, sample containers comply to pretreatment - preservation standards (AgE, USEPA)
Physical Property Yellow, some solid, and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
^(A) Arsenic	b f / M	0.0003	0.0005	0.002	≤0.01	≤0.01	Standard k methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
^(A) Cadmium	b f / M	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Standard k methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
^(A) Copper	b f / M	0.0003	0.0005	0.002	≤0.10	≤0.10	Standard k methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
^(A) Hexavalent Chromium	b f / M	0.003	0.01	Not Detected	≤0.05	≤0.05	Standard k methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3500- Cr B	Bangkok
^(A) Lead	b f / M	0.0003	0.0005	9.00005	≤0.05	≤0.05	Standard k methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
^(A) Lead and Arsenic	b f / M	0.0003	0.0005	0.10	≤1	≤1	Standard k methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
^(A) Mercury	b f / M	0.0001	0.0005	Not Detected	≤0.002	≤0.002	Standard k methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

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Analysis / Test Report

Client : H E A Eastern SeaWard Gndmtrial Istate 4 . ol, Mdl.
121 k oo 3, Tab Vbl k aenab hoo, Ab pfm glmhdaenf , Rayonf TPailand 21140
P/O : 54250023
Project Name : ik onitorinf
Project Location : H EA ISQ 4

TESTING
No.0042
Lot ID: 2568347
Date Received : Sep 24, 2025
Date Reported : Oct 01, 2025
Report unbr Wbr : 341838-N

gpf e 3 uel3

Sample Number 25-83478
Sampled Date Sep 24, 2025 1:30 gk
Sample Description Smface H ater
Location คลองน้ำพอง บริเวณท่าเรือ โรงงานอุตสาหกรรม 500 เมตร (SH3)
Date Analysis Commenced Sep 24, 2025
Condition of Sample , obtained in two flass vials, two BOD Wtities and seven plastic Wtities, sab ple containers cob ply to pretreatb ent Npreservation standards (AgEA, USI gh)
Physical Property Yellow, sob e odour, solid and no tmWd

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
^(A) Michel	b f/M	0.0003	0.0005	0.005	≤0.10	≤0.10	Standard k ePhds for the 1xab ination o6H ater and H asterwater, AgEA, AH A & H IF, 24P ed, 2023, part 3125 B,3030 F	Barf hoh
^(A) Zinc	b f/M	0.0003	0.0005	0.01	≤1	≤1	Standard k ePhds for the 1xab ination o6H ater and H asterwater, AgEA, AH A & H IF, 24P ed, 2023, part 3125 B,3030 F	Barf hoh
Microbiological Testing								
^(A) Fecal . oiforb	k gu/100b M	N	N	11000	≤4000	uo Standard	Standard k ePhds for the 1xab ination o6H ater and H asterwater, AgEA, AH A & H IF, 24P ed, 2023, part 5530 B, D	Barf hoh
^(A) Total . oiforb	k gu/100b M	N	N	33000	≤20000	uo Standard	Standard k ePhds for the 1xab ination o6H ater and H asterwater, AgEA, AH A & H IF, 24P ed, 2023, part 5530 B, D	Barf hoh
Water Testing								
. yanide as . u	b f/M	0.001	0.005	9.0005	≤0.005	≤0.005	Standard k ePhds for the 1xab ination o6H ater and H asterwater, AgEA, AH A & H IF, 24P ed, 2023, part 4500N (.)	Rayonf
Dissolved Oxyf en <	b f/M	N	0.1	7.2	≥4	≥2	Standard k ePhds for the 1xab ination o6H ater and H asterwater, AgEA, AH A & H IF, 24P ed, 2023, part 4500N (.)	Rayonf
Flmride	b f/M	N	0.2	15	uo Standard	uo Standard	Standard k ePhds for the 1xab ination o6H ater and H asterwater, AgEA, AH A & H IF, 24P ed, 2023, part 4500N (.)	Rayonf

Results apply to the sab pho(s) as subd, unless the sab plrf was conducted W
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S:\Report\AL_2568347 (7-48p)



Analysis / Test Report

Client : H E A Eastern SeaWard Gndmtrial Istate 4 . ol, Mdl.
121 k oo 3, Tab Vbl k aenab hoo, Ab pfm glmhdaenf , Rayonf TPailand 21140
P/O : 54250023
Project Name : ik onitorinf
Project Location : H EA ISQ 4

TESTING
No.0042
Lot ID: 2568347
Date Received : Sep 24, 2025
Date Reported : Oct 01, 2025
Report unbr Wbr : 341838-N

gpf e 3 uel3

Sample Number 25-83478
Sampled Date Sep 24, 2025 1:30 gk
Sample Description Smface H ater
Location คลองน้ำพอง บริเวณท่าเรือ โรงงานอุตสาหกรรม 500 เมตร (SH3)
Date Analysis Commenced Sep 24, 2025
Condition of Sample , obtained in two flass vials, two BOD Wtities and seven plastic Wtities, sab ple containers cob ply to pretreatb ent Npreservation standards (AgEA, USI gh)
Physical Property Yellow, sob e odour, solid and no tmWd

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
ultrate as u <	b f/M	0.0015	0.005	2.183	≤5	≤5	Standard k ePhds for the 1xab ination o6H ater and H asterwater, AgEA, AH A & H IF, 24P ed, 2023, part 4500N (.)	Rayonf
pE at 25 def ree .	N	N	N	713	SIOMD	SIOMD	Standard k ePhds for the 1xab ination o6H ater and H asterwater, AgEA, AH A & H IF, 24P ed, 2023, part 4500N (.)	Rayonf
gPenol <	b f/M	0.0005	0.001	9.0001	≤0.005	≤0.005	Standard k ePhds for the 1xab ination o6H ater and H asterwater, AgEA, AH A & H IF, 24P ed, 2023, part 5530 B, D	Rayonf
Guideline : (1) uotification o6Pe uational I nvironb ental Board, uol.8, BU L2537 issued mder the I nPhancb ent and . oservation o6uational I nvironb ental Quality Act. BU L2535, pmWdP in the Royal Governb ent Gazette, Vol.111, part 1-, Dated FeWmry 24, BU L2537 (. lass 3) (2) uotification o6Pe uational I nvironb ental Board, uol.8, BU L2537 issued mder the I nPhancb ent and . oservation o6uational I nvironb ental Quality Act. BU L2535, pmWdP in the Royal Governb ent Gazette, Vol.111, part 1-, Dated FeWmry 24, BU L2537 (. lass 4) (a) uot . Panf e do6 natural condition (b) uot Objectionable (c) . Panf e do6 natural condition not b ore than 3 def ree .								

Sampling W : gPhonf thep SittPhd

Reb arh :

- MOD : Mb ik eDetection
- "S" : Newer than MOQ (Mb ik eQuantitation) / NOR (Mb ik eReporting)
- Analyte(s) b arked < is/are not included in scope of Accreditation (SQ/Q) : 1702SL
- Sab plrf is not included in scope of accreditation (SQ/Q) : 1702S

Results apply to the sab pho(s) as subd, unless the sab plrf was conducted W
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S:\Report\AL_2568347 (7-48p)



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2568347
Date Received : Sep 24, 2025
Date Reported : Oct 01, 2025
Report Number : 3418386-2

Page 1 of 1

Sample Number 2568347-3
Sampled Date Sep 24, 2025 1:30 PM
Sample Description Surface Water
Location คลองน้ำพอง บริเวณท่าเรือ โรงงานอุตสาหกรรม 500 เมตร (SW3)
Date Analysis Commenced Sep 25, 2025
Condition of Sample Contained in two glass vials, two BOD bottles and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Ammonia Nitrogen	mg/L	0.02	0.05	10.7	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (F)	Rayong
BOD	mg/L	-	2	3.8	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O C	Rayong

Guideline : (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
(a) Not Change from natural condition
(b) Non Objectionable
(c) Change from Natural condition not more than 3 degree C

Sampling W : Phongthep Sittthoh

Remark :

- LOD : Limit of Detection
- "C" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Results apply to the sample(s) as submitted, unless the sampling was conducted by
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Analysis / Test Report

Client : H E A Eastern SeaWard Gndmtrial Istate 4 . ol, Mdl.
121 k oo 3, Tab Vbl k aenab hoo, Ab pfm glmhdaenf , Rayonf TPailand 21140
P/O : 54250023
Project Name : ik onitorinf
Project Location : H EA ISQ 4

TESTING
No.0042
Lot ID: 2576825
Date Received : Sep 24, 2025
Date Reported : Oct 01, 2025
Report unbr Wbr : 34184-4N

gpf e 1 uel3

Sample Number 257-525N
Sampled Date Sep 24, 2025 11:12 Ak
Sample Description Smface H ater
Location คลองน้ำพอง บริเวณท่าเรือ โรงงานอุตสาหกรรม (SH 4)
Date Analysis Commenced Sep 24, 2025
Condition of Sample , obtained in two flass vials, two BOD Wtities and seven plastic Wtities, sab ple containers cob ply to pretreatb ent Npreservation standards (AgEA, USI gh)
Physical Property Yellow, odourless, sob e solid and tmWd

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
^(A) Arsenic	b f/M	0.0003	0.0005	0.003	≤0.01	≤0.01	Standard k ePhds for the 1xab ination o6H ater and H asterwater, AgEA, AH A & H IF, 24P ed, 2023, part 3125 B,3030 F	Barf hoh
^(A) . ad6 imb	b f/M	0.0003	0.0005	uot Detected	≤0.005	≤0.005	Standard k ePhds for the 1xab ination o6H ater and H asterwater, AgEA, AH A & H IF, 24P ed, 2023, part 3125 B,3030 F	Barf hoh
^(A) . opper	b f/M	0.0003	0.0005	0.000-	≤0.10	≤0.10	Standard k ePhds for the 1xab ination o6H ater and H asterwater, AgEA, AH A & H IF, 24P ed, 2023, part 3125 B,3030 F	Barf hoh
^(A) Exavalent . Prob imb	b f/M	0.003	0.01	uot Detected	≤0.05	≤0.05	Standard k ePhds for the 1xab ination o6H ater and H asterwater, AgEA, AH A & H IF, 24P ed, 2023, part 3500N r B	Barf hoh
^(A) Mead	b f/M	0.0003	0.0005	0.0010	≤0.05	≤0.05	Standard k ePhds for the 1xab ination o6H ater and H asterwater, AgEA, AH A & H IF, 24P ed, 2023, part 3125 B,3030 F	Barf hoh
^(A) k anf anese	b f/M	0.0003	0.0005	0.073	≤1	≤1	Standard k ePhds for the 1xab ination o6H ater and H asterwater, AgEA, AH A & H IF, 24P ed, 2023, part 3125 B,3030 F	Barf hoh
^(A) k ermy	b f/M	0.0001	0.0005	uot Detected	≤0.002	≤0.002	QWfones b ePhd : STK OSN07 Based on United States I nvironb ental protection Af eney, 2002, 1gk ePhd 1-31, Revision 1	Barf hoh

Results apply to the sab pho(s) as subd, unless the sab plrf was conducted W
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S:\Report\AL_2576825 (7-51p)



Analysis / Test Report

Client : H E A I a s t e r n S e a W a r d I n d u s t r i a l I s t a t e 4 . o . o l , M d l .
121 k o o 3 , T a b W i k a a e n a b h o o , A b p i m g l i m h d e e n f , R a y o n f T P a i l a n d 21140
P/O :
Project Name : k o n i t o r i n f
Project Location : H E A I S Q 4

TESTING
No.0042
Lot ID: 2576525
Date Received : Sep 24, 2025
Date Reported : Oct 01, 2025
Report unbr Wbr : 34184-4N

gpf e 2 u63

Sample Number 257-525N
Sampled Date Sep 24, 2025 11:12 Ak
Sample Description Smfice H ater
Location คลองน้ำไหล จุฬาราชมนตรีจังหวัดสงขลา (SH 4)
Date Analysis Commenced Sep 24, 2025
Condition of Sample , obtained in two flass vials, two BOD Vettles and seven plastic Vettles, sab ple containers cob ply to pretreatb ent Npreservation standards (AgEA, USI gA)
Physical Property Yellow, odormless, sab e solid and tmWd

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
^(A) Lichel	b f/M	0.0003	0.0005	0.002	≤0.10	≤0.10	Standard k ePhds for tPe 1xab ination o6H ater and H asterwater,AgEA, AH H A & H I F, 24P ed, 2023, part 3125 B,3030 F	Bayf hoh
^(A) Gnc	b f/M	0.0003	0.0005	0.005	≤1	≤1	Standard k ePhds for tPe 1xab ination o6H ater and H asterwater,AgEA, AH H A & H I F, 24P ed, 2023, part 3125 B,3030 F	Bayf hoh
Microbiological Testing								
^(A) Fecal . oiforb	k gu/100b M	N	N	7200	≤4000	uo Standard	Standard k ePhds for tPe 1xab ination o6H ater and H asterwater,AgEA, AH H A & H I F, 24P ed, 2023, part 2221 B, I	Bayf hoh
^(A) Total . oiforb	k gu/100b M	N	N	17000	≤20000	uo Standard	Standard k ePhds for tPe 1xab ination o6H ater and H asterwater,AgEA, AH H A & H I F, 24P ed, 2023, part 2221 B	Bayf hoh
Water Testing								
BOD *	b f/M	N	2	<20	≤2	≤4	Standard k ePhds for tPe 1xab ination o6H ater and H asterwater,AgEA, AH H A & H I F, 24P ed, 2023, part 5210 B, part 4500 NO	Rayonf
. yanide as . u	b f/M	0.0001	0.0005	uot Detected	≤0.005	≤0.005	Standard k ePhds for tPe 1xab ination o6H ater and H asterwater,AgEA, AH H A & H I F, 24P ed, 2023, part 4500N (.)	Rayonf
Dissolved Oxy en *	b f/M	N	0.1	5.8	≥4	≥2	Standard k ePhds for tPe 1xab ination o6H ater and H asterwater,AgEA, AH H A & H I F, 24P ed, 2023, part 4500ND (.)	Rayonf

Results apply to the sab pN(s) as with this, unless the sab pNf was conducted W
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Analysis / Test Report

Client : H E A I a s t e r n S e a W a r d I n d u s t r i a l I s t a t e 4 . o . o l , M d l .
121 k o o 3 , T a b W i k a a e n a b h o o , A b p i m g l i m h d e e n f , R a y o n f T P a i l a n d 21140
P/O :
Project Name : k o n i t o r i n f
Project Location : H E A I S Q 4

TESTING
No.0042
Lot ID: 2576525
Date Received : Sep 24, 2025
Date Reported : Oct 01, 2025
Report unbr Wbr : 34184-4N

gpf e 3 u63

Sample Number 257-525N
Sampled Date Sep 24, 2025 11:12 Ak
Sample Description Smfice H ater
Location คลองน้ำไหล จุฬาราชมนตรีจังหวัดสงขลา (SH 4)
Date Analysis Commenced Sep 24, 2025
Condition of Sample , obtained in two flass vials, two BOD Vettles and seven plastic Vettles, sab ple containers cob ply to pretreatb ent Npreservation standards (AgEA, USI gA)
Physical Property Yellow, odormless, sab e solid and tmWd

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Fluoride	b f/M	N	0.2	0.2	uo Standard	uo Standard	Standard k ePhds for tPe 1xab ination o6H ater and H asterwater,AgEA, AH H A & H I F, 24P ed, 2023, part 4500NF (.)	Rayonf
ultrate as u *	b f/M	0.015	0.05	0.24	≤5	≤5	Standard k ePhds for tPe 1xab ination o6H ater and H asterwater,AgEA, AH H A & H I F, 24P ed, 2023, part 4500NE C3 (.)	Rayonf
pE at 25 defree .	N	N	-18	5.0ND	5.0ND		Standard k ePhds for tPe 1xab ination o6H ater and H asterwater,AgEA, AH H A & H I F, 24P ed, 2023, part 4500 NE (B)	Rayonf
gPenol *	b f/M	0.0005	0.001	0.004	≤0.005	≤0.005	Standard k ePhds for tPe 1xab ination o6H ater and H asterwater,AgEA, AH H A & H I F, 24P ed, 2023, part 5530 B, D	Rayonf

Guideline : (1) uotification of tPe uational I n v i r o n m e n t a l B o a r d , u o l 8 , B U I 2537 I s s u e d m d e r t h e I n P l a n c e b e n t a n d . o b s e r v a t i o n o b s e r v a t i o n a l I n v i r o n m e n t a l Q u a l i t y A c t . B U I 2535 , p m W e p e d i n t h e R o y a l _ o v e r n m e n t _ a z e t t l e , V o l l . 1 1 1 , g a r t 1 - , D a t e d F e l W m a y 24 , B U I 2537 (. l a s s 3)
(2) uotification of tPe uational I n v i r o n m e n t a l B o a r d , u o l 8 , B U I 2537 I s s u e d m d e r t h e I n P l a n c e b e n t a n d . o b s e r v a t i o n o b s e r v a t i o n a l I n v i r o n m e n t a l Q u a l i t y A c t . B U I 2535 , p m W e p e d i n t h e R o y a l _ o v e r n m e n t _ a z e t t l e , V o l l . 1 1 1 , g a r t 1 - , D a t e d F e l W m a y 24 , B U I 2537 (. l a s s 4)
(a) uot . P a n f e b r o b n a t m a l c o n d i t i o n
(V) u o n O V J e c t i o n a l l e
(c) . P a n f e b r o b u a t m a l c o n d i t i o n n o t b o r e t h a n 3 d e f r e e .

Sampling By : g h o n f t h e p S i t t h i l o p

Reb an h :

- RQD : N b i t o f D e t e c t i o n
- " < " : N e w e r t h a n M Q (N b i t o f Q u a n t i t a t i o n) / M O R (N b i t o f R e p o r t i n f)
- A n a l y t e (s) b a r t e d * i s / a r e n o t i n c l u d e d i n s c o p e o f A c c r e d i t a t i o n C S Q / C . 1702SL
-
- S a b p l i n f i s n o t i n c l u d e d i n s c o p e o f a c c r e d i t a t i o n C S Q / C . 1702S

Results apply to the sab pN(s) as with this, unless the sab pNf was conducted W
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Analysis / Test Report

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121 k o o 3 , T a b W i k a a e n a b h o o , A b p i m g l i m h d e e n f , R a y o n f T P a i l a n d 21140
P/O :
Project Name : k o n i t o r i n f
Project Location : H E A I S Q 4

TESTING
No.0042
Lot ID: 2576525
Date Received : Sep 24, 2025
Date Reported : Oct 01, 2025
Report unbr Wbr : 34184-4N

gpf e 1 u61

Sample Number 257-525N
Sampled Date Sep 24, 2025 11:12 Ak
Sample Description Smfice H ater
Location คลองน้ำไหล จุฬาราชมนตรีจังหวัดสงขลา (SH 4)
Date Analysis Commenced Sep 25, 2025
Condition of Sample , obtained in two flass vials, two BOD Vettles and seven plastic Vettles, sab ple containers cob ply to pretreatb ent Npreservation standards (AgEA, USI gA)
Physical Property Yellow, odormless, sab e solid and tmWd

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Ab b o n i a u t r o f e n	b f/M	0.02	0.05	0.7	≤0.5	≤0.5	Standard k ePhds for tPe 1xab ination o6H ater and H asterwater,AgEA, AH H A & H I F, 24P ed, 2023, part 4500NE3 (F)	Rayonf

Guideline : (1) uotification of tPe uational I n v i r o n m e n t a l B o a r d , u o l 8 , B U I 2537 I s s u e d m d e r t h e I n P l a n c e b e n t a n d . o b s e r v a t i o n o b s e r v a t i o n a l I n v i r o n m e n t a l Q u a l i t y A c t . B U I 2535 , p m W e p e d i n t h e R o y a l G o v e r n m e n t G a z e t t e , V o l l . 1 1 1 , g a r t 1 - , D a t e d F e l W m a y 24 , B U I 2537 (. l a s s 3)
(2) uotification of tPe uational I n v i r o n m e n t a l B o a r d , u o l 8 , B U I 2537 I s s u e d m d e r t h e I n P l a n c e b e n t a n d . o b s e r v a t i o n o b s e r v a t i o n a l I n v i r o n m e n t a l Q u a l i t y A c t . B U I 2535 , p m W e p e d i n t h e R o y a l G o v e r n m e n t G a z e t t e , V o l l . 1 1 1 , g a r t 1 - , D a t e d F e l W m a y 24 , B U I 2537 (. l a s s 4)
(a) uot . P a n f e b r o b n a t m a l c o n d i t i o n
(V) u o n O V J e c t i o n a l l e
(c) . P a n f e b r o b u a t m a l c o n d i t i o n n o t b o r e t h a n 3 d e f r e e .

Sampling W : g h o n f t h e p S i t t h i l o p

- Reb an h :
- RQD : N b i t o f D e t e c t i o n
 - " < " : N e w e r t h a n M Q (N b i t o f Q u a n t i t a t i o n) / M O R (N b i t o f R e p o r t i n f)

Results apply to the sab pN(s) as with this, unless the sab pNf was conducted W
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Analysis / Test Report

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121 k o o 3 , T a b W i k a a e n a b h o o , A b p i m g l i m h d e e n f , R a y o n f T P a i l a n d 21140
P/O :
Project Name : k o n i t o r i n f
Project Location : H E A I S Q 4

TESTING
No.0042
Lot ID: 2576525
Date Received : Sep 24, 2025
Date Reported : Oct 01, 2025
Report unbr Wbr : 34184-4N

gpf e 1 u63

Sample Number 257-525N
Sampled Date Sep 24, 2025 2:50 gk
Sample Description Smfice H ater
Location คลองน้ำไหล จุฬาราชมนตรีจังหวัดสงขลา 500 เมตร (SH 5)
Date Analysis Commenced Sep 24, 2025
Condition of Sample , obtained in two flass vials, two BOD Vettles and seven plastic Vettles, sab ple containers cob ply to pretreatb ent Npreservation standards (AgEA, USI gA)
Physical Property Yellow, sab e odorm, s o l i d a n d t m W d

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
^(A) Arsenic	b f/M	0.0003	0.0005	0.003	≤0.01	≤0.01	Standard k ePhds for tPe 1xab ination o6H ater and H asterwater,AgEA, AH H A & H I F, 24P ed, 2023, part 3125 B,3030 F	Bayf hoh
^(A) . a d b i m b	b f/M	0.0003	0.0005	uot Detected	≤0.005	≤0.005	Standard k ePhds for tPe 1xab ination o6H ater and H asterwater,AgEA, AH H A & H I F, 24P ed, 2023, part 3125 B,3030 F	Bayf hoh
^(A) . o p p e r	b f/M	0.0003	0.0005	0.0009	≤0.10	≤0.10	Standard k ePhds for tPe 1xab ination o6H ater and H asterwater,AgEA, AH H A & H I F, 24P ed, 2023, part 3125 B,3030 F	Bayf hoh
^(A) E x a v a n t . P r o b i m b	b f/M	0.003	0.01	uot Detected	≤0.05	≤0.05	Standard k ePhds for tPe 1xab ination o6H ater and H asterwater,AgEA, AH H A & H I F, 24P ed, 2023, part 3500N r B	Bayf hoh
^(A) M e a d	b f/M	0.0003	0.0005	0.002	≤0.05	≤0.05	Standard k ePhds for tPe 1xab ination o6H ater and H asterwater,AgEA, AH H A & H I F, 24P ed, 2023, part 3125 B,3030 F	Bayf hoh
^(A) k a n f a n e s e	b f/M	0.0003	0.0005	0.7	≤1	≤1	Standard k ePhds for tPe 1xab ination o6H ater and H asterwater,AgEA, AH H A & H I F, 24P ed, 2023, part 3125 B,3030 F	Bayf hoh
^(A) k e r c m y	b f/M	0.0001	0.0005	uot Detected	≤0.002	≤0.002	Q u o r n e s k e P h d : S T K O S N 07 W e s e d o n U n i t e d S t a t e s I n v i r o n m e n t p r o t e c t i o n A f e n c y , 2002 , I g k e P h d 1 - 3 1 , R e v i s i o n 1	Bayf hoh

Results apply to the sab pN(s) as with this, unless the sab pNf was conducted W
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of the Laboratory.

Approved by

Jitsupa P.

Stompa grahnaf snh
Scientist (2)

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S:\Report\AL_2024\ (755ip)



Analysis / Test Report

Client : H E A Eastern SeaWard Gndmtrial Estate 4 . ol, Mdl.
121 k oo 3, Tab Wl k aenab hoo, Ab pPm glmhdeanf , Rayonf TPailand 21140
P/O :
Project Name : k onitorinf
Project Location : H EA ISQ 4

TESTING
No.0042
Lot ID: 2576525
Date Received : Sep 24, 2025
Date Reported : Oct 01, 2025
Report unbr Wbr : 34184-SN

gpf e 2 od3

Sample Number 257-525N2
Sampled Date Sep 24, 2025 2:50 gk
Sample Description Smfance H ater
Location คลาสจําหนัดจตุรบรรณารักษ์ 500 เมตร (SH5)
Date Analysis Commenced Sep 24, 2025
Condition of Sample , obtained in two flass vials, two BOD Wettes and seven plastic Wettes, sab ple containers cob ply to pretreatb ent Npreservation standards (AgEA, USI gA)
Physical Property Yellow, sab e odomy, solid and trmWd

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
^(A) Mchcl	b f/M	0.0003	0.0005	0.002	≤0.10	≤0.10	Standard k etHods for the 1xab ination o6H ater and H astewater,AgEA, AH H A & H IF, 24P ed, 2023, part 3125 B,3030 F	Rayonf
^(A) Zinc	b f/M	0.0003	0.0005	0.005	≤1	≤1	Standard k etHods for the 1xab ination o6H ater and H astewater,AgEA, AH H A & H IF, 24P ed, 2023, part 3125 B,3030 F	Rayonf
Microbiological Testing								
^(A) Fecal . olibrio	k gu/100b M	N	N	4900	≤4000	uo Standard	Standard k etHods for the 1xab ination o6H ater and H astewater,AgEA, AH H A & H IF, 24P ed, 2023, part 9221 B, I	Rayonf
^(A) Total . olibrio	k gu/100b M	N	N	24000	≤20000	uo Standard	Standard k etHods for the 1xab ination o6H ater and H astewater,AgEA, AH H A & H IF, 24P ed, 2023, part 9221 B	Rayonf
Water Testing								
. yanide as . u	b f/M	0.001	0.005	* 0.005	≤0.005	≤0.005	Standard k etHods for the 1xab ination o6H ater and H astewater,AgEA, AH H A & H IF, 24P ed, 2023, part 4500N (. , 1)	Rayonf
Dissolved Oxyf en <	b f/M	N	0.1	<1	≥4	≥2	Standard k etHods for the 1xab ination o6H ater and H astewater,AgEA, AH H A & H IF, 24P ed, 2023, part 4500N (. , 1)	Rayonf
Flmride	b f/M	N	0.2	0.3	uo Standard	uo Standard	Standard k etHods for the 1xab ination o6H ater and H astewater,AgEA, AH H A & H IF, 24P ed, 2023, part 4500N (. , 1)	Rayonf

Results apply to the sab pH(A) as with that, unless the sab pH is conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Jitsupa P.

Jitsupa grahm/srh
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ISSUE: 14 JAN

S:\Report\AL_2576525 (7.5Gp)



Analysis / Test Report

Client : H E A Eastern SeaWard Gndmtrial Estate 4 . ol, Mdl.
121 k oo 3, Tab Wl k aenab hoo, Ab pPm glmhdeanf , Rayonf TPailand 21140
P/O :
Project Name : k onitorinf
Project Location : H EA ISQ 4

TESTING
No.0042
Lot ID: 2576525
Date Received : Sep 24, 2025
Date Reported : Oct 01, 2025
Report unbr Wbr : 34184-SN

gpf e 3 od3

Sample Number 257-525N2
Sampled Date Sep 24, 2025 2:50 gk
Sample Description Smfance H ater
Location คลาสจําหนัดจตุรบรรณารักษ์ 500 เมตร (SH5)
Date Analysis Commenced Sep 24, 2025
Condition of Sample , obtained in two flass vials, two BOD Wettes and seven plastic Wettes, sab ple containers cob ply to pretreatb ent Npreservation standards (AgEA, USI gA)
Physical Property Yellow, sab e odomy, solid and trmWd

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
ultrate as u <	b f/M	0.0015	0.005	1.22	≤5	≤5	Standard k etHods for the 1xab ination o6H ater and H astewater,AgEA, AH H A & H IF, 24P ed, 2023, part 4500N O3 (1)	Rayonf
pE at 25 def ree .	N	N	N	7.11	5.00	5.00	Standard k etHods for the 1xab ination o6H ater and H astewater,AgEA, AH H A & H IF, 24P ed, 2023, part 4500N E (B)	Rayonf
gPenol <	b f/M	0.0005	0.001	0.003	≤0.005	≤0.005	Standard k etHods for the 1xab ination o6H ater and H astewater,AgEA, AH H A & H IF, 24P ed, 2023, part 5530 B, D	Rayonf
Guideline : (1) ublication o6Pe uational I nviron ental Board, uol.8, BU L2537 Issued mder the I nPancb ent and ., oservation o6uational I nviron ental Quality Act. BU L2535, pmWshPd in the Royal Goveb ent Gazette, Vol.111, part 1-, Dated FeWmary 24, BU L2537 (. lass 3) (2) ublication o6Pe uational I nviron ental Board, uol.8, BU L2537 Issued mder the I nPancb ent and ., oservation o6uational I nviron ental Quality Act. BU L2535, pmWshPd in the Royal Goveb ent Gazette, Vol.111, part 1-, Dated FeWmary 24, BU L2537 (. lass 4) (a) uot . Panf e Grob . natmal condition (b) uon OJflectionaWe (c) . Panf e Grob . natmal condition not b ore than 3 def ree .								

Sampling W : gPonf thep SittPldP

Reb arh :

- HQD : Mb it of Detection
- " " : Newer than HQD (Mb it of Quantitation) / HQD (Mb it of Reportinf)
- Analyte(s) b arked < is/are not included in scope of Accreditation ISO/IEC 17025.
- Sab pH inf is not included in scope of accreditation ISO/IEC 17025

Results apply to the sab pH(A) as with that, unless the sab pH is conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

Client : H E A Eastern SeaWard Gndmtrial Estate 4 . ol, Mdl.
121 k oo 3, Tab Wl k aenab hoo, Ab pPm glmhdeanf , Rayonf TPailand 21140
P/O :
Project Name : k onitorinf
Project Location : H EA ISQ 4

TESTING
No.0042
Lot ID: 2576525
Date Received : Sep 24, 2025
Date Reported : Oct 01, 2025
Report unbr Wbr : 34184-SN

gpf e 1 od1

Sample Number 257-525N2
Sampled Date Sep 24, 2025 2:50 gk
Sample Description Smfance H ater
Location คลาสจําหนัดจตุรบรรณารักษ์ 500 เมตร (SH5)
Date Analysis Commenced Sep 25, 2025
Condition of Sample , obtained in two flass vials, two BOD Wettes and seven plastic Wettes, sab ple containers cob ply to pretreatb ent Npreservation standards (AgEA, USI gA)
Physical Property Yellow, sab e odomy, solid and trmWd

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Ab b onia ultrif on	b f/M	0.002	0.005	0.055	≤0.05	≤0.05	Standard k etHods for the 1xab ination o6H ater and H astewater,AgEA, AH H A & H IF, 24P ed, 2023, part 4500N E3 (F)	Rayonf
BOD	b f/M	N	2	2L	≤2	≤4	Standard k etHods for the 1xab ination o6H ater and H astewater,AgEA, AH H A & H IF, 24P ed, 2023, part 5210 B, part 4500 NQ	Rayonf

Guideline : (1) ublication o6Pe uational I nviron ental Board, uol.8, BU L2537 Issued mder the I nPancb ent and ., oservation o6uational I nviron ental Quality Act. BU L2535, pmWshPd in the Royal Goveb ent Gazette, Vol.111, part 1-, Dated FeWmary 24, BU L2537 (. lass 3)
(2) ublication o6Pe uational I nviron ental Board, uol.8, BU L2537 Issued mder the I nPancb ent and ., oservation o6uational I nviron ental Quality Act. BU L2535, pmWshPd in the Royal Goveb ent Gazette, Vol.111, part 1-, Dated FeWmary 24, BU L2537 (. lass 4)
(a) uot . Panf e Grob . natmal condition
(b) uon OJflectionaWe
(c) . Panf e Grob . natmal condition not b ore than 3 def ree .

Sampling W : gPonf thep SittPldP

Reb arh :

- HQD : Mb it of Detection
- " " : Newer than HQD (Mb it of Quantitation) / HQD (Mb it of Reportinf)

Results apply to the sab pH(A) as with that, unless the sab pH is conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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ISSUE: 14 JAN

S:\Report\AL_2576525 (7.5Gp)



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 25105829
Date Received : Dec 12, 2025
Date Reported : Dec 20, 2025
Report Number : 3452970-1

Page 1 of 9

Sample Number 25105829-1
Sampled Date Dec 12, 2025 1:55 PM
Sample Description Surface Water
Location คลาสจําหนัดจตุรบรรณารักษ์ 500 เมตร (SW1)
Date Analysis Commenced Dec 12, 2025
Condition of Sample Contained in two BOD bottles, two glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
^(A) Arsenic	mg/L	0.0003	0.0005	0.001	≤0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
^(A) Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
^(A) Copper	mg/L	0.0003	0.0005	0.0008	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
^(A) Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3500-Cr B	Bangkok
^(A) Lead	mg/L	0.0003	0.0005	0.0008	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
^(A) Manganese	mg/L	0.0003	0.0005	0.13	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
^(A) Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Photchana S.

