

ภาคผนวก ค

ใบรับรองผลการตรวจวิเคราะห์ผลกระทบล้างผล

ภาคผนวก ค-1

ผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไป



Analysis / Test Report



TESTING
No.0042

Lot ID: 24110370

Date Received : Nov 06, 2024
Date Reported : Nov 12, 2024
Report Number: 3119939-1

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towe, New Petchburi Road, Bangkok, Huaykwang,
Bangkok Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Page 1 of 1

Sample Description		Air Quality				
Location		สถานี A1 : วัดดอนฤๅษณ์				
Date Analysis Commenced		Nov 07, 2024				
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	Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)	
24110370-1	Oct 26 - Oct 27, 2024	0.030	0.023	752	33	
24110370-2	Oct 27 - Oct 28, 2024	0.029	0.022	752	33	
24110370-3	Oct 28 - Oct 29, 2024	0.049	0.035	752	32	
24110370-4	Oct 29 - Oct 30, 2024	0.039	0.020	752	31	
24110370-5	Oct 30 - Oct 31, 2024	0.051	0.035	752	30	
24110370-6	Oct 31 - Nov 01, 2024	0.060	0.035	752	31	
24110370-7	Nov 01 - Nov 02, 2024	0.058	0.035	752	31	
Guideline		0.33	0.12	-	-	

Reference Method

Total Suspended Particulate : US EPA 40 CFR Part 50 Appendix B
Particulate Matter (PM-10) : US EPA 40 CFR Part 50 Appendix J

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

Sampled By : Santi Chaichana

Remark :

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

Approved by

Thanita K.

Thanita Kulsurwong
Scientist (4)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report 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 : Rojana Industrial Park Public Co., Ltd.

2034/115 26TH Fl. Italthai Towe, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310

P/O : RJN-LCB-033/66

Project Name : Laemchabang

Project Location :

Lot ID: 24110366

Date Received : Nov 07, 2024

Date Reported : Nov 13, 2024

Report Number: 3119933-1

Page 1 of 1

Sample Description		Air Quality						
Location		สถานีที่ A1 : วัดดอนฤๅษณ์						
Parameter		Sulfur Dioxide (ppm)						
Measurement Date		Oct 26, 2024 - Nov 02, 2024						
Measurement by		Santi Chaichana						
Time	24110366-1 Oct 26, 2024	24110366-2 Oct 27, 2024	24110366-3 Oct 28, 2024	24110366-4 Oct 29, 2024	24110366-5 Oct 30, 2024	24110366-6 Oct 31, 2024	24110366-7 Nov 01, 2024	
12:00 PM - 01:00 PM	0.0046	0.0038	0.0035	0.0033	0.0034	0.0033	0.0033	
01:00 PM - 02:00 PM	0.0045	0.0037	0.0034	0.0033	0.0034	0.0033	0.0033	
02:00 PM - 03:00 PM	0.0044	0.0037	0.0034	0.0033	0.0034	0.0032	0.0034	
03:00 PM - 04:00 PM	0.0045	0.0037	0.0034	0.0033	0.0033	0.0032	0.0034	
04:00 PM - 05:00 PM	0.0045	0.0038	0.0034	0.0033	0.0033	0.0033	0.0034	
05:00 PM - 06:00 PM	0.0046	0.0037	0.0034	0.0033	0.0033	0.0033	0.0034	
06:00 PM - 07:00 PM	0.0045	0.0037	0.0034	0.0033	0.0033	0.0033	0.0034	
07:00 PM - 08:00 PM	0.0044	0.0036	0.0034	0.0034	0.0033	0.0034	0.0034	
08:00 PM - 09:00 PM	0.0044	0.0036	0.0034	0.0034	0.0033	0.0034	0.0033	
09:00 PM - 10:00 PM	0.0043	0.0037	0.0034	0.0034	0.0033	0.0034	0.0033	
10:00 PM - 11:00 PM	0.0043	0.0036	0.0035	0.0034	0.0033	0.0034	0.0034	
11:00 PM - 12:00 AM	0.0044	0.0036	0.0034	0.0033	0.0033	0.0033	0.0033	
12:00 AM - 01:00 AM	0.0043	0.0036	0.0033	0.0033	0.0033	0.0033	0.0033	
01:00 AM - 02:00 AM	0.0043	0.0036	0.0033	0.0034	0.0034	0.0033	0.0033	
02:00 AM - 03:00 AM	0.0042	0.0035	0.0033	0.0034	0.0034	0.0033	0.0034	
03:00 AM - 04:00 AM	0.0042	0.0034	0.0033	0.0034	0.0033	0.0033	0.0033	
04:00 AM - 05:00 AM	0.0041	0.0035	0.0034	0.0034	0.0033	0.0034	0.0034	
05:00 AM - 06:00 AM	0.0041	0.0035	0.0034	0.0033	0.0033	0.0034	0.0033	
06:00 AM - 07:00 AM	0.0040	0.0038	0.0034	0.0033	0.0034	0.0034	0.0033	
07:00 AM - 08:00 AM	0.0040	0.0041	0.0033	0.0033	0.0034	0.0034	0.0033	
08:00 AM - 09:00 AM	0.0040	0.0038	0.0033	0.0034	0.0033	0.0035	0.0033	
09:00 AM - 10:00 AM	0.0039	0.0037	0.0033	0.0033	0.0034	0.0036	0.0033	
10:00 AM - 11:00 AM	0.0039	0.0035	0.0033	0.0034	0.0033	0.0034	0.0029	
11:00 AM - 12:00 PM	0.0038	0.0035	0.0033	0.0034	0.0033	0.0034	0.0032	
Average	0.0043	0.0037	0.0034	0.0033	0.0033	0.0034	0.0033	
1hr - Maximum	0.0046	0.0041	0.0035	0.0034	0.0034	0.0036	0.0034	
Standard 1hr - Average	0.3	0.3	0.3	0.3	0.3	0.3	0.3	
Standard 24 hrs - Average	0.12	0.12	0.12	0.12	0.12	0.12	0.12	
Standard		: Notification of the National Environment Board No.10, 1995 (B.E.2538), No. 21, 2001 (B.E.2544) and No.24, 2004 (B.E.2547).						
Reference Method		: US EPA Method Part 53 and 58						

Approved by

Orawan R.

Orawan Rakying
Scientist (3)

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towe, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110359
Date Received : Nov 07, 2024
Date Reported : Nov 13, 2024
Report Number: 3164169-1

Page 1 of 1

Sample Description	Air Quality						
Location	สถานี A1 : วัดมณีบุญญนาราม						
Parameter	Nitrogen dioxide ppm						
Measurement Date	) ct 26, 2024 - Nov 02, 2024						
Measurement by	Canti Chaichana						
Time	24110358-1) ct 26, 2024	24110358-2) ct 27, 2024	24110358-3) ct 29, 2024	24110358-4) ct 28, 2024	24110358-5) ct 30, 2024	24110358-6) ct 31, 2024	24110358-7 Nov 01, 2024
12:00 PM - 01:00 PM	0.0150	0.0202	0.0012	0.0031	0.0021	0.0016	0.0018
01:00 PM - 02:00 PM	0.0113	0.0041	0.0014	0.0045	0.0002	0.0026	0.0017
02:00 PM - 03:00 PM	0.0022	0.0101	0.0024	0.0121	0.0018	0.0071	0.0021
03:00 PM - 04:00 PM	0.0025	0.0013	0.0030	0.0112	0.0022	0.0064	0.0017
04:00 PM - 05:00 PM	0.0017	0.0018	0.0041	0.0119	0.0044	0.0053	0.0044
05:00 PM - 06:00 PM	0.0017	0.0034	0.0028	0.0099	0.0042	0.0055	0.0064
06:00 PM - 07:00 PM	0.0010	0.0022	0.0047	0.0136	0.0032	0.0051	0.0079
07:00 PM - 09:00 PM	0.0011	0.0046	0.0033	0.0059	0.0016	0.0015	0.0034
09:00 PM - 08:00 PM	0.0012	0.0049	0.0018	0.0039	0.0013	0.0011	0.0009
08:00 PM - 10:00 PM	0.0024	0.0024	0.0016	0.0029	0.0026	0.0012	0.0007
10:00 PM - 11:00 PM	0.0036	0.0017	0.0013	0.0053	0.0015	0.0029	0.0005
11:00 PM - 12:00 AM	0.0010	0.0017	0.0014	0.0036	0.0008	0.0032	0.0007
12:00 AM - 01:00 AM	0.0006	0.0013	0.0011	0.0012	0.0005	0.0029	0.0009
01:00 AM - 02:00 AM	0.0008	0.0016	0.0021	0.0008	0.0009	0.0009	0.0011
02:00 AM - 03:00 AM	0.0009	0.0023	0.0053	0.0019	0.0014	0.0006	0.0017
03:00 AM - 04:00 AM	0.0012	0.0068	0.0121	0.0128	0.0018	0.0012	0.0054
04:00 AM - 05:00 AM	0.0003	0.0084	0.0165	0.0166	0.0011	0.0038	0.0115
05:00 AM - 06:00 AM	0.0004	0.0111	0.0131	0.0174	0.0009	0.0090	0.0130
06:00 AM - 07:00 AM	0.0004	0.0077	0.0069	0.0103	0.0008	0.0181	0.0065
07:00 AM - 09:00 AM	0.0005	0.0051	0.0039	0.0050	0.0006	0.0177	0.0018
09:00 AM - 08:00 AM	0.0012	0.0054	0.0032	0.0018	0.0004	0.0070	0.0019
08:00 AM - 10:00 AM	0.0016	0.0036	0.0019	0.0019	0.0021	0.0048	0.0014
10:00 AM - 11:00 AM	0.0026	0.0022	0.0011	0.0020	0.0018	0.0020	0.0018
11:00 AM - 12:00 PM	0.0013	0.0018	0.0021	0.0030	0.0018	0.0016	0.0016
Average	0.0024	0.0048	0.0041	0.0067	0.0017	0.0047	0.0034
1hr - Maximum	0.0150	0.0202	0.0165	0.0174	0.0044	0.0181	0.0130
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, 2008 x8.E. 2552(.
Reference Method : UOEPAMethod Part 50 App. F xChemiluminescence(

Approved by

Orawan R.

) rawan Rakhyong
Scientist x3(

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towe, New Petchburi Road, Bangkok, Huaykwang,
Bangkok Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :



TESTING
No.0042

Lot ID: 24110370
Date Received : Nov 06, 2024
Date Reported : Nov 12, 2024
Report Number: 3119939-2

Page 1 of 1

Sample Description	Air Quality				
Location	สถานี A2 : วัดฉิมพวัน				
Date Analysis Commenced	Nov 07, 2024				
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	Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
24110370-8	Oct 26 - Oct 27, 2024	0.042	0.022	752	33
24110370-9	Oct 27 - Oct 28, 2024	0.029	0.020	752	33
24110370-10	Oct 28 - Oct 29, 2024	0.053	0.032	752	32
24110370-11	Oct 29 - Oct 30, 2024	0.045	0.024	752	31
24110370-12	Oct 30 - Oct 31, 2024	0.059	0.035	752	30
24110370-13	Oct 31 - Nov 01, 2024	0.071	0.038	752	31
24110370-14	Nov 01 - Nov 02, 2024	0.061	0.031	752	31
Guideline		0.33	0.12	-	-

Reference Method

Total Suspended Particulate : US EPA 40 CFR Part 50 Appendix B
Particulate Matter (PM-10) : US EPA 40 CFR Part 50 Appendix J

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

Sampled By : Santi Chaichana

Remark :

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

Approved by

Thanita K.