Photchana Seda
Scientist (4)

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S:\Report\AL_25105829 (2.2799)



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phusadeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 25105829
Date Received : Dec 12, 2025
Date Reported : Dec 20, 2025
Report Number : 3452970-1

Page 2 of 9

Sample Number 25105829-1
Sampled Date Dec 12, 2025 1:55 PM
Sample Description Surface Water
Location คลองปล่อยน้ำจากถังบำบัดน้ำเสียโรงกรอง 500 เมตร (SW1)
Date Analysis Commenced Dec 12, 2025
Condition of Sample Contained in two BOD bottles, two glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
^(A) Nickel	mg/L	0.0003	0.0005	0.0009	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
^(A) Zinc	mg/L	0.003	0.005	0.010	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Microbiological Testing								
^(A) Fecal Coliform	MPN/100mL	-	-	1700.0	≤4000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Bangkok
^(A) Total Coliform	MPN/100mL	-	-	7000.0	≤20000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Bangkok
Water Testing								
Ammonia Nitrogen *	mg/L	0.02	0.05	<0.05	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (F)	Rayong
BOD *	mg/L	-	2	<2.0	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O C	Rayong
Cyanide as CN	mg/L	0.001	0.005	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-CN (C, E)	Rayong

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Approved by

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Photchanas Seeda
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S:\Report\AL_25105829 (2.2779)



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phusadeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 25105829
Date Received : Dec 12, 2025
Date Reported : Dec 20, 2025
Report Number : 3452970-1

Page 3 of 9

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Dissolved Oxygen *	mg/L	-	0.1	8.0	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Fluoride	mg/L	-	0.2	<0.2	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-F (C)	Rayong
Nitrate as N *	mg/L	0.015	0.05	1.08	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong
pH at 25 degree C	-	-	-	7.2	5.0-9.0	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	<0.001	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5530 B, D	Rayong

Guideline : (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act, B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act, B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
(a) Not Change from natural condition
(b) Non Objectionable
(c) Change from Natural condition not more than 3 degree C

Sampling By : Anan Changsema

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Photchanas Seeda
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S:\Report\AL_25105829 (2.2779)



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phusadeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 25105829
Date Received : Dec 12, 2025
Date Reported : Dec 20, 2025
Report Number : 3452970-1

Page 4 of 9

Sample Number 25105829-2
Sampled Date Dec 12, 2025 2:07 PM
Sample Description Surface Water
Location คลองปล่อยน้ำจากถังบำบัดน้ำเสียโรงกรอง (SW2)
Date Analysis Commenced Dec 12, 2025
Condition of Sample Contained in two BOD bottles, two glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
^(A) Arsenic	mg/L	0.0003	0.0005	0.003	≤0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
^(A) Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
^(A) Copper	mg/L	0.0003	0.0005	0.001	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
^(A) Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3500-Cr 8	Bangkok
^(A) Lead	mg/L	0.0003	0.0005	<0.0005	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
^(A) Manganese	mg/L	0.0003	0.0005	0.07	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
^(A) Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Photchanas Seeda
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S:\Report\AL_25105829 (2.2779)



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Phusadeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 25105829
Date Received : Dec 12, 2025
Date Reported : Dec 20, 2025
Report Number : 3452970-1

Page 5 of 9

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
^(A) Nickel	mg/L	0.0003	0.0005	0.007	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
^(A) Zinc	mg/L	0.003	0.005	0.01	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Microbiological Testing								
^(A) Fecal Coliform	MPN/100mL	-	-	240.0	≤4000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Bangkok
^(A) Total Coliform	MPN/100mL	-	-	490.0	≤20000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Bangkok
Water Testing								
BOD *	mg/L	-	2	<2.0	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O C	Rayong
Cyanide as CN	mg/L	0.001	0.005	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-CN (C, E)	Rayong
Dissolved Oxygen *	mg/L	-	0.1	6.9	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Puakdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 25105829
Date Received : Dec 12, 2025
Date Reported : Dec 20, 2025
Report Number : 3452970-1

Page 6 of 9

Sample Number 25105829-2
Sampled Date Dec 12, 2025 2:07 PM
Sample Description Surface Water
Location คลองน้ำผำ บริเวณท่าเรือฯ หลังอาคาร 500 เมตร (SW2)
Date Analysis Commenced Dec 12, 2025
Condition of Sample Contained in two BOD bottles, two glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Fluoride	mg/L	-	0.2	2.2	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-F (C)	Rayong
Nitrate as N *	mg/L	0.015	0.05	3.29	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong
pH at 25 degree C	-	-	-	7.7	5.0-9.0	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5530 B, D	Rayong

Guideline : (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
(a) Not Change from natural condition
(b) Non Objectable
(c) Change from Natural condition not more than 3 degree C

Sampling By : Anan Chgensena

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
-
- Sampling is not included in scope of accreditation ISO/IEC 17025

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Puakdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 25105829
Date Received : Dec 12, 2025
Date Reported : Dec 20, 2025
Report Number : 3452970-1

Page 7 of 9

Sample Number 25105829-3
Sampled Date Dec 12, 2025 2:20 PM
Sample Description Surface Water
Location คลองน้ำผำ บริเวณท่าเรือฯ หลังอาคาร 500 เมตร (SW3)
Date Analysis Commenced Dec 12, 2025
Condition of Sample Contained in two BOD bottles, two glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
^(A) Arsenic	mg/L	0.0003	0.0005	0.003	≤0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
^(A) Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
^(A) Copper	mg/L	0.0003	0.0005	0.001	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
^(A) Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3500-Cr B	Bangkok
^(A) Lead	mg/L	0.0003	0.0005	Not Detected	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
^(A) Manganese	mg/L	0.0003	0.0005	0.08	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
^(A) Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Puakdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 25105829
Date Received : Dec 12, 2025
Date Reported : Dec 20, 2025
Report Number : 3452970-1

Page 8 of 9

Sample Number 25105829-3
Sampled Date Dec 12, 2025 2:20 PM
Sample Description Surface Water
Location คลองน้ำผำ บริเวณท่าเรือฯ หลังอาคาร 500 เมตร (SW3)
Date Analysis Commenced Dec 12, 2025
Condition of Sample Contained in two BOD bottles, two glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
^(A) Nickel	mg/L	0.0003	0.0005	0.006	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
^(A) Zinc	mg/L	0.003	0.005	0.01	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Microbiological Testing								
^(A) Fecal Coliform	MPN/100mL	-	-	170.0	≤4000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Bangkok
^(A) Total Coliform	MPN/100mL	-	-	700.0	≤20000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Bangkok
Water Testing								
BOD *	mg/L	-	2	<2.0	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O C	Rayong
Cyanide as CN	mg/L	0.001	0.005	<0.005	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-CN (C, E)	Rayong
Dissolved Oxygen *	mg/L	-	0.1	7.6	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Puakdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 25105829
Date Received : Dec 12, 2025
Date Reported : Dec 20, 2025
Report Number : 3452970-1

Page 9 of 9

Sample Number 25105829-3
Sampled Date Dec 12, 2025 2:20 PM
Sample Description Surface Water
Location คลองน้ำผำ บริเวณท่าเรือฯ หลังอาคาร 500 เมตร (SW3)
Date Analysis Commenced Dec 12, 2025
Condition of Sample Contained in two BOD bottles, two glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Fluoride	mg/L	-	0.2	2.0	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-F (C)	Rayong
Nitrate as N *	mg/L	0.015	0.05	3.38	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong
pH at 25 degree C	-	-	-	7.6	5.0-9.0	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5530 B, D	Rayong

Guideline : (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
(a) Not Change from natural condition
(b) Non Objectable
(c) Change from Natural condition not more than 3 degree C

Sampling By : Anan Chgensena

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
-
- Sampling is not included in scope of accreditation ISO/IEC 17025

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Photchanas Seeds
Scientist (4)

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Puakdaeng, Rayong Thailand 21140
PJO : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 25105829
Date Received : Dec 12, 2025
Date Reported : Dec 20, 2025
Report Number : 3452970-2

Page 1 of 2

Sample Number 25105829-2
Sampled Date Dec 12, 2025 2:07 PM
Sample Description Surface Water
Location คลองน้ำดิบในบริเวณพื้นที่ SW2
Date Analysis Commenced Dec 15, 2025
Condition of Sample Contained in two BOD bottles, two glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Ammonia Nitrogen	mg/L	0.02	0.05	20.5	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (F)	Rayong

Guideline : (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act, B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act, B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
(a) Not Change from natural condition
(b) Non Objectionable
(c) Change from Natural condition not more than 3 degree C

Sampling By : Anan Changsena

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Puakdaeng, Rayong Thailand 21140
PJO : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 25105829
Date Received : Dec 12, 2025
Date Reported : Dec 20, 2025
Report Number : 3452970-2

Page 2 of 2

Sample Number 25105829-3
Sampled Date Dec 12, 2025 2:20 PM
Sample Description Surface Water
Location คลองน้ำดิบในบริเวณพื้นที่ SW3
Date Analysis Commenced Dec 15, 2025
Condition of Sample Contained in two BOD bottles, two glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Ammonia Nitrogen	mg/L	0.02	0.05	19.2	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (F)	Rayong

Guideline : (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act, B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act, B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
(a) Not Change from natural condition
(b) Non Objectionable
(c) Change from Natural condition not more than 3 degree C

Sampling By : Anan Changsena

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

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ภาคผนวก ค-7

ผลการตรวจวิเคราะห์คุณภาพน้ำทิ้ง
จากระบบบำบัดน้ำเสียส่วนกลาง

น้ำเสียก่อนเข้าระบบบำบัดน้ำเสียส่วนกลาง (Influent)



Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 2557412
Date Received : Jul 04, 2025
Date Reported : Jul 11, 2025
Report Number : 3335429-1

Page 1 of 3

Sample Number 2557412-1
Sampled Date Jul 04, 2025 10:10 AM
Sample Description Wastewater
Location WHA ESIE4 : Influent
Date Analysis Commenced Jul 04, 2025
Condition of Sample Contained in two glass vials, one amber glass bottle and eight plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	31.9	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O	Rayong
COD	mg/L	1.5	25	67	≤400	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	39	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	36	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Cyanide as HCN	mg/L	0.001	0.005	Not Detected	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-CN (C, E)	Rayong
Formaldehyde	mg/L	0.03	0.1	Not Detected	≤1	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed., 2004	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C	-	-	-	8.0	6.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Technical Management

Jitsupa P.

Jitsupa Prathangsuak
Scientist (2)
หมายเลขโทรศัพท์ 3323-0-0004

Approved by

D. Chongchon

Dej Changchon
Senior Manager
หมายเลขโทรศัพท์ 3323-0-0001

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5/Report/AL_GL-01 (3.01PR)



Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 2557412
Date Received : Jul 04, 2025
Date Reported : Jul 11, 2025
Report Number : 3335429-1

Page 2 of 3

Sample Number 2557412-1
Sampled Date Jul 04, 2025 10:10 AM
Sample Description Wastewater
Location WHA ESIE4 : Influent
Date Analysis Commenced Jul 04, 2025
Condition of Sample Contained in two glass vials, one amber glass bottle and eight plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Phenol	mg/L	0.005	0.01	Not Detected	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5530 B, D	Rayong
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (F)	Rayong
Sulfide *	mg/L	-	0.5	<0.5	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)	Rayong
Temperature *	Degree C	-	-	30.6	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	576	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	24.7	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NWS (2)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	30	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Amendment details report of Environmental Impact Assessment Report of WHA Eastern Seaboard Industrial Estate 4, October 2024.

Sampling By : Narurat thammassaro หมายเลขโทรศัพท์ 3323-0-0052, Akkarin Budsaktee หมายเลขโทรศัพท์ 3323-0-0196

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Technical Management

Jitsupa P.

Jitsupa Prathangsuak
Scientist (2)
หมายเลขโทรศัพท์ 3323-0-0004

Approved by

D. Chongchon

Dej Changchon
Senior Manager
หมายเลขโทรศัพท์ 3323-0-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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5217-052 (ENGL)

5/Report/AL_GL-01 (3.01PR)



Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 2557412
Date Received : Jul 04, 2025
Date Reported : Jul 11, 2025
Report Number : 3335429-1

Page 3 of 3

- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management

Jitsupa P.

Jitsupa Prathangsuak
Scientist (2)
หมายเลขโทรศัพท์ 3323-0-0004

Approved by

D. Chongchon

Dej Changchon
Senior Manager
หมายเลขโทรศัพท์ 3323-0-0001

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5217-052 (ENGL)

5/Report/AL_GL-01 (3.01PR)



Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 2557412
Date Received : Jul 04, 2025
Date Reported : Jul 12, 2025
Report Number : 3335429-2

Page 1 of 2

Sample Number 2557412-1
Sampled Date Jul 04, 2025 10:10 AM
Sample Description Wastewater
Location WHA ESIE4 : Influent
Date Analysis Commenced Jul 07, 2025
Condition of Sample Contained in two glass vials, one amber glass bottle and eight plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.005	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.08	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.004	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3500-Cr B	Bangkok
Lead	mg/L	0.0003	0.0005	0.0006	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.16	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Technical Management

Savitree N.

Savitree Naisangiam
Manager
หมายเลขโทรศัพท์ 3323-0-0007

Approved by

Kanokorn Anek

Assistant General Manager
หมายเลขโทรศัพท์ 3323-0-0004

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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5217-052 (ENGL)

5/Report/AL_GL-01 (3.01PR)



Analysis / Test Report

TESTING

No.0009

Lot ID: 2557412

Date Received : Jul 04, 2025

Date Reported : Jul 12, 2025

Report Number : 3335429-2

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Plaakdaeng, Rayong Thailand 21140

P/O :

Project Name :

Project Location : WHA ESIE 4

Sample Number 2557412-1
Sampled Date Jul 04, 2025 10:10 AM
Sample Description Wastewater
Location WHA ESIE4 : Influent
Date Analysis Commenced Jul 07, 2025
Condition of Sample Contained in two glass vials, one amber glass bottle and eight plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Page 2 of 2

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Mercury *	mg/L	0.0001	0.0005	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3112	Bangkok
Nickel	mg/L	0.0003	0.0005	0.01	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	<0.0005	≤0.02	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	≤0.75	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.07	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Amendment details report of Environmental Impact Assessment Report of WHA Eastern Seaboard Industrial Estate 4, October 2024.

Sampling By : Narunat thamasaro เสร็จสิ้นการตรวจวัดน้ำ 323-4-0052, Akkarn Budsaktee เสร็จสิ้นการตรวจวัดน้ำ 204-4-0196

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management

Savitree N.
Savitree Naisangiam
Manager
เสร็จสิ้นการตรวจวัดน้ำ 204-4-0007

Approved by

Kankorn Anek
Assistant General Manager
เสร็จสิ้นการตรวจวัดน้ำ 204-4-0004

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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S18aporn_AL_GL-qr (1.209M)



Analysis / Test Report

TESTING

No.0009

Lot ID: 2557412

Date Received : Jul 04, 2025

Date Reported : Jul 12, 2025

Report Number : 3335429-3

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Plaakdaeng, Rayong Thailand 21140

P/O :

Project Name :

Project Location : WHA ESIE 4

Sample Number 2557412-1
Sampled Date Jul 04, 2025 10:10 AM
Sample Description Wastewater
Location WHA ESIE4 : Influent
Date Analysis Commenced Jul 04, 2025
Condition of Sample Contained in two glass vials, one amber glass bottle and eight plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Page 1 of 2

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminium	mg/L	0.003	0.005	0.34	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Iron	mg/L	0.003	0.005	0.47	≤10.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Silver	mg/L	0.0003	0.0005	Not Detected	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L	0.05	0.1	21.3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (D)	Rayong
Conductivity at 25 Degree C *	micromhos/cm	-	0.5	1272	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen *	mg/L	-	0.1	6.9	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
Fluoride as F *	mg/L	0.06	0.2	0.6	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-F (D)	Rayong
Nitrate as N *	mg/L	0.015	0.05	1.16	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong

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Approved by

Savitree N.
Savitree Naisangiam
Manager

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S18aporn_AL_GL-qr (1.209M)



Analysis / Test Report

TESTING

No.0009

Lot ID: 2557412

Date Received : Jul 04, 2025

Date Reported : Jul 12, 2025

Report Number : 3335429-3

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Plaakdaeng, Rayong Thailand 21140

P/O :

Project Name :

Project Location : WHA ESIE 4

Sample Number 2557412-1
Sampled Date Jul 04, 2025 10:10 AM
Sample Description Wastewater
Location WHA ESIE4 : Influent
Date Analysis Commenced Jul 04, 2025
Condition of Sample Contained in two glass vials, one amber glass bottle and eight plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Page 2 of 2

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Odour *	-	-	-	Odourless	No Standard	TIS, 257-2549	Rayong
Salinity *	ppt	-	0.1	0.6	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong

Guideline : Amendment details report of Environmental Impact Assessment Report of WHA Eastern Seaboard Industrial Estate 4, October 2024.

Sampling By : Narunat thamasaro , Akkarn Budsaktee

Remark :
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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

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Approved by

Savitree N.
Savitree Naisangiam
Manager

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S18aporn_AL_GL-qr (1.209M)



Analysis / Test Report

TESTING

No.0042

Lot ID: 2569024

Date Received : Aug 04, 2025

Date Reported : Aug 11, 2025

Report Number : 3364210-1

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Plaakdaeng, Rayong Thailand 21140

P/O :

Project Name :

Project Location : WHA ESIE 4

Sample Number 2569024-1
Sampled Date Aug 04, 2025 2:00 PM
Sample Description Wastewater
Location WHA ESIE4 : Influent
Date Analysis Commenced Aug 04, 2025
Condition of Sample Contained in one amber glass bottle, two glass vials and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Page 1 of 3

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	22.1	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O (G)	Rayong
COD	mg/L	1.5	25	63	≤400	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 D	Rayong
Color (at Original pH)	ADMI	-	5	47	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	45	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Cyanide as HCN	mg/L	0.001	0.005	<0.005	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-CN (C, E)	Rayong
Formaldehyde	mg/L	0.03	0.1	Not Detected	≤1	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed., 2004	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C	-	-	-	8.0	6.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Technical Management

Photchana S.
Photchana Seeda
Scientist (4)
เสร็จสิ้นการตรวจวัดน้ำ 323-4-0028

Approved by

Dej Changchon
Senior Manager
เสร็จสิ้นการตรวจวัดน้ำ 323-4-0001

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S18aporn_AL_GL-qr (4.679M)



Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Phuaadeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 2569024
Date Received : Aug 04, 2025
Date Reported : Aug 11, 2025
Report Number : 3364210-1

Page 2 of 3

Sample Number 2569024-1
Sample Date Aug 04, 2025 2:00 PM
Sample Description Wastewater
Location WHA ESIE4 : Influent
Date Analysis Commenced Aug 04, 2025
Condition of Sample Contained in one amber glass bottle, two glass vials and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Phenol	mg/L	0.005	0.01	0.01	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5530 B, D	Rayong
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (F)	Rayong
Sulfide *	mg/L	-	0.5	<0.5	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)	Rayong
Temperature *	Degree C	-	-	33.4	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	308	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	28.4	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-horg (C), part 4500 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	28	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Amendment details report of Environmental Impact Assessment Report of WHA Eastern Seaboard Industrial Estate 4, October 2024.
Sampling By : Wasan Kinunti

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Technical Management
Photchanas
Photchana Seeda
Scientist (4)
โทรศัพท์ 323-00028

Approved by
Dej Changchon
Senior Manager
โทรศัพท์ 323-00001

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5217-052 (ENGL)

5/Report/AL_GL-qr (6/27/24)



Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Phuaadeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 2569024
Date Received : Aug 04, 2025
Date Reported : Aug 11, 2025
Report Number : 3364210-1

Page 3 of 3

- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management
Photchanas
Photchana Seeda
Scientist (4)
โทรศัพท์ 323-00028

Approved by
Dej Changchon
Senior Manager
โทรศัพท์ 323-00001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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5217-052 (ENGL)

5/Report/AL_GL-qr (6/27/24)



Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Phuaadeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 2569024
Date Received : Aug 04, 2025
Date Reported : Aug 12, 2025
Report Number : 3364210-2

Page 2 of 2

Sample Number 2569024-1
Sample Date Aug 04, 2025 2:00 PM
Sample Description Wastewater
Location WHA ESIE4 : Influent
Date Analysis Commenced Aug 05, 2025
Condition of Sample Contained in one amber glass bottle, two glass vials and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.002	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.04	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.007	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Lead	mg/L	0.0003	0.0005	<0.0005	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.08	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Technical Management
Chanatt L.
Chanattagarn Imchom
Section Head
โทรศัพท์ 204-0-0008

Approved by
Kanokorn Anek
Assistant General Manager
โทรศัพท์ 204-0-0004

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5217-052 (ENGL)

5/Report/AL_GL-qr (12/22/24)



Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Phuaadeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 2569024
Date Received : Aug 04, 2025
Date Reported : Aug 12, 2025
Report Number : 3364210-2

Page 2 of 2

Sample Number 2569024-1
Sample Date Aug 04, 2025 2:00 PM
Sample Description Wastewater
Location WHA ESIE4 : Influent
Date Analysis Commenced Aug 05, 2025
Condition of Sample Contained in one amber glass bottle, two glass vials and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Mercury *	mg/L	0.0001	0.0005	<0.0005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3112	Bangkok
Nickel	mg/L	0.0003	0.0005	0.005	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	≤0.02	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	≤0.75	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.08	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Amendment details report of Environmental Impact Assessment Report of WHA Eastern Seaboard Industrial Estate 4, October 2024.
Sampling By : Wasan Kinunti

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management
Chanatt L.
Chanattagarn Imchom
Section Head
โทรศัพท์ 204-0-0008

Approved by
Kanokorn Anek
Assistant General Manager
โทรศัพท์ 204-0-0004

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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5217-052 (ENGL)

5/Report/AL_GL-qr (12/22/24)



Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Plaakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4



TESTING
No.0009
Lot ID: 2569024
Date Received : Aug 04, 2025
Date Reported : Aug 12, 2025
Report Number : 3364210-3

Page 1 of 2

Sample Number	2569024-1						
Sampled Date	Aug 04, 2025 2:00 PM						
Sample Description	Wastewater						
Location	WHA ESIE4 : Influent						
Date Analysis Commenced	Aug 04, 2025						
Condition of Sample	Contained in one amber glass bottle, two glass vials and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA) Yellow, a lot of odour, solid and turbid						
Physical Property							
Analyte	Unit	LOD	LOQ (LOR)	Results	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminium	mg/L	0.003	0.005	0.19	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Iron	mg/L	0.003	0.005	0.32	≤10.0	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Silver	mg/L	0.0003	0.0005	Not Detected	≤1.0	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L	0.05	0.1	24.6	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (D)	Rayong
Conductivity at 25 Degree C *	micromhos/cm	-	0.5	719	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen *	mg/L	-	0.1	6.8	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
Fluoride as F *	mg/L	0.06	0.2	0.3	≤5	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-F (D)	Rayong
Nitrate as N *	mg/L	0.015	0.05	1.51	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong

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Approved by

Chanatt L.
Chanattagarn Inthom
Section Head

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S17-059 (ENGL)

S:\Report\AL_GL\gr (12-2248)



Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Plaakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4



TESTING
No.0009
Lot ID: 2569024
Date Received : Aug 04, 2025
Date Reported : Aug 12, 2025
Report Number : 3364210-3

Page 2 of 2

Sample Number	2569024-1						
Sampled Date	Aug 04, 2025 2:00 PM						
Sample Description	Wastewater						
Location	WHA ESIE4 : Influent						
Date Analysis Commenced	Aug 04, 2025						
Condition of Sample	Contained in one amber glass bottle, two glass vials and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Physical Property	Yellow, a lot of odour, solid and turbid						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Odour *	-	-	-	Odourless	No Standard	TIS, 257-2549	Rayong
Salinity *	ppt	-	0.1	0.4	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong

Guideline : Amendment details report of Environmental Impact Assessment Report of WHA Eastern Seaboard Industrial Estate 4, October 2024.

Sampling By : Wasan Kinunti , Pattarapol Sawangjittam

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * a/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

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Approved by

Chanatt L.
Chanattagarn Inthom
Section Head

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S17-059 (ENGL)

S:\Report\AL_GL\gr (12-2248)



Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Plaakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4



TESTING
No.0042
Lot ID: 2577366
Date Received : Sep 02, 2023
Date Reported : Sep 09, 2023
Report Number : 3393160-1

Page 1 of 3

Page 1 of 2

Sample Number	2177396-1						
Sampled Date	Sep 02, 2023 2:10 PM						
Sample Description	Wastewater						
Location	WHA ESIE4 : Influent						
Date Analysis Commenced	Sep 02, 2023						
Condition of Sample	Contained in two glass Dials, one amber glass bottle and eight plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)						
Physical Property	Yellow, odourless, some solid and turbid						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOS (7 days at 20 5egree C)	mg/L	-	2.0	23.v	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 1210 B, part 4100 - O G	Rayong
COD	mg/L	1.3	21	63	≤400	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 1220 S	Rayong
Color (at Original pH)	AS MI	-	1	34	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	AS MI	-	1	30	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Cyanide as HCN	mg/L	0.001	0.003	0.006	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4100-CN (C, E)	Rayong
Formaldehyde	mg/L	0.03	0.1	<0.1	≤1	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed., 2004	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 1120 B	Rayong
pH at 23 degree C	-	-	-	9.1	6.0-v.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4100 - H (B)	Rayong

Technical Management

Jitsupa P.
Sitsupa Prathangsuak
Scientist (2)
หมายเลขโทรศัพท์ 3-323-0-0004

Approved by

Sej Changchon
Senior Manager
หมายเลขโทรศัพท์ 3-323-0-0001

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S17-059 (ENGL)

S:\Report\AL_GL\gr (1-2396)



Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Plaakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4



TESTING
No.0042
Lot ID: 2577366
Date Received : Sep 02, 2023
Date Reported : Sep 09, 2023
Report Number : 3393160-1

Page 2 of 3

Page 4 of 5

Sample Number	2177396-1						
Sampled Date	Sep 02, 2023 2:10 PM						
Sample Description	Wastewater						
Location	WHA ESIE4 : Influent						
Date Analysis Commenced	Sep 02, 2023						
Condition of Sample	Contained in two glass Dials, one amber glass bottle and eight plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)						
Physical Property	Yellow, odorless, some solid and turbid						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Phenol	mg/L	0.003	0.01	<0.010	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 1130 B, 5	Rayong
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4100-C (F)	Rayong
Sulfide *	mg/L	-	0.3	<0.3	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4100-S2 (C, F)	Rayong
Temperature *	5egree C	-	-	32.0	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong
Total 5 issolved Solids Sried at 190 degree C	mg/L	-	1	2v2	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2140 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	19.9	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4100-Norg (C), part 1163 (5)	Rayong
Total Suspended Solids Sried at 103-101 degree C	mg/L	-	1	26	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2140 S	Rayong

Guideline : Amendment details report of Environmental Impact Assessment Report of WHA Eastern Seaboard Industrial Estate 4, October 2024.

Sampling By : Suphanat Sakulittimasak หมายเลขโทรศัพท์ 3-323-0-0021 , Samart Khumplee หมายเลขโทรศัพท์ 3-323-0-0094

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Technical Management

Jitsupa P.
Sitsupa Prathangsuak
Scientist (2)
หมายเลขโทรศัพท์ 3-323-0-0004

Approved by

Sej Changchon
Senior Manager
หมายเลขโทรศัพท์ 3-323-0-0001

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S17-059 (ENGL)

S:\Report\AL_GL\gr (1-2396)



Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Plaakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 2577386
Date Received : Sep 02, 2025
Date Reported : Sep 09, 2025
Report Number : 3385560-2

Page 1 of 3

- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17023

Technical Management

Jitsupa P.
Sitsupa Prathangskul
Scientist (2)
โทรศัพท์มือถือ : 323-4-0004

Approved by

D. Khanan
Sej Changchon
Senior Manager
โทรศัพท์มือถือ : 323-4-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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5237-035/04ML

52389901_AL_GL-qr (8.11MP)



Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Plaakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 2577386
Date Received : Sep 02, 2025
Date Reported : Sep 09, 2025
Report Number : 3385560-2

Page 1 of 2

Sample Number : 2577386-1
Sampled Date : Sep 02, 2025 2:10 PM
Sample Description : Wastewater
Location : WHA ESIE4 : Influent
Date Analysis Commenced : Sep 03, 2025
Condition of Sample : Contained in two glass vials, one amber glass bottle and eight plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property : Yellow, odourless, some solid and turbid

Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.003	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.04	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.007	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3500-Cr B	Bangkok
Lead	mg/L	0.0003	0.0005	0.002	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.04	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok

Technical Management

Savitree N.
Savitree Nonsiangiam
Manager
โทรศัพท์มือถือ : 204-4-0007

Approved by

Kanokorn Anek
Assistant General Manager
โทรศัพท์มือถือ : 204-4-0004

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5237-035/04ML

52389901_AL_GL-qr (8.11MP)



Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Plaakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 2577386
Date Received : Sep 02, 2025
Date Reported : Sep 09, 2025
Report Number : 3385560-2

Page 2 of 2

Sample Number : 2577386-1
Sampled Date : Sep 02, 2025 2:10 PM
Sample Description : Wastewater
Location : WHA ESIE4 : Influent
Date Analysis Commenced : Sep 03, 2025
Condition of Sample : Contained in two glass vials, one amber glass bottle and eight plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property : Yellow, odourless, some solid and turbid

Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Mercury *	mg/L	0.0001	0.0005	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3112	Bangkok
Nickel	mg/L	0.0003	0.0005	0.03	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	0.0005	≤0.02	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	≤0.75	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.09	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok

Guideline : Amendment details report of Environmental Impact Assessment Report of WHA Eastern Seaboard Industrial Estate 4, October 2024.

Sampling By : Suphanat Sakulkitmasak โทรศัพท์มือถือ : 323-4-0021, Samart Khumplee โทรศัพท์มือถือ : 204-4-0084

Remark :
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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management

Savitree N.
Savitree Nonsiangiam
Manager
โทรศัพท์มือถือ : 204-4-0007

Approved by

Kanokorn Anek
Kanokorn Anek
Assistant General Manager
โทรศัพท์มือถือ : 204-4-0004

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5237-035/04ML

52389901_AL_GL-qr (8.11MP)



Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Plaakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 2577386
Date Received : Sep 02, 2025
Date Reported : Sep 09, 2025
Report Number : 3385560-3

Page 1 of 2

Sample Number : 2577386-1
Sampled Date : Sep 02, 2025 2:10 PM
Sample Description : Wastewater
Location : WHA ESIE4 : Influent
Date Analysis Commenced : Sep 02, 2025
Condition of Sample : Contained in two glass vials, one amber glass bottle and eight plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property : Yellow, odourless, some solid and turbid

Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminium	mg/L	0.003	0.005	0.87	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Iron	mg/L	0.003	0.005	0.47	≤10.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Silver	mg/L	0.0003	0.0005	Not Detected	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L	0.05	0.1	11.7	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (D)	Rayong
Conductivity at 25 Degree C *	micromhos/cm	-	0.5	792	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen *	mg/L	-	0.1	7.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
Fluoride as F *	mg/L	0.06	0.2	0.5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-F (D)	Rayong
Nitrate as N *	mg/L	0.015	0.05	3.71	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong

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Approved by

Savitree N.
Savitree Nonsiangiam
Manager

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5237-035/04ML

52389901_AL_GL-qr (8.11MP)



Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 2577386
Date Received : Sep 02, 2025
Date Reported : Sep 09, 2025
Report Number : 3385560-3

Page 2 of 2

Sample Number	2577386-1						
Sampled Date	Sep 02, 2025 2:10 PM						
Sample Description	Wastewater						
Location	WHA ESIE4 : Influent						
Date Analysis Commenced	Sep 02, 2025						
Condition of Sample	Contained in two glass vials, one amber glass bottle and eight plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)						
Physical Property	Yellow, odourless, some solid and turbid						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Odour *		-	-	Odourless	No Standard	TIS, 257-2549	Rayong
Salinity *	ppt	-	0.1	0.4	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong

Guideline : Amendment details report of Environmental Impact Assessment Report of WHA Eastern Seaboard Industrial Estate 4, October 2024.

Sampling By : Suphanat Sakulittimasak , Samart Khumplinee

Remark :
- LOD : Limit of Detection
- "c" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Savitree N.
Savitree Nonsiam
Manager

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 2587821
Date Received : J ct 06, 2025
Date Reported : J ct 14, 2025
Report Number : 340959-N

Page 1 of 3

Sample Number	259-921N						
Sampled Date	J ct 06, 2025 :10 AM						
Sample Description	Wastewater						
Location	WHA ESIE4 : Influent						
Date Analysis Commenced	J ct 06, 2025						
Condition of Sample	Contained in one amber glass bottle, two glass vials and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Physical Property	Yellow, a lot of odour, some solid and no turbid						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
B/D (5 days at 20 Degree C)	mg/L	N	240	<200	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2510 B, part 4500 HJ G		Rayong
C/D	mg/L	1.6	25	<25	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 5220 D		Rayong
Color (at 1 g/linal pH)	ADMI	N	5	16	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2120 F		Rayong
Color (at pH <10)	ADMI	N	5	14	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2120 F		Rayong
Cyanide as HCl	mg/L	0.001	0.005	<0.005	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500NC (C, E)		Rayong
Formaldehyde	mg/L	0.03	0.04	Not Detected	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500NC (C, E)		Rayong
J & Grease	mg/L	N	3	<3	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 5520 B		Rayong
pH at 25 degree C		N	N	>6	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500 NH (B)		Rayong

Technical Management

Jitsupa P.
Jitsupa Prathangsuak
Scientist (2)
หมายเลขโทรศัพท์ 08233N0004

Approved by

Dej Changchon
Senior Manager
หมายเลขโทรศัพท์ 08233N0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 2587821
Date Received : J ct 06, 2025
Date Reported : J ct 14, 2025
Report Number : 340959-N

Page 2 of 3

Sample Number	259-921N						
Sampled Date	J ct 06, 2025 :10 AM						
Sample Description	Wastewater						
Location	WHA ESIE4 : Influent						
Date Analysis Commenced	J ct 06, 2025						
Condition of Sample	Contained in one amber glass bottle, two glass vials and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Physical Property	Yellow, a lot of odour, some solid and no turbid						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Phenol	mg/L	0.005	0.01	<0.010	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 5530 B, D		Rayong
Residual Free Chlorine *	mg/L	N	0.4	<0.4	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500NC (F)		Rayong
Sulfide *	mg/L	N	0.6	<0.6	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500NC (C, F)		Rayong
Temperature *	Degree C	N	N	30.0	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2550 B		Rayong
Total Dissolved Solids Dried at 190 degree C	mg/L	N	5	369	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2540 C		Rayong
Total Kjeldahl Nitrogen as N	mg/L	N	1.0	<1.0	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500NC (C), part 4500NC (D)		Rayong
Total Suspended Solids Dried at 103/1005 degree C	mg/L	N	5	12	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2540 D		Rayong

Guideline : Amendment details report of Environmental Impact Assessment Report of WHA Eastern Seaboard Industrial Estate 4, October 2024.