Thanita Kulsriwong
Scientist (4)

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towe, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110366
Date Received : Nov 07, 2024
Date Reported : Nov 13, 2024
Report Number: 3164179-1

Page 1 of 1

Sample Description	Air Quality						
Location	สถานีที่ A2 : วัดอัมพวัน						
Parameter	Sulfur Dioxide (ppm)						
Measurement Date	Oct 26, 2024 - Nov 02, 2024						
Measurement by	Santi Chaichana						
	24110366-8 Oct 26, 2024	24110366-9 Oct 27, 2024	24110366-10 Oct 28, 2024	24110366-11 Oct 29, 2024	24110366-12 Oct 30, 2024	24110366-13 Oct 31, 2024	24110366-14 Nov 01, 2024
02:00 PM - 03:00 PM	0.0042	0.0044	0.0045	0.0046	0.0047	0.0047	0.0047
03:00 PM - 04:00 PM	0.0042	0.0043	0.0045	0.0048	0.0047	0.0047	0.0047
04:00 PM - 05:00 PM	0.0042	0.0044	0.0045	0.0047	0.0047	0.0047	0.0047
05:00 PM - 06:00 PM	0.0042	0.0044	0.0045	0.0046	0.0047	0.0047	0.0046
06:00 PM - 07:00 PM	0.0042	0.0044	0.0046	0.0047	0.0047	0.0047	0.0047
07:00 PM - 08:00 PM	0.0043	0.0044	0.0046	0.0047	0.0047	0.0047	0.0047
08:00 PM - 09:00 PM	0.0042	0.0044	0.0046	0.0046	0.0047	0.0047	0.0047
09:00 PM - 10:00 PM	0.0042	0.0044	0.0046	0.0047	0.0047	0.0047	0.0047
10:00 PM - 11:00 PM	0.0042	0.0044	0.0046	0.0047	0.0047	0.0047	0.0048
11:00 PM - 12:00 AM	0.0043	0.0044	0.0046	0.0047	0.0047	0.0047	0.0047
12:00 AM - 01:00 AM	0.0043	0.0044	0.0045	0.0047	0.0047	0.0047	0.0047
01:00 AM - 02:00 AM	0.0043	0.0044	0.0046	0.0046	0.0047	0.0047	0.0047
02:00 AM - 03:00 AM	0.0043	0.0044	0.0046	0.0047	0.0046	0.0047	0.0047
03:00 AM - 04:00 AM	0.0043	0.0044	0.0046	0.0046	0.0046	0.0047	0.0047
04:00 AM - 05:00 AM	0.0044	0.0044	0.0046	0.0047	0.0046	0.0047	0.0047
05:00 AM - 06:00 AM	0.0043	0.0045	0.0046	0.0046	0.0046	0.0047	0.0048
06:00 AM - 07:00 AM	0.0044	0.0045	0.0047	0.0047	0.0046	0.0047	0.0048
07:00 AM - 08:00 AM	0.0044	0.0046	0.0047	0.0048	0.0047	0.0046	0.0047
08:00 AM - 09:00 AM	0.0044	0.0044	0.0047	0.0047	0.0047	0.0047	0.0047
09:00 AM - 10:00 AM	0.0044	0.0045	0.0047	0.0046	0.0048	0.0047	0.0035
10:00 AM - 11:00 AM	0.0044	0.0044	0.0046	0.0047	0.0046	0.0047	0.0052
11:00 AM - 12:00 PM	0.0045	0.0045	0.0047	0.0047	0.0036	0.0047	0.0051
12:00 PM - 01:00 PM	0.0044	0.0045	0.0047	0.0047	0.0046	0.0047	0.0051
01:00 PM - 02:00 PM	0.0043	0.0045	0.0046	0.0047	0.0046	0.0047	0.0050
Average	0.0043	0.0044	0.0046	0.0047	0.0046	0.0047	0.0047
1hr - Maximum	0.0045	0.0046	0.0047	0.0048	0.0048	0.0047	0.0052
Standard 1hr - Average	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Standard 24 hrs - Average	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Standard	: Notification of the National Environment Board No.10, 1995 (B.E.2538), No. 21, 2001 (B.E.2544) and No.24, 2004 (B.E.2547).						
Reference Method	: US EPA Method Part 53 and 58						

Approved by

Orawan R.

Orawan Rakying
Scientist (3)

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towe, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110359
Date Received : Nov 07, 2024
Date Reported : Nov 13, 2024
Report Number: 3164170-1

Page 1 of 1

Sample Description	Air Quality						
Location	สถานีที่ A2 : วัดอัมพวัน						
Parameter	Nitrogen dioxide (ppm)						
Measurement Date	Oct 26, 2024 - Nov 02, 2024						
Measurement by	Santi Chaichana						
	24110359-8 Oct 26, 2024	24110359-9 Oct 27, 2024	24110359-10 Oct 28, 2024	24110359-11 Oct 29, 2024	24110359-12 Oct 30, 2024	24110359-13 Oct 31, 2024	24110359-14 Nov 01, 2024
02:00 PM - 03:00 PM	0.0022	0.0008	0.0014	0.0062	0.0019	0.0009	0.0009
03:00 PM - 04:00 PM	0.0017	0.0009	0.0024	0.0061	0.0021	0.0009	0.0011
04:00 PM - 05:00 PM	0.0009	0.0009	0.0016	0.0025	0.0009	0.0009	0.0013
05:00 PM - 06:00 PM	0.0008	0.0011	0.0025	0.0020	0.0009	0.0013	0.0013
06:00 PM - 07:00 PM	0.0009	0.0009	0.0037	0.0017	0.0011	0.0013	0.0003
07:00 PM - 08:00 PM	0.0014	0.0013	0.0024	0.0022	0.0015	0.0014	0.0011
08:00 PM - 09:00 PM	0.0029	0.0024	0.0018	0.0031	0.0039	0.0011	<0.0001
09:00 PM - 10:00 PM	0.0013	0.0013	0.0039	0.0074	0.0024	0.0021	0.0009
10:00 PM - 11:00 PM	0.0029	0.0030	0.0034	0.0029	0.0106	0.0018	0.0005
11:00 PM - 12:00 AM	0.0031	0.0044	0.0021	0.0021	0.0066	0.0040	0.0021
12:00 AM - 01:00 AM	0.0053	0.0053	0.0052	0.0019	0.0013	0.0023	0.0003
01:00 AM - 02:00 AM	0.0011	0.0036	0.0064	0.0027	0.0009	0.0019	0.0006
02:00 AM - 03:00 AM	0.0009	0.0053	0.0071	0.0053	0.0008	0.0035	0.0004
03:00 AM - 04:00 AM	0.0010	0.0062	0.0069	0.0072	0.0011	0.0044	0.0009
04:00 AM - 05:00 AM	0.0015	0.0060	0.0086	0.0045	0.0010	0.0072	0.0007
05:00 AM - 06:00 AM	0.0022	0.0041	0.0100	0.0083	0.0011	0.0069	0.0008
06:00 AM - 07:00 AM	0.0108	0.0057	0.0110	0.0122	0.0041	0.0054	0.0007
07:00 AM - 08:00 AM	0.0089	0.0064	0.0129	0.0114	0.0049	0.0054	0.0025
08:00 AM - 09:00 AM	0.0039	0.0032	0.0034	0.0072	0.0058	0.0033	0.0023
09:00 AM - 10:00 AM	0.0019	0.0010	0.0019	0.0047	0.0032	0.0015	0.0043
10:00 AM - 11:00 AM	0.0030	0.0011	0.0024	0.0018	0.0016	0.0012	0.0011
11:00 AM - 12:00 PM	0.0013	0.0150	0.0012	0.0010	0.0011	0.0013	0.0013
12:00 PM - 01:00 PM	0.0009	0.0009	0.0011	0.0013	0.0008	0.0008	0.0024
01:00 PM - 02:00 PM	0.0008	0.0013	0.0032	0.0008	0.0011	0.0013	0.0020
Average	0.0026	0.0034	0.0044	0.0044	0.0025	0.0026	0.0012
1hr - Maximum	0.0108	0.0150	0.0129	0.0122	0.0106	0.0072	0.0043
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	: US EPA Method Part 50 App. F (Chemiluminescence)						

Approved by

Orawan R.

Orawan Rakying
Scientist (3)

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S:\Reports_Air SOxNOx.rpt (10:34AM)



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towee, New Petchburi Road, Bangkok, Huaykwang,
Bangkok Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :



TESTING
No.0042
Lot ID: 24110370
Date Received : Nov 06, 2024
Date Reported : Nov 12, 2024
Report Number: 3119939-3

Page 1 of 1

Sample Description Air Quality
Location สถานี A3 : วัดป่าสามัคคีธรรมบวราราม
Date Analysis Commenced Nov 07, 2024
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	Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
24110370-15	Oct 26 - Oct 27, 2024	0.017	0.014	752	33
24110370-16	Oct 27 - Oct 28, 2024	0.023	0.015	752	33
24110370-17	Oct 28 - Oct 29, 2024	0.022	0.015	752	32
24110370-18	Oct 29 - Oct 30, 2024	0.026	0.015	752	31
24110370-19	Oct 30 - Oct 31, 2024	0.026	0.019	752	30
24110370-20	Oct 31 - Nov 01, 2024	0.040	0.030	752	31
24110370-21	Nov 01 - Nov 02, 2024	0.034	0.028	752	31
Guideline		0.33	0.12	-	-

Reference Method

Total Suspended Particulate : US EPA 40 CFR Part 50 Appendix B
Particulate Matter (PM-10) : US EPA 40 CFR Part 50 Appendix J

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

Sampled By : Santi Chalchana

Remark :

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

Approved by

Thanitak.

Thanitak Kulsuriwong
Scientist (4)

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S:\Reports_Air Ambient\7Days.rpt (1:55PM)



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towee, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110366

Date Received : Nov 07, 2024
Date Reported : Nov 13, 2024
Report Number: 3164191-1

Page 1 of 1

Sample Description Air Quality
Location สถานี A3 : วัดป่าสามัคคีธรรมบวราราม
Parameter Sulfur Dioxide (ppm)
Measurement Date Oct 26, 2024 - Nov 02, 2024
Measurement by Santi Chalchana

Time	24110366-15 Oct 26, 2024	24110366-16 Oct 27, 2024	24110366-17 Oct 29, 2024	24110366-19 Oct 28, 2024	24110366-18 Oct 30, 2024	24110366-20 Oct 31, 2024	24110366-21 Nov 01, 2024
10:00 AM - 11:00 AM	0.0029	0.0027	0.0029	0.0029	0.0029	0.0029	0.0030
11:00 AM - 12:00 PM	0.0029	0.0027	0.0029	0.0027	0.0027	0.0029	0.0028
12:00 PM - 01:00 PM	0.0029	0.0029	0.0027	0.0028	0.0027	0.0029	0.0030
01:00 PM - 02:00 PM	0.0029	0.0029	0.0029	0.0029	0.0027	0.0027	0.0030
02:00 PM - 03:00 PM	0.0029	0.0028	0.0027	0.0029	0.0027	0.0029	0.0028
03:00 PM - 04:00 PM	0.0029	0.0029	0.0027	0.0029	0.0027	0.0028	0.0028
04:00 PM - 05:00 PM	0.0027	0.0027	0.0027	0.0027	0.0027	0.0028	0.0030
05:00 PM - 06:00 PM	0.0027	0.0027	0.0026	0.0027	0.0029	0.0028	0.0030
06:00 PM - 07:00 PM	0.0027	0.0027	0.0027	0.0029	0.0029	0.0028	0.0030
07:00 PM - 09:00 PM	0.0039	0.0027	0.0027	0.0029	0.0029	0.0029	0.0030
09:00 PM - 08:00 PM	0.0028	0.0027	0.0027	0.0029	0.0029	0.0029	0.0030
08:00 PM - 10:00 PM	0.0031	0.0027	0.0026	0.0027	0.0029	0.0029	0.0030
10:00 PM - 11:00 PM	0.0028	0.0027	0.0026	0.0027	0.0029	0.0029	0.0030
11:00 PM - 12:00 AM	0.0034	0.0027	0.0027	0.0027	0.0027	0.0028	0.0030
12:00 AM - 01:00 AM	0.0002	0.0027	0.0028	0.0027	0.0027	0.0028	0.0031
01:00 AM - 02:00 AM	0.0027	0.0027	0.0028	0.0027	0.0029	0.0028	0.0030
02:00 AM - 03:00 AM	0.0027	0.0027	0.0029	0.0027	0.0029	0.0028	0.0031
03:00 AM - 04:00 AM	0.0027	0.0027	0.0027	0.0029	0.0029	0.0028	0.0031
04:00 AM - 05:00 AM	0.0027	0.0029	0.0029	0.0029	0.0029	0.0028	0.0031
05:00 AM - 06:00 AM	0.0028	0.0026	0.0029	0.0029	0.0029	0.0030	0.0030
06:00 AM - 07:00 AM	0.0027	0.0027	0.0029	0.0029	0.0029	0.0030	0.0022
07:00 AM - 09:00 AM	0.0034	0.0029	0.0029	0.0029	0.0027	0.0030	0.0034
09:00 AM - 08:00 AM	0.0027	0.0029	0.0024	0.0029	0.0029	0.0030	0.0034
08:00 AM - 10:00 AM	0.0027	0.0027	0.0027	0.0027	0.0029	0.0030	0.0019
Average	0.0029	0.0027	0.0027	0.0029	0.0029	0.0028	0.0030
1hr - Maximum	0.0039	0.0028	0.0028	0.0028	0.0029	0.0030	0.0034
Standard 1hr - Average	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Standard 24 hrs - Average	0.12	0.12	0.12	0.12	0.12	0.12	0.12

Standard : Notification of the National Environment Board No.10, 1885 (B.E.2539), No. 21, 2001 (B.E.2544) and No.24, 2004 (B.E.2547).

Reference Method : US EPA Method Part 53 and 59

Approved by

Orawan R.

Orawan Rakhyong
Scientist (3)

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S:\Reports_Air SOxNOx.rpt (10:45AM)



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towre, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110359
Date Received : Nov 07, 2024
Date Reported : Nov 13, 2024
Report Number: 3164172-1

Page 1 of 1

Sample Description	Air Quality						
Location	สถานี A3 : วัดป่าสามัคคีธรรมาราส						
Parameter	Nitrogen dioxide Sppmx						
Measurement Date	(ct 26, 2024 - Nov 02, 2024						
Measurement by	) anti Chaichana						
Time	24110350-15 (ct 26, 2024	24110350-16 (ct 27, 2024	24110350-17 (ct 28, 2024	24110350-18 (ct 29, 2024	24110350-19 (ct 30, 2024	24110350-20 (ct 31, 2024	24110350-21 Nov 01, 2024
10:00 AM - 11:00 AM	0.0027	0.0027	0.0048	0.0036	0.0046	0.0031	0.0034
11:00 AM - 12:00 PM	0.0027	0.0035	0.0044	0.0018	0.0023	0.0018	0.0024
12:00 PM - 01:00 PM	0.0051	0.0024	0.0022	0.0024	0.0028	0.0016	0.0022
01:00 PM - 02:00 PM	0.0028	0.0016	0.0020	0.0017	0.0013	0.0016	0.0020
02:00 PM - 03:00 PM	0.0023	0.0027	0.0136	0.0011	0.0031	0.0017	0.0018
03:00 PM - 04:00 PM	0.0021	0.0016	0.0016	0.0013	0.0013	0.0017	0.0020
04:00 PM - 05:00 PM	0.0010	0.0018	0.0013	0.0013	0.0015	0.0018	0.0025
05:00 PM - 06:00 PM	0.0016	0.0010	0.0014	0.0015	0.0018	0.0016	0.0027
06:00 PM - 07:00 PM	0.0016	0.0020	0.0018	0.0012	0.0010	0.0017	0.0022
07:00 PM - 08:00 PM	0.0010	0.0020	0.0015	0.0014	0.0023	0.0010	0.0041
08:00 PM - 09:00 PM	0.0017	0.0022	0.0010	0.0013	0.0022	0.0018	0.0033
09:00 PM - 10:00 PM	0.0015	0.0031	0.0016	0.0013	0.0021	0.0016	0.0034
10:00 PM - 11:00 PM	0.0016	0.0027	0.0017	0.0012	0.0016	0.0010	0.0031
11:00 PM - 12:00 AM	0.0016	0.0023	0.0022	0.0013	0.0016	0.0017	0.0041
12:00 AM - 01:00 AM	0.0015	0.0020	0.0020	0.0012	0.0016	0.0017	0.0023
01:00 AM - 02:00 AM	0.0014	0.0022	0.0018	0.0013	0.0023	0.0018	0.0022
02:00 AM - 03:00 AM	0.0014	0.0018	0.0016	0.0011	0.0018	0.0018	0.0010
03:00 AM - 04:00 AM	0.0013	0.0018	0.0013	0.0017	0.0015	0.0018	0.0018
04:00 AM - 05:00 AM	0.0016	0.0010	0.0014	0.0018	0.0016	0.0020	0.0020
05:00 AM - 06:00 AM	0.0018	0.0024	0.0017	0.0021	0.0016	0.0020	0.0020
06:00 AM - 07:00 AM	0.0022	0.0022	0.0020	0.0022	0.0023	0.0024	0.0026
07:00 AM - 08:00 AM	0.0034	0.0025	0.0030	0.0021	0.0018	0.0031	0.0026
08:00 AM - 09:00 AM	0.0021	0.0046	0.0147	0.0015	0.0044	0.0051	0.0028
09:00 AM - 10:00 AM	0.0021	0.0041	0.0057	0.0052	0.0076	0.0051	0.0025
Average	0.0021	0.0024	0.0033	0.0018	0.0024	0.0022	0.0026
1hr - Maximum	0.0051	0.0046	0.0147	0.0052	0.0076	0.0051	0.0041
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, 2000 B.E. 2552x						
Reference Method	U) EPA Method Part 50 App. F. Schemiluminescence						

Approved by

Orawan R.
(rawan Rakyong)
Scientist SX

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towre, New Petchburi Road, Bangkok, Huaykwang, Bangkok Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :



TESTING
No. 0042

Lot ID: 24110370
Date Received : Nov 06, 2024
Date Reported : Nov 12, 2024
Report Number: 3119939-4

Page 1 of 1

Sample Description	Air Quality				
Location	สถานี A4 : วัดเวฬุวนาราม				
Date Analysis Commenced	Nov 07, 2024				
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	Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
24110370-22	Oct 26 - Oct 27, 2024	0.027	0.014	752	33
24110370-23	Oct 27 - Oct 28, 2024	0.024	0.012	752	33
24110370-24	Oct 28 - Oct 29, 2024	0.029	0.015	752	32
24110370-25	Oct 29 - Oct 30, 2024	0.033	0.013	752	31
24110370-26	Oct 30 - Oct 31, 2024	0.060	0.031	752	30
24110370-27	Oct 31 - Nov 01, 2024	0.054	0.020	752	31
24110370-28	Nov 01 - Nov 02, 2024	0.059	0.023	752	31
Guideline		0.33	0.12	-	-

Reference Method

Total Suspended Particulate : US EPA 40 CFR Part 50 Appendix B

Particulate Matter (PM-10) : US EPA 40 CFR Part 50 Appendix J

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

Sampled By : Santi Chaichana

Remark :

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

Approved by

Thanita K.
Thanita Kulsurwong
Scientist (4)

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towee, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110366
Date Received : Nov 07, 2024
Date Reported : Nov 13, 2024
Report Number: 3164194-1

Page 1 of 1

Sample Description	Air Quality						
Location	สถานี A4 : วัดพุทธนิมิต						
Parameter	Sulfur Dioxide (ppm)						
Measurement Date	Oct 26, 2024 - Nov 02, 2024						
Measurement by	Santi Chachana						
Time	24110366-22 Oct 26, 2024	24110366-23 Oct 27, 2024	24110366-24 Oct 29, 2024	24110366-25 Oct 28, 2024	24110366-26 Oct 30, 2024	24110366-27 Oct 31, 2024	24110366-29 Nov 01, 2024
11:00 AM - 12:00 PM	0.0064	0.0051	0.0056	0.0059	0.0090	0.0057	0.0057
12:00 PM - 01:00 PM	0.0066	0.0051	0.0055	0.0057	0.0056	0.0057	0.0055
01:00 PM - 02:00 PM	0.0055	0.0050	0.0053	0.0053	0.0053	0.0057	0.0056
02:00 PM - 03:00 PM	0.0050	0.0050	0.0052	0.0051	0.0051	0.0067	0.0056
03:00 PM - 04:00 PM	0.0050	0.0050	0.0051	0.0057	0.0051	0.0074	0.0055
04:00 PM - 05:00 PM	0.0050	0.0050	0.0051	0.0052	0.0051	0.0058	0.0055
05:00 PM - 06:00 PM	0.0050	0.0050	0.0051	0.0052	0.0052	0.0058	0.0057
06:00 PM - 07:00 PM	0.0050	0.0050	0.0051	0.0052	0.0052	0.0062	0.0056
07:00 PM - 08:00 PM	0.0050	0.0051	0.0050	0.0052	0.0052	0.0059	0.0056
08:00 PM - 09:00 PM	0.0050	0.0050	0.0051	0.0053	0.0055	0.0057	0.0055
09:00 PM - 10:00 PM	0.0050	0.0050	0.0051	0.0053	0.0054	0.0057	0.0054
10:00 PM - 11:00 PM	0.0051	0.0050	0.0051	0.0052	0.0053	0.0060	0.0054
11:00 PM - 12:00 AM	0.0050	0.0050	0.0051	0.0052	0.0051	0.0061	0.0054
12:00 AM - 01:00 AM	0.0050	0.0050	0.0051	0.0053	0.0052	0.0060	0.0054
01:00 AM - 02:00 AM	0.0050	0.0051	0.0052	0.0052	0.0052	0.0058	0.0054
02:00 AM - 03:00 AM	0.0051	0.0051	0.0053	0.0053	0.0053	0.0057	0.0054
03:00 AM - 04:00 AM	0.0050	0.0052	0.0056	0.0053	0.0053	0.0056	0.0053
04:00 AM - 05:00 AM	0.0048	0.0052	0.0058	0.0053	0.0052	0.0059	0.0059
05:00 AM - 06:00 AM	0.0051	0.0050	0.0058	0.0053	0.0062	0.0064	0.0063
06:00 AM - 07:00 AM	0.0050	0.0051	0.0056	0.0053	0.0024	0.0065	0.0065
07:00 AM - 08:00 AM	0.0051	0.0053	0.0065	0.0053	0.0062	0.0099	0.0064
08:00 AM - 09:00 AM	0.0051	0.0056	0.0065	0.0056	0.0059	0.0092	0.0067
09:00 AM - 10:00 AM	0.0051	0.0055	0.0058	0.0061	0.0057	0.0069	0.0067
10:00 AM - 11:00 AM	0.0051	0.0060	0.0054	0.0096	0.0057	0.0062	0.0059
Average	0.0052	0.0051	0.0054	0.0055	0.0054	0.0063	0.0057
1hr - Maximum	0.0066	0.0060	0.0065	0.0096	0.0090	0.0099	0.0067
Standard 1hr - Average	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Standard 24 hrs - Average	0.12	0.12	0.12	0.12	0.12	0.12	0.12

Standard : Notification of the National Environment Board No.10, 1885 (B.E.2539), No. 21, 2001 (B.E.2544) and No.24, 2004 (B.E.2547).
Reference Method : US EPA Method Part 53 and 59

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Approved by

Orawan R.

Orawan Rakying
Scientist (3)

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S:\Reports\Air SOxNOx.rpt (10:46AM)



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towee, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110359
Date Received : Nov 07, 2024
Date Reported : Nov 13, 2024
Report Number: 3164174-1