Sampling By : Wasan Kintunthi หมายเลขโทรศัพท์ 08233N0001, Kardbunt Kitisupavanit หมายเลขโทรศัพท์ 0824N0001

Remark :
- LOD : Limit of Detection
- "c" : Lower than LOD (Limit of Quantitation) / LOR (Limit of Reporting)

Technical Management

Jitsupa P.
Jitsupa Prathangsuak
Scientist (2)
หมายเลขโทรศัพท์ 08233N0004

Approved by

Dej Changchon
Senior Manager
หมายเลขโทรศัพท์ 08233N0001

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 2587821
Date Received : J ct 06, 2025
Date Reported : J ct 14, 2025
Report Number : 340959-N

Page 3 of 3

Sample Number	259-921N						
Sampled Date	J ct 06, 2025 :10 AM						
Sample Description	Wastewater						
Location	WHA ESIE4 : Influent						
Date Analysis Commenced	J ct 06, 2025						
Condition of Sample	Contained in one amber glass bottle, two glass vials and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Physical Property	Yellow, a lot of odour, some solid and no turbid						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
B/D (5 days at 20 Degree C)	mg/L	N	240	<200	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2510 B, part 4500 HJ G		Rayong
C/D	mg/L	1.6	25	<25	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 5220 D		Rayong
Color (at 1 g/linal pH)	ADMI	N	5	16	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2120 F		Rayong
Color (at pH <10)	ADMI	N	5	14	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2120 F		Rayong
Cyanide as HCl	mg/L	0.001	0.005	<0.005	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500NC (C, E)		Rayong
Formaldehyde	mg/L	0.03	0.04	Not Detected	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500NC (C, E)		Rayong
J & Grease	mg/L	N	3	<3	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 5520 B		Rayong
pH at 25 degree C		N	N	>6	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500 NH (B)		Rayong

Technical Management

Jitsupa P.
Jitsupa Prathangsuak
Scientist (2)
หมายเลขโทรศัพท์ 08233N0004

Approved by

Dej Changchon
Senior Manager
หมายเลขโทรศัพท์ 08233N0001

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Analysis / Test Report

TESTING

No.0009

Lot ID: 2587821

vate Received : 5 ct 06, 2020

vate Reported : 5 ct 14, 2020

Report f umber : 3408DB-NE

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

Sample Number : ZDB-821N
Sampled Date : 5 ct 06, 2020 : 10 AM
Sample Description : Wastewater
Location : WHA ESIE4 : InJluent
Date Analysis Commenced : 5 ct 0-, 2020
Condition of Sample : Contained in one amber glass bottle, two glass 9ials and eight plastic bottles, sample containers comply to pretreatment N
preseration standards (APHA, USEPA)
Physical Property : Yellow, a lot o7odour, some solid and no turbid

Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0000	0.002	v10x2D	Standard Methods 3r the Elimination o7Water and Wastewater:APHA, AWWA F WEB, 24th edx 2023, part 312D s,3030 B	sangkok
Sarim	mg/L	0.0003	0.0000	0.06	v1x0	Standard Methods 3r the Elimination o7Water and Wastewater:APHA, AWWA F WEB, 24th edx 2023, part 312D s,3030 B	sangkok
Cadmium	mg/L	0.0003	0.0000	f ot v etected	v10x3	Standard Methods 3r the Elimination o7Water and Wastewater:APHA, AWWA F WEB, 24th edx 2023, part 312D s,3030 B	sangkok
Copper	mg/L	0.0003	0.0000	0.000	v1x0	Standard Methods 3r the Elimination o7Water and Wastewater:APHA, AWWA F WEB, 24th edx 2023, part 312D s,3030 B	sangkok
He6a7alent Chromium	mg/L	0.003	0.01	f ot v etected	v10x2D	Standard Methods 3r the Elimination o7Water and Wastewater:APHA, AWWA F WEB, 24th edx 2023, part 312D s,3030 B	sangkok
Lead	mg/L	0.0003	0.0000	0.0000	v10x2	Standard Methods 3r the Elimination o7Water and Wastewater:APHA, AWWA F WEB, 24th edx 2023, part 312D s,3030 B	sangkok
Manganese	mg/L	0.0003	0.0000	0.00	v1D0	Standard Methods 3r the Elimination o7Water and Wastewater:APHA, AWWA F WEB, 24th edx 2023, part 312D s,3030 B	sangkok

Technical Management
Chanattagorn Inmchom
Section Head
e (U) 66111111 : 06204N 00008

Approved by
Ganokorn Anek
Assistant general Manager
e (U) 66111111 : 06204N 00004

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

TESTING

No.0009

Lot ID: 2587821

vate Received : 5 ct 06, 2020

vate Reported : 5 ct 14, 2020

Report f umber : 3408DB-NE

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

Sample Number : ZDB-821N
Sampled Date : 5 ct 06, 2020 : 10 AM
Sample Description : Wastewater
Location : WHA ESIE4 : InJluent
Date Analysis Commenced : 5 ct 0-, 2020
Condition of Sample : Contained in one amber glass bottle, two glass 9ials and eight plastic bottles, sample containers comply to pretreatment N
preseration standards (APHA, USEPA)
Physical Property : Yellow, a lot o7odour, some solid and no turbid

Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Mercury <	mg/L	0.0001	0.0000	f ot v etected	v10x00D	Standard Methods 3r the Elimination o7Water and Wastewater:APHA, AWWA F WEB, 24th edx 2023, part 3112	sangkok
f icke	mg/L	0.0003	0.0000	0.02	v1x0	Standard Methods 3r the Elimination o7Water and Wastewater:APHA, AWWA F WEB, 24th edx 2023, part 312D s,3030 B	sangkok
Selenium	mg/L	0.0003	0.0000	f ot v etected	v10x02	Standard Methods 3r the Elimination o7Water and Wastewater:APHA, AWWA F WEB, 24th edx 2023, part 312D s,3030 B	sangkok
Tri7alent Chromium <	mg/L	N	0.01	2.001	v10x D	Standard Methods 3r the Elimination o7Water and Wastewater:APHA, AWWA F WEB, 24th edx 2023, part 312D s,3030 B	sangkok
Cinc	mg/L	0.003	0.000	0.06	v1D0	Standard Methods 3r the Elimination o7Water and Wastewater:APHA, AWWA F WEB, 24th edx 2023, part 312D s,3030 B	sangkok

Guideline : Amendment details report o7Environmental Impact Assessment Report o7WHA Eastern Seaboard Industrial Estate 4, 5 ctober 2024x

Sampling By : Wasan Guntit e (U) 66111111 : 06233N0001, Gardbudit Gitsupapantit e (U) 66111111 : 06204N00001

Remark :
- L5v : Limit o7v etection
- "7" : Lower than L5Q (Limit o7Quantitation) / L5R (Limit o7Reporting)
- Analyte(s) marked < is/are not included in scope o7Accreditation ISS/IEC 1-020x
- Sampling is not included in scope o7accreditation ISS/IEC 1-020

Technical Management
Chanattagorn Inmchom
Section Head
e (U) 66111111 : 06204N 00008

Approved by
Ganokorn Anek
Assistant general Manager
e (U) 66111111 : 06204N 00004

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Analysis / Test Report

TESTING

No.0009

Lot ID: 2587821

vate Received : 5 ct 06, 2020

vate Reported : 5 ct 14, 2020

Report f umber : 3408DB-NE

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

Sample Number : ZDB-821N
Sampled Date : 5 ct 06, 2020 : 10 AM
Sample Description : Wastewater
Location : WHA ESIE4 : InJluent
Date Analysis Commenced : 5 ct 06, 2020
Condition of Sample : Contained in one amber glass bottle, two glass 9ials and eight plastic bottles, sample containers comply to pretreatment N
preseration standards (APHA, USEPA)
Physical Property : Yellow, a lot o7odour, some solid and no turbid

Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminium	mg/L	0.003	0.000	0.08	f o Standard	Standard Methods 3r the Elimination o7Water and Wastewater:APHA, AWWA F WEB, 24th edx 2023, part 312D s,3030 B	sangkok
Iron	mg/L	0.003	0.00D	0.2	* 10x0	Standard Methods 3r the Elimination o7Water and Wastewater:APHA, AWWA F WEB, 24th edx 2023, part 312D s,3030 B	sangkok
Silber	mg/L	0.0003	0.0000	f ot v etected	* 1x0	Standard Methods 3r the Elimination o7Water and Wastewater:APHA, AWWA F WEB, 24th edx 2023, part 312D s,3030 B	sangkok
Water Testing							
Ammonia f 7rogen O	mg/L	0.00	0.0	4x	f o Standard	Standard Methods 3r the Elimination o7Water and Wastewater:APHA, AWWA F WEB, 24th edx 2023, part 4000H H3 (v)	Rayong
Conduct7ity at 2D vegree C O	micromhos/cm	N	0.0	-D8	f o Standard	Standard Methods 3r the Elimination o7Water and Wastewater:APHA, AWWA F WEB, 24th edx 2023, part 2010 s	Rayong
vissolved S 7ygen O	mg/L	N	0.0	-x6	f o Standard	Standard Methods 3r the Elimination o7Water and Wastewater:APHA, AWWA F WEB, 24th edx 2023, part 4000H (G)	Rayong
Bloride as B O	mg/L	0.06	0.2	0.6	* D	Standard Methods 3r the Elimination o7Water and Wastewater:APHA, AWWA F WEB, 24th edx 2023, part 4000H (v)	Rayong
f 7rate as f O	mg/L	0.01D	0.0D	4x.	f o Standard	Standard Methods 3r the Elimination o7Water and Wastewater:APHA, AWWA F WEB, 24th edx 2023, part 4000H S3 (E)	Rayong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by
Chanattagorn Inmchom
Section Head

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Analysis / Test Report

TESTING

No.0009

Lot ID: 2587821

vate Received : 5 ct 06, 2020

vate Reported : 5 ct 14, 2020

Report f umber : 3408DB-NE

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

Sample Number : ZDB-821N
Sampled Date : 5 ct 06, 2020 : 10 AM
Sample Description : Wastewater
Location : WHA ESIE4 : InJluent
Date Analysis Commenced : 5 ct 06, 2020
Condition of Sample : Contained in one amber glass bottle, two glass 9ials and eight plastic bottles, sample containers comply to pretreatment N
preseration standards (APHA, USEPA)
Physical Property : Yellow, a lot o7odour, some solid and no turbid

Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
S 7our O		N	N	S 7ourness	f o Standard	T15, 2D-ND4	Rayong
Salinity O	ppt	N	0.0	0.0	f o Standard	Standard Methods 3r the Elimination o7Water and Wastewater:APHA, AWWA F WEB, 24th edx 2023, part 2010 s	Rayong

Guideline : Amendment details report o7Environmental Impact Assessment Report o7WHA Eastern Seaboard Industrial Estate 4, 5 ctober 2024x

Sampling By : Wasan Kinunti, Kardbudit Kitisupapantit

Remark :
- L5v : Limit o7v etection
- "7" : Lower than L5Q (Limit o7Quantitation) / L5R (Limit o7Reporting)
- Analyte(s) marked O is/are not included in scope o7Accreditation ISS/IEC 1-020x
- Sampling is not included in scope o7accreditation ISS/IEC 1-020

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Approved by
Chanattagorn Inmchom
Section Head

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Plaakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 2599843
vate Received : 05 04, 2020
vate Reported : 05 11, 2020
Report Number : 3439136-1

Page 1 of 3

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOV (D days at 20 degree C)	mg/L	-	2.0	<2.0	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part D210 B, part 4000 - O	Rayong
COV	mg/L	1.0	20	20	≤400	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part D220 - V	Rayong
Color (at Original pH)	Av MI	-	D	42	≤600	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 9.0)	Av MI	-	D	40	≤600	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Cyanide as HCl	mg/L	0.001	0.00D	<0.000	≤0.2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4000-C (C, E)	Rayong
Formaldehyde	mg/L	0.03	0.1	Not detected	≤1	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed., 2004	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part D200 B	Rayong
pH at 20 degree C	-	-	-	7.1	6.0-8.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4000 - H (B)	Rayong

Technical Management

Jitsupa P.

Stupa Prathangsk
Scientist (2)
หมายเลข 3-323-0-0004

Approved by

D. Manan

vej Changchon
Senior Manager
หมายเลข 3-323-0-0001

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0209-0209 (ENGL)

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Plaakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 2599843
vate Received : 05 04, 2020
vate Reported : 05 11, 2020
Report Number : 3439136-1

Page 2 of 3

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Phenol	mg/L	0.00D	0.01	<0.010	≤1	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part D200 B, v	Rayong
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4000-C (F)	Rayong
Sulfide *	mg/L	-	0.0	<0.0	≤1.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4000-52 (C, F)	Rayong
Temperature *	degree C	-	-	27.9	≤40	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part D200 B	Rayong
Total dissolved Solids vried at 170 degree C	mg/L	-	D	616	≤3000	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part D200 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	D.0	≤100	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4000-J org (C), part 1143 (v)	Rayong
Total Suspended Solids vried at 103-100 degree C	mg/L	-	D	<D	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part D200 v	Rayong

Guideline : Amendment details report on Environmental Impact Assessment Report of WHA Eastern Seaboard Industrial Estate 4, October 2024.

Sampling By : จานาน ทามนามสว รณณณณณ 3-323-0-0002, Patchanon Inpruk รณณณณณ 3-204-0-019

Remark :
- "LOV" : Limit of detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Technical Management

Jitsupa P.

Stupa Prathangsk
Scientist (2)
หมายเลข 3-323-0-0004

Approved by

D. Manan

vej Changchon
Senior Manager
หมายเลข 3-323-0-0001

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0209-0209 (ENGL)

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Plaakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 2599843
vate Received : 05 04, 2020
vate Reported : 05 11, 2020
Report Number : 3439136-1

Page 3 of 3

* Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 19020.
* Sampling is not included in scope of Accreditation ISO/IEC 19020

Technical Management

Jitsupa P.

Stupa Prathangsk
Scientist (2)
หมายเลข 3-323-0-0004

Approved by

D. Manan

vej Changchon
Senior Manager
หมายเลข 3-323-0-0001

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Plaakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 2599843
vate Received : 05 04, 202v
vate Reported : 05 11, 202v
Report Number : 3438136-2

Page 1 of 2

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.000v	0.01	≤0.2v	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 312v B, 3030 F	Bangkok
Barium	mg/L	0.0003	0.000v	0.22	≤1.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 312v B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.000v	5.0e detected	≤0.03	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 312v B, 3030 F	Bangkok
Copper	mg/L	0.0003	0.000v	0.002	≤2.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 312v B, 3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	5.0e detected	≤0.2v	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3v00-Cr B	Bangkok
Lead	mg/L	0.0003	0.000v	5.0e detected	≤0.2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 312v B, 3030 F	Bangkok
Manganese	mg/L	0.0003	0.000v	0.02	≤v.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 312v B, 3030 F	Bangkok

Technical Management

Savitree N.

Savitree Saisangiam
Manager
หมายเลข 3-204-0-0008

Approved by

Kanokorn Anek

Assistant General Manager
หมายเลข 3-204-0-0004

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Phuaakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 2599843
9ate RecelDed : 5:00:04, 202v
9ate Reported : 5:0:12, 202v
Report Sumbler : 3438136-2

Page 2 of 2

Sample Number	2v1f743-1							Page 1 of 1
Sampled Date	5oD04, 202v f:10 AM							
Sample Description	Wastewater							
Location	WHA ESIE4 : Influent							
Date Analysis Commenced	5oD0v, 202v							
Condition of Sample	Contained in two glass Dials, one amber glass bottle and eight plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)							
Physical Property	Yellow, some odour, solid and no turbid							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location	
Metals Testing								
Mercury *	mg/L	0.0001	0.000v	5ot 9etected	≤0.00v	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3112	Bangkok	
Sickel	mg/L	0.0003	0.000v	0.007	≤1.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 312v B,3030 F	Bangkok	
Selenium	mg/L	0.0003	0.000v	0.001	≤0.02	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 312v B,3030 F	Bangkok	
TriDalent Chromium *	mg/L	-	0.01	<0.01	≤0.8v	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 312v B,3030 F	Bangkok	
Zinc	mg/L	0.003	0.00v	0.02	≤v.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 312v B,3030 F	Bangkok	

Guideline : Amendment details report of Environmental Impact Assessment Report of WHA Eastern Seaboard Industrial Estate 4, October 2024.
Sampling By : Sarunat thamasaro ๓๔๓๔๓๔๓๔ ๓-๓23-๔-00v2, Patchanon Inprik ๓๔๓๔๓๔๓๔ ๓-๓04-๔-01f8

Remark :
- LOD : Limit of detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 1802v.
- Sampling is not included in scope of Accreditation ISO/IEC 1802v

Technical Management
Savitree N.
Savitree Nonsiangam
Manager
๓๔๓๔๓๔๓๔ ๓-๓04-๔-0008

Approved by
Kankorn Anek
Assistant General Manager
๓๔๓๔๓๔๓๔ ๓-๓04-๔-0004

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5127-050/00AL

51Report_AL_GL-01 (7-43PM)



Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Phuaakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 2599843
Date Received : Nov 04, 2025
Date Reported : Nov 11, 2025
Report Number : 3437136-3

Page 1 of 2

Sample Number	2599843-1						
Sampled Date	Nov 04, 2025 9:10 AM						
Sample Description	Wastewater						
Location	WHA ESIE4 : Influent						
Date Analysis Commenced	Nov 04, 2025						
Condition of Sample	Contained in two glass vials, one amber glass bottle and eight plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)						
Physical Property	Yellow, some odour, solid and no turbid						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminium	mg/L	0.003	0.005	0.07	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Iron	mg/L	0.003	0.005	0.09	≤10.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Silver	mg/L	0.0003	0.0005	Not Detected	≤1.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L	0.05	0.1	3.1	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (D)	Rayong
Conductivity at 25 Degree C *	micromhos/cm	-	0.5	1095	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen *	mg/L	-	0.1	7.6	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
Fluoride as F *	mg/L	0.06	0.2	0.9	≤5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-F (D)	Rayong
Nitrate as N *	mg/L	0.015	0.05	1.93	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong

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Approved by
Savitree N.
Savitree Nonsiangam
Manager

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51Report_AL_GL-01 (7-43PM)



Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Phuaakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 2599843
Date Received : Nov 04, 2025
Date Reported : Nov 11, 2025
Report Number : 3437136-3

Page 2 of 2

Page 1 of 4

Sample Number	2599843-1						
Sampled Date	Nov 04, 2025 9:10 AM						
Sample Description	Wastewater						
Location	WHA ESIE4 : Influent						
Date Analysis Commenced	Nov 04, 2025						
Condition of Sample	Contained in two glass vials, one amber glass bottle and eight plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA) Yellow, some odour, solid and no turbid						
Physical Property							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Odour *	-	-	-	Odourless	No Standard	TIS, 257-2549	Rayong
Salinity *	ppt	-	0.1	0.5	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong

Guideline : Amendment details report of Environmental Impact Assessment Report of WHA Eastern Seaboard Industrial Estate 4, October 2024.
Sampling By : Narunat thamasaro , Patchanon Inprik

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

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Approved by
Savitree N.
Savitree Nonsiangam
Manager

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51Report_AL_GL-01 (7-43PM)



Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Phuaakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 25106635
Date Received : Nov 12, 2025
Date Reported : Nov 21, 2025
Report Number : 3434-4H

Page 1 of 3

Page 1 of 2

Sample Number	2D10663DIN						
Sampled Date	5ec 12, 202D - :44 AM						
Sample Description	Wastewater						
Location	WHA ESIE4 : Influent						
Date Analysis Commenced	5ec 12, 202D						
Condition of Sample	Contained in two glass vials, three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment N preservation standards (APHA, USEPA)						
Physical Property	Yellow, some odour, solid and turbid						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOS (D days at 20 5egree C)	mg/L	N	2.0	72.0	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 0210 B, part 4020 NO G	Rayong
COS	mg/L	1.D	2D	44	≤400	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 0220 S	Rayong
Color (at Original pH)	ASMI	N	D	24	≤600	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH <0)	ASMI	N	D	21	≤600	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Cyanide as HCF 8	mg/L	0.001	0.00D	70.000	≤0.2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4000CN (C, E)	Rayong
Formaldehyde	mg/L	0.03	0.1	70.1	≤1	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed., 2004	Rayong
Oil & Grease	mg/L	N	3	73	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 0320 B	Rayong
pH at 2D degree C		N	N	j.3	6.0N.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4000 NH (B)	Rayong

Technical Management
Patchana S.
Patchana Sada
Scientist (4)
๓๔๓๔๓๔๓๔ ๓823N(N02)

Approved by
Sai Changchon
Senior Manager
๓๔๓๔๓๔๓๔ ๓823N(N001)

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51Report_AL_GL-01 (1:0-PM)



Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 25106635
Date Received : 5ec 12, 2020
Date Reported : 5ec 21, 2020
Report Number : 3404-4N

Page 2 of 3

Sample Number : 2D106630N
Sample Date : 5ec 12, 2020 - 44 AM
Sample Description : Wastewater
Location : WHA ESIE4 : Influent
Date Analysis Commenced : 5ec 12, 2020
Condition of Sample : Contained in two glass vials, three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment N preservation standards (APHA, USEPA)
Physical Property : Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location	
Water Testing								
Phenol	mg/L	0.00D	0.01	70.010	≤1	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part D300 B, 5	Rayong	
Residual Free Chlorine	8	mg/L	N	0.1	0.2	≤1	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4000D (F)	Rayong
Sulfide	8	mg/L	N	0.0	70.0	≤1.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4000B2 (C, F)	Rayong
Temperature	8	5 degree C	N	N	2<D	≤40	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part D300 B	Rayong
Total Dissolved Solids Sried at 1) 0 degree C	mg/L	N	D	44)	≤3000	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2000 C	Rayong	
Total Kjeldahl f itrogen as f	mg/L	N	1.0	j.D	≤100	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4000C (F), part f H3 (5)	Rayong	
Total Suspended Solids Sried at 103±0.02 degree C	mg/L	N	D	11	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2000 S	Rayong	

Guideline : Amendment details report of Environmental Impact Assessment Report of WHA Eastern Seaboard Industrial Estate 4, October 2024.

Sampling By : Wanyoo Chimphalee, Wanyoo Chimphalee, Patchanon Inpruk, Wanyoo Chimphalee, Wanyoo Chimphalee

Remark :
- LOS : Limit of Detection
- "7" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Technical Management

Photchanas

Photchanas Seeda
Scientist (4)
Wanyoo Chimphalee (Wanyoo Chimphalee)

Approved by

Wanyoo Chimphalee

Sei Changchon
Senior Manager
Wanyoo Chimphalee (Wanyoo Chimphalee)

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 25106635
Date Received : 5ec 12, 2020
Date Reported : 5ec 21, 2020
Report Number : 3404-4N

Page 3 of 3

- Analyte(s) marked B is/are not included in scope of Accreditation ISO/IEC 17020.
- Sampling is not included in scope of Accreditation ISO/IEC 17020.

Technical Management

Photchanas

Photchanas Seeda
Scientist (4)
Wanyoo Chimphalee (Wanyoo Chimphalee)

Approved by

Wanyoo Chimphalee

Sei Changchon
Senior Manager
Wanyoo Chimphalee (Wanyoo Chimphalee)

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 25106635
Date Received : 5ec 12, 2020
Date Reported : 5ec 21, 2020
Report Number : 94043342

Page 1 of 2

Sample Number : 2D106690B
Sample Date : 5ec 12, 2020 3:44 AM
Sample Description : Wastewater
Location : WHA ESIE4 : Influent
Date Analysis Commenced : 5ec 19, 2020
Condition of Sample : Contained in two glass vials, three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment 8 preservation standards (APHA, USEPA)
Physical Property : yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0009	0.000D	0.00B	F 0.02D	Standard Methods for the Examination of Water and Wastewater (APHA, AWWA & WEF, 24th ed., 2023, part 9120 B, 9090 x)	Bangkok
Barium	mg/L	0.0009	0.000D	0.01D	F 1.0	Standard Methods for the Examination of Water and Wastewater (APHA, AWWA & WEF, 24th ed., 2023, part 9120 B, 9090 x)	Bangkok
Cadmium	mg/L	0.0009	0.000D	- ot 5ected	F 0.09	Standard Methods for the Examination of Water and Wastewater (APHA, AWWA & WEF, 24th ed., 2023, part 9120 B, 9090 x)	Bangkok
Copper	mg/L	0.0009	0.000D	0.00D	F 2.0	Standard Methods for the Examination of Water and Wastewater (APHA, AWWA & WEF, 24th ed., 2023, part 9000B2 & 9000B2 x)	Bangkok
Hexavalent Chromium	mg/L	0.009	0.01	- ot 5ected	F 0.02D	Standard Methods for the Examination of Water and Wastewater (APHA, AWWA & WEF, 24th ed., 2023, part 9000B2 & 9000B2 x)	Bangkok
Lead	mg/L	0.0009	0.000D	- ot 5ected	F 0.2	Standard Methods for the Examination of Water and Wastewater (APHA, AWWA & WEF, 24th ed., 2023, part 9120 B, 9090 x)	Bangkok
Manganese	mg/L	0.0009	0.000D	0.09	F 0.0	Standard Methods for the Examination of Water and Wastewater (APHA, AWWA & WEF, 24th ed., 2023, part 9120 B, 9090 x)	Bangkok

Technical Management

Savitree N.

Savitree - Oisangiam
Manager
Wanyoo Chimphalee (Wanyoo Chimphalee)

Approved by

Kanokorn Anek

Kanokorn Anek
Assistant General Manager
Wanyoo Chimphalee (Wanyoo Chimphalee)

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 25106635
Date Received : 5ec 12, 2020
Date Reported : 5ec 21, 2020
Report Number : 94043342

Page 2 of 2

Sample Number : 2D106690B
Sample Date : 5ec 12, 2020 3:44 AM
Sample Description : Wastewater
Location : WHA ESIE4 : Influent
Date Analysis Commenced : 5ec 19, 2020
Condition of Sample : Contained in two glass vials, three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment 8 preservation standards (APHA, USEPA)
Physical Property : yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Mercury *	mg/L	0.0001	0.000D	- ot 5ected	F 0.00D	Standard Methods for the Examination of Water and Wastewater (APHA, AWWA & WEF, 24th ed., 2023, part 9112	Bangkok
- icke	mg/L	0.0009	0.000D	0.02	F 1.0	Standard Methods for the Examination of Water and Wastewater (APHA, AWWA & WEF, 24th ed., 2023, part 9120 B, 9090 x)	Bangkok
Selenium	mg/L	0.0009	0.000D	0.000B	F 0.02	Standard Methods for the Examination of Water and Wastewater (APHA, AWWA & WEF, 24th ed., 2023, part 9120 B, 9090 x)	Bangkok
Trivalent Chromium *	mg/L	8	0.01	<0.01	F 0.04D	Standard Methods for the Examination of Water and Wastewater (APHA, AWWA & WEF, 24th ed., 2023, part 9120 B, 9090 x)	Bangkok
Zinc	mg/L	0.009	0.00D	0.010	F 0.0	Standard Methods for the Examination of Water and Wastewater (APHA, AWWA & WEF, 24th ed., 2023, part 9120 B, 9090 x)	Bangkok
Pesticides - Organochlorine Group							
2,4,5,6,7 *	ug/L	0.01	0.02	- ot 5ected	- ot 5ected	Standard Methods for the Examination of Water and Wastewater (APHA, AWWA & WEF, 24th ed., 2023, part 6690 5, part 6410 & 6410 B)	Bangkok
2,4,5,6 *	ug/L	0.01	0.02	- ot 5ected	- ot 5ected	Standard Methods for the Examination of Water and Wastewater (APHA, AWWA & WEF, 24th ed., 2023, part 6690 5, part 6410 & 6410 B)	Bangkok

Technical Management

Savitree N.

Savitree - Oisangiam
Manager
Wanyoo Chimphalee (Wanyoo Chimphalee)

Approved by

Kanokorn Anek

Kanokorn Anek
Assistant General Manager
Wanyoo Chimphalee (Wanyoo Chimphalee)

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Plaakdaeng, Rayong Thailand 21140

P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 25106635
Date Received : 5ec 12, 2020
Date Reported : 5ec 22, 2020
Report number : 94D433482

Page 9 of 10

Sample Number 2D10669DB
Sample Date 5ec 12, 2020 3:44 AM
Sample Description Wastewater
Location WHA ESIE4 : Influent
Date Analysis Commenced 5ec 19, 2020
Condition of Sample Contained in two glass vials, three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment 8 preservation standards (APHA, USEPA7
Physical Property yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Pesticides - Organochlorine Group							
2,4,6-ET *	ug/L	0.01	0.02	-ot 5ected	-ot 5ected	Standard Methods for the Examination of Water and Wastewater (APHA, AWWA Y WE, 24th ed, 2020, part 6690 5, part 6410 8	Bangkok
4,6,8-ET *	ug/L	0.01	0.02	-ot 5ected	-ot 5ected	Standard Methods for the Examination of Water and Wastewater (APHA, AWWA Y WE, 24th ed, 2020, part 6690 5, part 6410 8	Bangkok
4,6,8-ET *	ug/L	0.01	0.02	-ot 5ected	-ot 5ected	Standard Methods for the Examination of Water and Wastewater (APHA, AWWA Y WE, 24th ed, 2020, part 6690 5, part 6410 8	Bangkok
4,6,8-ET *	ug/L	0.01	0.02	-ot 5ected	-ot 5ected	Standard Methods for the Examination of Water and Wastewater (APHA, AWWA Y WE, 24th ed, 2020, part 6690 5, part 6410 8	Bangkok
Aldrin *	ug/L	0.01	0.02	-ot 5ected	-ot 5ected	Standard Methods for the Examination of Water and Wastewater (APHA, AWWA Y WE, 24th ed, 2020, part 6690 5, part 6410 8	Bangkok
alpha-BHC *	ug/L	0.01	0.02	-ot 5ected	-ot 5ected	Standard Methods for the Examination of Water and Wastewater (APHA, AWWA Y WE, 24th ed, 2020, part 6690 5, part 6410 8	Bangkok
beta-BHC *	ug/L	0.01	0.02	-ot 5ected	-ot 5ected	Standard Methods for the Examination of Water and Wastewater (APHA, AWWA Y WE, 24th ed, 2020, part 6690 5, part 6410 8	Bangkok

Technical Management

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Plaakdaeng, Rayong Thailand 21140

P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 25106635
Date Received : 5ec 12, 2020
Date Reported : 5ec 22, 2020
Report number : 94D433482

Page 4 of 10

Sample Number 2D10669DB
Sample Date 5ec 12, 2020 3:44 AM
Sample Description Wastewater
Location WHA ESIE4 : Influent
Date Analysis Commenced 5ec 19, 2020
Condition of Sample Contained in two glass vials, three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment 8 preservation standards (APHA, USEPA7
Physical Property yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Pesticides - Organochlorine Group							
Chlordane *	ug/L	0.02	0.04	-ot 5ected	-ot 5ected	Standard Methods for the Examination of Water and Wastewater (APHA, AWWA Y WE, 24th ed, 2020, part 6690 5, part 6410 8	Bangkok
delta-BHC *	ug/L	0.01	0.02	-ot 5ected	-ot 5ected	Standard Methods for the Examination of Water and Wastewater (APHA, AWWA Y WE, 24th ed, 2020, part 6690 5, part 6410 8	Bangkok
5ieldrin *	ug/L	0.01	0.02	-ot 5ected	-ot 5ected	Standard Methods for the Examination of Water and Wastewater (APHA, AWWA Y WE, 24th ed, 2020, part 6690 5, part 6410 8	Bangkok
Endosulfan I *	ug/L	0.01	0.02	-ot 5ected	-ot 5ected	Standard Methods for the Examination of Water and Wastewater (APHA, AWWA Y WE, 24th ed, 2020, part 6690 5, part 6410 8	Bangkok
Endosulfan II *	ug/L	0.01	0.02	-ot 5ected	-ot 5ected	Standard Methods for the Examination of Water and Wastewater (APHA, AWWA Y WE, 24th ed, 2020, part 6690 5, part 6410 8	Bangkok
Endrin *	ug/L	0.01	0.02	-ot 5ected	-ot 5ected	Standard Methods for the Examination of Water and Wastewater (APHA, AWWA Y WE, 24th ed, 2020, part 6690 5, part 6410 8	Bangkok
Heptachlor *	ug/L	0.01	0.02	-ot 5ected	-ot 5ected	Standard Methods for the Examination of Water and Wastewater (APHA, AWWA Y WE, 24th ed, 2020, part 6690 5, part 6410 8	Bangkok

Technical Management

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
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P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 25106635
Date Received : 5ec 12, 2020
Date Reported : 5ec 22, 2020
Report number : 94D433482

Page 2 of 10

Sample Number 2D10669DB
Sample Date 5ec 12, 2020 3:44 AM
Sample Description Wastewater
Location WHA ESIE4 : Influent
Date Analysis Commenced 5ec 19, 2020
Condition of Sample Contained in two glass vials, three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment 8 preservation standards (APHA, USEPA7
Physical Property yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Pesticides - Organochlorine Group							
Heptachlor(Epo)ide *	ug/L	0.01	0.02	-ot 5ected	-ot 5ected	Standard Methods for the Examination of Water and Wastewater (APHA, AWWA Y WE, 24th ed, 2020, part 6690 5, part 6410 8	Bangkok
Lindane (gamma-BHC) *	ug/L	0.01	0.02	-ot 5ected	-ot 5ected	Standard Methods for the Examination of Water and Wastewater (APHA, AWWA Y WE, 24th ed, 2020, part 6690 5, part 6410 8	Bangkok
Methoxychlor *	ug/L	0.01	0.02	-ot 5ected	-ot 5ected	Standard Methods for the Examination of Water and Wastewater (APHA, AWWA Y WE, 24th ed, 2020, part 6690 5, part 6410 8	Bangkok

Guideline : Amendment details report on Environmental Impact Assessment Report on WHA Eastern Seaboard Industrial Estate 4, October 2024

Sampling By : Wanunoy Chimpalee s.wanunoy@alsglobal.com, Patchanon Inpruk s.inpruk@alsglobal.com

Remark :
- LOS : Limit of detection
- "c" : Lower than LOQ / Limit of Quantitation / LOQ / Limit of Reporting
- Analytes marked * are not included in scope of accreditation ISO/IEC 17020
- Sampling is not included in scope of accreditation ISO/IEC 17020

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Analysis / Test Report

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P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 25106635
Date Received : Dec 12, 2025
Date Reported : Dec 22, 2025
Report Number : 3454994-3

Page 1 of 2

Sample Number 25106635-1
Sample Date Dec 12, 2025 9:44 AM
Sample Description Wastewater
Location WHA ESIE4 : Influent
Date Analysis Commenced Dec 12, 2025
Condition of Sample Contained in two glass vials, three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminium	mg/L	0.003	0.005	0.81	No Standard	Standard Methods for the Examination of Water and Wastewater (APHA, AWWA Y WE, 24th ed, 2020, part 3125 B, 3030 F	Bangkok
Iron	mg/L	0.003	0.005	0.34	≤10.0	Standard Methods for the Examination of Water and Wastewater (APHA, AWWA Y WE, 24th ed, 2020, part 3125 B, 3030 F	Bangkok
Silver	mg/L	0.0003	0.0005	Not Detected	≤1.0	Standard Methods for the Examination of Water and Wastewater (APHA, AWWA Y WE, 24th ed, 2020, part 3125 B, 3030 F	Bangkok
Pesticides - Organochlorine Group							
alpha-Chlordane *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater (APHA, AWWA Y WE, 24th ed, 2020, part 6630 D, part 6410 8	Bangkok
gamma-Chlordane *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater (APHA, AWWA Y WE, 24th ed, 2020, part 6630 D, part 6410 8	Bangkok
Hexachlorobenzene *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater (APHA, AWWA Y WE, 24th ed, 2020, part 6630 D, part 6410 8	Bangkok
Mirex *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater (APHA, AWWA Y WE, 24th ed, 2020, part 6630 D, part 6410 8	Bangkok

Water Testing

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Approved by

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Savitree - osingiam
Manager

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Plaekdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 25106635
Date Received : Dec 12, 2025
Date Reported : Dec 22, 2025
Report Number : 3454994-3

Page 2 of 2

Sample Number 25106635-1
Sampled Date Dec 12, 2025 9:44 AM
Sample Description Wastewater
Location WHA ESIE4 : Influent
Date Analysis Commenced Dec 12, 2025
Condition of Sample Contained in two glass vials, three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Ammonia Nitrogen *	mg/L	0.05	0.1	6.3	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (D)	Rayong
Conductivity at 25 Degree C *	micromhos/cm	-	0.5	821	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen *	mg/L	-	0.1	6.1	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
Fluoride as F *	mg/L	0.06	0.2	0.8	≤5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-F (D)	Rayong
Nitrate as N *	mg/L	0.015	0.05	2.67	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong
Odour *	-	-	-	Odourless	Non Objectionable	TIS, 257-2549	Rayong
Salinity *	ppt	-	0.1	0.4	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong

Guideline : Amendment details report of Environmental Impact Assessment Report of WHA Eastern Seaboard Industrial Estate 4, October 2024.

Sampling By : Warunyo Chimphalee , Patchanon Inpruk

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

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Approved by

Savitree N.
Savitree Nongsiam
Manager

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น้ำเสียจากบ่อกักน้ำทิ้งของโครงการ (Holding Pond)



Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 2557392
Date Received : Jul 04, 2025
Date Reported : Jul 12, 2025
Report Number : 3335415-1

Page 1 of 3

Sample Number 2557392-1
Sample Date Jul 04, 2025 10:15 AM
Sample Description Wastewater
Location WHA ESIE4 : Holding Pond
Date Analysis Commenced Jul 04, 2025
Condition of Sample Contained in two glass vials, one amber glass bottle and nine plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	7.4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O	Rayong
COD	mg/L	1.5	25	35	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	40	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	40	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Cyanide as CN	mg/L	0.001	0.005	Not Detected	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-CN (C, E)	Rayong
Formaldehyde	mg/L	0.03	0.1	Not Detected	≤1.0	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed., 2004	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C	-	-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Technical Management

Jitsupa P.

Jitsupa Prathangsuak
Scientist (2)
โทรศัพท์ 323-0-0004

Approved by

D. Chongchon

Dej Changchon
Senior Manager
โทรศัพท์ 323-0-0001

Results apply to the sample(s) as identified, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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5217-052 (ENGL)

5/Report/AL_GL-nt (8/2004)



Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 2557392
Date Received : Jul 04, 2025
Date Reported : Jul 12, 2025
Report Number : 3335415-1

Page 2 of 3

Sample Number 2557392-1
Sample Date Jul 04, 2025 10:15 AM
Sample Description Wastewater
Location WHA ESIE4 : Holding Pond
Date Analysis Commenced Jul 04, 2025
Condition of Sample Contained in two glass vials, one amber glass bottle and nine plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Phenol	mg/L	0.005	0.01	0.02	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5530 B, D	Rayong
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (F)	Rayong
Sulfide *	mg/L	-	0.5	<0.5	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)	Rayong
Temperature *	Degree C	-	-	29.9	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	632	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	6.1	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NMS (2)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	6	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Note : BOD, COD and Dissolved Oxygen Guideline set by Environmental Impact Assessment Report of WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.

Sampling By : Narurat thamasaro โทรศัพท์ 323-0-0052, Akkarn Budsaktee โทรศัพท์ 204-0-0196

Remark :

Technical Management

Jitsupa P.

Jitsupa Prathangsuak
Scientist (2)
โทรศัพท์ 323-0-0004

Approved by

D. Chongchon

Dej Changchon
Senior Manager
โทรศัพท์ 323-0-0001

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 2557392
Date Received : Jul 04, 2025
Date Reported : Jul 12, 2025
Report Number : 3335415-1

Page 3 of 3

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management

Jitsupa P.

Jitsupa Prathangsuak
Scientist (2)
โทรศัพท์ 323-0-0004

Approved by

D. Chongchon

Dej Changchon
Senior Manager
โทรศัพท์ 323-0-0001

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5/Report/AL_GL-nt (8/2004)



Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 2557392
Date Received : Jul 04, 2025
Date Reported : Jul 12, 2025
Report Number : 3335415-2

Page 1 of 2

Sample Number 2557392-1
Sample Date Jul 04, 2025 10:15 AM
Sample Description Wastewater
Location WHA ESIE4 : Holding Pond
Date Analysis Commenced Jul 07, 2025
Condition of Sample Contained in two glass vials, one amber glass bottle and nine plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.009	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.15	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.001	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3500-Cr B	Bangkok
Lead	mg/L	0.0003	0.0005	Not Detected	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.09	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Technical Management

Savitree N.

Savitree Naisangiam
Manager
โทรศัพท์ 204-0-0007

Approved by

Kanokorn Anek

Assistant General Manager
โทรศัพท์ 204-0-0004

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5217-052 (ENGL)

5/Report/AL_GL-nt (1/2004)



Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Phuaakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 2557392
Date Received : Jul 04, 2025
Date Reported : Jul 12, 2025
Report Number : 3335415-2

Page 1 of 2

Sample Number	2557392-1						
Sampled Date	Jul 04, 2025 10:15 AM						
Sample Description	Wastewater						
Location	WHA ESIE4 : Holding Pond						
Date Analysis Commenced	Jul 07, 2025						
Condition of Sample	Contained in two glass vials, one amber glass bottle and nine plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)						
Physical Property	Yellow, some odour, solid and turbid						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Mercury *	mg/L	0.0001	0.0005	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3112	Bangkok
Nickel	mg/L	0.0003	0.0005	0.010	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	<0.0005	≤0.02	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	≤0.75	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.03	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Note : BOD, COD and Dissolved Oxygen Guideline set by Environmental Impact Assessment Report of WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
Sampling By : Narunat thammassaro ๓๓๓๓๓๓๓๓ ๓-323-๓-0052 , Akkarin Budsaktee ๓๓๓๓๓๓๓๓ ๓-204-๓-0196

Remark :
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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management
Savitree N.
Savitree Naisangiam
Manager
๓๓๓๓๓๓๓๓ ๓-204-๓-0007

Approved by
Kankorn Anek
Assistant General Manager
๓๓๓๓๓๓๓๓ ๓-204-๓-0004

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Phuaakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 2557392
Date Received : Jul 04, 2025
Date Reported : Jul 12, 2025
Report Number : 3335415-3

Page 1 of 2

Sample Number	2557392-1						
Sampled Date	Jul 04, 2025 10:15 AM						
Sample Description	Wastewater						
Location	WHA ESIE4 : Holding Pond						
Date Analysis Commenced	Jul 04, 2025						
Condition of Sample	Contained in two glass vials, one amber glass bottle and nine plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)						
Physical Property	Yellow, some odour, solid and turbid						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminium	mg/L	0.003	0.005	0.08	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Iron	mg/L	0.003	0.005	0.08	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Microbiological Testing							
Total Coliform	MPN/100mL	-	-	3300.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L	0.05	0.1	2.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (D)	Rayong
Conductivity at 25 Degree C *	micromhos/cm	-	0.5	1226	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen *	mg/L	-	0.1	6.7	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
Fluoride as F *	mg/L	0.06	0.2	0.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-F (D)	Rayong

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Approved by
Savitree N.
Savitree Naisangiam
Manager

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Analysis / Test Report

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616/1 Moo 6, Tambol Maenamkoo, Amphur Phuaakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 2557392
Date Received : Jul 04, 2025
Date Reported : Jul 12, 2025
Report Number : 3335415-3

Page 2 of 2

Sample Number	2557392-1						
Sampled Date	Jul 04, 2025 10:15 AM						
Sample Description	Wastewater						
Location	WHA ESIE4 : Holding Pond						
Date Analysis Commenced	Jul 04, 2025						
Condition of Sample	Contained in two glass vials, one amber glass bottle and nine plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)						
Physical Property	Yellow, some odour, solid and turbid						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Nitrate as N *	mg/L	0.015	0.05	2.23	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong
Salinity *	ppt	-	0.1	0.6	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Note : BOD, COD and Dissolved Oxygen Guideline set by Environmental Impact Assessment Report of WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
Sampling By : Narunat thammassaro ๓๓๓๓๓๓๓๓ ๓-323-๓-0052 , Akkarin Budsaktee ๓๓๓๓๓๓๓๓ ๓-204-๓-0196

Remark :
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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

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Approved by
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Savitree Naisangiam
Manager

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P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 2569021
Date Received : Aug 04, 2025
Date Reported : Aug 11, 2023
Report Number : v642023

Page 1 of 1

Sample Number	216f 0213						
Sampled Date	Aug 04, 2023 2:07 PM						
Sample Description	Wastewater						
Location	WHA ESIE4 : Holding Pond						
Date Analysis Commenced	Aug 04, 2023						
Condition of Sample	Contained in one amber glass bottle, two glass Dals and nine plastic bottles, sample containers comply to pretreatment 3						
Physical Property	preservation standards 9APHA, USEPA. (ellow, some odour, solid and turbid						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Y 5 Si days at 20 5egree C.	mg/L	3	20	6Q	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA x WEF, 24th ed 2023, part 1210), part 4100 3Y F	Rayong
CY 5	mg/L	1Q	23	2G	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA x WEF, 24th ed 2023, part 1220 5	Rayong
Color 5at 9riginal pH.	ASMI	3	3	2f	≤v00	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA x WEF, 24th ed 2023, part 2120 B	Rayong
Color 5at pH 7.0.	ASMI	3	3	2f	≤v00	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA x WEF, 24th ed 2023, part 2120 B	Rayong
Cyanide as C-	mg/L	0.001	0.003	< 0.5 elected	≤0Q	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA x WEF, 24th ed 2023, part 4100C- IC, E	Rayong
formaldehyde	mg/L	0.0v	0Q	<0Q	≤10	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed 2004	Rayong
Yil x Frease	mg/L	3	v	<v	≤3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA x WEF, 24th ed 2023, part 1210)	Rayong
pH at 23 degree C		3	3	70	10.3 0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA x WEF, 24th ed 2023, part 4100 31 H 9.	Rayong

Technical Management
Pothchana S.
Pothchana Seeda
Scientist 9A
๓๓๓๓๓๓๓๓ ๓-2v3-3002G

Approved by
Saj Changchon
Senior Manager
๓๓๓๓๓๓๓๓ ๓-2v3-30001

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Analysis / Test Report

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616/1 Moo 6, Tambol Maenamkoo, Amphur Phuaadeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 2569021
Date Received : Aug 04, 2023
Date Reported : Aug 11, 2023
Report Number : v642023

Page 2 of 2

Sample Number	2361021						
Sample Date	Aug 04, 2023 2:07 PM						
Sample Description	Wastewater						
Location	WHA ESIE4 : Holding Pond						
Date Analysis Commenced	Aug 04, 2023						
Condition of Sample	Contained in one amber glass bottle, two glass Dials and nine plastic bottles, sample containers comply to pretreatment 3 preservation standards (APHA, USEPA). (yellow, some odour, solid and turbid)						
Physical Property							
Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Phenol	mg/L	0.001	0.001	0.001	≤1.0	Standard Methods for the Examination of Water and Wastewater (APHA, AWWA & WEF, 24th ed 2022, part 3110) 5	Rayong
Residual Free Chlorine	mg/L	3	0.0	<0.0	≤1.0	Standard Methods for the Examination of Water and Wastewater (APHA, AWWA & WEF, 24th ed 2022, part 4500.30) 9b	Rayong
Sulfide	mg/L	3	0.0	<0.0	≤1.0	Standard Methods for the Examination of Water and Wastewater (APHA, AWWA & WEF, 24th ed 2022, part 4500.32) 9c, &	Rayong
Temperature	degree C	3	3	22.0	≤40	Standard Methods for the Examination of Water and Wastewater (APHA, AWWA & WEF, 24th ed 2022, part 2130) 3	Rayong
Total Dissolved Solids Frit at 100 degree C	mg/L	3	3	672	≤5000	Standard Methods for the Examination of Water and Wastewater (APHA, AWWA & WEF, 24th ed 2022, part 2540 C	Rayong
Total *Jeldahl - Nitrogen as -	mg/L	3	1.0	1.0	≤100	Standard Methods for the Examination of Water and Wastewater (APHA, AWWA & WEF, 24th ed 2022, part 4500.30) 9c, part - 4500.30	Rayong
Total Suspended Solids Frit at 100/1000 degree C	mg/L	3	3	3	≤10	Standard Methods for the Examination of Water and Wastewater (APHA, AWWA & WEF, 24th ed 2022, part 2540 C	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by - notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by - notification of the Ministry of Industry dated June 07, 2560 (2017).
Note : 1) Y5, CY5 and Dissolved Oxygen Guideline set by Environmental Impact Assessment Report of WHA Eastern Seaboard Industrial Estate 4 Co. Ltd.
Sampling By : Wasan Kinnud Wastewater 13/2/3/3001, Pattarapol Sawangjaitam Wastewater 13/2/3/3002

Remark :

Technical Management
Photchanas
Photchanas Seeda
Scientist 9A
Wastewater 13/2/3/3002G

Approved by
Suj Changchon
Senior Manager
Wastewater 13/2/3/3001

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Phuaadeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 2569021
Date Received : Aug 04, 2023
Date Reported : Aug 11, 2023
Report Number : v642023

Page 2 of 2

- LY5	: Limit of detection
- "<"	: Lower than LYQ limit of Quantitation. / LYR limit of Reporting.
- Analytes, marked B & G	are not included in scope of accreditation ISO/IEC 17020
- Sampling	is not included in scope of accreditation ISO/IEC 17020

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of the Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Wasan Kinnud Wastewater 13/2/3/3001, Pattarapol Sawangjaitam Wastewater 13/2/3/3002

Remark :

Technical Management
Photchanas
Photchanas Seeda
Scientist 9A
Wastewater 13/2/3/3002G

Approved by
Suj Changchon
Senior Manager
Wastewater 13/2/3/3001

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Phuaadeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 2569021
Date Received : Aug 04, 2025
Date Reported : Aug 11, 2025
Report Number : 3364202-2

Page 1 of 2

Page 1 of 2

Sample Number	2569021-1						
Sampled Date	Aug 04, 2025 2:07 PM						
Sample Description	Wastewater						
Location	WHA ESIE4 : Holding Pond						
Date Analysis Commenced	Aug 05, 2025						
Condition of Sample	Contained in one amber glass bottle, two glass vials and nine plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Physical Property	Yellow, some odour, solid and turbid						
Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.006	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.08	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.001	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Lead	mg/L	0.0003	0.0005	Not Detected	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.05	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Technical Management
Chanattagorn Imchom
Section Head
Wastewater 13/2/3/3008

Approved by
Kanokorn Anek
Assistant General Manager
Wastewater 13/2/3/3004

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Phuaadeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 2569021
Date Received : Aug 04, 2025
Date Reported : Aug 11, 2025
Report Number : 3364202-2

Page 2 of 2

Sample Number	2569021-1						
Sampled Date	Aug 04, 2025 2:07 PM						
Sample Description	Wastewater						
Location	WHA ESIE4 : Holding Pond						
Date Analysis Commenced	Aug 05, 2025						
Condition of Sample	Contained in one amber glass bottle, two glass vials and nine plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Physical Property	Yellow, some odour, solid and turbid						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3112	Bangkok
Nickel	mg/L	0.0003	0.0005	0.010	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	≤0.02	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	≤0.75	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.02	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Wisan Kinnuti วิสณคุณวุฒิ ร-323-๐-0019 , Pattarapol Sawangjaitam ปัตตารapol Sawangjaitam ร-204-๐-0002

Remark :

- LOD : Limit of Detection
- " < " : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of the Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Wasan Kinnud Wastewater 13/2/3/3001, Pattarapol Sawangjaitam Wastewater 13/2/3/3002

Remark :

Technical Management
Chanattagorn Imchom
Section Head
Wastewater 13/2/3/3008

Approved by
Kanokorn Anek
Assistant General Manager
Wastewater 13/2/3/3004

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

TESTING

No.0009

Lot ID: 2569021

Date Received : Aug 04, 2025

Date Reported : Aug 11, 2025

Report Number : 3364202-3

Client : WHA Utilities and Power Public Company Limited

616/1 Moo 6, Tambol Maenamkoo, Amphur Plauekdaeng, Rayong Thailand 21140

P/O :

Project Name :

Project Location : WHA ESIE 4

Sample Number 2569021-1
Sampled Date Aug 04, 2025 2:07 PM
Sample Description Wastewater
Location WHA ESIE4 : Holding Pond
Date Analysis Commenced Aug 04, 2025
Condition of Sample Contained in one amber glass bottle, two glass vials and nine plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and turbid

Page 1 of 2

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminium	mg/L	0.003	0.005	0.03	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F	Bangkok
Iron	mg/L	0.003	0.005	0.05	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F	Bangkok
Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F	Bangkok
Microbiological Testing							
Total Coliform	MPN/100mL	-	-	3300.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L	0.05	0.1	1.9	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (D)	Rayong
Conductivity at 25 Degree C *	micromhos/cm	-	0.5	1179	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen *	mg/L	-	0.1	3.3	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
Fluoride as F *	mg/L	0.06	0.2	0.6	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-F (D)	Rayong

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Approved by

Chanatt L.
Chanattang Inthom
Section Head

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Analysis / Test Report

TESTING

No.0009

Lot ID: 2569021

Date Received : Aug 04, 2025

Date Reported : Aug 11, 2025

Report Number : 3364202-3

Client : WHA Utilities and Power Public Company Limited

616/1 Moo 6, Tambol Maenamkoo, Amphur Plauekdaeng, Rayong Thailand 21140

P/O :

Project Name :

Project Location : WHA ESIE 4

Sample Number 2569021-1
Sampled Date Aug 04, 2025 2:07 PM
Sample Description Wastewater
Location WHA ESIE4 : Holding Pond
Date Analysis Commenced Aug 04, 2025
Condition of Sample Contained in one amber glass bottle, two glass vials and nine plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and turbid

Page 2 of 2

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Nitrate as N *	mg/L	0.015	0.05	5.14	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong
Salinity *	ppt	-	0.1	0.6	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Note : BOD, COD and Dissolved Oxygen Guideline set by Environmental Impact Assessment Report of WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.

Sampling By : Wasan Kinunt , Pattarapol Sawangjalarn

Remark :

- LOD : Limit of Detection
- "L" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analytic(s) marked * where not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

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Approved by

Chanatt L.
Chanattang Inthom
Section Head

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Analysis / Test Report

TESTING

No.0042

Lot ID: 2577383

Date Received : Sep 02, 2023

Date Reported : Sep 09, 2023

Report Number : 33-13111N

Client : WHA Utilities and Power Public Company Limited

616/1 Moo 6, Tambol Maenamkoo, Amphur Plauekdaeng, Rayong Thailand 21140

P/O :

Project Name :

Project Location : WHA ESIE 4

Sample Number 21993-3N
Sampled Date Sep 02, 2023 10:41 AM
Sample Description Wastewater
Location WHA ESIE4 : Holding Pond
Date Analysis Commenced Sep 02, 2023
Condition of Sample Contained in two glass Dials, one amber glass bottle and nine plastic bottles. Sample containers comply to pretreatment N preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and no turbid

Page 1 of 3

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOS (7 days at 20 Degree C)	mg/L	N	2.0	9-	≤10	Standard Methods 7r the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 1210 B, part 4100 H-5	Rayong
COD	mg/L	1.3	21	43	≤100	Standard Methods 7r the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 1210 B	Rayong
Color (at Original pH)	ASMI	N	3	31	≤300	Standard Methods 7r the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 1210 F	Rayong
Color (at pH 9.0)	ASMI	N	3	2-	≤300	Standard Methods 7r the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 1210 F	Rayong
Cyanide as Cf	mg/L	0.001	0.003	0.003	≤0.2	Standard Methods 7r the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4100NF (C, E)	Rayong
Formaldehyde	mg/L	0.03	0.1	<0.1	≤1.0	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed., 2004	Rayong
Oil & Grease	mg/L	N	3	<3	≤3	Standard Methods 7r the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 1210 B	Rayong
pH at 23 degree C		N	N	9.9	7.1-9.0	Standard Methods 7r the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4100 NH (B)	Rayong

Technical Management

Jitsupa P.
Jitsupa Prathangsuak
Scientist (2)
หมายเลขประจำเครื่อง 2577383N0004

Approved by

Sel Changchon
Senior Manager
หมายเลขประจำเครื่อง 2577383N0001

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Analysis / Test Report

TESTING

No.0042

Lot ID: 2577383

Date Received : Sep 02, 2023

Date Reported : Sep 09, 2023

Report Number : 33-13111N

Client : WHA Utilities and Power Public Company Limited

616/1 Moo 6, Tambol Maenamkoo, Amphur Plauekdaeng, Rayong Thailand 21140

P/O :

Project Name :

Project Location : WHA ESIE 4

Sample Number 21993-3N
Sampled Date Sep 02, 2023 10:41 AM
Sample Description Wastewater
Location WHA ESIE4 : Holding Pond
Date Analysis Commenced Sep 02, 2023
Condition of Sample Contained in two glass Dials, one amber glass bottle and nine plastic bottles. Sample containers comply to pretreatment N preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and no turbid

Page 2 of 3

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Phenol	mg/L	0.003	0.01	<0.010	≤1.0	Standard Methods 7r the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 1330 B, 5	Rayong
Residual Free Chlorine *	mg/L	N	0.1	<0.1	≤1.0	Standard Methods 7r the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4100NF (F)	Rayong
Sulfide *	mg/L	N	0.3	<0.3	≤1.0	Standard Methods 7r the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4100NF (C, F)	Rayong
Temperature *	5egree C	N	N	31.0	≤40	Standard Methods 7r the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong
Total Suspended Solids Sried at 1-0 degree C	mg/L	N	3	164	≤3000	Standard Methods 7r the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2140 C	Rayong
Total Kjeldahl f Nitrogen as f	mg/L	N	1.0	-1	≤100	Standard Methods 7r the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4100NF (C), part 113 (S)	Rayong
Total Suspended Solids Sried at 103N01 degree C	mg/L	N	3	6	≤10	Standard Methods 7r the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2140 S	Rayong

Guideline : Effluent standard 7r factories, industrial estate and industrial park set by f otification of the Ministry of Natural Resource and Endronment and effluent standard 7r factories and industrial park set by f otification of The Ministry of Industry dated June 09, B.E.2560 (2019).

Note : BOS, COD and Sissolved Oxygen Guideline set by Endronmental Impact Assessment Report of WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.

Sampling By : Suphanat Sakulittimasak หมายเลขประจำเครื่อง 2577383N0021 , Samart Khumphet หมายเลขประจำเครื่อง 2577383N00-4

Remark :

Technical Management

Jitsupa P.
Jitsupa Prathangsuak
Scientist (2)
หมายเลขประจำเครื่อง 2577383N0004

Approved by

Sel Changchon
Senior Manager
หมายเลขประจำเครื่อง 2577383N0001

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Plauckdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 2577383
Date Received : Sep 02, 2023
Date Reported : Sep 09, 2023
Report Number : 33733174

Page 3 of 3

- LOD : Limit of detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 19025.
- Sampling is not included in scope of accreditation ISO/IEC 19023

Technical Management

Jitsupa P.
Jitsupa Prathangskul
Scientist (2)
โทรศัพท์ 0823310004

Approved by

D. Manan
Sel Changchong
Senior Manager
โทรศัพท์ 0823310001

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Plauckdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 2577383
Date Received : Sep 02, 2023
Date Reported : Sep 09, 2023
Report Number : 3385555-2

Page 1 of 2

Sample Number : 2577383-1
Sampled Date : Sep 02, 2025 10:45 AM
Sample Description : Wastewater
Location : WHA ESIE4 : Holding Pond
Date Analysis Commenced : Sep 03, 2025
Condition of Sample : Contained in two glass vials, one amber glass bottle and nine plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property : Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.007	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.10	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.001	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3500-Cr B	Bangkok
Lead	mg/L	0.0003	0.0005	<0.0005	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.05	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Technical Management

Savitree N.
Savitree Naisangiam
Manager
โทรศัพท์ 0823310007

Approved by

Kanokorn Anek
Kanokorn Anek
Assistant General Manager
โทรศัพท์ 0823310004

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5237-052 (ENGL)

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Plauckdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 2577383
Date Received : Sep 02, 2023
Date Reported : Sep 09, 2023
Report Number : 3385555-2

Page 2 of 2

Page 1 of 2

Sample Number	2577383-1						
Sampled Date	Sep 02, 2025 10:45 AM						
Sample Description	Wastewater						
Location	WHA ESIE4 : Holding Pond						
Date Analysis Commenced	Sep 03, 2025						
Condition of Sample	Contained in two glass vials, one amber glass bottle and nine plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)						
Physical Property	Yellow, some odour, solid and no turbid						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Mercury *	mg/L	0.0001	0.0005	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3112	Bangkok
Nickel	mg/L	0.0003	0.0005	0.01	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	0.0006	≤0.02	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	≤0.75	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.02	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Note : BOD, COD and Dissolved Oxygen Guideline set by Environmental Impact Assessment Report of WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
Sampling By : Suphanat Sakulittimasak โทรศัพท์ 0823310021, Samart Khumplhee โทรศัพท์ 0823310084

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 19025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management

Savitree N.
Savitree Naisangiam
Manager
โทรศัพท์ 0823310007

Approved by

Kanokorn Anek
Kanokorn Anek
Assistant General Manager
โทรศัพท์ 0823310004

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5237-052 (ENGL)

S:\Reports_AL_GL-qr (8-10PM)



Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Plauckdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 2577383
Date Received : Sep 02, 2023
Date Reported : Sep 09, 2023
Report Number : 3385555-3

Page 1 of 2

Sample Number : 2577383-1
Sampled Date : Sep 02, 2025 10:45 AM
Sample Description : Wastewater
Location : WHA ESIE4 : Holding Pond
Date Analysis Commenced : Sep 02, 2025
Condition of Sample : Contained in two glass vials, one amber glass bottle and nine plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property : Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminium	mg/L	0.003	0.005	0.03	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Iron	mg/L	0.003	0.005	0.05	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Microbiological Testing							
Total Coliform	MPN/100mL	-	-	1300.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L	0.05	0.1	5.2	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (D)	Rayong
Conductivity at 25 Degree C *	micromhos/cm	-	0.5	1148	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen *	mg/L	-	0.1	4.3	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
Fluoride as F *	mg/L	0.06	0.2	0.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-F (D)	Rayong

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Approved by

Savitree N.
Savitree Naisangiam
Manager

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5237-052 (ENGL)

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Plaakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 2577383
Date Received : Sep 02, 2025
Date Reported : Sep 09, 2025
Report Number : 3385555-3

Page 2 of 2

Sample Number : 2577383-1
Sampled Date : Sep 02, 2025 10:45 AM
Sample Description : Wastewater
Location : WHA ESIE4 : Holding Pond
Date Analysis Commenced : Sep 02, 2025
Condition of Sample : Contained in two glass vials, one amber glass bottle and nine plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property : Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Nitrate as N *	mg/L	0.015	0.05	8.39	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong
Salinity *	ppt	-	0.1	0.6	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Note : BOD, COD and Dissolved Oxygen Guideline set by Environmental Impact Assessment Report of WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
Sampling By : Suphanat Sakulkitmasak , Samart Khumplinee

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

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Approved by

Savitree N.
Savitree Nongsiam
Manager

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5317-ESV-ENGL

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Plaakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 2587816
Date Received : J ct 06, 2025
Date Reported : J ct 14, 2025
Report Number : 340-5N6/1

Page 2 of 3

Sample Number : 25-N-16/1
Sampled Date : J ct 06, 2025 :3- AM
Sample Description : Wastewater
Location : WHA ESIE4 : Holding Pond
Date Analysis Commenced : J ct 06, 2025
Condition of Sample : Contained in one amber glass bottle, two glass vials and nine plastic bottles, sample containers comply to pretreatment f preservation standards (APHA, USEPA)
Physical Property : Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Phenol	mg/L	0.005	0.01	≤1.0		Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5530 B, D	Rayong
Residual Free Chlorine *	mg/L	f	0.1	<0.1	≤1.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500(Cl) (F)	Rayong
Sulfide *	mg/L	f	0.05	<0.05	≤1.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500(S2) (C, F)	Rayong
Temperature *	Degree C	f	f	30.1	≤40	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 1-0 degree C	mg/L	f	5	42-	≤3000	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	f	1.0	3x	≤100	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500(N) (C), part 7.13 (D)	Rayong
Total Suspended Solids Dried at 103/105 degree C	mg/L	f	5	-	≤50	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Note : BOD, COD and Dissolved Oxygen Guideline set by Environmental Impact Assessment Report of WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
Sampling By : Wuttiphat Intakul , Kardsundit Kitisupavanit มอดุณนสวณร ร3233f0001

Remark :

Technical Management

Jitsupa P.
Jitsupa Prathangsuak
Scientist (2)
มอดุณนสวณร ร3233f0004

Approved by

Del Changchon
Senior Manager
มอดุณนสวณร ร3233f0001

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
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P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 2587816
Date Received : J ct 06, 2025
Date Reported : J ct 14, 2025
Report Number : 340-5N6/1

Page 1 of 3

Sample Number : 25-N-16/1
Sampled Date : J ct 06, 2025 :3- AM
Sample Description : Wastewater
Location : WHA ESIE4 : Holding Pond
Date Analysis Commenced : J ct 06, 2025
Condition of Sample : Contained in one amber glass bottle, two glass vials and nine plastic bottles, sample containers comply to pretreatment f preservation standards (APHA, USEPA)
Physical Property : Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	f	2.0	4.2	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 (F) G	Rayong
Cl D	mg/L	1.6	25	26	≤100	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at 1 g/linal pH)	ADMI	f	5	20	≤300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 10)	ADMI	f	5	1.	≤300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Cyanide as C7	mg/L	0.001	0.005	0.005	≤0.02	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500(C7) (C, E)	Rayong
Formaldehyde	mg/L	0.03	0.1	7.01 Detected	≤1.0	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed., 2004	Rayong
J & Grease	mg/L	f	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		f	f	6.6	5.6/ 8.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 F H (B)	Rayong

Technical Management

Jitsupa P.
Jitsupa Prathangsuak
Scientist (2)
มอดุณนสวณร ร3233f0004

Approved by

Del Changchon
Senior Manager
มอดุณนสวณร ร3233f0001

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Analysis / Test Report

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P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 2587816
Date Received : J ct 06, 2025
Date Reported : J ct 14, 2025
Report Number : 340-5N6/1

Page 3 of 3

- LOD : Limit of Detection
- "<" : Lower than LQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025
- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management

Jitsupa P.
Jitsupa Prathangsuak
Scientist (2)
มอดุณนสวณร ร3233f0004

Approved by

Del Changchon
Senior Manager
มอดุณนสวณร ร3233f0001

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P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 2599800
vate Recesed : 05 04, 2020
vate Reported : 05 11, 2020
Report Number : 343-130N

Page 1 of 3

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOV (D days at 20 degree C)	mg/L	N	2.0	<2.0	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part D210 B, part 4000 H O	Rayong
COV	mg/L	1.0	2.0	<2.0	≤100	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part D220 v	Rayong
Color (at Original pH)	Av MI	N	D	26	≤300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH - .0)	Av MI	N	D	24	≤300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Cyanide as Cl	mg/L	0.001	0.00D	0.00D	≤0.2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4000C (C, E)	Rayong
Formaldehyde	mg/L	0.03	0.1	Not detected	≤1.0	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed., 2004	Rayong
Oil & Grease	mg/L	N	3	<3	≤D	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part D200 B	Rayong
pH at 2D degree C		N	N	- .D	D.D.F.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4000 NH (B)	Rayong

Technical Management

Jitsupa P.
Jitsupa Prathangsuak
Scientist (2)
หมายเลขประจำตัว : 25998000004

Approved by

D. Manon
vel Changchon
Senior Manager
หมายเลขประจำตัว : 25998000001

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020-18222 (ENGL)

S. Reports 240022, 02 (3.3499%)



Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Plauckdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 2599800
vate Recesed : 05 04, 2020
vate Reported : 05 11, 2020
Report Number : 343-130N

Page 2 of 3

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Phenol	mg/L	0.00D	0.01	<0.010	≤1.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part D230 B, v	Rayong
Residual Free Chlorine *	mg/L	N	0.1	<0.1	≤1.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4000D (F)	Rayong
Sulfide *	mg/L	N	0.0	<0.0	≤1.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4000G2 (C, F)	Rayong
Temperature *	degree C	N	N	29.9	≤40	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part D200 B	Rayong
Total dissolved Solids vried at 190 degree C	mg/L	N	D	329	≤3000	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part D240 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	N	1.0	D.3	≤100	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4000 org (C), part 1143 (v)	Rayong
Total Suspended Solids vried at 10300D degree C	mg/L	N	D	<D	≤D	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part D200 v	Rayong

Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of the Ministry of Industry dated June 0 - .B.E.2560 (201 -).
Note : BOV, COV and dissolved Oxygen Guideline set by Environmental Impact Assessment Report of WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.