Page 1 of 1

Sample Description	Air Quality						
Location	สถานี A4 : วัดพุทธนิมิต						
Parameter	Nitrogen dioxide ppmx						
Measurement Date	(ct 26, 2024 - Nov 02, 2024						
Measurement by	)anti Chalchana						
Time	24110350-22 (ct 26, 2024	24110350-23 (ct 27, 2024	24110350-24 (ct 28, 2024	24110350-25 (ct 29, 2024	24110350-26 (ct 30, 2024	24110350-27 (ct 31, 2024	24110350-28 Nov 01, 2024
11:00 AM - 12:00 PM	0.0006	0.0008	0.0006	0.0013	0.0007	0.0011	0.0010
12:00 PM - 01:00 PM	0.0000	0.0007	0.0006	0.0018	0.0007	0.0017	0.0010
01:00 PM - 02:00 PM	0.0011	0.0010	0.0040	0.0052	0.0007	0.0016	0.0012
02:00 PM - 03:00 PM	0.0008	0.0012	0.0008	0.0022	0.0006	0.0000	0.0011
03:00 PM - 04:00 PM	0.0026	0.0012	0.0000	0.0014	0.0007	0.0076	0.0018
04:00 PM - 05:00 PM	0.0008	0.0012	0.0008	0.0022	0.0006	0.0008	0.0030
05:00 PM - 06:00 PM	0.0008	0.0015	0.0041	0.0006	0.0007	0.0008	0.0015
06:00 PM - 07:00 PM	0.0036	0.0017	0.0007	0.0006	0.0006	0.0011	0.0013
07:00 PM - 08:00 PM	0.0030	0.0058	0.0007	0.0007	0.0007	0.0007	0.0018
08:00 PM - 09:00 PM	0.0012	0.0024	0.0008	0.0006	0.0008	0.0000	0.0024
09:00 PM - 10:00 PM	0.0013	0.0000	0.0012	0.0007	0.0012	0.0011	0.0000
10:00 PM - 11:00 PM	0.0008	0.0006	0.0014	0.0007	0.0008	0.0011	0.0011
11:00 PM - 12:00 AM	0.0018	0.0006	0.0006	0.0010	0.0008	0.0000	0.0013
12:00 AM - 01:00 AM	0.0013	0.0006	0.0008	0.0000	0.0006	0.0006	0.0016
01:00 AM - 02:00 AM	0.0005	0.0021	0.0038	0.0033	0.0011	0.0007	0.0050
02:00 AM - 03:00 AM	0.0006	0.0003	0.0000	0.0026	0.0010	0.0007	0.0074
03:00 AM - 04:00 AM	0.0008	0.0010	0.0014	0.0030	0.0015	0.0008	0.0033
04:00 AM - 05:00 AM	0.0000	0.0011	0.0014	0.0033	0.0008	0.0008	0.0012
05:00 AM - 06:00 AM	0.0015	0.0013	0.0010	0.0010	0.0013	0.0008	0.0014
06:00 AM - 07:00 AM	0.0023	0.0015	0.0015	0.0012	0.0000	0.0180	0.0008
07:00 AM - 08:00 AM	0.0010	0.0011	0.0000	0.0010	0.0006	0.0000	0.0008
08:00 AM - 09:00 AM	0.0013	0.0014	0.0010	0.0012	0.0011	0.0011	0.0000
09:00 AM - 10:00 AM	0.0007	0.0010	0.0008	0.0000	0.0008	0.0000	0.0010
10:00 AM - 11:00 AM	0.0006	0.0006	0.0013	0.0020	0.0000	0.0010	0.0013
Average	0.0013	0.0013	0.0014	0.0016	0.0000	0.0010	0.0010
1hr - Maximum	0.0036	0.0058	0.0041	0.0052	0.0010	0.0180	0.0074
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, 2000 (B.E. 2552)
Reference Method : U) EPAMethod Part 50 App. F Schemiluminescence

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Approved by

Orawan R.

Orawan Rakying
Scientist (3)

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S:\Reports\Air SOxNOx.rpt (10:34AM)



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towre, New Petchburi Road, Bangkapi, Huaykwang,
Bangkok Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :



TESTING
No.0042
Lot ID: 24110370
Date Received : Nov 06, 2024
Date Reported : Nov 12, 2024
Report Number: 3119939-5

Page 1 of 1

Sample Description	Air Quality				
Location	สถานีที่ A5 : ฟ้าร่มใต้ห้อง 7บ.2 ต.ละหานใต้				
Date Analysis Commenced	Nov 08, 2024				
Condition of Sample	Drawn into one glass filter paper 7x) 10 inch(placed in plastic bag and one quartz filter paper 7x) 10 inch(placed in plastic bag				
Sample Number	Sampled Date	Total Suspended Particulate 7mg/m3(	Particulate Matter 7PM-10(7mg/m3(	Barometric Pressure 7mm Hg(	Atmospheric Temperature 7°C(
24110380-29	Oct 26 - Oct 28, 2024	0.025	0.013	852	33
24110380-30	Oct 28 - Oct 2x, 2024	0.021	0.014	852	33
24110380-31	Oct 2x - Oct 29, 2024	0.035	0.016	852	32
24110380-32	Oct 29 - Oct 30, 2024	0.028	0.026	852	31
24110380-33	Oct 30 - Oct 31, 2024	0.040	0.024	852	30
24110380-34	Oct 31 - Nov 01, 2024	0.043	0.026	852	31
24110380-35	Nov 01 - Nov 02, 2024	0.039	0.026	852	31
Guideline		0.33	0.12	-	-

Reference Method

Total Suspended Particulate : US EPA 40 CFR Part 50 Appendix B
Particulate Matter 7PM-10(: US EPA 40 CFR Part 50 Appendix J

Guideline : Notification of the National Environmental Board. No.24, 2004 7B.E.2548(dated September 22, 2004

Sampled By : Santi Chaichana

Remark :

- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 18025.

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist 74(

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15069-21 / EMAIL

S:\Reports_L\Air Ambient\7Days rpt (1.55PM)



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towre, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110366

Date Received : Nov 07, 2024
Date Reported : Nov 13, 2024
Report Number: 3164196-1

Page 1 of 1

Sample Description	Air Quality						
Location	สถานีที่ A5 : ฟ้าร่มใต้ห้อง 7บ.2 ต.ละหานใต้						
Parameter	(ulfur Dio)Ide Sppmx						
Measurement Date	Oct 26, 2024 - Nov 02, 2024						
Measurement by	(anti Chaichana						
Time	24110366-28 Oct 26, 2024	24110366-30 Oct 27, 2024	24110366-31 Oct 29, 2024	24110366-32 Oct 28, 2024	24110366-33 Oct 30, 2024	24110366-34 Oct 31, 2024	24110366-35 Nov 01, 2024
01:00 PM - 02:00 PM	0.0042	0.0086	0.0047	0.0046	0.0047	0.0046	0.0051
02:00 PM - 03:00 PM	0.0042	0.0009	0.0046	0.0045	0.0047	0.0047	0.0041
03:00 PM - 04:00 PM	0.0039	0.0048	0.0045	0.0047	0.0049	0.0049	0.0041
04:00 PM - 05:00 PM	0.0062	0.0046	0.0045	0.0047	0.0047	0.0050	0.0041
05:00 PM - 06:00 PM	0.0062	0.0046	0.0045	0.0046	0.0047	0.0048	0.0041
06:00 PM - 07:00 PM	0.0066	0.0046	0.0046	0.0046	0.0047	0.0049	0.0041
07:00 PM - 09:00 PM	0.0065	0.0044	0.0046	0.0047	0.0049	0.0046	0.0041
09:00 PM - 08:00 PM	0.0061	0.0045	0.0047	0.0046	0.0051	0.0047	0.0041
08:00 PM - 10:00 PM	0.0057	0.0045	0.0047	0.0047	0.0049	0.0045	0.0041
10:00 PM - 11:00 PM	0.0056	0.0046	0.0046	0.0047	0.0046	0.0045	0.0042
11:00 PM - 12:00 AM	0.0055	0.0045	0.0045	0.0046	0.0045	0.0046	0.0042
12:00 AM - 01:00 AM	0.0052	0.0046	0.0046	0.0047	0.0045	0.0046	0.0041
01:00 AM - 02:00 AM	0.0051	0.0045	0.0046	0.0046	0.0045	0.0045	0.0041
02:00 AM - 03:00 AM	0.0050	0.0046	0.0046	0.0046	0.0045	0.0046	0.0041
03:00 AM - 04:00 AM	0.0050	0.0046	0.0046	0.0046	0.0045	0.0045	0.0042
04:00 AM - 05:00 AM	0.0050	0.0046	0.0046	0.0046	0.0045	0.0046	0.0042
05:00 AM - 06:00 AM	0.0048	0.0046	0.0046	0.0046	0.0044	0.0046	0.0041
06:00 AM - 07:00 AM	0.0048	0.0046	0.0046	0.0046	0.0045	0.0046	0.0041
07:00 AM - 09:00 AM	0.0050	0.0046	0.0047	0.0046	0.0045	0.0045	0.0041
09:00 AM - 08:00 AM	0.0055	0.0047	0.0047	0.0046	0.0045	0.0045	0.0041
08:00 AM - 10:00 AM	0.0057	0.0047	0.0046	0.0046	0.0046	0.0045	0.0041
10:00 AM - 11:00 AM	0.0065	0.0046	0.0046	0.0045	0.0044	0.0045	0.0041
11:00 AM - 12:00 PM	0.0074	0.0046	0.0045	0.0046	0.0044	0.0047	0.0042
12:00 PM - 01:00 PM	0.0099	0.0046	0.0045	0.0045	0.0045	0.0050	0.0041
Average	0.0056	0.0046	0.0046	0.0046	0.0046	0.0046	0.0042
1hr - Maximum	0.0099	0.0086	0.0047	0.0047	0.0051	0.0050	0.0051
(tandard 1hr - Average	0.3	0.3	0.3	0.3	0.3	0.3	0.3
(tandard 24 hrs - Average	0.12	0.12	0.12	0.12	0.12	0.12	0.12
(tandard	Notification of the National Environment Board No.10, 1885 SB.E.2539x, No. 21, 2001 SB.E.2544x and No.24, 2004 SB.E.2547x.						
Reference Method	U(EPA Method Part 53 and 59						

Approved by

Orawan R.

Orawan Rakyong
(cientist 3x

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S:\Reports_L\Air SOxNOx.rpt (10:46AM)



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110359
Date Received : Nov 07, 2024
Date Reported : Nov 13, 2024
Report Number: 3164176-1

Page 1 of 1

Sample Description	Air Quality						
Location	สถานี A5 : ฟาร์มไก่ฟัก จ.ฉะเชิงเทรา						
Parameter	Nitrogen dioxide ppm						
Measurement Date	Oct 26, 2024 - Nov 02, 2024						
Measurement by	Santi Chaichana						
Time	24110359-29 Oct 26, 2024	24110359-30 Oct 27, 2024	24110359-31 Oct 28, 2024	24110359-32 Oct 29, 2024	24110359-33 Oct 30, 2024	24110359-34 Oct 31, 2024	24110359-35 Nov 01, 2024
01:00 PM - 02:00 PM	<0.0001	<0.0001	0.0005	0.0005	0.0003	0.0005	0.0005
02:00 PM - 03:00 PM	0.0005	0.0003	0.0004	0.0005	0.0004	0.0005	0.0005
03:00 PM - 04:00 PM	0.0008	0.0004	0.0008	0.0006	0.0004	0.0006	0.0005
04:00 PM - 05:00 PM	0.0008	0.0012	0.0007	0.0003	0.0004	0.0006	0.0005
05:00 PM - 06:00 PM	0.0032	0.0018	0.0009	0.0005	0.0004	0.0004	0.0006
06:00 PM - 07:00 PM	0.0023	0.0005	0.0012	0.0005	0.0005	0.0007	0.0018
07:00 PM - 08:00 PM	0.0011	0.0012	0.0038	0.0007	0.0007	0.0006	0.0006
08:00 PM - 09:00 PM	<0.0001	0.0015	0.0052	0.0006	0.0004	0.0006	0.0006
09:00 PM - 10:00 PM	0.0013	0.0013	0.0034	0.0007	0.0003	0.0007	0.0006
10:00 PM - 11:00 PM	0.0004	0.0011	0.0020	0.0007	0.0004	0.0005	0.0008
11:00 PM - 12:00 AM	0.0004	0.0007	0.0020	0.0006	0.0005	0.0005	0.0005
12:00 AM - 01:00 AM	0.0010	0.0007	0.0007	0.0009	0.0003	0.0006	0.0006
01:00 AM - 02:00 AM	<0.0001	0.0010	0.0014	0.0010	0.0003	0.0005	0.0004
02:00 AM - 03:00 AM	0.0007	0.0012	0.0011	0.0017	0.0003	0.0006	0.0006
03:00 AM - 04:00 AM	0.0008	0.0009	0.0008	0.0025	0.0003	0.0005	0.0006
04:00 AM - 05:00 AM	0.0007	0.0009	0.0007	0.0022	0.0002	0.0005	0.0007
05:00 AM - 06:00 AM	0.0012	0.0015	0.0008	0.0044	0.0003	0.0009	0.0009
06:00 AM - 07:00 AM	0.0037	0.0027	0.0058	0.0051	0.0003	0.0021	0.0016
07:00 AM - 08:00 AM	0.0063	0.0050	0.0046	0.0046	0.0003	0.0014	0.0016
08:00 AM - 09:00 AM	0.0026	0.0006	0.0026	0.0015	0.0004	0.0006	0.0006
09:00 AM - 10:00 AM	0.0017	0.0013	0.0011	0.0007	0.0005	0.0006	0.0005
10:00 AM - 11:00 AM	0.0010	0.0004	0.0009	0.0005	0.0005	0.0003	0.0006
11:00 AM - 12:00 PM	0.0009	0.0004	0.0004	0.0002	0.0004	0.0004	0.0112
12:00 PM - 01:00 PM	0.0016	0.0004	0.0005	0.0003	0.0005	0.0004	0.0023
Average	0.0014	0.0011	0.0018	0.0013	0.0004	0.0006	0.0012
1hr - Maximum	0.0063	0.0050	0.0058	0.0051	0.0007	0.0021	0.0112
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 : US EPA Method Part 50 App. F - Chemiluminescence