Sampling By : J arunat thammassara หมายเลขประจำตัว : 25998000002 , Patchanon Inpruk หมายเลขประจำตัว : 25998000001

Remark :

Technical Management

Jitsupa P.
Jitsupa Prathangsuak
Scientist (2)
หมายเลขประจำตัว : 25998000004

Approved by

D. Manon
vel Changchon
Senior Manager
หมายเลขประจำตัว : 25998000001

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S. Reports 240022, 02 (3.3499%)



Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Plauckdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 2599800
vate Recesed : 05 04, 2020
vate Reported : 05 11, 2020
Report Number : 343-130N

Page 3 of 3

- LOD : Limit of detection
- "L" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 1- 020.
- Sampling is not included in scope of accreditation ISO/IEC 1- 020

Technical Management

Jitsupa P.
Jitsupa Prathangsuak
Scientist (2)
หมายเลขประจำตัว : 25998000004

Approved by

D. Manon
vel Changchon
Senior Manager
หมายเลขประจำตัว : 25998000001

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S. Reports 240022, 02 (3.3499%)



Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Plauckdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 2599800
vate Recesed : 05 04, 2020
vate Reported : 05 04, 2020
Report Number : 3438130-2

Page 1 of 2

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.000v	0.004	≤0.2v	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 312v B, 3030 F	Bangkok
Barium	mg/L	0.0003	0.000v	0.08	≤1.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 312v B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.000v	Not detected	≤0.03	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 312v B, 3030 F	Bangkok
Copper	mg/L	0.0003	0.000v	0.001	≤2.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 312v B, 3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not detected	≤0.2v	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 312v B, 3030 F	Bangkok
Lead	mg/L	0.0003	0.000v	Not detected	≤0.2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 312v B, 3030 F	Bangkok
Manganese	mg/L	0.0003	0.000v	0.04	≤v.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 312v B, 3030 F	Bangkok

Technical Management

Savitree N.
Savitree Saisangiam
Manager
หมายเลขประจำตัว : 204-1-0008

Approved by

sanokorn Anek
Assistant General Manager
หมายเลขประจำตัว : 204-G-0004

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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S. Reports 240022, 02 (3.3499%)



Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Plaakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING

No.0009
Lot ID: 2599800
Date Received : 5:00:04, 202v
Date Reported : 5:01:11, 202v
Report Number : 3438130-2

Page 2 of 2

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Mercury	mg/L	0.0001	0.000v	5ot 9etected	≤0.00v	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3112	Bangkok
Sickel	mg/L	0.0003	0.000v	0.008	≤1.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 312v B,3030 F	Bangkok
Selenium	mg/L	0.0003	0.000v	5ot 9etected	≤0.02	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 312v B,3030 F	Bangkok
TriValent Chromium	mg/L	-	0.01	* 0.01	≤0.8v	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 312v B,3030 F	Bangkok
Zinc	mg/L	0.003	0.00v	0.03	≤v.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 312v B,3030 F	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of the Ministry of Industry dated June 08, B.E.2560 (2018).

Sampling By : Sarunat Thammasaro <vn'asmas<B-223>-002>, Patchanon Inpruk <vn'asmas<B-204>-0118

Remark :

- L 9 : Limit of detection
- * : Lower than L Q (Limit of Quantitation) / L R (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation IS / IEC 1802v.
- Sampling is not included in scope of Accreditation IS / IEC 1802v

Technical Management

Savitree N.
Savitree Nonsiangam
Manager
<vn'asmas<B-204>-0008

Approved by

Sanokorn Anek
Sanokorn Anek
Assistant General Manager
<vn'asmas<B-204>-G-0004

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Plaakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING

No.0009
Lot ID: 2599800
Date Received : Nov 04, 2025
Date Reported : Nov 11, 2025
Report Number : 3437130-3

Page 1 of 2

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminium	mg/L	0.003	0.005	0.07	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Iron	mg/L	0.003	0.005	0.07	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Microbiological Testing							
Total Coliform	MPN/100mL	-	-	7900.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L	0.05	0.1	4.5	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (D)	Rayong
Conductivity at 25 Degree C *	micromhos/cm	-	0.5	748	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen *	mg/L	-	0.1	4.1	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
Fluoride as F *	mg/L	0.06	0.2	0.4	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-F (D)	Rayong

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Approved by

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Savitree Nonsiangam
Manager

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Analysis / Test Report

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P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING

No.0009
Lot ID: 2599800
Date Received : Nov 04, 2025
Date Reported : Nov 11, 2025
Report Number : 3437130-3

Page 2 of 2

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Nitrate as N *	mg/L	0.015	0.05	4.08	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong
Salinity *	ppt	-	0.1	0.4	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of the Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Narunat Thammasaro , Patchanon Inpruk

Remark :

- LOD : Limit of Detection
- * : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management

Savitree N.
Savitree Nonsiangam
Manager

Approved by

Savitree N.
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Manager

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Analysis / Test Report

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616/1 Moo 6, Tambol Maenamkoo, Amphur Plaakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING

No.0042
Lot ID: 25106631
Date Received : J ec 12, 2025
Date Reported : J ec 21, 2025
Report Number : 4543-3N

Page 1 of 2

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Y J 35 days at 20 J egree C.	mg/L	N	20	60	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th edQ 202v, part 5210 J , part 4500 NH 3	Rayong
CY J	mg/L	10	25	42	≤100	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th edQ 202v, part 5210 J	Rayong
Color 9at riginal pH.	AJ MI	N	5	v2	≤v00	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th edQ 202v, part 2120 B	Rayong
Color 9at pH Q0.	AJ MI	N	5	v1	≤v00	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th edQ 202v, part 2120 B	Rayong
Cyanide as Cf	mg/L	0001	0005	0010	≤0Q	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th edQ 202v, part 4500NC 9C E	Rayong
formaldehyde	mg/L	00v	00	f ot J etected	≤10	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th edQ2004	Rayong
Yil x Frease	mg/L	N	v	<v	≤5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th edQ 202v, part 5210 J	Rayong
pH at 25 degree C		N	N	-0	50N00	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th edQ 202v, part 4500 NH 9.	Rayong

Technical Management

Phatchana S.
Phatchana Sods
Scientist 9d
vn'asmas<B-2v2>-N002-

Approved by

D. Khun
J ej Changchon
Senior Manager
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Analysis / Test Report

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616/1 Moo 6, Tambol Maenamkoo, Amphur Plaakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 25106631
Date Received : 5ec 12, 2020
Date Reported : 5ec 22, 2020
Report Number : 94D4383-2

Page 9 of D

Sample Number : 2D106691-1
Sampled Date : 5ec 12, 2020 10:10 AM
Sample Description : Wastewater
Location : WHA ESIE4 : Holding Pond
Date Analysis Commenced : 5ec 19, 2020
Condition of Sample : Contained in two glass vials, three amber glass bottles and nine plastic bottles, sample containers comply to pretreatment - preservation standards APHA, USEPA.
Physical Property : (yellow, some odour, solid and no turbid)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Pesticides - Organochlorine Group							
2,4-5ST _	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater APHA, AWWA x WEF, 24th ed), 2020, part 6690 5, part 6410 F	Fangkoi
4,4-555 _	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater APHA, AWWA x WEF, 24th ed), 2020, part 6690 5, part 6410 F	Fangkoi
4,4-55E _	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater APHA, AWWA x WEF, 24th ed), 2020, part 6690 5, part 6410 F	Fangkoi
4,4-5ST _	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater APHA, AWWA x WEF, 24th ed), 2020, part 6690 5, part 6410 F	Fangkoi
Aldrin _	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater APHA, AWWA x WEF, 24th ed), 2020, part 6690 5, part 6410 F	Fangkoi
alpha-FHC _	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater APHA, AWWA x WEF, 24th ed), 2020, part 6690 5, part 6410 F	Fangkoi
beta-FHC _	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater APHA, AWWA x WEF, 24th ed), 2020, part 6690 5, part 6410 F	Fangkoi

Technical Management

Savitree N.

Savitree Naisiangiam
Manager
s-ae 0 wusua-204-u-0001

Approved by

sanokorn Anek

Assistant General Manager
s-ae 0 wusua-204-G-0004

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Plaakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 25106631
Date Received : 5ec 12, 2020
Date Reported : 5ec 22, 2020
Report Number : 94D4383-2

Page 4 of D

Sample Number : 2D106691-1
Sampled Date : 5ec 12, 2020 10:10 AM
Sample Description : Wastewater
Location : WHA ESIE4 : Holding Pond
Date Analysis Commenced : 5ec 19, 2020
Condition of Sample : Contained in two glass vials, three amber glass bottles and nine plastic bottles, sample containers comply to pretreatment - preservation standards APHA, USEPA.
Physical Property : (yellow, some odour, solid and no turbid)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Pesticides - Organochlorine Group							
Chlordane _	ug/L	0.02	0.04	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater APHA, AWWA x WEF, 24th ed), 2020, part 6690 5, part 6410 F	Fangkoi
delta-FHC _	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater APHA, AWWA x WEF, 24th ed), 2020, part 6690 5, part 6410 F	Fangkoi
Sieldrin _	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater APHA, AWWA x WEF, 24th ed), 2020, part 6690 5, part 6410 F	Fangkoi
Endosulfan I _	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater APHA, AWWA x WEF, 24th ed), 2020, part 6690 5, part 6410 F	Fangkoi
Endosulfan II _	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater APHA, AWWA x WEF, 24th ed), 2020, part 6690 5, part 6410 F	Fangkoi
Endrin _	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater APHA, AWWA x WEF, 24th ed), 2020, part 6690 5, part 6410 F	Fangkoi
Heptachlor _	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater APHA, AWWA x WEF, 24th ed), 2020, part 6690 5, part 6410 F	Fangkoi

Technical Management

Savitree N.

Savitree Naisiangiam
Manager
s-ae 0 wusua-204-u-0001

Approved by

sanokorn Anek

Assistant General Manager
s-ae 0 wusua-204-G-0004

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Plaakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 25106631
Date Received : 5ec 12, 2020
Date Reported : 5ec 22, 2020
Report Number : 94D4383-2

Page D of D

Sample Number : 2D106691-1
Sampled Date : 5ec 12, 2020 10:10 AM
Sample Description : Wastewater
Location : WHA ESIE4 : Holding Pond
Date Analysis Commenced : 5ec 19, 2020
Condition of Sample : Contained in two glass vials, three amber glass bottles and nine plastic bottles, sample containers comply to pretreatment - preservation standards APHA, USEPA.
Physical Property : (yellow, some odour, solid and no turbid)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Pesticides - Organochlorine Group							
Heptachlor-EpoYide _	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater APHA, AWWA x WEF, 24th ed), 2020, part 6690 5, part 6410 F	Fangkoi
Lindane gamma-FHC _	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater APHA, AWWA x WEF, 24th ed), 2020, part 6690 5, part 6410 F	Fangkoi
Methoxychlor _	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater APHA, AWWA x WEF, 24th ed), 2020, part 6690 5, part 6410 F	Fangkoi

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 01, F3J2060 7011-.)
Note : F05, CO5 and Sissolved Oxygen Guideline set by Environmental Impact Assessment Report of WHA Eastern Seaboard Industrial Estate 4 Co.) Ltd)
Sampling By : Wanyunyo Chimpheale s-ae 0 wusua-929-u-0020, Patchanon Inpruk s-ae 0 wusua-204-u-0131

Remark :
- LOD : Limit of Detection
- "x" : Lower than LOQ Limit of Quantitation / LOR Limit of Reporting
- Analyte(s) marked, - were not included in scope of Accreditation ISO/IEC 17020
- Sampling is not included in scope of accreditation ISO/IEC 17020

Technical Management

Savitree N.

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Manager
s-ae 0 wusua-204-u-0001

Approved by

sanokorn Anek

Assistant General Manager
s-ae 0 wusua-204-G-0004

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
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P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 25106631
Date Received : 5ec 12, 2025
Date Reported : 5ec 22, 2025
Report Number : 34S4989-3

Page 1 of 3

Sample Number : 25106631-1
Sampled Date : Dec 12, 2025 10:10 AM
Sample Description : Wastewater
Location : WHA ESIE4 : Holding Pond
Date Analysis Commenced : Dec 12, 2025
Condition of Sample : Contained in two glass vials, three amber glass bottles and nine plastic bottles, sample containers comply to pretreatment - preservation standards APHA, USEPA)
Physical Property : Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminium	mg/L	0.003	0.005	0.16	No Standard	Standard Methods for the Examination of Water and Wastewater APHA, AWWA x WEF, 24th ed), 2023, part 3125 B.3030 F	Bangkok
Iron	mg/L	0.003	0.005	0.07	No Standard	Standard Methods for the Examination of Water and Wastewater APHA, AWWA x WEF, 24th ed), 2023, part 3125 B.3030 F	Bangkok
Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater APHA, AWWA x WEF, 24th ed), 2023, part 3125 B.3030 F	Bangkok
Microbiological Testing							
Total Coliform	MPN/100mL	-	-	790.0	No Standard	Standard Methods for the Examination of Water and Wastewater APHA, AWWA x WEF, 24th ed), 2023, part 9221 B	Bangkok
Pesticides - Organochlorine Group							
alpha-Chlordane *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater APHA, AWWA x WEF, 24th ed), 2023, part 6630 D, part 6410 B	Bangkok
gamma-Chlordane *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater APHA, AWWA x WEF, 24th ed), 2023, part 6630 D, part 6410 B	Bangkok
Hexachlorobenzene *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater APHA, AWWA x WEF, 24th ed), 2023, part 6630 D, part 6410 B	Bangkok

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Approved by

Savitree N.

Savitree Naisiangiam
Manager

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
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P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 25106631
Date Received : Dec 12, 2025
Date Reported : Dec 22, 2025
Report Number : 3454989-3

Page 2 of 3

Sample Number	25106631-1						
Sampled Date	Dec 12, 2025 10:10 AM						
Sample Description	Wastewater						
Location	WHA ESIE4 : Holding Pond						
Date Analysis Commenced	Dec 12, 2025						
Condition of Sample	Contained in two glass vials, three amber glass bottles and nine plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Physical Property	Yellow, some odour, solid and no turbid						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Pesticides - Organochlorine Group							
Mirex *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L	0.05	0.1	1.3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (D)	Rayong
Conductivity at 25 Degree C *	micromhos/cm	-	0.5	1064	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen *	mg/L	-	0.1	5.9	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
Fluoride as F *	mg/L	0.06	0.2	0.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-F (D)	Rayong
Nitrate as N *	mg/L	0.015	0.05	4.39	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong
Salinity *	ppt	-	0.1	0.5	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Note : BOD, COD and Dissolved Oxygen Guideline set by Environmental Impact Assessment Report of WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.

Sampling By : Warunyoo Chimphakee , Patchanon Inprirk

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Savitree N.
Savitree Naisangiam
Manager

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 25106631
Date Received : Dec 12, 2025
Date Reported : Dec 22, 2025
Report Number : 3454989-3

Page 3 of 3

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Savitree N.
Savitree Naisangiam
Manager

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บริเวณบ่อพักน้ำทิ้งสำหรับกลุ่มอุตสาหกรรมพิเศษ



Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Phrakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 2557422
Date Received : Jul 04, 2025
Date Reported : Jul 11, 2025
Report Number : 3335447-1

Page 1 of 2

Sample Number 2557422-1
Sampled Date Jul 04, 2025 10:35 AM
Sample Description Wastewater Phase 2
Location แปลงน้ำเสียพิกุลและถาวรพิกุล (Holding pond For Special Customer)
Date Analysis Commenced Jul 04, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Colorless, odourless, no solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	Not Detected	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	24	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	22	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C	-	-	-	6.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (F)	Rayong
Temperature *	Degree C	-	-	32.9	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	2120	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

Technical Management

Jitsupa P.

Jitsupa Prathangsuak
Scientist (2)
หมายเลขโทรศัพท์ 3-323-0-0004

Approved by

D. Manon

Dej Changchon
Senior Manager
หมายเลขโทรศัพท์ 3-323-0-0001

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Phrakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 2557422
Date Received : Jul 04, 2025
Date Reported : Jul 11, 2025
Report Number : 3335447-1

Page 2 of 2

Sample Number 2557422-1
Sampled Date Jul 04, 2025 10:35 AM
Sample Description Wastewater Phase 2
Location แปลงน้ำเสียพิกุลและถาวรพิกุล (Holding pond For Special Customer)
Date Analysis Commenced Jul 04, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Colorless, odourless, no solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	40.4	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part N03 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	9	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Amendment details report of Environmental Impact Assessment Report of WHA Eastern Seaboard Industrial Estate 4 (Special Wastewater Quality)
Sampling By : Narunat thammassaro หมายเลขโทรศัพท์ 3-323-0-0052

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management

Jitsupa P.

Jitsupa Prathangsuak
Scientist (2)
หมายเลขโทรศัพท์ 3-323-0-0004

Approved by

D. Manon

Dej Changchon
Senior Manager
หมายเลขโทรศัพท์ 3-323-0-0001

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Phrakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

Lot ID: 2557422
Date Received : Jul 04, 2025
Date Reported : Jul 11, 2025
Report Number : 3335447-2

Page 1 of 1

Sample Number 2557422-1
Sampled Date Jul 04, 2025 10:35 AM
Sample Description Wastewater Phase 2
Location แปลงน้ำเสียพิกุลและถาวรพิกุล (Holding pond For Special Customer)
Date Analysis Commenced Jul 04, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Colorless, odourless, no solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Conductivity at 25 Degree C	micromhos/cm	-	0.5	3076	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	6.6	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-D (G)	Rayong
Flow rate	m ³ /s	-	-	0.011	No Standard	Flow meter	Rayong
Fluoride as F	mg/L	0.06	0.2	2.8	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-F (D)	Rayong
Silica as SiO ₂	mg/L	0.2	0.5	27.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-SiO ₂ (C)	Rayong

Guideline : Amendment details report of Environmental Impact Assessment Report of WHA Eastern Seaboard Industrial Estate 4 (Special Wastewater Quality)
Sampling by : Narunat thammassaro

- Remark :
- LOD : Limit of Detection
 - "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Jitsupa P.

Jitsupa Prathangsuak
Scientist (2)

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Phrakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 2569040
Date Received : Aug 04, 2025
Date Reported : Aug 11, 2025
Report Number : 3364333-1

Page 1 of 2

Sample Number 2569040-1
Sampled Date Aug 04, 2025 2:25 PM
Sample Description Wastewater Phase 2
Location แปลงน้ำเสียพิกุลและถาวรพิกุล (Holding pond For Special Customer)
Date Analysis Commenced Aug 04, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	<5	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	<5	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C	-	-	-	7.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (F)	Rayong
Temperature *	Degree C	-	-	33.9	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	2340	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

Technical Management

Photchanas

Photchanas Seeda
Scientist (4)
หมายเลขโทรศัพท์ 3-323-0-0028

Approved by

D. Manon

Dej Changchon
Senior Manager
หมายเลขโทรศัพท์ 3-323-0-0001

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
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P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 2569040
Date Received : Aug 04, 2025
Date Reported : Aug 11, 2025
Report Number : 3364333-1

Page 2 of 2

Sample Number 2569040-1
Sample Date Aug 04, 2025 2:25 PM
Sample Description Wastewater Phase 2
Location แปลงน้ำเสาะพืชมูลและกากอาหารหมู (Holding pond For Special Customer)
Date Analysis Commenced Aug 04, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	55.9	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	31	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Amendment details report of Environmental Impact Assessment Report of WHA Eastern Seaboard Industrial Estate 4 (Special Wastewater Quality)
Sampling By : Wasan Kinunti รับผิดชอบการสุ่ม 323-4-0019

Remark :
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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management

Photchanas

Photchanas Seada
Scientist (4)
รับผิดชอบการสุ่ม 323-4-0028

Approved by

Dej Changchon

Dej Changchon
Senior Manager
รับผิดชอบการสุ่ม 323-4-0001

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
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P/O :
Project Name :
Project Location : WHA ESIE 4

Lot ID: 2569040
Date Received : Aug 04, 2025
Date Reported : Aug 11, 2025
Report Number : 3364333-2

Page 1 of 1

Sample Number 2569040-1
Sample Date Aug 04, 2025 2:25 PM
Sample Description Wastewater Phase 2
Location แปลงน้ำเสาะพืชมูลและกากอาหารหมู (Holding pond For Special Customer)
Date Analysis Commenced Aug 04, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Ammonia Nitrogen	mg/L	0.05	0.1	45.9	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (D)	Rayong
Conductivity at 25 Degree C	micromhos/cm	-	0.5	3185	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.4	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
Flow rate	m3/s	-	-	0.0775	No Standard	Flow meter	Rayong
Fluoride as F	mg/L	0.06	0.2	3.2	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-F (D)	Rayong
Silica as SiO2	mg/L	0.2	0.5	47.6	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-SiO2 (C)	Rayong

Guideline : Amendment details report of Environmental Impact Assessment Report of WHA Eastern Seaboard Industrial Estate 4 (Special Wastewater Quality)
Sampling by : Wasan Kinunti

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Photchanas

Photchanas Seada
Scientist (4)

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Plauckdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 2577409
Date Received : Sep 02, 2025
Date Reported : Sep 09, 2025
Report Number : 3385586-1

Page 2 of 2

Sample Number 2577409-1
Sample Date Sep 02, 2025 11:00 AM
Sample Description Wastewater Phase 2
Location แปลงน้ำเสาะพืชมูลและกากอาหารหมู (Holding pond For Special Customer)
Date Analysis Commenced Sep 02, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O C	Rayong
COD	mg/L	1.5	25	<25	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	<5	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	<5	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C	-	-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (F)	Rayong
Temperature *	Degree C	-	-	32.1	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1920	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

Technical Management

Jitsupa P.

Jitsupa Prathangsuak
Scientist (2)
รับผิดชอบการสุ่ม 323-4-0004

Approved by

Dej Changchon

Dej Changchon
Senior Manager
รับผิดชอบการสุ่ม 323-4-0001

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Plauckdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

Lot ID: 2577409
Date Received : Sep 02, 2025
Date Reported : Sep 09, 2025
Report Number : 3385586-1

Page 2 of 2

Sample Number 2577409-1
Sample Date Sep 02, 2025 11:00 AM
Sample Description Wastewater Phase 2
Location แปลงน้ำเสาะพืชมูลและกากอาหารหมู (Holding pond For Special Customer)
Date Analysis Commenced Sep 02, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	30.5	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	14	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Amendment details report of Environmental Impact Assessment Report of WHA Eastern Seaboard Industrial Estate 4 (Special Wastewater Quality)
Sampling By : Suphanat Sakulkitmasak รับผิดชอบการสุ่ม 323-4-0021

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management

Jitsupa P.

Jitsupa Prathangsuak
Scientist (2)
รับผิดชอบการสุ่ม 323-4-0004

Approved by

Dej Changchon

Dej Changchon
Senior Manager
รับผิดชอบการสุ่ม 323-4-0001

Results apply to the sample(s) as identified, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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S127-052 (ENGL)

S:\Report\AL_GL_rpt (1-45PM)



Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Phuaakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

Lot ID: 2577409
Date Received : Sep 02, 2025
Date Reported : Sep 09, 2025
Report Number : 3385586-2

Page 1 of 1

Sample Number : 2577409-1
Sampled Date : Sep 02, 2025 11:00 AM
Sample Description : Wastewater Phase 2
Location : แปลงน้ำเสาะพูนดินและพรวนดิน (Holding pond For Special Customer)
Date Analysis Commenced : Sep 02, 2025
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property : Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Ammonia Nitrogen	mg/L	0.05	0.1	22.3	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (D)	Rayong
Conductivity at 25 Degree C	micromhos/cm	-	0.5	2750	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.7	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
Flow rate	m3/s	-	-	0.0222	No Standard	Flow meter	Rayong
Fluoride as F	mg/L	0.06	0.2	4.1	≤5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-F (D)	Rayong
Silica as SiO2	mg/L	0.2	0.5	42.4	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-SiO2 (C)	Rayong

Guideline : Amendment details report of Environmental Impact Assessment Report of WHA Eastern Seaboard Industrial Estate 4 (Special Wastewater Quality)

Sampling vj : Suphan Sakulkittimasak

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Jitsupa P.

Jitsupa Prathungsuk
Scientist (2)

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5127-051/ENGL

51Report_AL_GL-qt (4-KIPP)



Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Phuaakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

Lot ID: 2587827
Date Received : Oct 06, 2025
Date Reported : Oct 14, 2025
Report Number : 34075-5N

Page 2 of 2

Sample Number : 2577409-1
Sampled Date : Oct 06, 2025 9:41 AM
Sample Description : Wastewater Phase 2
Location : แปลงน้ำเสาะพูนดินและพรวนดิน (Holding pond For Special Customer)
Date Analysis Commenced : Oct 06, 2025
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property : Colorless, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Kjeldahl Nitrogen as N	mg/L	N	180	25%	≤100	Standard Methods (or the E. amination of Water and Wastewater/ APHA, AWWA & WEF, 24th edn 2023, part 4500-NH3 JCD part f H3 JDO	Rayong
Total Suspended Solids Dried at 103/105 degree C	mg/L	N	5	7	≤50	Standard Methods (or the E. amination of Water and Wastewater/ APHA, AWWA & WEF, 24th edn 2023, part 2540 D	Rayong

Guideline : Amendment details report of Environmental Impact Assessment Report of WHA Eastern Seaboard Industrial Estate 4 (Special Wastewater Quality)

Sampling By : Wasan Kinunt วิเศษสินธุ์ 34075/5N001

Remark :
- LOD : Limit of Detection
- "9" : Lower than LQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025
- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management

Jitsupa P.

Jitsupa Prathungsuk
Scientist (2)
วิเศษสินธุ์ 34075/5N0004

Approved by

D. Chongchon

Dej Chongchon
Senior Manager
วิเศษสินธุ์ 34075/5N0001

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51Report_AL_GL-qt (4-KIPP)



Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Phuaakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4



TESTING

No.0042
Lot ID: 2587827
Date Received : Oct 06, 2025
Date Reported : Oct 14, 2025
Report Number : 34075-5N

Page 1 of 2

Sample Number : 2577409-1
Sampled Date : Oct 06, 2025 9:41 AM
Sample Description : Wastewater Phase 2
Location : แปลงน้ำเสาะพูนดินและพรวนดิน (Holding pond For Special Customer)
Date Analysis Commenced : Oct 06, 2025
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property : Colorless, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
x3 D 5 days at 20 Degree C	mg/L	N	280	9280	≤2	Standard Methods (or the E. amination of Water and Wastewater/ APHA, AWWA & WEF, 24th edn 2023, part 5210 x, part 4500 N)	Rayong
Cl D	mg/L	180	25	925	≤100	Standard Methods (or the E. amination of Water and Wastewater/ APHA, AWWA & WEF, 24th edn 2023, part 5210 D	Rayong
Color (at 1 g/l) original pH0	ADMI	N	5	95	≤300	Standard Methods (or the E. amination of Water and Wastewater/ APHA, AWWA & WEF, 24th edn 2023, part 2120 B	Rayong
Color (at pH 7) F80	ADMI	N	5	95	≤300	Standard Methods (or the E. amination of Water and Wastewater/ APHA, AWWA & WEF, 24th edn 2023, part 2120 B	Rayong
Jill G -crease	mg/L	N	3	93	≤5	Standard Methods (or the E. amination of Water and Wastewater/ APHA, AWWA & WEF, 24th edn 2023, part 5520 x	Rayong
pH at 25 degree C		N	N	F8	5.8N 8	Standard Methods (or the E. amination of Water and Wastewater/ APHA, AWWA & WEF, 24th edn 2023, part 4500 NH3 JDO	Rayong
Residual Free Chlorine *	mg/L	N	0.8	90.8	≤180	Standard Methods (or the E. amination of Water and Wastewater/ APHA, AWWA & WEF, 24th edn 2023, part 4500-CL JDO	Rayong
Temperature *	Degree C	N	N	31.8	≤40	Standard Methods (or the E. amination of Water and Wastewater/ APHA, AWWA & WEF, 24th edn 2023, part 2550 x	Rayong
Total Dissolved Solids Dried at 170 degree C	mg/L	N	5	2610	≤3000	Standard Methods (or the E. amination of Water and Wastewater/ APHA, AWWA & WEF, 24th edn 2023, part 2540 C	Rayong

Technical Management

Jitsupa P.

Jitsupa Prathungsuk
Scientist (2)
วิเศษสินธุ์ 34075/5N0004

Approved by

D. Chongchon

Dej Chongchon
Senior Manager
วิเศษสินธุ์ 34075/5N0001

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Phuaakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

Lot ID: 2587827
Date Received : Oct 06, 2025
Date Reported : Oct 14, 2025
Report Number : 3408595-2

Page 1 of 1

Sample Number : 2587827-1
Sampled Date : Oct 06, 2025 9:41 AM
Sample Description : Wastewater Phase 2
Location : แปลงน้ำเสาะพูนดินและพรวนดิน (Holding pond For Special Customer)
Date Analysis Commenced : Jul 06, 2025
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property : Colorless, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Ammonia Nitrogen	mg/L	0.05	0.1	15.8	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (D)	Rayong
Conductivity at 25 Degree C	micromhos/cm	-	0.5	2963	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	8.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
Flow rate	m3/s	-	-	0.050	No Standard	Flow meter	Rayong
Fluoride as F	mg/L	0.06	0.2	2.6	≤5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-F (D)	Rayong
Silica as SiO2	mg/L	0.2	0.5	8.7	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-SiO2 (C)	Rayong

Guideline : Amendment details report of Environmental Impact Assessment Report of WHA Eastern Seaboard Industrial Estate 4 (Special Wastewater Quality)

Sampling vj : Wasan Kinunt

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Jitsupa P.

Jitsupa Prathungsuk
Scientist (2)

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Phuaakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 2599852
9ate Received : 5:00:04, 202v
9ate Reported : 5:00:11, 202v
Report Sumbler : 3438144-1

Page 1 of 2

Sample Number 2vff7v2-1
Sampled Date 5oD04, 202v f:33 AM
Sample Description Wastewater Phase 2
Location น้าพ่น้ำใสพ่น้ำน้าพ่น้ำน้าพ่น้ำ (Holding pond For Special Customer)
Date Analysis Commenced 5oD04, 202v
Condition of Sample Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
B09 (v days at 20 9egree C)	mg/L	-	2.0	<2.0	≤2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part v210 B, part 4V00 - G	Rayong
CO9	mg/L	1.v	2v	<2v	≤100	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part v220 C	Rayong
Color (at Original pH)	APMI	-	v	6	≤300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 8.0)	APMI	-	v	6	≤300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤v	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part v220 B	Rayong
pH at 2v degree C	-	-	-	8.2	v.v-f.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4V00 - H (B)	Rayong
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4V00-C (F)	Rayong
Temperature *	9egree C	-	-	2f.7	≤40	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2v20 B	Rayong
Total 9issolved Solids 9ried at 170 degree C	mg/L	-	v	2140	≤3000	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2v40 C	Rayong

Technical Management

Jitsupa P.

Jitsupa Prathangsuak
Scientist (2)
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Approved by

Dhannan

9ej Changchon
Senior Manager
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Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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v208-5v2 (ENGL)

S:\Report\AL_GL-en (4.0499)



Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Phuaakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 2599852
9ate Received : 5:00:04, 202v
9ate Reported : 5:00:11, 202v
Report Sumbler : 3438144-1

Page 2 of 2

Sample Number 2vff7v2-1
Sampled Date 5oD04, 202v f:33 AM
Sample Description Wastewater Phase 2
Location น้าพ่น้ำใสพ่น้ำน้าพ่น้ำน้าพ่น้ำ (Holding pond For Special Customer)
Date Analysis Commenced 5oD04, 202v
Condition of Sample Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	3f.f	≤100	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4V00-5org (C), part 5103 (9)	Rayong
Total Suspended Solids 9ried at 103-10v degree C	mg/L	-	v	27	≤v0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2v40 C	Rayong

Guideline : Amendment details report of Environmental Impact Assessment Report of WHA Eastern Seaboard Industrial Estate 4 (Special Wastewater Quality)
Sampling By : Sarunat thammassaro น้าพ่น้ำน้าพ่น้ำน้าพ่น้ำน้าพ่น้ำ

Remark :
- LOD : Limit of detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 1802v.
- Sampling is not included in scope of Accreditation ISO/IEC 1802v.

Technical Management

Jitsupa P.

Jitsupa Prathangsuak
Scientist (2)
น้าพ่น้ำน้าพ่น้ำน้าพ่น้ำน้าพ่น้ำ

Approved by

Dhannan

9ej Changchon
Senior Manager
น้าพ่น้ำน้าพ่น้ำน้าพ่น้ำน้าพ่น้ำ

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v208-5v2 (ENGL)

S:\Report\AL_GL-en (4.0499)



Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Phuaakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

Lot ID: 2599852
Date Received : Nov 04, 2025
Date Reported : Nov 11, 2025
Report Number : 3437244-2

Page 1 of 1

Sample Number 2599852-1
Sampled Date Nov 04, 2025 9:33 AM
Sample Description Wastewater Phase 2
Location น้าพ่น้ำใสพ่น้ำน้าพ่น้ำน้าพ่น้ำ (Holding pond For Special Customer)
Date Analysis Commenced Nov 04, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Ammonia Nitrogen	mg/L	0.05	0.1	34.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (D)	Rayong
Conductivity at 25 Degree C	micromhos/cm	-	0.5	2793	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	8.8	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
Flow rate	m3/s	-	-	0.00578	No Standard	Flow meter, Analyzed by Client	Rayong
Fluoride as F	mg/L	0.06	0.2	3.1	≤5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-F (D)	Rayong
Silica as SiO2	mg/L	0.2	0.5	97.2	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-SiO2 (C)	Rayong

Guideline : Amendment details report of Environmental Impact Assessment Report of WHA Eastern Seaboard Industrial Estate 4 (Special Wastewater Quality)
Sampling by : Narunat thammassaro

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Jitsupa P.

Jitsupa Prathangsuak
Scientist (2)

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5217-5218 (ENGL)

S:\Report\AL_GL-en (4.0499)



Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Phuaakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 25106642
9ate Received : 5ec 12, 202D
9ate Reported : 5ec 21, 202D
Report Number : 340002-1

Page 1 of 3

Sample Number 2D106642-1
Sampled Date 5ec 12, 202D 10:34 AM
Sample Description Wastewater Phase 2
Location น้าพ่น้ำใสพ่น้ำน้าพ่น้ำน้าพ่น้ำ (Holding pond (or Special Customer)
Date Analysis Commenced 5ec 12, 202D
Condition of Sample Contained in two glass vials, three amber glass bottles and eleven plastic bottles, sample containers comply to pretreatment - preservation standards 9APHA, USEPAF
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
YB5 5D days at 20 5egree CF	mg/L	-	2v0	G2v0	≤2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 0210 Y, part 4D00 - B & S	Rayong
CBS	mg/L	1v0	2D	G2D	≤100	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 0220 S	Rayong
Color 9at Original pH	ASMI	-	D	GD	≤300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2120 (	Rayong
Color 9at pH <0F	ASMI	-	D	GD	≤300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2120 (	Rayong
Cyanide as CN	mg/L	0v001	0v00D	Not 5ected	≤0v2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4D00-CN 9C, EF	Rayong
(ormaldehyde	mg/L	0v03	0v0	Not 5ected	≤1v0	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed., 2004	Rayong
Bil . 8erease	mg/L	-	3	G3	≤D	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 0320 Y	Rayong
pH at 2D degree C	-	-	-	<v2	DvD-7v0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4D00 - H 9Hf	Rayong

Technical Management

Photchanas

Photchanas Seeda
Scientist 9AF
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Approved by

Dhannan

5e8 Changchon
Senior Manager
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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 25106642
Date Received : 5ec 12, 2020
Date Reported : 5ec 21, 2020
Report Number : 3400002-1

Page 2 of 3

Sample Number	2D106642-1						
Sampled Date	5ec 12, 2020 10:34 AM						
Sample Description	Wastewater Phase 2						
Location	น้ำปนเปื้อนจากบ่อเก็บน้ำทิ้ง (or Special Customer)						
Date Analysis Commenced	5ec 12, 2020						
Condition of Sample	Contained in two glass vials, three amber glass bottles and eleven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPAF) yellow, some odour, solid and no turbid						
Physical Property							
Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Phenol	mg/L	0.000	0.01	0.0010	≤1.0	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA, WEF, 24th ed., 2023, part D30 Y, 5	Rayong
Residual (ree Chlorine)	mg/L	-	0.1	0.04	≤1.0	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA, WEF, 24th ed., 2023, part 4000-C 9 F	Rayong
Sulfide	mg/L	-	0.0	0.00	≤1.0	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA, WEF, 24th ed., 2023, part 4000-S2 9C, (F)	Rayong
Temperature	egree C	-	-	27.4	≤40	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA, WEF, 24th ed., 2023, part 2000 Y	Rayong
Total Dissolved Solids Sried at 1*0 degree C	mg/L	-	D	1740	≤3000	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA, WEF, 24th ed., 2023, part 2040 C	Rayong
Total Kibdahl Nitrogen as N	mg/L	-	1.0	4-02	≤100	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA, WEF, 24th ed., 2023, part 4000-hong 9 F, part N43 9 F	Rayong
Total Suspended Solids Sried at 103-100 degree C	mg/L	-	D	D	≤10	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA, WEF, 24th ed., 2023, part 2040 S	Rayong

Guideline : Amendment details report of Environmental Impact Assessment Report of WHA Eastern Seaboard Industrial Estate 4 (Special Wastewater Quality)
Note : Raw data of YBS is 0.04 mg/L

Sampling By : Warunyo Chimphakee รับผิดชอบ >323-0-0020, Patchanon Inpruk รับผิดชอบ >204-0-017-0

Remark :

Technical Management

Photchanas

Photchanas Seeda
Scientist 9AF
รับผิดชอบ >323-0-002*

Approved by

Seil Changchon

Seil Changchon
Senior Manager
รับผิดชอบ >323-0-0001

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0042
Lot ID: 25106642
Date Received : 5ec 12, 2020
Date Reported : 5ec 21, 2020
Report Number : 3400002-1

Page 3 of 3

- LBS : Limit of Selection
- "Q" : Lower than LOQ (Limit of Quantitation) / LBS (Limit of Reporting)
- Analytical method : , is/are not included in scope of Accreditation ISO/IEC 1-020X
- Sampling is not included in scope of accreditation ISO/IEC 1-020

Technical Management

Photchanas

Photchanas Seeda
Scientist 9AF
รับผิดชอบ >323-0-002*

Approved by

Seil Changchon

Seil Changchon
Senior Manager
รับผิดชอบ >323-0-0001

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 25106642
Date Received : Dec 12, 2025
Date Reported : Dec 22, 2025
Report Number : 3455002-2

Page 1 of 5

Sample Number	25106642-1						
Sampled Date	Dec 12, 2025 10:34 AM						
Sample Description	Wastewater Phase 2						
Location	น้ำปนเปื้อนจากบ่อเก็บน้ำทิ้ง (Holding pond For Special Customer)						
Date Analysis Commenced	Dec 13, 2025						
Condition of Sample	Contained in two glass vials, three amber glass bottles and eleven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA) Yellow, some odour, solid and no turbid						
Physical Property							
Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	Not Detected	≤0.25	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.05	≤1.0	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.002	≤2.0	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	0.01	≤0.25	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3500-C 7 B	Bangkok
Lead	mg/L	0.0003	0.0005	Not Detected	≤0.2	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.06	≤5.0	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Technical Management

Savitree N.

Savitree Naisangiam
Manager
รับผิดชอบ >204-0-0007

Approved by

Kanokorn Anek

Kanokorn Anek
Assistant General Manager
รับผิดชอบ >204-0-0004

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 25106642
Date Received : Dec 12, 2025
Date Reported : Dec 22, 2025
Report Number : 3455002-2

Page 2 of 5

Sample Number	25106642-1						
Sampled Date	Dec 12, 2025 10:34 AM						
Sample Description	Wastewater Phase 2						
Location	น้ำปนเปื้อนจากบ่อเก็บน้ำทิ้ง (Holding pond For Special Customer)						
Date Analysis Commenced	Dec 13, 2025						
Condition of Sample	Contained in two glass vials, three amber glass bottles and eleven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA) Yellow, some odour, solid and no turbid						
Physical Property							
Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Mercury *	mg/L	0.0001	0.0005	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3112	Bangkok
Nickel	mg/L	0.0003	0.0005	0.006	≤1.0	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	≤0.02	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	0.01	≤0.75	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.06	≤5.0	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Pesticides - Organochlorine Group							
2,4-DOD *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
2,4-DDE *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok

Technical Management

Savitree N.

Savitree Naisangiam
Manager
รับผิดชอบ >204-0-0007

Approved by

Kanokorn Anek

Kanokorn Anek
Assistant General Manager
รับผิดชอบ >204-0-0004

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Plaakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 25106642
Date Received : Dec 12, 2025
Date Reported : Dec 22, 2025
Report Number : 3455002-2

Page 3 of 5

Sample Number 25106642-1
Sampled Date Dec 12, 2025 10:34 AM
Sample Description Wastewater Phase 2
Location แปลงน้ำเสียชุมชนอุตสาหกรรม (Holding pond For Special Customer)
Date Analysis Commenced Dec 13, 2025
Condition of Sample Contained in two glass vials, three amber glass bottles and eleven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Pesticides - Organochlorine Group							
2,4-DOT *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
4,4-DDD *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
4,4-DDD *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
4,4-DDT *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Aldrin *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
alpha-BHC *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
beta-BHC *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok

Technical Management

Savitree N.

Savitree Naisiangiam
Manager
โทร: 09-0007-204

Approved by

Kanokorn Anek

Kanokorn Anek
Assistant General Manager
โทร: 09-0004-204

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5107-050 (ENGL) (4.309%)



Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Plaakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 25106642
Date Received : Dec 12, 2025
Date Reported : Dec 22, 2025
Report Number : 3455002-2

Page 4 of 5

Sample Number 25106642-1
Sampled Date Dec 12, 2025 10:34 AM
Sample Description Wastewater Phase 2
Location แปลงน้ำเสียชุมชนอุตสาหกรรม (Holding pond For Special Customer)
Date Analysis Commenced Dec 13, 2025
Condition of Sample Contained in two glass vials, three amber glass bottles and eleven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Pesticides - Organochlorine Group							
Chlordane *	ug/L	0.02	0.04	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
delta-BHC *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Dieldrin *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Endosulfan I *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Endosulfan II *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Endrin *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Heptachlor *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok

Technical Management

Savitree N.

Savitree Naisiangiam
Manager
โทร: 09-0007-204

Approved by

Kanokorn Anek

Kanokorn Anek
Assistant General Manager
โทร: 09-0004-204

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5107-050 (ENGL) (4.309%)



Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Plaakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 25106642
Date Received : Dec 12, 2025
Date Reported : Dec 22, 2025
Report Number : 3455002-2

Page 5 of 5

Sample Number 25106642-1
Sampled Date Dec 12, 2025 10:34 AM
Sample Description Wastewater Phase 2
Location แปลงน้ำเสียชุมชนอุตสาหกรรม (Holding pond For Special Customer)
Date Analysis Commenced Dec 13, 2025
Condition of Sample Contained in two glass vials, three amber glass bottles and eleven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Pesticides - Organochlorine Group							
Heptachlor-Epoxide *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Lindane (gamma-BHC) *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Methoxychlor *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok

Guideline : Amendment details report of Environmental Impact Assessment Report of WHA Eastern Seaboard Industrial Estate 4 (Special Wastewater Quality)

Note : Raw data of BOD is 0.8 mg/L

Sampling By : Warunyo Chimphalee โทร: 09-0020-323, Patchanon Inpruk โทร: 09-0007-204

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management

Savitree N.

Savitree Naisiangiam
Manager
โทร: 09-0007-204

Approved by

Kanokorn Anek

Kanokorn Anek
Assistant General Manager
โทร: 09-0004-204

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Plaakdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 25106642
Date Received : Dec 12, 2025
Date Reported : Dec 22, 2025
Report Number : 3455002-3

Page 1 of 3

Sample Number 25106642-1
Sampled Date Dec 12, 2025 10:34 AM
Sample Description Wastewater Phase 2
Location แปลงน้ำเสียชุมชนอุตสาหกรรม (Holding pond For Special Customer)
Date Analysis Commenced Dec 12, 2025
Condition of Sample Contained in two glass vials, three amber glass bottles and eleven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminium	mg/L	0.003	0.005	0.58	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Iron	mg/L	0.003	0.005	0.11	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Microbiological Testing							
Total Coliform	MPN/100mL	-	-	17.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Bangkok
Pesticides - Organochlorine Group							
alpha-Chlordane *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
gamma-Chlordane *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Hexachlorobenzene *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok

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Approved by

Savitree N.

Savitree Naisiangiam
Manager

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5107-050 (ENGL) (4.309%)



Analysis / Test Report

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616/1 Moo 6, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 25106642
Date Received : Dec 12, 2025
Date Reported : Dec 22, 2025
Report Number : 3455002-3

Page 2 of 3

Sample Number 25106642-1
Sampled Date Dec 12, 2025 10:34 AM
Sample Description Wastewater Phase 2
Location แปลงน้ำทิ้งสำหรับดูแลเกษตรกรรม (Holding pond For Special Customer)
Date Analysis Commenced Dec 12, 2025
Condition of Sample Contained in two glass vials, three amber glass bottles and eleven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Pesticides - Organochlorine Group							
Mirex *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L	0.05	0.1	41.4	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (D)	Rayong
Anionic Surfactant as MBAS *	mg/L	0.015	0.05	0.22	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5540 B, C	Bangkok
Chloride as Cl *	mg/L	0.5	1	321	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (D)	Rayong
Conductivity at 25 Degree C *	micromhos/cm	-	0.5	2652	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen *	mg/L	-	0.1	6.7	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
Flow rate *	m3/s	-	-	0.116	No Standard	Flow meter	Rayong
Fluoride as F *	mg/L	0.06	0.2	3.8	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-F (D)	Rayong
Nitrate as N *	mg/L	0.015	0.05	1.70	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong

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Approved by

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Sawitree Nonsangiam
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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
616/1 Moo 6, Tambol Maenamkoo, Amphur Phukdaeng, Rayong Thailand 21140
P/O :
Project Name :
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 25106642
Date Received : Dec 12, 2025
Date Reported : Dec 22, 2025
Report Number : 3455002-3

Page 3 of 3

Sample Number 25106642-1
Sampled Date Dec 12, 2025 10:34 AM
Sample Description Wastewater Phase 2
Location แปลงน้ำทิ้งสำหรับดูแลเกษตรกรรม (Holding pond For Special Customer)
Date Analysis Commenced Dec 12, 2025
Condition of Sample Contained in two glass vials, three amber glass bottles and eleven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Odour *	-	-	-	Odourless	No Standard	TIS, 257-2549	Rayong
Salinity *	ppt	-	0.1	1.4	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Silica as SiO2 *	mg/L	0.2	0.5	13.5	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-SiO2 (C)	Rayong

Guideline : Amendment details report of Environmental Impact Assessment Report of WHA Eastern Seaboard Industrial Estate 4 (Special Wastewater Quality)

Note : Raw data of BOD is 0.8 mg/L

Sampling By : Warunyoo Chimpalee , Patchanon Inpruk

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

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ภาคผนวก ค-8

ผลการตรวจวิเคราะห์คุณภาพน้ำใต้ดิน



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 2568353
Date Received : Sep 19, 2025
Date Reported : Sep 24, 2025
Report Number : 3363251-1

Page 1 of 6

Sample Number 2568353-2
Sampled Date Sep 19, 2025 9:48 AM
Sample Description Ground Water
Location พื้นที่ผิวดินด้านทิศใต้ของบริเวณบ่อน้ำดิบของโครงการ (UW2)
Date Analysis Commenced Sep 22, 2025
Condition of Sample Contained in two plastic bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	Not Detected	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.08	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.003	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.002	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3500-Cf B	Bangkok
Lead	mg/L	0.0003	0.0005	0.002	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.28	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.001	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok

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Approved by

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Savitree Nongsiam
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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 2568353
Date Received : Sep 19, 2025
Date Reported : Sep 24, 2025
Report Number : 3363251-1

Page 2 of 6

Sample Number 2568353-2
Sampled Date Sep 19, 2025 9:48 AM
Sample Description Ground Water
Location พื้นที่ผิวดินด้านทิศใต้ของบริเวณบ่อน้ำดิบของโครงการ (UW2)
Date Analysis Commenced Sep 22, 2025
Condition of Sample Contained in two plastic bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Nickel	mg/L	0.0003	0.0005	0.004	≤0.02	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.007	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Notification of the National Environmental Board, No. 20, B.E.2543
Sampling By : Samart Khumphlee

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 2568353
Date Received : Sep 19, 2025
Date Reported : Sep 24, 2025
Report Number : 3363251-1

Page 3 of 6

Sample Number 2568353-3
Sampled Date Sep 19, 2025 11:22 AM
Sample Description Ground Water
Location พื้นที่ผิวดินด้านทิศตะวันออกของโครงการ (UW3)
Date Analysis Commenced Sep 22, 2025
Condition of Sample Contained in two plastic bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	Not Detected	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.14	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.003	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.002	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3500-Cf B	Bangkok
Lead	mg/L	0.0003	0.0005	0.001	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.31	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.001	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok

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Savitree Nongsiam
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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 2568353
Date Received : Sep 19, 2025
Date Reported : Sep 24, 2025
Report Number : 3363251-1

Page 4 of 6

Sample Number 2568353-3
Sampled Date Sep 19, 2025 11:22 AM
Sample Description Ground Water
Location พื้นที่ผิวดินด้านทิศตะวันออกของโครงการ (UW3)
Date Analysis Commenced Sep 22, 2025
Condition of Sample Contained in two plastic bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Nickel	mg/L	0.0003	0.0005	0.002	≤0.02	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Zinc	mg/L	0.003	0.005	Not Detected	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Notification of the National Environmental Board, No. 20, B.E.2543
Sampling By : Samart Khumphlee

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 2568353
Date Received : Sep 19, 2025
Date Reported : Sep 24, 2025
Report Number : 3363251-1

Page 5 of 6

Sample Number 2568353-4
Sampled Date Sep 19, 2025 2:42 PM
Sample Description Ground Water
Location พื้นที่สีเขียวด้านทิศตะวันออกโรงรถ (UW4)
Date Analysis Commenced Sep 22, 2025
Condition of Sample Contained in two plastic bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	Not Detected	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.11	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.003	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.0009	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3500-Cf B	Bangkok
Lead	mg/L	0.0003	0.0005	0.002	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.14	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.001	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3112	Bangkok

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

TESTING
No.0009
Lot ID: 2568353
Date Received : Sep 19, 2025
Date Reported : Sep 24, 2025
Report Number : 3363251-1

Page 6 of 6

Sample Number 2568353-4
Sampled Date Sep 19, 2025 2:42 PM
Sample Description Ground Water
Location พื้นที่สีเขียวด้านทิศตะวันออกโรงรถ (UW4)
Date Analysis Commenced Sep 22, 2025
Condition of Sample Contained in two plastic bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Nickel	mg/L	0.0003	0.0005	0.002	≤0.02	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Zinc	mg/L	0.003	0.005	Not Detected	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Notification of the National Environmental Board, No. 20, B.E.2543
Sampling By : Samart Khumphlee

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked "n/a" are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

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ภาคผนวก ค-9

ผลการตรวจวิเคราะห์ทรัพยากรชีวภาพ



สถานีวิจัยประมงศรีราชา
101/12 หมู่ 9 ต. บางพระ
อ. ศรีราชา จ. ชลบุรี 20110
โทร./โทรสาร. (038) 311379

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
Address : 121 Moo 3 Tambol Maenamkoo, Amphur Pluakdaeng, Rayong, Thailand, 21140
Project Name : Monitoring
Project Location : WHA ESIE 4

รายงานผลการวิเคราะห์แหล่งกักต่อน้ำพืช

ตาราง 1 ผลการวิเคราะห์แหล่งกักต่อน้ำพืช (เก็บตัวอย่างวันที่ 4 สิงหาคม 2568)

ชนิดแหล่งกักต่อน้ำพืช	ปริมาณแหล่งกักต่อน้ำพืช (หน่วยต่อลูกบาศก์เมตร)				
	2568356-1	2568356-2	2568356-3	2568388-1	2568388-2
Division Cyanophyta					
Class Cyanophyceae					
Order Nostocales					
Family Oscillatoriaceae					
1. <i>Oscillatoria anguina</i>	31,000	20,000	-	-	-
2. <i>Oscillatoria brevis</i>	-	-	274,000	-	-
3. <i>Oscillatoria limnetica</i>	114,000	-	2,645,000	847,000	12,566,000
4. <i>Oscillatoria</i> sp.	166,000	241,000	1,482,000	-	-
5. <i>Oscillatoria tenuis</i>	21,000	181,000	182,000	-	10,000
6. <i>Spirulina platensis</i>	-	-	-	-	10,000
Family Nostocaceae					
7. <i>Anabaena</i> sp.	-	-	-	10,000	10,000
Family Rivulariaceae					
8. <i>Calathrix</i> sp.	-	20,000	91,000	41,000	-

ตาราง 2 ผลการวิเคราะห์แหล่งกักต่อน้ำพืช (เก็บตัวอย่างวันที่ 4 สิงหาคม 2568)
(ต่อ)

ชนิดแหล่งกักต่อน้ำพืช	ปริมาณแหล่งกักต่อน้ำพืช (หน่วยต่อลูกบาศก์เมตร)				
	2568356-1	2568356-2	2568356-3	2568388-1	2568388-2
Division Chlorophyta					
Class Chlorophyceae					
Order Volvocales					
Family Volvocaceae					
9. <i>Eudorina elegans</i>	-	-	-	-	21,000
10. <i>Gonium sociale</i>	-	-	-	-	155,000
11. <i>Pandorina morum</i>	10,000	10,000	57,000	-	21,000
Order Tetrasporales					
Family Palmellaceae					
12. <i>Asterococcus superbus</i>	-	-	-	20,000	-
13. <i>Sphaerocystis Schroeteri</i>	-	90,000	-	-	10,000
Order Chlorococcales					
Family Hydrodictyaceae					
14. <i>Pediastrum duplex</i>	1,352,000	28,140,000	16,872,000	1,428,000	4,944,000
15. <i>Pediastrum tetras</i>	62,000	10,854,000	11,400,000	847,000	2,884,000
Family Coelastraceae					
16. <i>Coelastrum microporum</i>	-	10,000	-	245,000	371,000
Family Oocystaceae					
17. <i>Ankistrodesmus falcatus</i>	10,000	-	-	20,000	103,000
18. <i>Ankistrodesmus spiralis</i>	-	-	-	31,000	21,000
19. <i>Chlorella vulgaris</i>	-	-	-	-	10,000
20. <i>Dictyosphaerium pulchellum</i>	19,552,000	-	-	184,000	10,000
21. <i>Oocystis elliptica</i>	-	-	23,000	31,000	-
22. <i>Selenastrum gracile</i>	-	-	-	10,000	-
23. <i>Tetraedron gracile</i>	-	-	228,000	-	31,000
24. <i>Tetraedron trigonum</i>	21,000	-	-	-	-

ตาราง 3 ผลการวิเคราะห์แหล่งกักต่อน้ำพืช (เก็บตัวอย่างวันที่ 4 สิงหาคม 2568)
(ต่อ)

ชนิดแหล่งกักต่อน้ำพืช	ปริมาณแหล่งกักต่อน้ำพืช (หน่วยต่อลูกบาศก์เมตร)				
	2568356-1	2568356-2	2568356-3	2568388-1	2568388-2
Family Scenedesmaceae					
25. <i>Actinastrum gracillimum</i>	-	-	-	10,000	-
26. <i>Actinastrum hantzschii</i>	-	-	-	153,000	1,030,000
27. <i>Crucigenia apiculata</i>	-	-	-	20,000	464,000
28. <i>Scenedesmus arcuatus</i>	-	-	-	20,000	10,000
29. <i>Scenedesmus armatus</i>	10,000	10,000	22,000	102,000	206,000
30. <i>Scenedesmus bijuga</i>	-	-	-	10,000	-
31. <i>Scenedesmus denticulatus</i>	-	-	-	31,000	31,000
32. <i>Scenedesmus dimorphus</i>	-	-	-	235,000	876,000
33. <i>Scenedesmus opoliensis</i>	333,000	5,628,000	1,391,000	153,000	834,000
34. <i>Scenedesmus quadricauda</i>	73,000	2,211,000	2,314,000	92,000	330,000
Order Ulotrichales					
Family Ulotrichaceae					
35. <i>Geminella</i> sp.	21,000	-	22,000	-	-
Order Zygomatales					
Family Zygnemataceae					
36. <i>Spirogyra</i> sp.	125,000	1,910,000	148,000	-	-
37. <i>Spirogyra weberi</i>	-	1,226,000	-	-	639,000
Family Desmidiaceae					
38. <i>Closterium acerosum</i>	31,000	-	-	-	10,000
39. <i>Closterium ehrenbergii</i>	10,000	-	22,000	61,000	113,000
40. <i>Cosmarium nudum</i>	-	-	11,000	-	-
41. <i>Cosmarium rectangulare</i>	-	-	34,000	10,000	10,000
42. <i>Cosmarium</i> sp.	10,000	10,000	47,000	-	10,000
43. <i>Hyalotheca dissiliens</i>	21,000	-	1,072,000	-	-
44. <i>Penium cucurbitinum</i>	-	10,000	-	-	-
45. <i>Pleurotaenium</i> sp.	-	20,000	-	-	-

ตาราง 4 ผลการวิเคราะห์แหล่งกักต่อน้ำพืช (เก็บตัวอย่างวันที่ 4 สิงหาคม 2568)
(ต่อ)

ชนิดแหล่งกักต่อน้ำพืช	ปริมาณแหล่งกักต่อน้ำพืช (หน่วยต่อลูกบาศก์เมตร)				
	2568356-1	2568356-2	2568356-3	2568388-1	2568388-2
Class Euglenophyceae					
Order Euglenales					
Family Euglenaceae					
46. <i>Euglena acus</i>	-	-	-	41,000	31,000
47. <i>Euglena oxyuris</i>	-	1,106,000	1,060,000	51,000	62,000
48. <i>Euglena</i> sp.	-	151,000	205,000	-	-
49. <i>Euglena viridis</i>	-	-	-	102,000	10,000
50. <i>Lepocinclis ovum</i>	52,000	3,216,000	1,505,000	204,000	206,000
51. <i>Phacus angulatus</i>	21,000	111,000	182,000	153,000	165,000
52. <i>Phacus hamatus</i>	-	-	-	10,000	-
53. <i>Phacus longicauda</i>	-	-	-	20,000	31,000
54. <i>Phacus myersi</i>	-	10,000	-	-	10,000
55. <i>Phacus platalea</i>	10,000	-	-	20,000	10,000
56. <i>Phacus</i> sp.	-	121,000	604,000	51,000	124,000
57. <i>Phacus stokesii</i>	-	-	-	10,000	-
58. <i>Phacus tortus</i>	-	70,000	137,000	31,000	41,000
59. <i>Strombomonas acuminata</i>	-	-	11,000	10,000	10,000
60. <i>Strombomonas australica</i>	-	-	-	20,000	-
61. <i>Strombomonas fluvialilis</i>	-	-	-	-	41,000
62. <i>Strombomonas gibberosa</i>	21,000	-	-	-	10,000
63. <i>Strombomonas girardiana</i>	-	-	114,000	224,000	21,000
64. <i>Strombomonas</i> sp.	-	-	11,000	-	-
65. <i>Trachelomonas crebea</i>	10,000	-	-	10,000	103,000
66. <i>Trachelomonas daugerdiana</i>	-	-	-	10,000	21,000
67. <i>Trachelomonas hispida</i>	31,000	10,000	581,000	1,224,000	1,710,000
68. <i>Trachelomonas mirabilis</i>	-	-	-	-	536,000
69. <i>Trachelomonas volzii</i>	-	-	-	10,000	52,000

ตาราง ผลการวิเคราะห์แพลงก์ตอนพืช (เก็บตัวอย่างวันที่ 4 สิงหาคม 2568)
(ต่อ)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)				
	2568356-1	2568356-2	2568356-3	2568388-1	2568388-2
Division Chromophyta					
Class Bacillariophyceae					
Order Biddulphiales					
Suborder Coscinodiscineae					
Family Thalassiosiraceae					
70. Cyclotella meneghiniana	-	241,000	182,000	31,000	288,000
71. Cyclotella stelligera	31,000	201,000	11,000	10,000	10,000
Family Aulacoseiraceae					
72. Aulacoseira granulata	-	-	-	632,000	515,000
Order Bacillariales					
Suborder Fragilariineae					
Family Fragilariaceae					
73. Fragilaria capucina	42,000	804,000	1,106,000	143,000	10,000
74. Synedra acus	-	-	-	10,000	31,000
75. Synedra ulna	31,000	764,000	2,645,000	714,000	1,576,000
Family Tabellariaceae					
76. Tabellaria fenestrata	-	-	-	-	103,000
Suborder Bacillariineae					
Family Eunotiaceae					
77. Eunotia pectinalis	114,000	30,000	68,000	-	-
Family Achnantheaceae					
78. Achnantheum lanceolatum	10,000	-	-	-	-
Family Cymbellaceae					
79. Gomphonema parvulum	21,000	151,000	798,000	10,000	237,000
Family Naviculaceae					
80. Gyrosigma attenuatum	655,000	-	-	10,000	10,000
81. Navicula cuspidata	10,000	-	-	-	10,000


ตาราง ผลการวิเคราะห์แพลงก์ตอนพืช (เก็บตัวอย่างวันที่ 4 สิงหาคม 2568)
(ต่อ)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)				
	2568356-1	2568356-2	2568356-3	2568388-1	2568388-2
ชนิดแพลงก์ตอนพืช	44	36	43	59	64
ปริมาณแพลงก์ตอนพืช	23,955,000	57,919,000	48,604,000	15,531,000	50,605,000
ดัชนีความหลากหลายแพลงก์ตอนพืช	0.9330	1.7790	2.2687	2.4620	2.1685
ดัชนีความสม่ำเสมอแพลงก์ตอนพืช	0.2466	0.4964	0.6032	0.6038	0.5214

- Sample Location :
- สถานี 2568356-1 : ห้วยสาธารณประโยชน์ (คลองน้อย) บริเวณคันน้ำ เมื่อเทียบกับจุดระบายน้ำทิ้งของ โครงการ 500 เมตร (B1)
 - สถานี 2568356-2 : ห้วยสาธารณประโยชน์ (คลองน้อย) บริเวณจุดระบายน้ำทิ้งของ โครงการ (B2)
 - สถานี 2568356-3 : คลองจำพัง บริเวณท้ายน้ำ เมื่อเทียบกับจุดระบายน้ำทิ้งห้วยสาธารณประโยชน์ (คลองน้อย) ของโครงการ 500 เมตร (B3)
 - สถานี 2568388-1 : คลองจำพัง จุดระบายน้ำทิ้งของโครงการ (B4)
 - สถานี 2568388-2 : คลองจำพังหลังจุดระบายน้ำทิ้ง 500 เมตร (B5)

Condition of Sample : contained in one plastic bottle, sample containers comply to pretreatment-preservation standards (APHA, USEPA)


(นางสาวกนกวรรณ ขวาค้อน)
ผู้วิเคราะห์


(นายอรรถกมล อินทรชาติ)
หัวหน้าสถานีวิจัยประมงศรีราชา

ตาราง ผลการวิเคราะห์แพลงก์ตอนพืช (เก็บตัวอย่างวันที่ 4 สิงหาคม 2568)
(ต่อ)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)				
	2568356-1	2568356-2	2568356-3	2568388-1	2568388-2
82. Navicula lanceolata	728,000	-	171,000	-	103,000
83. Navicula sp.	-	-	11,000	-	-
84. Pinnularia gibba	-	10,000	125,000	41,000	206,000
85. Pinnularia grunowii	10,000	-	-	-	-
86. Pinnularia pulchella	-	10,000	-	-	-
87. Pinnularia sp.	-	111,000	-	-	-
88. Pinnularia subanglica	10,000	-	-	-	-
Family Bacillariaceae					
89. Nitzschia acicularis	-	-	-	20,000	-
90. Nitzschia linearis	10,000	-	-	102,000	-
91. Nitzschia lorenziana	21,000	-	-	-	-
92. Nitzschia navis-viringic	-	-	-	326,000	196,000
93. Nitzschia palea	-	20,000	707,000	6,375,000	18,334,000
94. Nitzschia sp.	-	-	-	224,000	-
Family Rhopalodiaceae					
95. Epithemia argus	10,000	-	-	-	-
96. Rhopalodia gibba	-	-	11,000	-	-
Family Surirellaceae					
97. Surirella elegans	10,000	-	11,000	41,000	-
98. Surirella linearis	10,000	-	-	-	-
99. Surirella robusta	73,000	-	11,000	10,000	-
100. Surirella tenera	31,000	-	-	-	21,000
Class Dinophyceae					
Order Peridinales					
Family Peridiniaceae					
101. Peridinium sp.	10,000	191,000	-	20,000	21,000



สถานีวิจัยประมงศรีราชา
101/12 หมู่ 9 ต. บางพระ
อ. ศรีราชา อ. ชลบุรี 20110
โทร./โทรสาร. (038) 311379

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
Address : 121 Moo 3 Tambol Maenamkoo, Amphur Phluakdaeng, Rayong, Thailand, 21140
Project Name : Monitoring
Project Location : WHA ESIE 4

รายงานผลการวิเคราะห์แพลงก์ตอนสัตว์

ตาราง ผลการวิเคราะห์แพลงก์ตอนสัตว์ (เก็บตัวอย่างวันที่ 4 สิงหาคม 2568)

ชนิดแพลงก์ตอนสัตว์	ปริมาณแพลงก์ตอนสัตว์ (หน่วยต่อลูกบาศก์เมตร)				
	2568356-1	2568356-2	2568356-3	2568388-1	2568388-2
Phylum Protozoa					
Subphylum Plasmodroma					
Class Sarcodina					
Subclass Rhizopoda					
Order Testacida					
Family Arcellidae					
1. Arcella sp.	31,000	20,000	22,000	31,000	-
2. Arcella vulgaris	21,000	30,000	22,000	71,000	10,000
Family Diffugiidae					
3. Centropyxis aculeata	10,000	20,000	-	-	-
4. Diffugia acuminata	-	-	-	10,000	-
5. Diffugia lobostoma	10,000	30,000	22,000	-	-
Family Euglyphidae					
6. Euglypha acanthophora	10,000	60,000	34,000	-	10,000

ตาราง ผลการวิเคราะห์แหล่งกอนสัตว์ (เก็บตัวอย่างวันที่ 4 สิงหาคม 2568)
(ต่อ)