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S:\Reports\Air SOxNOx.rpt (10:34AM)



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towe, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110369
Date Received :Nov 06, 2024
Date Reported :Nov 12, 2024
Report Number :3119935-1

Page 1 of 2

Sample Number : 24110369-1 to 7
Parameter : Wind Speed / Wind Direction
Location : สถานี A1 : วัดดอนไร่ กรุงเทพมหานคร
Sampling Date : Oct 26 - Nov 02, 2024
Sampling by : Santi Chaichana

Time	Oct 26 - Oct 27, 2024		Oct 27 - Oct 28, 2024		Oct 28 - Oct 29, 2024		Oct 29 - Oct 30, 2024		Oct 30 - Oct 31, 2024		Oct 31 - Nov 01, 2024		Nov 01 - Nov 02, 2024	
	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	2.2	300.0	WNW	1.4	329.0	NNW	0.0	-	2.3	290.0	WNW	2.0	284.0	WNW
01:00 PM - 02:00 PM	3.2	310.0	NW	2.2	325.0	NNW	0.7	359.0	N	1.7	0.0	N	1.6	294.0
02:00 PM - 03:00 PM	1.6	297.0	WNW	1.2	299.0	WNW	1.8	324.0	NW	1.5	319.0	NW	1.6	339.0
03:00 PM - 04:00 PM	2.3	325.0	NW	1.0	315.0	NW	1.6	300.0	WNW	2.0	316.0	NW	1.5	302.0
04:00 PM - 05:00 PM	1.0	298.0	WNW	0.6	315.0	NW	1.1	224.0	SW	0.5	285.0	WNW	0.3	286.0
05:00 PM - 06:00 PM	0.6	300.0	WNW	0.8	320.0	NW	0.6	239.0	WSW	1.1	281.0	W	0.3	125.0
06:00 PM - 07:00 PM	1.2	269.0	W	1.2	316.0	NW	0.0	-	1.2	246.0	WSW	1.0	130.0	SE
07:00 PM - 08:00 PM	1.0	288.0	WNW	1.0	266.0	W	1.2	232.0	SW	0.0	-	1.2	138.0	SE
08:00 PM - 09:00 PM	0.6	244.0	WSW	1.1	315.0	NW	0.3	146.0	SE	0.3	187.0	S	0.3	154.0
09:00 PM - 10:00 PM	1.5	254.0	WSW	0.0	-	0.5	115.0	ESE	0.9	187.0	S	0.5	138.0	SE
10:00 PM - 11:00 PM	0.4	299.0	WNW	3.0	312.0	NW	0.1	-	0.1	-	0.4	201.0	SSW	0.1
11:00 PM - 12:00 AM	2.0	319.0	NW	0.2	-	0.6	134.0	SE	0.5	197.0	SSW	0.6	221.0	SW
12:00 AM - 01:00 AM	0.5	335.0	NNW	0.1	-	0.1	-	0.3	176.0	S	0.7	220.0	SW	0.1
01:00 AM - 02:00 AM	2.3	339.0	NNW	0.5	98.0	E	0.2	-	1.3	52.0	NE	0.4	201.0	SSW
02:00 AM - 03:00 AM	2.3	346.0	NNW	0.3	115.0	ESE	0.3	168.0	SSE	0.3	24.0	NNE	0.2	-
03:00 AM - 04:00 AM	1.9	7.0	N	0.4	151.0	SSE	0.1	-	0.5	266.0	W	0.1	-	0.1
04:00 AM - 05:00 AM	0.4	7.0	N	0.8	40.0	NE	0.8	119.0	ESE	0.1	-	0.4	201.0	SSW
05:00 AM - 06:00 AM	0.5	350.0	N	0.1	-	0.1	-	0.5	139.0	SE	0.0	-	0.4	133.0
06:00 AM - 07:00 AM	1.9	350.0	N	0.6	36.0	NE	0.6	148.0	SSE	0.3	128.0	SE	0.2	-
07:00 AM - 08:00 AM	1.8	16.0	NNE	0.6	127.0	SE	0.4	292.0	WNW	0.1	-	1.0	50.0	NE
08:00 AM - 09:00 AM	2.1	12.0	NNE	1.0	156.0	SSE	0.8	346.0	NNW	1.0	133.0	SE	1.2	335.0
09:00 AM - 10:00 AM	1.6	13.0	NNE	2.0	148.0	SSE	1.2	317.0	NW	1.2	256.0	WSW	1.2	49.0
10:00 AM - 11:00 AM	1.5	6.0	N	1.2	234.0	SW	1.5	324.0	NW	0.7	276.0	W	1.8	349.0
11:00 AM - 12:00 PM	2.9	297.0	WNW	0.1	-	2.9	341.0	NNW	1.0	315.0	NW	1.2	21.0	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. All 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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Sarayuth Jitranont
Assistant General Manager

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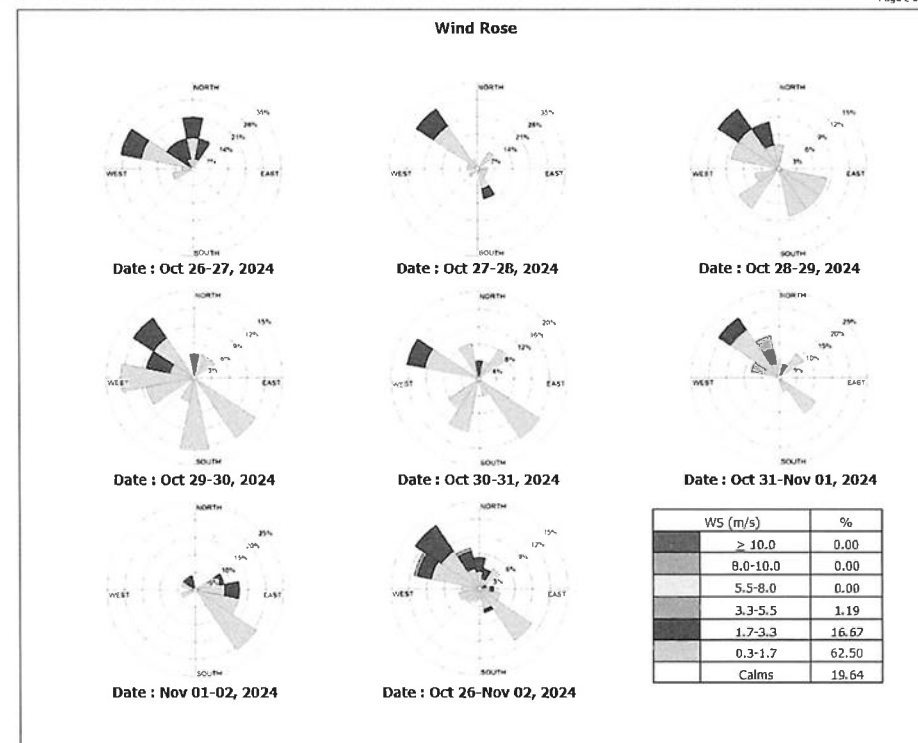


Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towe, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110369
Date Received :Nov 06, 2024
Date Reported :Nov 12, 2024
Report Number :3119935-1

Page 2 of 2



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Sarayuth Jitranont
Assistant General Manager

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ภาคผนวก ค-2

ผลการตรวจวัดระดับเสียงทั่วไป

ระดับเสียงเฉลี่ย 24 ชั่วโมง (Leq 24 hrs.)



Analysis / Test Report



TESTING
No.0042

Client : Rojana Industrial Park Public Co., Ltd.

2034/115 26TH Fl. Italthai Tow, New Petchburi Road, Bangkok, Huaykwang, Bangkok Thailand 10310

P/O : RJN-LCB-033/66

Project Name : Laemchabang

Project Location :

Lot ID: 24110372

Date Received : Nov 06, 2024

Date Reported : Nov 12, 2024

Report Number: 3162902-1

Page 1 of 1

Sample Number	24110372-1
Parameter	Noise (Leq 24 hrs.)
Location	N1 : ชุมชนบ้านตะเคียนเตี้ยจุดที่ 2
Measurement Date	Oct 26 - Oct 27, 2024
Measurement by	Santi Chaichana
Sound Level meter	Serial No. 233184

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 PM - 05:00 PM	48.3	72.2	43.8
05:00 PM - 06:00 PM	47.2	64.3	43.1
06:00 PM - 07:00 PM	48.2	62.6	45.3
07:00 PM - 08:00 PM	48.6	65.2	46.0
08:00 PM - 09:00 PM	48.6	68.9	46.0
09:00 PM - 10:00 PM	47.0	60.3	45.6
10:00 PM - 11:00 PM	44.8	64.7	41.8
11:00 PM - 12:00 AM	42.3	56.7	40.3
12:00 AM - 01:00 AM	42.1	58.5	39.3
01:00 AM - 02:00 AM	44.5	70.4	38.5
02:00 AM - 03:00 AM	42.9	60.3	39.1
03:00 AM - 04:00 AM	39.8	53.7	37.7
04:00 AM - 05:00 AM	39.7	52.1	38.3
05:00 AM - 06:00 AM	41.5	64.8	38.7
06:00 AM - 07:00 AM	42.9	61.0	39.1
07:00 AM - 08:00 AM	44.7	60.0	40.3
08:00 AM - 09:00 AM	45.1	58.7	40.4
09:00 AM - 10:00 AM	45.1	55.9	39.8
10:00 AM - 11:00 AM	47.2	63.8	40.8
11:00 AM - 12:00 PM	46.1	58.8	40.2
12:00 PM - 01:00 PM	43.5	55.9	38.0
01:00 PM - 02:00 PM	43.5	56.9	38.9
02:00 PM - 03:00 PM	43.2	53.3	39.2
03:00 PM - 04:00 PM	43.3	59.0	40.7

Leq Average 24 hrs. (dB(A))

45.3

Lmax (dB(A))

72.2

L90 (dB(A))

40.2

Ldn (dB(A))

49.8

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head

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S:\Reports_Air Noise rpt (9 08AM)



Analysis / Test Report



TESTING
No.0042

Client : Rojana Industrial Park Public Co., Ltd.

2034/115 26TH Fl. Italthai Tow, New Petchburi Road, Bangkok, Huaykwang, Bangkok Thailand 10310

P/O : RJN-LCB-033/66

Project Name : Laemchabang

Project Location :

Lot ID: 24110372

Date Received : Nov 06, 2024

Date Reported : Nov 12, 2024

Report Number: 3162903-1

Page 1 of 1

Sample Number	24110372-2
Parameter	Noise (Leq 24 hrs.)
Location	N1 : ชุมชนบ้านตะเคียนเตี้ยจุดที่ 2
Measurement Date	Oct 27 - Oct 25, 2024
Measurement by	Banti Chaichana
Sound Level meter	Serial No. 233154

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 PM - 05:00 PM	53.0	73.5	44.4
05:00 PM - 06:00 PM	54.5	50.5	43.2
06:00 PM - 07:00 PM	54.7	75.9	46.4
07:00 PM - 08:00 PM	54.5	77.3	47.5
08:00 PM - 09:00 PM	51.9	75.7	46.3
09:00 PM - 10:00 PM	52.3	75.5	45.4
10:00 PM - 11:00 PM	50.6	69.6	42.4
11:00 PM - 12:00 AM	53.0	74.3	43.5
12:00 AM - 01:00 AM	47.3	71.1	42.7
01:00 AM - 02:00 AM	42.9	55.3	41.6
02:00 AM - 03:00 AM	44.1	66.3	41.2
03:00 AM - 04:00 AM	42.0	53.2	41.0
04:00 AM - 05:00 AM	44.3	70.6	41.4
05:00 AM - 06:00 AM	46.6	71.7	42.1
06:00 AM - 07:00 AM	52.6	50.1	42.4
07:00 AM - 08:00 AM	57.9	50.7	44.0
08:00 AM - 09:00 AM	57.7	57.2	41.9
09:00 AM - 10:00 AM	52.2	75.6	41.1
10:00 AM - 11:00 AM	55.0	75.5	35.5
11:00 AM - 12:00 PM	59.0	57.5	37.5
12:00 PM - 01:00 PM	55.4	77.7	37.7
01:00 PM - 02:00 PM	55.1	75.5	35.1
02:00 PM - 03:00 PM	51.6	73.9	35.2
03:00 PM - 04:00 PM	50.5	74.4	35.1

Leq Average 24 hrs. (dB(A))

53.6

Lmax (dB(A))

57.5

L90 (dB(A))

41.9

Ldn (dB(A))

56.9

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak

Chonticha Bubongkoch
Scientist (3)

Approved by

Supot S

Bupot Balamteh
Section Head

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S:\Reports_Air Noise rpt (9 08AM)



Analysis / Test Report



TESTING
No.0042

Client : Rojana Industrial Park Public Co., Ltd.

2034/115 26TH Fl. Italthai Towe, New Petchburi Road, Bangkok, Huaykwang, Bangkok Thailand 10310

P/O : RJN-LCB-033/66

Project Name : Laemchabang

Project Location :

Lot ID: 24110372

Date Received : Nov 06, 2024

Date Reported : Nov 12, 2024

Report Number: 3162904-1

Page 1 of 1

Sample Number	24110372-3		
Parameter	Noise (Leq 24 hrs.)		
Location	N1 : ร่มชานบ้านตะวันตกเฉียงใต้ จุดที่ 2		
Measurement Date	Oct 25 - Oct 29, 2024		
Measurement by	Santi Chaichana		
Sound Level meter	Serial No. 233154		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 PM - 05:00 PM	54.6	51.0	39.4
05:00 PM - 06:00 PM	61.2	53.6	45.7
06:00 PM - 07:00 PM	53.5	75.3	43.0
07:00 PM - 08:00 PM	57.7	75.3	46.5
08:00 PM - 09:00 PM	55.2	53.7	50.0
09:00 PM - 10:00 PM	56.6	72.6	52.6
10:00 PM - 11:00 PM	57.0	72.9	54.3
11:00 PM - 12:00 AM	59.9	69.5	57.5
12:00 AM - 01:00 AM	54.5	74.3	51.1
01:00 AM - 02:00 AM	52.4	66.5	49.3
02:00 AM - 03:00 AM	45.9	61.2	43.0
03:00 AM - 04:00 AM	43.4	53.0	40.9
04:00 AM - 05:00 AM	44.3	69.0	39.5
05:00 AM - 06:00 AM	45.3	71.1	41.7
06:00 AM - 07:00 AM	51.9	74.5	43.5
07:00 AM - 08:00 AM	56.5	79.0	43.2
08:00 AM - 09:00 AM	51.0	73.7	35.5
09:00 AM - 10:00 AM	50.5	74.0	34.6
10:00 AM - 11:00 AM	52.5	77.4	35.6
11:00 AM - 12:00 PM	52.5	77.2	39.2
12:00 PM - 01:00 PM	56.5	54.3	35.3
01:00 PM - 02:00 PM	53.1	77.5	37.0
02:00 PM - 03:00 PM	56.1	50.3	44.5
03:00 PM - 04:00 PM	52.4	50.1	36.5
Leq Average 24 hrs. (dB(A))	55.3		
Lmax (dB(A))		54.3	
L90 (dB(A))			43.0
Ldn (dB(A))	60.7		
Standard (dB(A))	70	115	
Reference Method : ISO1996-1 and 1996-2			
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2545			
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.			

Technical Management

Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by

Supot S.
Supot Balamteh
Section Head

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Analysis / Test Report



TESTING
No.0042

Client : Rojana Industrial Park Public Co., Ltd.

2034/115 26TH Fl. Italthai Towe, New Petchburi Road, Bangkok, Huaykwang, Bangkok Thailand 10310

P/O : RJN-LCB-033/66

Project Name : Laemchabang

Project Location :

Lot ID: 24110372

Date Received : Nov 06, 2024

Date Reported : Nov 12, 2024

Report Number: 3162905-1

Page 1 of 1

Sample Number	24110372-4		
Parameter	Noise (Leq 24 hrs.)		
Location	N1 : ร่มชานบ้านตะวันตกเฉียงใต้ จุดที่ 2		
Measurement Date	Oct 29 - Oct 30, 2024		
Measurement by	Santi Chaichana		
Sound Level meter	Serial No. 233184		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 PM - 05:00 PM	55.9	82.8	39.1
05:00 PM - 06:00 PM	62.2	88.0	40.9
06:00 PM - 07:00 PM	59.4	83.8	43.7
07:00 PM - 08:00 PM	53.5	75.0	43.3
08:00 PM - 09:00 PM	56.0	75.6	45.3
09:00 PM - 10:00 PM	55.1	70.6	44.6
10:00 PM - 11:00 PM	56.6	78.2	50.3
11:00 PM - 12:00 AM	54.4	66.7	43.1
12:00 AM - 01:00 AM	48.8	65.5	41.0
01:00 AM - 02:00 AM	42.5	56.9	40.6
02:00 AM - 03:00 AM	43.9	64.2	40.7
03:00 AM - 04:00 AM	47.5	71.9	38.9
04:00 AM - 05:00 AM	44.3	72.6	41.2
05:00 AM - 06:00 AM	49.3	75.0	41.8
06:00 AM - 07:00 AM	51.9	78.3	42.5
07:00 AM - 08:00 AM	58.5	87.0	45.1
08:00 AM - 09:00 AM	53.9	80.4	41.7
09:00 AM - 10:00 AM	50.4	77.5	35.4
10:00 AM - 11:00 AM	49.6	73.6	37.4
11:00 AM - 12:00 PM	49.0	72.3	35.9
12:00 PM - 01:00 PM	50.7	74.7	32.4
01:00 PM - 02:00 PM	57.7	77.5	52.1
02:00 PM - 03:00 PM	57.5	77.2	50.9
03:00 PM - 04:00 PM	53.5	81.9	44.8
Leq Average 24 hrs. (dB(A))	55.1		
Lmax (dB(A))		88.0	
L90 (dB(A))			41.7
Ldn (dB(A))	58.8		
Standard (dB(A))	70	115	
Reference Method : ISO1996-1 and 1996-2			
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548			
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.			

Technical Management

Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by

Supot S.
Supot Balamteh
Section Head

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S:\Reports_Air Noise rpt (9:08AM)



Analysis / Test Report



TESTING
No.0042

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towee, New Petchburi Road, Bangkok, Huaykwang, Bangkok Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110372
Date Received : Nov 06, 2024
Date Reported : Nov 12, 2024
Report Number: 3162906-1

Page 1 of 1

Sample Number	24110372-5
Parameter	Noise (Leq 24 hrs.)
Location	N1 : ฐานขบวนรถเคเบิลเคเบิลเคเบิลที่ 2
Measurement Date	Oct 30 - Oct 31, 2024
Measurement by	Santi Chaichana
Sound Level meter	Serial No. 233184

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 PM - 05:00 PM	53.7	80.6	37.6
05:00 PM - 06:00 PM	58.2	85.2	40.0
06:00 PM - 07:00 PM	59.6	92.9	42.7
07:00 PM - 08:00 PM	50.6	72.6	43.4
08:00 PM - 09:00 PM	59.0	86.5	46.0
09:00 PM - 10:00 PM	57.4	75.2	42.9
10:00 PM - 11:00 PM	54.7	77.2	41.7
11:00 PM - 12:00 AM	52.6	62.9	40.5
12:00 AM - 01:00 AM	46.9	71.4	38.6
01:00 AM - 02:00 AM	43.8	74.4	39.7
02:00 AM - 03:00 AM	41.6	65.0	39.3
03:00 AM - 04:00 AM	49.9	70.7	47.7
04:00 AM - 05:00 AM	52.1	75.7	47.7
05:00 AM - 06:00 AM	43.3	67.9	40.4
06:00 AM - 07:00 AM	53.3	78.8	40.9
07:00 AM - 08:00 AM	54.7	80.1	41.1
08:00 AM - 09:00 AM	52.6	78.9	35.5
09:00 AM - 10:00 AM	58.8	90.1	35.6
10:00 AM - 11:00 AM	55.6	79.6	34.7
11:00 AM - 12:00 PM	55.0	80.6	35.0
12:00 PM - 01:00 PM	54.6	74.8	37.4
01:00 PM - 02:00 PM	50.8	77.3	36.7
02:00 PM - 03:00 PM	53.7	80.1	40.2
03:00 PM - 04:00 PM	47.9	73.5	38.3

Leq Average 24 hrs. (dB(A))	54.6		
Lmax (dB(A))		92.9	
L90 (dB(A))			40.0
Ldn (dB(A))	58.4		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (9:09AM)



Analysis / Test Report



TESTING
No.0042

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towee, New Petchburi Road, Bangkok, Huaykwang, Bangkok Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110372
Date Received : Nov 06, 2024
Date Reported : Nov 12, 2024
Report Number: 316290f-1

Page 1 of 1

Sample Number	241103f2-6
Parameter	Noise (Leq 24 hrs.)
Location	N1 : ฐานขบวนรถเคเบิลเคเบิลเคเบิลที่ 2
Measurement Date	Oct 31 - Nov 01, 2024
Measurement by	Santi Chaichana
Sound Level meter	Serial No. 233184

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 PM - 05:00 PM	55.6	89.8	39.1
05:00 PM - 06:00 PM	58.9	89.0	41.5
06:00 PM - 07:00 PM	53.6	82.0	41.8
07:00 PM - 08:00 PM	53.6	80.3	44.8
08:00 PM - 09:00 PM	61.4	88.3	44.1
09:00 PM - 10:00 PM	64.5	80.3	46.3
10:00 PM - 11:00 PM	63.2	88.3	42.5
11:00 PM - 12:00 AM	58.8	84.1	43.5
12:00 AM - 01:00 AM	54.8	89.6	42.2
01:00 AM - 02:00 AM	51.1	89.4	40.0
02:00 AM - 03:00 AM	40.8	66.3	31.0
03:00 AM - 04:00 AM	52.2	80.4	41.1
04:00 AM - 05:00 AM	40.3	60.0	38.0
05:00 AM - 06:00 AM	43.2	68.5	40.0
06:00 AM - 07:00 AM	49.1	72.9	42.3
07:00 AM - 08:00 AM	56.5	86.6	42.9
08:00 AM - 09:00 AM	56.8	86.2	31.5
09:00 AM - 10:00 AM	53.3	83.6	34.2
10:00 AM - 11:00 AM	52.2	84.1	34.2
11:00 AM - 12:00 PM	51.1	84.1	34.2
12:00 PM - 01:00 PM	51.5	84.1	34.9
01:00 PM - 02:00 PM	49.9	84.1	38.1
02:00 PM - 03:00 PM	50.1	84.1	31.3
03:00 PM - 04:00 PM	51.4	84.1	36.1

Leq Average 24 hrs. (dB(A))	51.0		
Lmax (dB(A))		89.8	
L90 (dB(A))			40.0
Ldn (dB(A))	63.1		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head

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Analysis / Test Report



TESTING
No.0042

Client : Rojana Industrial Park Public Co., Ltd.