ชนิดแหล่งกอนสัตว์	ปริมาณแหล่งกอนสัตว์ (หน่วยต่อลูกบาศก์เมตร)				
	2568356-1	2568356-2	2568356-3	2568388-1	2568388-2
7. <i>Euglypha rotunda</i>	-	10,000	-	-	-
8. <i>Euglypha</i> sp.	21,000	-	11,000	-	21,000
Subphylum Ciliophora					
Class Ciliata					
Subclass Holotricha					
Order Gymnostomatida					
9. <i>Coleps</i> sp.	-	-	-	20,000	-
Order Hymenostomatida					
10. <i>Paramecium</i> sp.	-	-	-	10,000	-
Subclass Spirotricha					
Order Hypotrichida					
11. <i>Euplotes</i> sp.	-	-	-	10,000	10,000
Subclass Peritricha					
Order Peritrichida					
12. <i>Pyxicola</i> sp.	10,000	40,000	-	-	-
13. <i>Vorticella</i> sp.	-	80,000	11,000	-	-
Phylum Rotifera					
Class Monogononta					
Order Plouma					
Family Brachionidae					
14. <i>Amuracopsis fissa</i>	-	50,000	91,000	-	-
15. <i>Brachionus angularis</i>	-	40,000	-	-	-
16. <i>Coleurella obtusa</i>	21,000	-	-	-	-
17. <i>Lepadella acuminata</i>	10,000	-	-	-	-
Family Lecanidae					
18. <i>Lecane closterocerca</i>	10,000	-	-	-	-
19. <i>Lecane inopinata</i>	-	10,000	-	10,000	-


ตาราง ผลการวิเคราะห์แหล่งกอนสัตว์ (เก็บตัวอย่างวันที่ 4 สิงหาคม 2568)
(ต่อ)

ชนิดแหล่งกอนสัตว์	ปริมาณแหล่งกอนสัตว์ (หน่วยต่อลูกบาศก์เมตร)				
	2568356-1	2568356-2	2568356-3	2568388-1	2568388-2
Subclass Ostracoda					
Order Podocopa					
Family Cypridae					
31. <i>Cypridopsis</i> sp.	-	10,000	-	-	-
Subclass Copepoda					
32. Copepod nauplius	-	20,000	34,000	-	10,000
ชนิดแหล่งกอนสัตว์	13	20	15	10	7
ปริมาณแหล่งกอนสัตว์	216,000	640,000	529,000	213,000	154,000
ดัชนีความหลากหลายแหล่งกอนสัตว์	2.4149	2.8047	2.2113	2.0109	1.6091
ดัชนีความสม่ำเสมอแหล่งกอนสัตว์	0.9415	0.9362	0.8166	0.8733	0.8269

- Sample Location :
- สถานี 2568356-1 : หัวเสาธารณประโชชน์ (คลองน้อย) บริเวณคันน้ำ เมื่อเทียบกับจุดระบายน้ำทิ้งของโครงการ 500 เมตร (B1)
 - สถานี 2568356-2 : หัวเสาธารณประโชชน์ (คลองน้อย) บริเวณจุดระบายน้ำทิ้งของโครงการ (B2)
 - สถานี 2568356-3 : คลองจำพัง บริเวณท้ายน้ำ เมื่อเทียบกับจุดระบายน้ำทิ้งหัวเสาธารณประโชชน์ (คลองน้อย) ของโครงการ 500 เมตร (B3)
 - สถานี 2568388-1 : คลองจำพัง จุดระบายน้ำทิ้งของโครงการ (B4)
 - สถานี 2568388-2 : คลองจำพังหลังจุดระบายน้ำทิ้ง 500 เมตร (B5)

Condition of Sample : contained in one plastic bottle, sample containers comply to pretreatment-preservation standards (APHA, USEPA)


(นางสาวกนกวรรณ ขวาคอน)
ผู้วิเคราะห์


(นายอองกต อินทรชาติ)
หัวหน้าสถานีวิจัยประมงศรีราชา

ตาราง ผลการวิเคราะห์แหล่งกอนสัตว์ (เก็บตัวอย่างวันที่ 4 สิงหาคม 2568)
(ต่อ)

ชนิดแหล่งกอนสัตว์	ปริมาณแหล่งกอนสัตว์ (หน่วยต่อลูกบาศก์เมตร)				
	2568356-1	2568356-2	2568356-3	2568388-1	2568388-2
20. <i>Lecane papuana</i>	-	10,000	-	-	-
21. <i>Lecane thienemanni</i>	-	10,000	11,000	-	-
Family Notommatidae					
22. <i>Cephalodella gibba</i>	10,000	-	34,000	31,000	72,000
Family Tricercidae					
23. <i>Trichocerca pusilla</i>	-	20,000	11,000	-	-
Family Asplanchnidae					
24. <i>Asplanchna priodonta</i>	42,000	70,000	11,000	10,000	21,000
Family Synchaetidae					
25. <i>Polyarthra dolichoptera</i>	-	40,000	22,000	-	-
26. <i>Polyarthra vulgaris</i>	-	-	182,000	10,000	-
Order Flosculariacea					
Family Testudinellidae					
27. <i>Filinia terminalis</i>	-	-	11,000	-	-
Class Digononta					
Family Philodinidae					
28. <i>Philodina</i> sp.	-	40,000	-	-	-
29. <i>Rotaria</i> sp.	-	30,000	-	-	-
Phylum Arthropoda					
Class Crustacea					
Subclass Branchiopoda					
Order Diplostraca					
Suborder Cladocera					
Family Chydoridae					
30. <i>Alonella</i> sp.	10,000	-	-	-	-



สถานีวิจัยประมงศรีราชา
101/12 หมู่ 9 ต. บางพระ
อ. ศรีราชา จ. ชลบุรี 20110
โทร./โทรสาร. (038) 311379

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
Address : 121 Moo 3 Tambol Maenamkoo, Amphur Phuakdaeng, Rayong, Thailand, 21140
Project Name : Monitoring
Project Location : WHA ESIE 4

รายงานผลการวิเคราะห์สัตว์หน้าดิน

ตาราง ผลการวิเคราะห์สัตว์หน้าดิน (เก็บตัวอย่างวันที่ 4 สิงหาคม 2568)

สกุลสัตว์หน้าดิน	ปริมาณสัตว์หน้าดิน (ตัวต่อตารางเมตร)				
	2568361-1	2568361-2	2568361-3	2568394-1	2568394-2
Phylum Annelida					
Class Clitellata					
Order Lumbriculida					
Family Lumbriculidae					
<i>Lumbriculus</i> sp. (ไส้เดือนน้ำ)	-	-	-	89	-
Phylum Arthropoda					
Class Insecta					
Order Diptera					
Family Chironomidae					
<i>Chironomus</i> sp. (หนอนแดง)	134	89	193	30	45
Order Trichoptera					
Family Hydropsychidae					
<i>Hydropsyche</i> sp. (ตัวอ่อนแมลงจอกบดน้ำ)	-	30	-	-	-

ตาราง ผลการวิเคราะห์สัตว์น้ำดิน (เก็บตัวอย่างวันที่ 4 สิงหาคม 2568) (ต่อ)

สกุลสัตว์น้ำดิน	ปริมาณสัตว์น้ำดิน (หัวต่อตารางเมตร)				
	2568361-1	2568361-2	2568361-3	2568394-1	2568394-2
Class Ostracoda					
Order Podocopida					
Family Cypridae					
<i>Stenocypris</i> sp. (ออสตราคอคค)	104	-	45	-	-
Class Malacostraca					
Order Decapoda					
Family Gecarcinucidae					
<i>Sayamia</i> sp. (ปูนา)	-	45	-	-	-
สกุลสัตว์น้ำดิน	2	3	2	2	1
ปริมาณสัตว์น้ำดิน	238	164	238	119	45
ดัชนีความหลากหลายสัตว์น้ำดิน	0.6852	0.9973	0.4849	0.5646	0.0000

Sample Location : 1. สถานี 2568361-1 : ห้วยสาธารณประโยชน์ (คลองน้อย) บริเวณต้นน้ำ เมื่อเทียบกับจุดระบายน้ำทั้งของโครงการ 500 เมตร (B1)


2. สถานี 2568361-2 : ห้วยสาธารณประโยชน์ (คลองน้อย) บริเวณจุดระบายน้ำทั้งของโครงการ (B2)


3. สถานี 2568361-3 : คลองจำพัง บริเวณท้ายน้ำ เมื่อเทียบกับจุดระบายน้ำทั้งห้วยสาธารณประโยชน์ (คลองน้อย) ของโครงการ 500 เมตร (B3)

4. สถานี 2568394-1 : คลองจำพัง จุดระบายน้ำทั้งของโครงการ (B4)

5. สถานี 2568394-2 : คลองจำพังหลังจุดระบายน้ำทั้ง 500 เมตร (B5)

Condition of Sample : contained in one plastic zip bag


(นายอรรณวุฒิ กิตะวงศ์)
ผู้วิเคราะห์


(นายอรรถกมล อินทรชาติ)
หัวหน้าสถานีวิจัยประมงศรีราชา



สถานีวิจัยประมงศรีราชา
101/12 หมู่ 9 ต. บางพระ อ. ศรีราชา จ.ชลบุรี 20110
โทร./โทรสาร. (038) 311379

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
Address : 121 Moo 3 Tambol Maenamkoo, Amphur Pinakdaeng, Rayong, Thailand, 21140
Project Name : Monitoring
Project Location : WHA ESIE 4

รายงานผลการวิเคราะห์สัตว์น้ำ						
ตารางผลการวิเคราะห์สัตว์น้ำ (Aquatic animal) (เก็บตัวอย่างเมื่อวันที่ 4 สิงหาคม 2568)						
ชนิดสัตว์น้ำ	ปริมาณสัตว์น้ำ (ตัว)				ช่วงขนาด (ซม.)	น้ำหนักรวม (กรัม)
	2568365-1	2568365-2	2568365-3	2568381-1	2568381-2	
Phylum Chordata						
Class Actinopterygii						
Order Cichliformes						
Family Cichlidae						
<i>Oreochromis niloticus</i> (ปลาริณ)	-	1	1	1	-	4.60-8.00 13.30

ตาราง ผลการวิเคราะห์สัตว์น้ำ (Aquatic animal) (เก็บตัวอย่างเมื่อวันที่ 4 สิงหาคม 2568) (ต่อ)

ชนิดสัตว์น้ำ	ปริมาณสัตว์น้ำ (ตัว)				ช่วงขนาด (ซม.)	น้ำหนักรวม (กรัม)
	2568365-1	2568365-2	2568365-3	2568381-1	2568381-2	
Order Cypriniformes						
Family Cyprinidae						
<i>Barbonymus gonionotus</i> (ปลาทะเลเขื่อนขาว)	-	-	5	4	8	5.90-14.70 154.10
<i>Cylocheilichthys apogon</i> (ปลาไส้ลมลายแดง)	-	-	-	3	2	6.60-8.60 22.10
<i>Eoemus metallicus</i> (ปลาฉลามขาว)	-	-	4	-	-	4.20-5.00 3.20
<i>Hampala macrolepidota</i> (ปลากะตาด)	-	-	1	-	-	7.70 6.00
<i>Puntius brevis</i> (ปลาทะเลเขื่อนขาว)	2	-	2	2	1	5.50-9.30 43.50
<i>Rasbora paviana</i> (ปลากะตาดเขื่อนขาว)	6	2	-	1	-	6.80-8.60 45.30
Order Perciformes						
Family Ambassidae						
<i>Parambasia siamensis</i> (ปลาเป็นแก้ว)	-	-	-	2	-	5.20-6.20 4.30
ชนิดสัตว์น้ำ	2	2	5	6	3	4.20-14.70 291.80
ปริมาณสัตว์น้ำ	8	3	13	13	11	
ดัชนีความหลากหลายสัตว์น้ำ	0.5623	0.6365	1.4127	1.6716	0.7595	

Sample Location : 1. สถานี 2568365-1 : ห้วยสาธารณประโยชน์ (คลองน้อย) บริเวณต้นน้ำ เมื่อเทียบกับจุดระบายน้ำทั้งของโครงการ 500 เมตร (B1)

2. สถานี 2568365-2 : ห้วยสาธารณประโยชน์ (คลองน้อย) บริเวณจุดระบายน้ำทั้งของโครงการ (B2)

3. สถานี 2568365-3 : คลองจำพัง บริเวณท้ายน้ำ เมื่อเทียบกับจุดระบายน้ำทั้งห้วยสาธารณประโยชน์ (คลองน้อย) ของโครงการ 500 เมตร (B3)

4. สถานี 2568381-1 : คลองจำพัง จุดระบายน้ำทั้งของโครงการ (B4)

5. สถานี 2568381-2 : คลองจำพังหลังจุดระบายน้ำทั้ง 500 เมตร (B5)

Condition of Sample : fishing gear


(นายธารินทร์ รัตนศิริ)
ผู้วิเคราะห์


(นายอรรถกมล อินทรชาติ)
หัวหน้าสถานีวิจัยประมงศรีราชา



สถานีวิทยุกระจายเสียง
101/12 หมู่ 9 ต. บางพระ อ. ศรีราชา จ. ชลบุรี 20110
โทร./โทรสาร. (038) 311379

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
Address : 121 Moo 3 Tambol Maenamkoo, Amphur Pinakdaeng, Rayong, Thailand, 21140
Project Name : Monitoring
Project Location : WHA ESIE 4

รายงานผลการวิเคราะห์พืชน้ำ

ตาราง 1 ผลการวิเคราะห์พืชน้ำ (เก็บตัวอย่างวันที่ 4 สิงหาคม 2568)

วงศ์	ชื่อวิทยาศาสตร์	ชื่อภาษาไทย	บริเวณที่ทำการสำรวจ				
			2568371-1	2568371-2	2568371-3	2568387-1	2568387-2
พืชบก							
Convolvulaceae	<i>Ipomoea aquatica</i>	ผักบุ้ง	-	-	+	-	-
Onagraceae	<i>Ludwigia adscendens</i>	แพงพวยน้ำ	+	-	-	-	-

ตาราง 2 ผลการวิเคราะห์พืชน้ำ (เก็บตัวอย่างวันที่ 4 สิงหาคม 2568)

วงศ์	ชื่อวิทยาศาสตร์	ชื่อภาษาไทย	บริเวณที่ทำการสำรวจ				
			2568371-1	2568371-2	2568371-3	2568387-1	2568387-2
Araceae	<i>Colocasia esculenta</i>	บอน	+	+	-	-	-
Asteraceae	<i>Eclipta prostrata</i>	กะเพ็ง	+	+	-	+	-
	<i>Wedelia trilobata</i>	กระชุงทองเหลือง	-	+	-	-	-
Adyrsiaceae	<i>Diplazium esculentum</i>	ผักกูด	+	-	+	-	-
Commelinaceae	<i>Commelina diffusa</i>	ผักปลาใบเทศ	++	+	+	+	+
Cyperaceae	<i>Cyperus compactus</i>	หญ้าใบเทศ	-	+	-	-	-
	<i>Cyperus cephalotes</i>	กกแพรวน้ำ	-	+	-	-	-
	<i>Cyperus difformis</i>	กกขนาก	-	+	+	-	-
	<i>Cyperus iria</i>	กกทราย	-	-	+	-	+
	<i>Cyperus pilosus</i>	กกสามเหลี่ยม	-	+	+	-	+
Fabaceae	<i>Sebania javanica</i>	โสน	-	+	+	-	-
Mimosaceae	<i>Mimosa pigra</i>	ไมยราพยักษ์	+	-	+	-	++
Onagraceae	<i>Jussiaea limfolia</i>	เทียนนา	+	-	+	-	+

ตาราง 3 ผลการวิเคราะห์พืชน้ำ (เก็บตัวอย่างวันที่ 4 สิงหาคม 2568) (ต่อ)

วงศ์	ชื่อวิทยาศาสตร์	ชื่อภาษาไทย	บริเวณที่ทำการสำรวจ				
			2568371-1	2568371-2	2568371-3	2568387-1	2568387-2
Poaceae	<i>Brachiaria mutica</i>	หญ้าขน	+++	+++	+++	++	++
	<i>Brachiaria reptans</i>	หญ้าพันคืบ	++	++	++	+	++
	<i>Leptochloa chinensis</i>	หญ้าดอกขาว	+++	+++	+++	++	++
	<i>Phragmites karka</i>	แขม	+	++	-	+	+
Polygonaceae	<i>Polygonum glabrum</i>	ผักไถ่น้ำ	+	-	+	++	+
	<i>Polygonum ammentosum</i>	เอื้องยัดน้ำ	-	-	-	+	-
รวมจำนวนชนิดพืชที่พบทั้งหมด			12	13	13	8	10

Sample Location : - ไม่พบ + น้อย ++ ปานกลาง +++ มาก
1. สถานี 2568371-1 : ห้วยธารธารประโชชน์ (คลองน้อย) บริเวณต้นน้ำ เมื่อเทียบกับจุดระบายน้ำทิ้งของโครงการ 500 เมตร (B1)
2. สถานี 2568371-2 : ห้วยธารธารประโชชน์ (คลองน้อย) บริเวณจุดระบายน้ำทิ้งของโครงการ (B2)
3. สถานี 2568371-3 : คลองลำพัง บริเวณท้ายน้ำ เมื่อเทียบกับจุดระบายน้ำทิ้งของโครงการ (คลองน้อย) ของโครงการ 500 เมตร (B3)
4. สถานี 2568387-1 : คลองลำพัง จุดระบายน้ำทิ้งของโครงการ (B4)
5. สถานี 2568387-2 : คลองลำพังจุดระบายน้ำทิ้ง 500 เมตร (B5)

Condition of Sample : Data sheet

การตรวจวิเคราะห์
(นายอรรถวุฒิ กันทะวงศ์)
ผู้วิเคราะห์

(นายอรรถวุฒิ กันทะวงศ์)
(นายอรรถวุฒิ กันทะวงศ์)
หัวหน้าสถานีวิทยุกระจายเสียง



สถานีวิจัยประมงศรีราชา
101/12 หมู่ 9 ต.บางพระ อ.ศรีราชา จ.ชลบุรี 20110
โทร./โทรสาร, (038) 311379

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
Address : 121 Moo 3 Tambol Maenamkoo, Amphur Pinakdaeng, Rayong, Thailand, 21140
Project Name : Monitoring
Project Location : WHA ESIE 4

รายงานผลการวิเคราะห์สัตว์น้ำ

81533 ผลการวิเคราะห์สัตว์น้ำ (Aquatic animal) (เก็บตัวอย่างเมื่อวันที่ 4 สิงหาคม 2568) (ต่อ)

ชนิดสัตว์น้ำ	ปริมาณสัตว์น้ำ (ตัว)				ช่วงขนาด	น้ำหนักรวม
	2568365-1	2568365-2	2568365-3	2568381-1	2568381-2	(กม.) (กรัม)
Phylum Chordata						
Class Actinopterygii						
Order Cichliformes						
Family Cichlidae						
<i>Oreochromis niloticus</i> (ปลานิล)	-	1	1	1	-	4.60-8.00 13.30



สถานีวิจัยประมงศรีราชา
101/12 หมู่ 9 ต.บางพระ อ.ศรีราชา จ.ชลบุรี 20110
โทร./โทรสาร, (038) 311379

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
Address : 121 Moo 3 Tambol Maenamkoo, Amphur Pinakdaeng, Rayong, Thailand, 21140
Project Name : Monitoring
Project Location : WHA ESIE 4

รายงานผลการวิเคราะห์พืชน้ำ

81533 ผลการวิเคราะห์พืชน้ำ (เก็บตัวอย่างวันที่ 4 สิงหาคม 2568)

วงศ์	ชื่อวิทยาศาสตร์	ชื่อภาษาไทย	บริเวณที่ทำการสำรวจ				
			2568371-1	2568371-2	2568371-3	2568387-1	2568387-2
พืชลอยน้ำ							
Convolvulaceae	<i>Ipomoea aquatica</i>	ผักบุ้ง	-	-	+	-	-
Onagraceae	<i>Ludwigia adscendens</i>	แพงพวยน้ำ	+	-	-	-	-

ตาราง ผลการวิเคราะห์พืชน้ำ (เก็บตัวอย่างวันที่ 4 สิงหาคม 2568)

วงศ์	ชื่อวิทยาศาสตร์	ชื่อภาษาไทย	บริเวณที่ทำการสำรวจ				
			2568371-1	2568371-2	2568371-3	2568387-1	2568387-2
พืชน้ำ							
Araceae	<i>Colocasia esculenta</i>	บอน	+	+	-	-	-
Asteraceae	<i>Eclipta prostrata</i>	ตะเพียง	+	+	-	+	-
	<i>Wedelia trilobata</i>	กระตุมทองน้อย	-	+	-	-	-
Adyriaceae	<i>Diplazium esculentum</i>	ผักบุ้ง	+	-	+	-	-
Commelinaceae	<i>Commelina diffusa</i>	ผักปลาบใบแคบ	++	+	+	+	+
Cyperaceae	<i>Cyperus compactus</i>	หญ้าใบแคบ	-	+	-	-	-
	<i>Cyperus cephalotes</i>	กกเขรพ่น้ำ	-	+	-	-	-
	<i>Cyperus difformis</i>	กกเขรปาก	-	+	+	-	-
	<i>Cyperus iria</i>	กกทราย	-	-	+	-	+
	<i>Cyperus pilosus</i>	กกสามเหลี่ยม	-	+	+	-	+
Fabaceae	<i>Sesbania javanica</i>	โสน	-	+	+	-	-
Mimosaceae	<i>Mimosa pigra</i>	ไมยราพยักษ์	+	-	+	-	++
Omnigraceae	<i>Jussiaea limfolia</i>	เทียนนา	+	-	+	-	+

ตาราง ผลการวิเคราะห์พืชน้ำ (เก็บตัวอย่างวันที่ 4 สิงหาคม 2568) (ต่อ)

วงศ์	ชื่อวิทยาศาสตร์	ชื่อภาษาไทย	บริเวณที่ทำการสำรวจ				
			2568371-1	2568371-2	2568371-3	2568387-1	2568387-2
Poaceae	<i>Brachiaria mutica</i>	หญ้าขน	+++	+++	+++	++	++
	<i>Brachiaria reptans</i>	หญ้าตีนกิ้ง	++	++	++	+	++
	<i>Leptochloa chinensis</i>	หญ้าดอกขาว	+++	+++	+++	++	++
	<i>Phragmites karka</i>	แขม	+	++	-	+	+
Polygonaceae	<i>Polygonum glabrum</i>	ผักไผ่	+	-	+	++	+
	<i>Polygonum tomentosum</i>	เอื้องเห็ดน้ำ	-	-	-	+	-
รวมจำนวนชนิดพืชที่พบทั้งหมด			12	13	13	8	10

Sample Location : - ไม่นาน + น้อย ++ ปานกลาง +++ มาก

1. สถานี 2568371-1 : ห้วยธารธารประ โชน (คลองน้อย) บริเวณต้นน้ำ เมื่อเทียบกับจุดระบายน้ำทั้งหมดของโครงการ 500 เมตร (B1)

2. สถานี 2568371-2 : ห้วยธารธารประ โชน (คลองน้อย) บริเวณจุดระบายน้ำทั้งหมดของโครงการ (B2)

3. สถานี 2568371-3 : คลองลำพัง บริเวณต้นน้ำ เมื่อเทียบกับจุดระบายน้ำทั้งหมดของโครงการ (คลองน้อย) ของโครงการ 500 เมตร (B3)

4. สถานี 2568387-1 : คลองลำพัง จุดระบายน้ำทั้งหมดของโครงการ (B4)

5. สถานี 2568387-2 : คลองลำพังจุดระบายน้ำทั้งหมด 500 เมตร (B5)

Condition of Sample : Data sheet

นายอรรถวุฒิ กันทะวงศ์
(นายอรรถวุฒิ กันทะวงศ์)
ผู้วิเคราะห์

นายอรรถวุฒิ กันทะวงศ์
(นายอรรถวุฒิ กันทะวงศ์)
หัวหน้าสถานีวัดประมงศรีราชา



สถานีวัดประมงศรีราชา
101/12 หมู่ 9 ต. บางพระ
อ. ศรีราชา จ.ชลบุรี 20110
โทร./โทรสาร. (038) 311379

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
Address : 121 Moo 3 Tambol Maenamkoo, Amphur Phluakdaeng, Rayong, Thailand, 21140
Project Name : Monitoring
Project Location : WHA ESIE 4

รายงานผลการวิเคราะห์แหล่งกักต่อน้ำ (หน่วยต่อลูกบาศก์เมตร)
ตาราง ผลการวิเคราะห์แหล่งกักต่อน้ำ (เก็บตัวอย่างวันที่ 4 สิงหาคม 2568)

ชนิดแหล่งกักต่อน้ำ	ปริมาณแหล่งกักต่อน้ำ (หน่วยต่อลูกบาศก์เมตร)				
	2568356-1	2568356-2	2568356-3	2568388-1	2568388-2
Division Cyanophyta					
Class Cyanophyceae					
Order Nostocales					
Family Oscillatoriaceae					
1. <i>Oscillatoria anguina</i>	31,000	20,000	-	-	-
2. <i>Oscillatoria brevis</i>	-	-	274,000	-	-
3. <i>Oscillatoria limnetica</i>	114,000	-	2,645,000	847,000	12,566,000
4. <i>Oscillatoria</i> sp.	166,000	241,000	1,482,000	-	-
5. <i>Oscillatoria tenuis</i>	21,000	181,000	182,000	-	10,000
6. <i>Spirulina platensis</i>	-	-	-	-	10,000
Family Nostocaceae					
7. <i>Anabaena</i> sp.	-	-	-	10,000	10,000
Family Rivulariaceae					
8. <i>Calathrix</i> sp.	-	20,000	91,000	41,000	-

ตาราง ผลการวิเคราะห์แฟลงก์ตอนพืช (เก็บตัวอย่างวันที่ 4 สิงหาคม 2568)

ชนิดแฟลงก์ตอนพืช	ปริมาณแฟลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)				
	2568356-1	2568356-2	2568356-3	2568388-1	2568388-2
Division Chlorophyta					
Class Chlorophyceae					
Order Volvocales					
Family Volvocaceae					
9. Eudorina elegans	-	-	-	-	21,000
10. Gonium sociale	-	-	-	-	155,000
11. Pandorina morum	10,000	10,000	57,000	-	21,000
Order Tetrasporales					
Family Palmellaceae					
12. Asterococcus superbus	-	-	-	20,000	-
13. Sphaerocystis Schroeteri	-	90,000	-	-	10,000
Order Chlorococcales					
Family Hydrodictyceae					
14. Pediatrum duplex	1,352,000	28,140,000	16,872,000	1,428,000	4,944,000
15. Pediatrum tetras	62,000	10,854,000	11,400,000	847,000	2,884,000
Family Coelastraceae					
16. Coelastrum microporum	-	10,000	-	245,000	371,000
Family Oocystaceae					
17. Ankistrodesmus falcatus	10,000	-	-	20,000	103,000
18. Ankistrodesmus spiralis	-	-	-	31,000	21,000
19. Chlorella vulgaris	-	-	-	-	10,000
20. Dictyosphaerium pulchellum	19,552,000	-	-	184,000	10,000
21. Oocystis elliptica	-	-	23,000	31,000	-
22. Selenastrum gracile	-	-	-	10,000	-
23. Tetradron gracile	-	-	228,000	-	31,000
24. Tetradron trigonum	21,000	-	-	-	-

ตาราง ผลการวิเคราะห์แฟลงก์ตอนพืช (เก็บตัวอย่างวันที่ 4 สิงหาคม 2568)

ชนิดแฟลงก์ตอนพืช	ปริมาณแฟลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)				
	2568356-1	2568356-2	2568356-3	2568388-1	2568388-2
Class Euglenophyceae					
Order Euglenales					
Family Euglenaceae					
46. Euglena acus	-	-	-	41,000	31,000
47. Euglena oxyuris	-	1,106,000	1,060,000	51,000	62,000
48. Euglena sp.	-	151,000	205,000	-	-
49. Euglena viridis	-	-	-	102,000	10,000
50. Lepocinclis ovum	52,000	3,216,000	1,505,000	204,000	206,000
51. Phacus angulatus	21,000	111,000	182,000	153,000	165,000
52. Phacus hamatus	-	-	-	10,000	-
53. Phacus longicauda	-	-	-	20,000	31,000
54. Phacus myersi	-	10,000	-	-	10,000
55. Phacus platalea	10,000	-	-	20,000	10,000
56. Phacus sp.	-	121,000	604,000	51,000	124,000
57. Phacus stokesii	-	-	-	10,000	-
58. Phacus tortus	-	70,000	137,000	31,000	41,000
59. Strombomonas acuminata	-	-	11,000	10,000	10,000
60. Strombomonas australica	-	-	-	20,000	-
61. Strombomonas fluviatilis	-	-	-	-	41,000
62. Strombomonas gibberosa	21,000	-	-	-	10,000
63. Strombomonas girardiana	-	-	114,000	224,000	21,000
64. Strombomonas sp.	-	-	11,000	-	-
65. Trachelomonas crebea	10,000	-	-	10,000	103,000
66. Trachelomonas daugerdiana	-	-	-	10,000	21,000
67. Trachelomonas hispida	31,000	10,000	581,000	1,224,000	1,710,000
68. Trachelomonas mirabilis	-	-	-	-	536,000
69. Trachelomonas volzii	-	-	-	10,000	52,000

ตาราง ผลการวิเคราะห์แฟลงก์ตอนพืช (เก็บตัวอย่างวันที่ 4 สิงหาคม 2568)

ชนิดแฟลงก์ตอนพืช	ปริมาณแฟลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)				
	2568356-1	2568356-2	2568356-3	2568388-1	2568388-2
Family Scenedesmaceae					
25. Actinastrum gracillimum	-	-	-	10,000	-
26. Actinastrum hantzschii	-	-	-	153,000	1,030,000
27. Crucigenia apiculata	-	-	-	20,000	464,000
28. Scenedesmus arcuatus	-	-	-	20,000	10,000
29. Scenedesmus armatus	10,000	10,000	22,000	102,000	206,000
30. Scenedesmus bijuga	-	-	-	10,000	-
31. Scenedesmus denticulatus	-	-	-	31,000	31,000
32. Scenedesmus dimorphus	-	-	-	235,000	876,000
33. Scenedesmus opoliensis	333,000	5,628,000	1,391,000	153,000	834,000
34. Scenedesmus quadricauda	73,000	2,211,000	2,314,000	92,000	330,000
Order Ulotrichales					
Family Ulotrichaceae					
35. Geminella sp.	21,000	-	22,000	-	-
Order Zygomatales					
Family Zygnemataceae					
36. Spirogyra sp.	125,000	1,910,000	148,000	-	-
37. Spirogyra weberi	-	1,226,000	-	-	639,000
Family Desmidiaceae					
38. Closterium acerosum	31,000	-	-	-	10,000
39. Closterium ehrenbergii	10,000	-	22,000	61,000	113,000
40. Cosmarium nudum	-	-	11,000	-	-
41. Cosmarium rectangulare	-	-	34,000	10,000	10,000
42. Cosmarium sp.	10,000	10,000	47,000	-	10,000
43. Hyalotheca dissiliens	21,000	-	1,072,000	-	-
44. Penium cucurbitinum	-	10,000	-	-	-
45. Pleurotaenium sp.	-	20,000	-	-	-

ตาราง ผลการวิเคราะห์แฟลงก์ตอนพืช (เก็บตัวอย่างวันที่ 4 สิงหาคม 2568)

ชนิดแฟลงก์ตอนพืช	ปริมาณแฟลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)				
	2568356-1	2568356-2	2568356-3	2568388-1	2568388-2
Division Chromophyta					
Class Bacillariophyceae					
Order Biddulphiales					
Suborder Coscinodiscineae					
Family Thalassiosiraceae					
70. Cyclotella meneghiniana	-	241,000	182,000	31,000	288,000
71. Cyclotella stelligera	31,000	201,000	11,000	10,000	10,000
Family Aulacoseiraceae					
72. Aulacoseira granulata	-	-	-	632,000	515,000
Order Bacillariales					
Suborder Fragilariineae					
Family Fragilariaceae					
73. Fragilaria capucina	42,000	804,000	1,106,000	143,000	10,000
74. Synedra acus	-	-	-	10,000	31,000
75. Synedra ulna	31,000	764,000	2,645,000	714,000	1,576,000
Family Tabellariaceae					
76. Tabellaria fenestrata	-	-	-	-	103,000
Suborder Bacillariineae					
Family Eunotiaceae					
77. Emotia pectinalis	114,000	30,000	68,000	-	-
Family Achnantheaceae					
78. Achnanthyrium lanceolatum	10,000	-	-	-	-
Family Cymbellaceae					
79. Gomphonema parvulum	21,000	151,000	798,000	10,000	237,000
Family Naviculaceae					
80. Gyrosigma attenuatum	655,000	-	-	10,000	10,000
81. Navicula cuspidata	10,000	-	-	-	10,000

ตาราง ผลการวิเคราะห์แพลงก์ตอนพืช (เก็บตัวอย่างวันที่ 4 สิงหาคม 2568)
(ต่อ)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)				
	2568356-1	2568356-2	2568356-3	2568388-1	2568388-2
82. <i>Navicula lanceolata</i>	728,000	-	171,000	-	103,000
83. <i>Navicula</i> sp.	-	-	11,000	-	-
84. <i>Pinnularia gibba</i>	-	10,000	125,000	41,000	206,000
85. <i>Pinnularia grunowii</i>	10,000	-	-	-	-
86. <i>Pinnularia pulchella</i>	-	10,000	-	-	-
87. <i>Pinnularia</i> sp.	-	111,000	-	-	-
88. <i>Pinnularia subanglica</i>	10,000	-	-	-	-
Family Bacillariaceae					
89. <i>Nitzschia acicularis</i>	-	-	-	20,000	-
90. <i>Nitzschia linearis</i>	10,000	-	-	102,000	-
91. <i>Nitzschia lorenziana</i>	21,000	-	-	-	-
92. <i>Nitzschia navis-varingic</i>	-	-	-	326,000	196,000
93. <i>Nitzschia palea</i>	-	20,000	707,000	6,375,000	18,334,000
94. <i>Nitzschia</i> sp.	-	-	-	224,000	-
Family Rhopalodiaceae					
95. <i>Epithemia argus</i>	10,000	-	-	-	-
96. <i>Rhopalodia gibba</i>	-	-	11,000	-	-
Family Surirellaceae					
97. <i>Surirella elegans</i>	10,000	-	11,000	41,000	-
98. <i>Surirella linearis</i>	10,000	-	-	-	-
99. <i>Surirella robusta</i>	73,000	-	11,000	10,000	-
100. <i>Surirella tenera</i>	31,000	-	-	-	21,000
Class Dinophyceae					
Order Peridinales					
Family Peridiniaceae					
101. <i>Peridinium</i> sp.	10,000	191,000	-	20,000	21,000