2034/115 26TH Fl. Ithalhai Towe, New Petchburi Road, Bangkok, Huaykwang, Bangkok Thailand 10310

P/O : RJN-LCB-033/66

Project Name : Laemchabang

Project Location :

Lot ID: 24110372

Date Received : Nov 06, 2024

Date Reported : Nov 12, 2024

Report Number: 316290f-1

Page 1 of 1

Sample Number 241103(2-
Parameter Noise (d.e) 24 hrs.O
Location N1 : ถนนพหลโยธินตัดแยกจตุจักร 2
Measurement Date Nov 01 - Nov 02, 2024
Measurement by Santi Chaichana
Sound Level meter Serial No. 2331f4

Time	Le) ๓B๓A๓D	Lma8 ๓B๓A๓D	L90 ๓B๓A๓D
04:00 Px - 05:00 Px	53.4	f 2.3	39.๔
05:00 Px - 06:00 Px	54.5	f 0.๔	41.5
06:00 Px - 0๗:00 Px	52.4	f 1.1	40.3
0๗:00 Px - 0๘:00 Px	60.3	(๔.5	42.4
0๘:00 Px - 09:00 Px	64.๔	f 3.5	43.๔
09:00 Px - 10:00 Px	5๗.5	f 4.6	44.4
10:00 Px - 11:00 Px	63.๔	(5.๔	4๔.0
11:00 Px - 12:00 Ax	59.5	(4.๔	42.0
12:00 Ax - 01:00 Ax	54.2	69.3	39.2
01:00 Ax - 02:00 Ax	46.3	64.6	39.6
02:00 Ax - 03:00 Ax	44.9	63.4	3๗.f
03:00 Ax - 04:00 Ax	42.9	5๔.3	39.3
04:00 Ax - 05:00 Ax	41.2	5๔.๔	3๗.6
05:00 Ax - 06:00 Ax	43.1	6๔.3	40.6
06:00 Ax - 0๗:00 Ax	53.6	(f.9	41.5
0๗:00 Ax - 0๘:00 Ax	59.0	f 6.4	42.4
0๘:00 Ax - 09:00 Ax	56.f	f 3.1	43.3
09:00 Ax - 10:00 Ax	50.6	(3.0	42.5
10:00 Ax - 11:00 Ax	5๔.5	f 1.0	42.4
11:00 Ax - 12:00 Px	5๗.2	f 6.3	41.1
12:00 Px - 01:00 Px	56.0	f 2.f	40.6
01:00 Px - 02:00 Px	5๗.2	(1.f	52.f
02:00 Px - 03:00 Px	5๔.๔	(f.0	52.2
03:00 Px - 04:00 Px	54.3	f 2.๔	41.3

Le) Average 24 hrs. ๓B๓A๓D 5๔.6
Lma8 ๓B๓A๓D f 6.4
L90 ๓B๓A๓D 41.5
Ldn ๓B๓A๓D 63.1
Standard ๓B๓A๓D (0 115

Reference x method : ISM1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 พ.ศ. 2540 เรื่อง กำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 254๗

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

Technical Management

Chontichak
Chonticha Subongkoch
Scientist ๓O

Approved by

Supt S
Supot Salamteh
Section Head

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150(9-21/ EMAIL



Analysis / Test Report



TESTING
No.0042

Client : Rojana Industrial Park Public Co., Ltd.

2034/115 26TH Fl. Ithalhai Towe, New Petchburi Road, Bangkok, Huaykwang, Bangkok Thailand 10310

P/O : RJN-LCB-033/66

Project Name : Laemchabang

Project Location :

Lot ID: 24110372

Date Received : Nov 06, 2024

Date Reported : Nov 12, 2024

Report Number: 3162909-1

Page 1 of 1

Sample Number 24110372-(
Parameter Noise (d.e) 24 hrs.O
Location N2 : ถนนพหลโยธินตัดแยกจตุจักร 3
Measurement Date Sct 26 - Sct 27, 2024
Measurement by Banti Chaichana
Sound Level meter Serial No. 1122567

Time	Le) ๓B๓A๓D	Lmax ๓B๓A๓D	L90 ๓B๓A๓D
05:00 PM - 06:00 PM	50.7	(1.2	45.0
06:00 PM - 07:00 PM	4๗.๔	74.0	44.4
07:00 PM - 0๘:00 PM	53.3	63.4	50.๔
0๘:00 PM - 09:00 PM	52.4	61.4	50.9
09:00 PM - 10:00 PM	51.1	70.0	4๗.9
10:00 PM - 11:00 PM	4๗.5	56.1	47.1
11:00 PM - 12:00 AM	47.7	52.5	46.6
12:00 AM - 01:00 AM	49.2	55.5	47.3
01:00 AM - 02:00 AM	4๗.6	55.9	45.7
02:00 AM - 03:00 AM	51.6	66.2	44.5
03:00 AM - 04:00 AM	47.4	67.7	43.9
04:00 AM - 05:00 AM	4๗.9	55.7	45.9
05:00 AM - 06:00 AM	51.5	61.3	4๗.0
06:00 AM - 07:00 AM	53.9	63.4	51.๔
07:00 AM - 0๘:00 AM	52.5	71.7	49.6
0๘:00 AM - 09:00 AM	50.4	70.๔	46.1
09:00 AM - 10:00 AM	51.7	70.4	47.๔
10:00 AM - 11:00 AM	52.๔	72.7	4๗.๔
11:00 AM - 12:00 PM	54.5	74.1	50.6
12:00 PM - 01:00 PM	54.5	7๔.5	50.4
01:00 PM - 02:00 PM	50.2	74.5	46.6
02:00 PM - 03:00 PM	57.4	77.2	53.4
03:00 PM - 04:00 PM	53.6	72.7	50.4
04:00 PM - 05:00 PM	55.0	7๔.3	51.7

Le) Average 24 hrs. ๓B๓A๓D 52.3
Lmax ๓B๓A๓D (1.2
L90 ๓B๓A๓D 47.๔
Ldn ๓B๓A๓D 57.2
Standard ๓B๓A๓D 70 115

Reference Method : ISB 1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 พ.ศ. 2540 เรื่อง กำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 254๗

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

Technical Management

Chontichak
Chonticha Subongkoch
Scientist ๓O

Approved by

Supt S
Supot Salamteh
Section Head

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Analysis / Test Report



TESTING
No.0042

Client : Rojana Industrial Park Public Co., Ltd.

2034/115 26TH Fl. Italthai Towee, New Petchburi Road, Bangkok, Huaykwang, Bangkok Thailand 10310

P/O : RJN-LCB-033/66

Project Name : Laemchabang

Project Location :

Lot ID: 24110372

Date Received : Nov 06, 2024

Date Reported : Nov 12, 2024

Report Number: 3162910-1

Page 1 of 1

Sample Number	24110372-9
Parameter	Noise (Leq 24 hrs.)
Location	N2 : ชุมชนบ้านตะเคียนเตี้ยจุดที่ 3
Measurement Date	Oct 27 - Oct 28, 2024
Measurement by	Santi Chaichana
Sound Level meter	Serial No. 1122567

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
05:00 PM - 06:00 PM	56.2	52.3	51.2
06:00 PM - 07:00 PM	52.3	62.0	50.3
07:00 PM - 08:00 PM	52.3	63.0	50.5
08:00 PM - 09:00 PM	53.1	64.0	51.5
09:00 PM - 10:00 PM	51.0	59.0	49.9
10:00 PM - 11:00 PM	52.5	59.5	50.9
11:00 PM - 12:00 AM	45.2	61.6	46.1
12:00 AM - 01:00 AM	56.7	75.6	50.2
01:00 AM - 02:00 AM	49.6	65.3	46.1
02:00 AM - 03:00 AM	47.6	55.5	44.5
03:00 AM - 04:00 AM	47.0	65.4	44.7
04:00 AM - 05:00 AM	45.5	57.0	43.6
05:00 AM - 06:00 AM	45.4	57.5	46.5
06:00 AM - 07:00 AM	49.6	59.0	45.1
07:00 AM - 08:00 AM	49.4	64.2	47.5
08:00 AM - 09:00 AM	54.3	79.0	49.9
09:00 AM - 10:00 AM	55.1	74.9	50.2
10:00 AM - 11:00 AM	55.0	77.5	47.2
11:00 AM - 12:00 PM	51.9	75.6	44.4
12:00 PM - 01:00 PM	53.5	70.5	45.4
01:00 PM - 02:00 PM	54.1	69.0	49.4
02:00 PM - 03:00 PM	57.6	75.5	54.2
03:00 PM - 04:00 PM	54.6	74.5	49.1
04:00 PM - 05:00 PM	57.5	79.7	53.2

Leq Average 24 hrs. (dB(A))

53.4

Lmax (dB(A))

52.3

L90 (dB(A))

49.1

Ldn (dB(A))

55.0

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2545

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

Technical Management

Chontichak

Chonticha Bubongkoch
Scientist (3)

Approved by

Supt S

Bupot Balamteh
Section Head

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Analysis / Test Report



TESTING
No.0042

Client : Rojana Industrial Park Public Co., Ltd.

2034/115 26TH Fl. Italthai Towee, New Petchburi Road, Bangkok, Huaykwang, Bangkok Thailand 10310

P/O : RJN-LCB-033/66

Project Name : Laemchabang

Project Location :

Lot ID: 24110372

Date Received : Nov 06, 2024

Date Reported : Nov 12, 2024

Report Number: 3162911-1

Page 1 of 1

Sample Number	24110372-10
Parameter	Noise (Leq 24 hrs.)
Location	N2 : ชุมชนบ้านตะเคียนเตี้ยจุดที่ 3
Measurement Date	Oct 25 - Oct 29, 2024
Measurement by	Santi Chaichana
Sound Level meter	Serial No. 1122567

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
05:00 PM - 06:00 PM	56.6	73.6	53.1
06:00 PM - 07:00 PM	55.0	74.5	52.5
07:00 PM - 08:00 PM	55.4	69.6	54.3
08:00 PM - 09:00 PM	52.4	69.5	45.9
09:00 PM - 10:00 PM	52.9	70.5	50.0
10:00 PM - 11:00 PM	55.3	61.1	52.5
11:00 PM - 12:00 AM	47.9	57.4	44.7
12:00 AM - 01:00 AM	55.7	60.0	51.4
01:00 AM - 02:00 AM	55.9	60.2	45.5
02:00 AM - 03:00 AM	52.0	60.0	46.0
03:00 AM - 04:00 AM	47.5	53.0	44.7
04:00 AM - 05:00 AM	46.7	56.0	44.3
05:00 AM - 06:00 AM	47.9	54.9	45.9
06:00 AM - 07:00 AM	47.9	64.5	45.5
07:00 AM - 08:00 AM	47.4	64.4	45.2
08:00 AM - 09:00 AM	54.6	74.0	50.6
09:00 AM - 10:00 AM	55.2	73.4	50.9
10:00 AM - 11:00 AM	55.5	69.7	52.3
11:00 AM - 12:00 PM	56.1	77.4	50.9
12:00 PM - 01:00 PM	54.6	67.9	50.9
01:00 PM - 02:00 PM	55.0	76.5	50.9
02:00 PM - 03:00 PM	54.7	75.4	45.6
03:00 PM - 04:00 PM	54.4	76.2	49.4
04:00 PM - 05:00 PM	53.6	69.6	50.7

Leq Average 24 hrs. (dB(A))

54.2

Lmax (dB(A))

77.4

L90 (dB(A))

50.0

Ldn (dB(A))

59.2

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2545

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

Technical Management

Chontichak

Chonticha Bubongkoch
Scientist (3)

Approved by

Supt S

Bupot Balamteh
Section Head

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.

2034/115 26TH Fl. Italthai Towe, New Petchburi Road, Bangkok, Huaykwang, Bangkok Thailand 10310

P/O : RJN-LCB-033/66

Project Name : Laemchabang

Project Location :



TESTING
No.0042

Lot ID: 24110372

Date Received : Nov 06, 2024

Date Reported : Nov 12, 2024

Report Number: 3162912-1

Page 1 of 1

Sample Number 24110372-11
Parameter Noise (Leq 24 hrs.)
Location N2 : รุมนรพ.บ้านตะเคียนเตี้ยจุดที่ 3
Measurement Date Oct 29 - Oct 30, 2024
Measurement by Santi Chaichana
Sound Level meter Serial No. 1122567

Time	Leq (dB(A))	Lma8 (dB(A))	L90 (dB(A))
05:00 PM - 06:00 PM	53.4	71.5	50.2
06:00 PM - 07:00 PM	52.3	66.x	4x.x
07:00 PM - 0x:00 PM	54.2	61.1	52.x
0x:00 PM - 09:00 PM	49.7	66.0	47.3
09:00 PM - 10:00 PM	52.5	65.6	49.x
10:00 PM - 11:00 PM	47.4	57.3	45.1
11:00 PM - 12:00 AM	4x.3	6x.0	44.0
12:00 AM - 01:00 AM	49.6	56.0	43.3
01:00 AM - 02:00 AM	51.1	5x.9	45.7
02:00 AM - 03:00 AM	49.5	59.7	42.2
03:00 AM - 04:00 AM	4x.5	69.6	42.2
04:00 AM - 05:00 AM	51.5	6x.0	49.2
05:00 AM - 06:00 AM	55.6	62.9	51.1
06:00 AM - 07:00 AM	57.2	62.9	54.6
07:00 AM - 0x:00 AM	54.5	67.4	50.5
0x:00 AM - 09:00 AM	53.5	74.9	49.6
09:00 AM - 10:00 AM	52.4	69.7	47.2
10:00 AM - 11:00 AM	51.1	70.6	46.3
11:00 AM - 12:00 PM	51.7	66.x	47.4
12:00 PM - 01:00 PM	47.3	64.4	41.7
01:00 PM - 02:00 PM	47.7	69.1	43.0
02:00 PM - 03:00 PM	53.0	72.0	4x.4
03:00 PM - 04:00 PM	53.9	74.9	47.3
04:00 PM - 05:00 PM	51.9	71.5	47.9

Leq Average 24 hrs. (dB(A)) 52.4
Lma8 (dB(A)) 74.9
L90 (dB(A)) 47.3
Ldn (dB(A)) 5x.7
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 254x

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

Technical Management

Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by

Supot S.
Supot Salamteh
Section Head

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.