ตาราง ผลการวิเคราะห์แพลงก์ตอนพืช (เก็บตัวอย่างวันที่ 4 สิงหาคม 2568)
(ต่อ)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)				
	2568356-1	2568356-2	2568356-3	2568388-1	2568388-2
ชนิดแพลงก์ตอนพืช	44	36	43	59	64
ปริมาณแพลงก์ตอนพืช	23,955,000	57,919,000	48,604,000	15,531,000	50,605,000
ดัชนีความหลากหลายแพลงก์ตอนพืช	0.9330	1.7790	2.2687	2.4620	2.1685
ดัชนีความสม่ำเสมอแพลงก์ตอนพืช	0.2466	0.4964	0.6032	0.6038	0.5214

- Sample Location :
- สถานี 2568356-1 : ห้วยสาธารณประโยชน์ (คลองน้อย) บริเวณคันน้ำ เมื่อเทียบกับจุดระบายน้ำทิ้งของโครงการ 500 เมตร (B1)
 - สถานี 2568356-2 : ห้วยสาธารณประโยชน์ (คลองน้อย) บริเวณจุดระบายน้ำทิ้งของโครงการ (B2)
 - สถานี 2568356-3 : คลองจำพัง บริเวณท้ายน้ำ เมื่อเทียบกับจุดระบายน้ำทิ้งห้วยสาธารณประโยชน์ (คลองน้อย) ของโครงการ 500 เมตร (B3)
 - สถานี 2568388-1 : คลองจำพัง จุดระบายน้ำทิ้งของโครงการ (B4)
 - สถานี 2568388-2 : คลองจำพังหลังจุดระบายน้ำทิ้ง 500 เมตร (B5)

Condition of Sample : contained in one plastic bottle, sample containers comply to pretreatment-preservation standards (APHA, USEPA)



(นางสาวกนกวรรณ ขาวค้อน)
ผู้วิเคราะห์



(นางอองกณ อ้นทราชาติ)
หัวหน้าสถานีวิจัยประมงศรีราชา



สถานีวิจัยประมงศรีราชา
101/12 หมู่ 9 ต. บางพระ
อ. ศรีราชา จ. ชลบุรี 20110
โทร./โทรสาร. (038) 311379

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
Address : 121 Moo 3 Tambol Maenamkoo, Amphur Pluakdaeng, Rayong, Thailand, 21140
Project Name : Monitoring
Project Location : WHA ESIE 4

รายงานผลการวิเคราะห์แพลงก์ตอนสัตว์
ตาราง ผลการวิเคราะห์แพลงก์ตอนสัตว์ (เก็บตัวอย่างวันที่ 4 สิงหาคม 2568)

ชนิดแพลงก์ตอนสัตว์	ปริมาณแพลงก์ตอนสัตว์ (หน่วยต่อลูกบาศก์เมตร)				
	2568356-1	2568356-2	2568356-3	2568388-1	2568388-2
Phylum Protozoa					
Subphylum Plasmodroma					
Class Sarcodina					
Subclass Rhizopoda					
Order Testacida					
Family Arcellidae					
1. <i>Arcella</i> sp.	31,000	20,000	22,000	31,000	-
2. <i>Arcella vulgaris</i>	21,000	30,000	22,000	71,000	10,000
Family Diffugiidae					
3. <i>Centropixys aculeata</i>	10,000	20,000	-	-	-
4. <i>Diffugia acuminata</i>	-	-	-	10,000	-
5. <i>Diffugia lobostoma</i>	10,000	30,000	22,000	-	-
Family Euglyphidae					
6. <i>Euglypha acanthophora</i>	10,000	60,000	34,000	-	10,000

ตาราง ผลการวิเคราะห์แพลงก์ตอนสัตว์ (เก็บตัวอย่างวันที่ 4 สิงหาคม 2568)
(ต่อ)

ชนิดแพลงก์ตอนสัตว์	ปริมาณแพลงก์ตอนสัตว์ (หน่วยต่อลูกบาศก์เมตร)				
	2568356-1	2568356-2	2568356-3	2568388-1	2568388-2
7. <i>Euglypha rotunda</i>	-	10,000	-	-	-
8. <i>Euglypha</i> sp.	21,000	-	11,000	-	21,000
Subphylum Ciliophora					
Class Ciliata					
Subclass Holotricha					
Order Gymnostomatida					
9. <i>Coleps</i> sp.	-	-	-	20,000	-
Order Hymenostomatida					
10. <i>Paramecium</i> sp.	-	-	-	10,000	-
Subclass Spiotricha					
Order Hypotrichida					
11. <i>Euplotes</i> sp.	-	-	-	10,000	10,000
Subclass Peritricha					
Order Peritrichida					
12. <i>Pxicola</i> sp.	10,000	40,000	-	-	-
13. <i>Vorticella</i> sp.	-	80,000	11,000	-	-
Phylum Rotifera					
Class Monogononta					
Order Ploima					
Family Brachionidae					
14. <i>Anuraeopsis fissa</i>	-	50,000	91,000	-	-
15. <i>Brachionus angularis</i>	-	40,000	-	-	-
16. <i>Cohurella obtusa</i>	21,000	-	-	-	-
17. <i>Lepadella acuminata</i>	10,000	-	-	-	-
Family Lecanidae					
18. <i>Lecane closterocerca</i>	10,000	-	-	-	-
19. <i>Lecane inopinata</i>	-	10,000	-	10,000	-

ตาราง ผลการวิเคราะห์แพลงก์ตอนสัตว์ (เก็บตัวอย่างวันที่ 4 สิงหาคม 2568)
(ต่อ)

ชนิดแพลงก์ตอนสัตว์	ปริมาณแพลงก์ตอนสัตว์ (หน่วยต่อลูกบาศก์เมตร)				
	2568356-1	2568356-2	2568356-3	2568388-1	2568388-2
20. <i>Lecane papuana</i>	-	10,000	-	-	-
21. <i>Lecane thienemanni</i>	-	10,000	11,000	-	-
Family Notommatidae					
22. <i>Cephalodella gibba</i>	10,000	-	34,000	31,000	72,000
Family Tricerceridae					
23. <i>Trichocerca pusilla</i>	-	20,000	11,000	-	-
Family Asplanchnidae					
24. <i>Asplanchna priodonta</i>	42,000	70,000	11,000	10,000	21,000
Family Synchaetidae					
25. <i>Polyarthra dolichoptera</i>	-	40,000	22,000	-	-
26. <i>Polyarthra vulgaris</i>	-	-	182,000	10,000	-
Order Flosculariacea					
Family Testudinellidae					
27. <i>Filinia terminalis</i>	-	-	11,000	-	-
Class Digononta					
Family Philodinidae					
28. <i>Philodina</i> sp.	-	40,000	-	-	-
29. <i>Rotaria</i> sp.	-	30,000	-	-	-
Phylum Arthropoda					
Class Crustacea					
Subclass Branchiopoda					
Order Diplostraca					
Suborder Cladocera					
Family Chydoridae					
30. <i>Alonella</i> sp.	10,000	-	-	-	-


ตาราง ผลการวิเคราะห์แพลงก์ตอนสัตว์ (เก็บตัวอย่างวันที่ 4 สิงหาคม 2568)
(ต่อ)

ชนิดแพลงก์ตอนสัตว์	ปริมาณแพลงก์ตอนสัตว์ (หน่วยต่อลูกบาศก์เมตร)				
	2568356-1	2568356-2	2568356-3	2568388-1	2568388-2
Subclass Ostracoda					
Order Podocopa					
Family Cypridae					
31. <i>Cypridopsis</i> sp.	-	10,000	-	-	-
Subclass Copepoda					
32. <i>Copepod nuaplius</i>	-	20,000	34,000	-	10,000
ชนิดแพลงก์ตอนสัตว์	13	20	15	10	7
ปริมาณแพลงก์ตอนสัตว์	216,000	640,000	529,000	213,000	154,000
ดัชนีความหลากหลายแพลงก์ตอนสัตว์	2.4149	2.8047	2.2113	2.0109	1.6091
ดัชนีความสม่ำเสมอแพลงก์ตอนสัตว์	0.9415	0.9362	0.8166	0.8733	0.8269

Sample Location : 1. สถานี 2568356-1 : ห้วยสาธารณประโยชน์ (คลองน้อย) บริเวณคันน้ำ เมื่อเทียบกับจุดระบายน้ำทิ้งของโครงการ 500 เมตร (B1)
2. สถานี 2568356-2 : ห้วยสาธารณประโยชน์ (คลองน้อย) บริเวณจุดระบายน้ำทิ้งของโครงการ (B2)
3. สถานี 2568356-3 : คลองจำพัง บริเวณท้ายน้ำ เมื่อเทียบกับจุดระบายน้ำทิ้งห้วยสาธารณประโยชน์ (คลองน้อย) ของโครงการ 500 เมตร (B3)
4. สถานี 2568388-1 : คลองจำพัง จุดระบายน้ำทิ้งของโครงการ (B4)
5. สถานี 2568388-2 : คลองจำพังหลังจุดระบายน้ำทิ้ง 500 เมตร (B5)

Condition of Sample : contained in one plastic bottle, sample containers comply to pretreatment-preservation standards (APHA, USEPA)


(นางสาวกนกวรรณ ขาวค้อน)
ผู้วิเคราะห์


(นายอลงกต อินทรชาติ)
หัวหน้าสถานีวิจัยประมงศรีราชา



สถานีวิจัยประมงศรีราชา
101/12 หมู่ 9 ต. บางพระ
อ. ศรีราชา จ. ชลบุรี 20110
โทร./โทรสาร. (038) 311379

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
Address : 121 Moo 3 Tambol Maenamkoo, Amphur Phuakdaeng, Rayong, Thailand, 21140
Project Name : Monitoring
Project Location : WHA ESIE 4

รายงานผลการวิเคราะห์สัตว์หน้าดิน

ตาราง ผลการวิเคราะห์สัตว์หน้าดิน (เก็บตัวอย่างวันที่ 4 สิงหาคม 2568)


สกุลสัตว์หน้าดิน	ปริมาณสัตว์หน้าดิน (ตัวต่อตารางเมตร)				
	2568361-1	2568361-2	2568361-3	2568394-1	2568394-2
Phylum Annelida					
Class Clitellata					
Order Lumbriculida					
Family Lumbriculidae					
<i>Lumbriculus</i> sp. (ไส้เดือนน้ำ)	-	-	-	89	-
Phylum Arthropoda					
Class Insecta					
Order Diptera					
Family Chironomidae					
<i>Chironomus</i> sp. (หนอนแดง)	134	89	193	30	45
Order Trichoptera					
Family Hydropsychidae					
<i>Hydropsyche</i> sp. (ตัวอ่อนแมลงหนอนปลอกน้ำ)	-	30	-	-	-


ตาราง ผลการวิเคราะห์สัตว์หน้าดิน (เก็บตัวอย่างวันที่ 4 สิงหาคม 2568) (ต่อ)

สกุลสัตว์หน้าดิน	ปริมาณสัตว์หน้าดิน (ตัวต่อตารางเมตร)				
	2568361-1	2568361-2	2568361-3	2568394-1	2568394-2
Class Ostracoda					
Order Podocopida					
Family Cyprididae					
<i>Stenocypris</i> sp. (ออสตราคอด)	104	-	45	-	-
Class Malacostraca					
Order Decapoda					
Family Gecarcinucidae					
<i>Sayamia</i> sp. (ปูน้ำ)	-	45	-	-	-
สกุลสัตว์หน้าดิน	2	3	2	2	1
ปริมาณสัตว์หน้าดิน	238	164	238	119	45
ค่าดัชนีความหลากหลายสัตว์หน้าดิน	0.6852	0.9973	0.4849	0.5646	0.0000

Sample Location : 1. สถานี 2568361-1 : ห้วยสาธารณประโยชน์ (คลองน้อย) บริเวณคันน้ำ เมื่อเทียบกับจุดระบายน้ำทิ้งของโครงการ 500 เมตร (B1)
2. สถานี 2568361-2 : ห้วยสาธารณประโยชน์ (คลองน้อย) บริเวณจุดระบายน้ำทิ้งของโครงการ (B2)
3. สถานี 2568361-3 : คลองจำพัง บริเวณท้ายน้ำ เมื่อเทียบกับจุดระบายน้ำทิ้งห้วยสาธารณประโยชน์ (คลองน้อย) ของโครงการ 500 เมตร (B3)
4. สถานี 2568394-1 : คลองจำพัง จุดระบายน้ำทิ้งของโครงการ (B4)
5. สถานี 2568394-2 : คลองจำพังหลังจุดระบายน้ำทิ้ง 500 เมตร (B5)

Condition of Sample : contained in one plastic zip bag


(นายอรรณพ กิ่งทะวงศ์)
ผู้วิเคราะห์


(นายอลงกต อินทรชาติ)
หัวหน้าสถานีวิจัยประมงศรีราชา

ภาคผนวก ค-10

ผลการตรวจวิเคราะห์โลหะหนักในตะกอนดิน



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Plaungkang, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2574659
Date Received : Sep 24, 2025
Date Reported : Oct 28, 2025
Report Number : 3383427-1

Page 1 of 6

Sample Number 2574659-1
Sample Date Sep 24, 2025 2:05 PM
Sample Description Sediment (Dry Basis)
Location หน่วยราชการแม่โขง (คลองแม่) บริเวณต้นน้ำ เข้มข้นในจุดตรวจน้ำที่ของโครงการ 500 เมตร (SD1)
Date Analysis Commenced Sep 25, 2025
Condition of Sample Packed in one plastic bag, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminium	mg/kg	-	1.00	2397	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Arsenic	mg/kg	-	0.50	1.08	≤10	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Barium	mg/kg	-	1.00	24.4	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Cadmium	mg/kg	-	0.50	<0.50	≤1	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Copper	mg/kg	-	1.00	1.34	≤31.5	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Hexavalent Chromium	mg/kg	-	0.25	<0.25	No Standard	United States Environmental Protection Agency, EPA Method 3060 A and 7196 A	Bangkok
Iron	mg/kg	-	1.00	1668	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Lead	mg/kg	-	1.00	4.12	≤36	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Manganese	mg/kg	-	1.00	127	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Mercury	mg/kg	-	0.10	<0.10	≤0.2	United States Environmental Protection Agency, EPA Method 7473	Bangkok
Nickel	mg/kg	-	1.00	1.14	≤23	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Selenium	mg/kg	-	0.50	<0.50	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Savitree N.
Savitree Niamsang
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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Plaungkang, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2574659
Date Received : Sep 24, 2025
Date Reported : Oct 28, 2025
Report Number : 3383427-1

Page 2 of 6

Sample Number 2574659-1
Sample Date Sep 24, 2025 2:05 PM
Sample Description Sediment (Dry Basis)
Location หน่วยราชการแม่โขง (คลองแม่) บริเวณต้นน้ำ เข้มข้นในจุดตรวจน้ำที่ของโครงการ 500 เมตร (SD1)
Date Analysis Commenced Sep 25, 2025
Condition of Sample Packed in one plastic bag, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Trivalent Chromium	mg/kg	-	1.00	3.26	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Zinc	mg/kg	-	1.00	8.79	≤120	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Physical Parameters							
Moisture	%	-	0.1	26.6	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 G	Bangkok

Guideline : Notification of The National Environmental Board B.E.2565, for protect benthic animals

Note : Analysis Results expressed on dry basis.

Sampling By : Pattarapol Sawangjaitam

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Plaungkang, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2574659
Date Received : Sep 24, 2025
Date Reported : Oct 28, 2025
Report Number : 3383427-1

Page 3 of 6

Sample Number 2574659-2
Sample Date Sep 24, 2025 1:45 PM
Sample Description Sediment (Dry Basis)
Location หน่วยราชการแม่โขง (คลองแม่) บริเวณจุดตรวจน้ำที่ของโครงการ (SD2)
Date Analysis Commenced Sep 25, 2025
Condition of Sample Packed in one plastic bag, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminium	mg/kg	-	1.00	924	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Arsenic	mg/kg	-	0.50	<0.50	≤10	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Barium	mg/kg	-	1.00	3.00	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Cadmium	mg/kg	-	0.50	<0.50	≤1	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Copper	mg/kg	-	1.00	<1.00	≤31.5	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Hexavalent Chromium	mg/kg	-	0.25	<0.25	No Standard	United States Environmental Protection Agency, EPA Method 3060 A and 7196 A	Bangkok
Iron	mg/kg	-	1.00	710	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Lead	mg/kg	-	1.00	1.40	≤36	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Manganese	mg/kg	-	1.00	8.52	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Mercury	mg/kg	-	0.10	<0.10	≤0.2	United States Environmental Protection Agency, EPA Method 7473	Bangkok
Nickel	mg/kg	-	1.00	<1.00	≤23	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Selenium	mg/kg	-	0.50	<0.50	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Plaungkang, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2574659
Date Received : Sep 24, 2025
Date Reported : Oct 28, 2025
Report Number : 3383427-1

Page 4 of 6

Sample Number 2574659-2
Sample Date Sep 24, 2025 1:45 PM
Sample Description Sediment (Dry Basis)
Location หน่วยราชการแม่โขง (คลองแม่) บริเวณจุดตรวจน้ำที่ของโครงการ (SD2)
Date Analysis Commenced Sep 25, 2025
Condition of Sample Packed in one plastic bag, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Trivalent Chromium	mg/kg	-	1.00	2.64	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Zinc	mg/kg	-	1.00	4.79	≤120	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Physical Parameters							
Moisture	%	-	0.1	17.7	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 G	Bangkok

Guideline : Notification of The National Environmental Board B.E.2565, for protect benthic animals

Note : Analysis Results expressed on dry basis.

Sampling By : Pattarapol Sawangjaitam

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2574659
Date Received : Sep 24, 2025
Date Reported : Oct 28, 2025
Report Number : 3383427-1

Page 5 of 6

Sample Number 2574659-3
Sample Date Sep 24, 2025 1:32 PM
Sample Description Sediment (Dry Basis)
Location คลองเจ้าฟัก บริเวณท่าเรือ (เดิม) บริเวณจุดระบายน้ำที่ 7 ห่างจากอาคารแปรรูปไขมัน (คลองเจ้าฟัก) ของโครงการ 500 เมตร (SD3)
Date Analysis Commenced Sep 25, 2025
Condition of Sample Packed in one plastic bag, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminium	mg/kg	-	1.00	1082	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Arsenic	mg/kg	-	0.50	<0.50	≤10	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Barium	mg/kg	-	1.00	11.0	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Cadmium	mg/kg	-	0.50	<0.50	≤1	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Copper	mg/kg	-	1.00	<1.00	≤31.5	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Hexavalent Chromium	mg/kg	-	0.25	<0.25	No Standard	United States Environmental Protection Agency, EPA Method 3060 A and 7196 A	Bangkok
Iron	mg/kg	-	1.00	806	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Lead	mg/kg	-	1.00	1.94	≤36	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Manganese	mg/kg	-	1.00	8.67	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Mercury	mg/kg	-	0.10	<0.10	≤0.2	United States Environmental Protection Agency, EPA Method 7473	Bangkok
Nickel	mg/kg	-	1.00	<1.00	≤23	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Selenium	mg/kg	-	0.50	<0.50	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Savitree N.
Savitree Niamsiam
Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2574659
Date Received : Sep 24, 2025
Date Reported : Oct 28, 2025
Report Number : 3383427-1

Page 6 of 6

Sample Number 2574659-3
Sample Date Sep 24, 2025 1:32 PM
Sample Description Sediment (Dry Basis)
Location คลองเจ้าฟัก บริเวณท่าเรือ (เดิม) บริเวณจุดระบายน้ำที่ 7 ห่างจากอาคารแปรรูปไขมัน (คลองเจ้าฟัก) ของโครงการ 500 เมตร (SD3)
Date Analysis Commenced Sep 25, 2025
Condition of Sample Packed in one plastic bag, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Trivalent Chromium	mg/kg	-	1.00	2.06	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Zinc	mg/kg	-	1.00	3.46	≤120	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Physical Parameters							
Moisture	%	-	0.1	20.0	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 G	Bangkok

Guideline : Notification of The National Environmental Board B.E.2565, for protect benthic animals

Note : Analysis Results expressed on dry basis.

Sampling By : Pattarapol Sawangjaitam

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140
P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2576539
Date Received : Sep 24, 2025
Date Reported : Oct 28, 2025
Report Number : 3383443-1

Page 1 of 4

Sample Number 2576539-1
Sample Date Sep 24, 2025 11:12 AM
Sample Description Sediment (Dry Basis)
Location คลองเจ้าฟัก จุดระบายน้ำที่โครงการ (SD4)
Date Analysis Commenced Sep 25, 2025
Condition of Sample Packed in one plastic bag, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminium	mg/kg	-	1.00	7895	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Arsenic	mg/kg	-	0.50	3.45	≤10	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Barium	mg/kg	-	1.00	38.8	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Cadmium	mg/kg	-	0.50	<0.50	≤1	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Copper	mg/kg	-	1.00	3.07	≤31.5	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Hexavalent Chromium	mg/kg	-	0.25	<0.25	No Standard	United States Environmental Protection Agency, EPA Method 3060 A and 7196 A	Bangkok
Iron	mg/kg	-	1.00	3617	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Lead	mg/kg	-	1.00	10.6	≤36	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Manganese	mg/kg	-	1.00	341	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Mercury	mg/kg	-	0.10	<0.10	≤0.2	United States Environmental Protection Agency, EPA Method 7473	Bangkok
Nickel	mg/kg	-	1.00	1.79	≤23	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Selenium	mg/kg	-	0.50	<0.50	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok

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Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140
P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2576539
Date Received : Sep 24, 2025
Date Reported : Oct 28, 2025
Report Number : 3383443-1

Page 2 of 4

Sample Number 2576539-1
Sample Date Sep 24, 2025 11:12 AM
Sample Description Sediment (Dry Basis)
Location คลองเจ้าฟัก จุดระบายน้ำที่โครงการ (SD4)
Date Analysis Commenced Sep 25, 2025
Condition of Sample Packed in one plastic bag, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Trivalent Chromium	mg/kg	-	1.00	6.12	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Zinc	mg/kg	-	1.00	155	≤120	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Physical Parameters							
Moisture	%	-	0.1	29.4	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 G	Bangkok

Guideline : Notification of The National Environmental Board B.E.2565, for protect benthic animals

Sampling By : Pattarapol Sawangjaitam

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Savitree Niamsiam
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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140
P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2576539
Date Received : Sep 24, 2025
Date Reported : Oct 28, 2025
Report Number : 3383443-1

Page 3 of 4

Sample Number 2576539-2
Sample Date Sep 24, 2025 2:55 PM
Sample Description Sediment (Dry Basis)
Location คลองน้ำพองฝั่งตะวันออก 500 เมตร (SD5)
Date Analysis Commenced Sep 25, 2025
Condition of Sample Packed in one plastic bag, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminium	mg/kg	-	1.00	488	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Arsenic	mg/kg	-	0.50	<0.50	≤10	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Barium	mg/kg	-	1.00	3.86	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Cadmium	mg/kg	-	0.50	<0.50	≤1	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Copper	mg/kg	-	1.00	<1.00	≤31.5	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Hexavalent Chromium	mg/kg	-	0.25	<0.25	No Standard	United States Environmental Protection Agency, EPA Method 3060 A and 7196 A	Bangkok
Iron	mg/kg	-	1.00	103	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Lead	mg/kg	-	1.00	2.47	≤36	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Manganese	mg/kg	-	1.00	13.0	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Mercury	mg/kg	-	0.10	<0.10	≤0.2	United States Environmental Protection Agency, EPA Method 7473	Bangkok
Nickel	mg/kg	-	1.00	<1.00	≤23	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Selenium	mg/kg	-	0.50	<0.50	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok

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Savitree Nonsiang
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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140
P/O :
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2576539
Date Received : Sep 24, 2025
Date Reported : Oct 28, 2025
Report Number : 3383443-1

Page 4 of 4

Sample Number 2576539-2
Sample Date Sep 24, 2025 2:55 PM
Sample Description Sediment (Dry Basis)
Location คลองน้ำพองฝั่งตะวันออก 500 เมตร (SD5)
Date Analysis Commenced Sep 25, 2025
Condition of Sample Packed in one plastic bag, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Trivalent Chromium	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Zinc	mg/kg	-	1.00	2.76	≤120	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Physical Parameters							
Moisture	%	-	0.1	24.2	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 G	Bangkok

Guideline : Notification of The National Environmental Board B.E.2565, for protect benthic animals
Sampling By : Pattarapol Sawangjaitam

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

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ภาคผนวก ค-11

ผลการตรวจวิเคราะห์คุณภาพดิน



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2576538
Date Received : Sep 19, 2025
Date Reported : Oct 01, 2025
Report Number : 3383436-1

Page 1 of 9

Sample Number 2576538-2
Sampled Date Sep 19, 2025 9:30 AM
Sample Description Soil (Dry Basis)
Location พื้นที่ผิวดินด้านทิศใต้ของระบบบำบัดน้ำเสียของโครงการ (S2)
Date Analysis Commenced Sep 22, 2025
Condition of Sample Packed in one plastic bag and one glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminium	mg/kg	-	1.00	5642	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Arsenic	mg/kg	-	0.50	0.68	≤25	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Barium	mg/kg	-	1.00	5.76	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Cadmium	mg/kg	-	0.50	<0.50	≤762	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Copper	mg/kg	-	1.00	1.44	≤35040	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Hexavalent Chromium	mg/kg	-	0.25	<0.25	≤212	United States Environmental Protection Agency, EPA Method 3060 A and 7136 A	Bangkok
Iron	mg/kg	-	1.00	2016	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Lead	mg/kg	-	1.00	5.47	≤800	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Manganese	mg/kg	-	1.00	130	≤19640	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Mercury	mg/kg	-	0.10	<0.10	≤263	United States Environmental Protection Agency, EPA Method 7473	Bangkok
Nickel	mg/kg	-	1.00	1.11	≤5205	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
SAR	-	-	1.00	<1.00	No Standard		Bangkok

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Savitree Naisriam
Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2576538
Date Received : Sep 19, 2025
Date Reported : Oct 01, 2025
Report Number : 3383436-1

Page 2 of 9

Sample Number 2576538-2
Sampled Date Sep 19, 2025 9:30 AM
Sample Description Soil (Dry Basis)
Location พื้นที่ผิวดินด้านทิศใต้ของระบบบำบัดน้ำเสียของโครงการ (S2)
Date Analysis Commenced Sep 22, 2025
Condition of Sample Packed in one plastic bag and one glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Selenium	mg/kg	-	0.50	<0.50	≤4380	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Silver	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Soluble Calcium	mg/kg	-	20.0	<20.0	No Standard		Bangkok
Soluble Magnesium	mg/kg	-	20.0	<20.0	No Standard		Bangkok
Soluble Sodium	mg/kg	-	20.0	<20.0	No Standard		Bangkok
Trivalent Chromium	mg/kg	-	1.00	3.86	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Zinc	mg/kg	-	1.00	2.70	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Physical Parameters							
Moisture	%	-	0.1	11.4	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 G	Bangkok
Soil Testing							
Cation Exchange Capacity	cmol/kg	-	1	12.4	No Standard	Soil Chemical Methods - Australasia (2011)	Bangkok
pH aqueous phase 50% (w/v)	-	-	-	5.1	No Standard	United States Environmental Protection Agency, EPA Method 9045 D	Bangkok

Guideline : Notification of National Environmental Board B.E. 2564 (2021), published in the Royal Government Gazette No. 138 Special Part 54 D dated March 11, B.E.2564

Class 2: Soil usage for commercial, agricultural and others.

Note : Analysis Results expressed on dry basis.

Sampling By : Samart Khumphiee

Remark :

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Savitree N.
Savitree Naisriam
Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2576538
Date Received : Sep 19, 2025
Date Reported : Oct 01, 2025
Report Number : 3383436-1

Page 3 of 9

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminium	mg/kg	-	1.00	8761	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Arsenic	mg/kg	-	0.50	1.14	≤25	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Barium	mg/kg	-	1.00	8.25	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Cadmium	mg/kg	-	0.50	<0.50	≤762	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Copper	mg/kg	-	1.00	1.90	≤35040	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Hexavalent Chromium	mg/kg	-	0.25	<0.25	≤212	United States Environmental Protection Agency, EPA Method 3060 A and 7136 A	Bangkok
Iron	mg/kg	-	1.00	4040	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Lead	mg/kg	-	1.00	6.14	≤800	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Manganese	mg/kg	-	1.00	181	≤19640	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Mercury	mg/kg	-	0.10	<0.10	≤263	United States Environmental Protection Agency, EPA Method 7473	Bangkok
Nickel	mg/kg	-	1.00	1.71	≤5205	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
SAR	-	-	1.00	<1.00	No Standard		Bangkok

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2576538
Date Received : Sep 19, 2025
Date Reported : Oct 01, 2025
Report Number : 3383436-1

Page 4 of 9

Sample Number 2576538-3
Sampled Date Sep 19, 2025 11:20 AM
Sample Description Soil (Dry Basis)
Location พื้นที่ผิวดินด้านตะวันออกของโครงการ (S3)
Date Analysis Commenced Sep 22, 2025
Condition of Sample Packed in one plastic bag and one glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminium	mg/kg	-	1.00	8761	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Arsenic	mg/kg	-	0.50	1.14	≤25	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Barium	mg/kg	-	1.00	8.25	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Cadmium	mg/kg	-	0.50	<0.50	≤762	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Copper	mg/kg	-	1.00	1.90	≤35040	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Hexavalent Chromium	mg/kg	-	0.25	<0.25	≤212	United States Environmental Protection Agency, EPA Method 3060 A and 7136 A	Bangkok
Iron	mg/kg	-	1.00	4040	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Lead	mg/kg	-	1.00	6.14	≤800	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Manganese	mg/kg	-	1.00	181	≤19640	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Mercury	mg/kg	-	0.10	<0.10	≤263	United States Environmental Protection Agency, EPA Method 7473	Bangkok
Nickel	mg/kg	-	1.00	1.71	≤5205	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
SAR	-	-	1.00	<1.00	No Standard		Bangkok

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2576538
Date Received : Sep 19, 2025
Date Reported : Oct 01, 2025
Report Number : 3383436-1

Page 5 of 9

Sample Number	2576538-3						
Sampled Date	Sep 19, 2025 11:20 AM						
Sample Description	Soil (Dry Basis)						
Location	พื้นที่ดินภายในเขตสวนของโครงการ (S3)						
Date Analysis Commenced	Sep 22, 2025						
Condition of Sample	Packed in one plastic bag and one glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Selenium	mg/kg	-	0.50	<0.50	≤4380	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Silver	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Soluble Calcium	mg/kg	-	20.0	<20.0	No Standard		Bangkok
Soluble Magnesium	mg/kg	-	20.0	<20.0	No Standard		Bangkok
Soluble Sodium	mg/kg	-	20.0	<20.0	No Standard		Bangkok
Trivalent Chromium	mg/kg	-	1.00	9.10	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Zinc	mg/kg	-	1.00	2.44	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Physical Parameters							
Moisture	%	-	0.1	13.1	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 G	Bangkok
Soil Testing							
Cation Exchange Capacity	cmol/kg	-	1	26.1	No Standard	Soil Chemical Methods - Australasia (2011)	Bangkok
pH aqueous phase 50% (w/v)	-	-	-	5.6	No Standard	United States Environmental Protection Agency, EPA Method 9045 D	Bangkok

Guideline : Notification of National Environmental Board B.E. 2564 (2021), published in the Royal Government Gazette No. 138 Special Part 54 D dated March 11, B.E.2564
Class 2: Soil usage for commercial, agricultural and others.
Note : Analysis Results expressed on dry basis.
Sampling By : Samart Khumphlee

Remark :

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Manager

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Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Pluakdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2576538
Date Received : Sep 19, 2025
Date Reported : Oct 01, 2025
Report Number : 3383436-1

Page 6 of 9

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Sample Number	2576538-4						
Sampled Date	Sep 19, 2025 11:20 AM						
Sample Description	Soil (Dry Basis)						
Location	พื้นที่ดินภายในเขตโรงงานของโครงการ (S3)						
Date Analysis Commenced	Sep 22, 2025						
Condition of Sample	Packed in one plastic bag and one glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Selenium	mg/kg	-	0.50	<0.50	≤4380	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Silver	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Soluble Calcium	mg/kg	-	20.0	<20.0	No Standard		Bangkok
Soluble Magnesium	mg/kg	-	20.0	<20.0	No Standard		Bangkok
Soluble Sodium	mg/kg	-	20.0	<20.0	No Standard		Bangkok
Trivalent Chromium	mg/kg	-	1.00	11.3	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Zinc	mg/kg	-	1.00	2.26	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Physical Parameters							
Moisture	%	-	0.1	13.1	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 G	Bangkok
Soil Testing							
Cation Exchange Capacity	cmol/kg	-	1	27.0	No Standard	Soil Chemical Methods - Australasia (2011)	Bangkok
pH aqueous phase 50% (w/v)	-	-	-	4.7	No Standard	United States Environmental Protection Agency, EPA Method 9045 D	Bangkok

Guideline : Notification of National Environmental Board B.E. 2564 (2021), published in the Royal Government Gazette No. 138 Special Part 54 D dated March 11, B.E.2564
Class 2: Soil usage for commercial, agricultural and others.
Note : Analysis Results expressed on dry basis.
Sampling By : Samart Khumphlee

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Savitree Nonsiang
Manager

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S:\Report\AL_GL-qr (7-42PM)



Analysis / Test Report

Client : WHA Eastern Seaboard Industrial Estate 4 Co., Ltd.
121 Moo 3, Tambol Maenamkoo, Amphur Plaakdaeng, Rayong Thailand 21140
P/O : 54250023
Project Name : Monitoring
Project Location : WHA ESIE 4

Lot ID: 2576538
Date Received : Sep 19, 2025
Date Reported : Oct 01, 2025
Report Number : 3383436-1

Page 9 of 9

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LDR (Limit of Reporting)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Savitree N.
Savitree Nuisangiam
Manager

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