2034/115 26TH Fl. Italthai Towe, New Petchburi Road, Bangkok, Huaykwang, Bangkok Thailand 10310

P/O : RJN-LCB-033/66

Project Name : Laemchabang

Project Location :



TESTING
No.0042

Lot ID: 24110372

Date Received : Nov 06, 2024

Date Reported : Nov 12, 2024

Report Number: 3162913-1

Page 1 of 1

Sample Number 24110372-12
Parameter Noise (Leq 24 hrs.)
Location N2 : รุมนรพ.บ้านตะเคียนเตี้ยจุดที่ 3
Measurement Date Oct 30 - Oct 31, 2024
Measurement by Santi Chaichana
Sound Level meter Serial No. 1122567

Time	Leq (dB(A))	Lma8 (dB(A))	L90 (dB(A))
05:00 PM - 06:00 PM	52.1	72.9	47.2
06:00 PM - 07:00 PM	51.7	70.4	45.1
07:00 PM - 0x:00 PM	54.3	64.3	53.0
0x:00 PM - 09:00 PM	51.4	6x.x	49.3
09:00 PM - 10:00 PM	4x.5	53.9	46.2
10:00 PM - 11:00 PM	46.1	6x.3	44.0
11:00 PM - 12:00 AM	44.9	67.7	43.6
12:00 AM - 01:00 AM	45.5	52.9	43.1
01:00 AM - 02:00 AM	43.9	77.9	41.2
02:00 AM - 03:00 AM	43.7	53.x	41.x
03:00 AM - 04:00 AM	43.6	50.4	41.x
04:00 AM - 05:00 AM	45.2	52.5	42.4
05:00 AM - 06:00 AM	46.2	53.9	44.5
06:00 AM - 07:00 AM	49.x	64.2	4x.3
07:00 AM - 0x:00 AM	49.6	6x.6	46.9
0x:00 AM - 09:00 AM	51.0	71.6	45.4
09:00 AM - 10:00 AM	51.2	70.5	46.3
10:00 AM - 11:00 AM	5x.9	x0.3	51.1
11:00 AM - 12:00 PM	54.0	76.2	4x.5
12:00 PM - 01:00 PM	52.2	66.3	4x.2
01:00 PM - 02:00 PM	52.0	70.6	47.x
02:00 PM - 03:00 PM	53.4	70.9	50.2
03:00 PM - 04:00 PM	53.3	69.5	49.9
04:00 PM - 05:00 PM	55.0	72.x	51.1

Leq Average 24 hrs. (dB(A)) 51.7
Lma8 (dB(A)) x0.3
L90 (dB(A)) 46.3
Ldn (dB(A)) 54.5
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 254x

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

Technical Management

Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by

Supot S.
Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (9.12AM)



Analysis / Test Report



TESTING
No.0042

Client : Rojana Industrial Park Public Co., Ltd.

2034/115 26TH Fl. Italthai Towre, New Petchburi Road, Bangkok, Huaykwang, Bangkok Thailand 10310

P/O : RJN-LCB-033/66

Project Name : Laemchabang

Project Location :

Lot ID: 24110372

Date Received : Nov 06, 2024

Date Reported : Nov 12, 2024

Report Number: 3162914-1

Page 1 of 1

Sample Number	24110372-13
Parameter	Noise (Leq 24 hrs.)
Location	N2 : ชุมชนบ้านตะเคียนเตี้ยจุดที่ 3
Measurement Date	Oct 31 - Nov 01, 2024
Measurement by	Santi Chaichana
Sound Level meter	Serial No. 1122567

Time	Leq (dB(A))	LmaB (dB(A))	L90 (dB(A))
05:00 PM - 06:00 PM	52.3	70.7	49.2
06:00 PM - 07:00 PM	50.6	69.4	47.7
07:00 PM - 08:00 PM	52.2	62.7	50.9
08:00 PM - 09:00 PM	51.7	62.2	50.3
09:00 PM - 10:00 PM	50.4	66.2	4x.x
10:00 PM - 11:00 PM	49.3	60.6	4x.5
11:00 PM - 12:00 AM	47.5	55.4	45.6
12:00 AM - 01:00 AM	4x.9	57.2	47.4
01:00 AM - 02:00 AM	47.x	59.6	46.3
02:00 AM - 03:00 AM	4x.6	57.2	46.0
03:00 AM - 04:00 AM	47.7	77.5	44.1
04:00 AM - 05:00 AM	47.2	57.7	45.4
05:00 AM - 06:00 AM	47.2	53.2	45.6
06:00 AM - 07:00 AM	50.5	62.5	49.2
07:00 AM - 08:00 AM	49.3	66.x	47.3
08:00 AM - 09:00 AM	49.x	67.2	45.4
09:00 AM - 10:00 AM	47.7	63.0	44.x
10:00 AM - 11:00 AM	46.7	69.1	43.0
11:00 AM - 12:00 PM	4x.4	62.0	44.1
12:00 PM - 01:00 PM	46.7	6x.1	42.1
01:00 PM - 02:00 PM	45.1	63.9	40.x
02:00 PM - 03:00 PM	49.9	66.2	45.6
03:00 PM - 04:00 PM	47.2	67.2	42.5
04:00 PM - 05:00 PM	46.3	66.3	42.9

Leq Average 24 hrs. (dB(A))

49.1

-

LmaB (dB(A))

77.5

L90 (dB(A))

45.6

Ldn (dB(A))

55.0

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 254x

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head

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ISO9001/2015 EMAIL

S:\Reports_Air Noise rpt (9 12AM)



Analysis / Test Report



TESTING
No.0042

Client : Rojana Industrial Park Public Co., Ltd.

2034/115 26TH Fl. Italthai Towre, New Petchburi Road, Bangkok, Huaykwang, Bangkok Thailand 10310

P/O : RJN-LCB-033/66

Project Name : Laemchabang

Project Location :

Lot ID: 24110372

Date Received : Nov 06, 2024

Date Reported : Nov 12, 2024

Report Number: 3162915-1

Page 1 of 1

Sample Number	24110372-14
Parameter	Noise (Leq 24 hrs.)
Location	N2 : ชุมชนบ้านตะเคียนเตี้ยจุดที่ 3
Measurement Date	Nov 01 - Nov 02, 2024
Measurement by	Qanti Chalchana
Sound Level meter	Serial No. 1122567

Time	Leq (dB(A))	LmaS (dB(A))	L90 (dB(A))
05:00 Px - 06:00 Px	50.1	69.0	46.0
06:00 Px - 07:00 Px	47.0	63.3	43.6
07:00 Px - 08:00 Px	52.4	63.8	50.9
08:00 Px - 09:00 Px	50.9	65.6	48.9
09:00 Px - 10:00 Px	50.4	60.3	47.8
10:00 Px - 11:00 Px	49.4	56.7	44.2
11:00 Px - 12:00 Ax	46.2	57.2	42.6
12:00 Ax - 01:00 Ax	45.0	54.2	42.5
01:00 Ax - 02:00 Ax	45.6	59.0	42.3
02:00 Ax - 03:00 Ax	48.1	55.3	43.1
03:00 Ax - 04:00 Ax	47.1	56.0	41.5
04:00 Ax - 05:00 Ax	47.8	57.3	41.1
05:00 Ax - 06:00 Ax	43.9	53.3	42.4
06:00 Ax - 07:00 Ax	48.1	62.9	46.1
07:00 Ax - 08:00 Ax	48.9	71.3	45.0
08:00 Ax - 09:00 Ax	51.2	70.1	46.4
09:00 Ax - 10:00 Ax	51.6	75.3	46.6
10:00 Ax - 11:00 Ax	50.5	71.3	45.5
11:00 Ax - 12:00 Px	50.9	69.9	46.3
12:00 Px - 01:00 Px	55.6	90.6	48.9
01:00 Px - 02:00 Px	50.4	66.8	46.1
02:00 Px - 03:00 Px	48.2	67.8	43.4
03:00 Px - 04:00 Px	46.9	66.9	43.5
04:00 Px - 05:00 Px	50.5	69.6	46.3

Leq Average 24 hrs. (dB(A))

49.8

LmaS (dB(A))

90.6

L90 (dB(A))

45.0

Ldn (dB(A))

54.3

Standard (dB(A))

70

115

Reference Method : IOM1996-1 and 1996-2

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head

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S:\Reports_Air Noise rpt (9 12AM)



Analysis / Test Report



TESTING
No.0042

Client : Rojana Industrial Park Public Co., Ltd.

2034/115 26TH Fl. Italthai Towe, New Petchburi Road, Bangkok, Huaykwang, Bangkok Thailand 10310

P/O : RJN-LCB-033/66

Project Name : Laemchabang

Project Location :

Lot ID: 24110372

Date Received : Nov 06, 2024

Date Reported : Nov 12, 2024

Report Number: 3162916-1

Page 1 of 1

Sample Number 24110372-15
Parameter Noise (Leq 24 hrs.)
Location N3 : ทุ่นขนถ่ายขยะเคียนเคียนจุดที่ 4
Measurement Date Oct 26 - Oct 27, 2024
Measurement by Santi Chaichana
Sound Level meter Serial No. 734220

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 PM - 05:00 PM	49.5	64.x	42.3
05:00 PM - 06:00 PM	50.7	77.5	43.x
06:00 PM - 07:00 PM	50.2	72.9	47.7
07:00 PM - 08:00 PM	50.7	65.1	46.9
08:00 PM - 09:00 PM	4x.x	67.x	47.2
09:00 PM - 10:00 PM	47.1	5x.x	46.0
10:00 PM - 11:00 PM	46.2	5x.x	44.9
11:00 PM - 12:00 AM	4x.6	6x.2	47.0
12:00 AM - 01:00 AM	4x.2	54.2	47.1
01:00 AM - 02:00 AM	57.7	79.7	4x.2
02:00 AM - 03:00 AM	45.9	62.4	43.3
03:00 AM - 04:00 AM	44.9	60.2	42.1
04:00 AM - 05:00 AM	45.5	59.0	42.7
05:00 AM - 06:00 AM	57.0	x3.4	43.0
06:00 AM - 07:00 AM	50.x	72.5	43.4
07:00 AM - 08:00 AM	4x.7	75.2	43.4
08:00 AM - 09:00 AM	52.7	x2.3	40.7
09:00 AM - 10:00 AM	47.4	75.2	40.3
10:00 AM - 11:00 AM	50.9	x0.2	41.5
11:00 AM - 12:00 PM	45.5	60.6	40.x
12:00 PM - 01:00 PM	45.7	67.0	39.4
01:00 PM - 02:00 PM	52.6	x0.0	42.3
02:00 PM - 03:00 PM	4x.9	74.4	40.6
03:00 PM - 04:00 PM	46.9	69.7	41.9

Leq Average 24 hrs. (dB(A))

50.x

Lmax (dB(A))

x3.4

L90 (dB(A))

43.0

Ldn (dB(A))

5x.3

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 254x

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

Technical Management

Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by

Supot Salamteh
Supot Salamteh
Section Head

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S:\Reports\Air Noise.rpt (9:13AM)



Analysis / Test Report



TESTING
No.0042

Client : Rojana Industrial Park Public Co., Ltd.

2034/115 26TH Fl. Italthai Towe, New Petchburi Road, Bangkok, Huaykwang, Bangkok Thailand 10310

P/O : RJN-LCB-033/66

Project Name : Laemchabang

Project Location :

Lot ID: 24110372

Date Received : Nov 06, 2024

Date Reported : Nov 12, 2024

Report Number: 316291f-1

Page 1 of 1

Sample Number 24110372-16
Parameter Noise (Leq 24 hrs.)
Location N3 : ทุ่นขนถ่ายขยะเคียนเคียนจุดที่ 4
Measurement Date Oct 2f - Oct 25, 2024
Measurement by Banti Chaichana
Sound Level meter Serial No. f 34220

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 PM - 05:00 PM	55.4	56.6	43.2
05:00 PM - 06:00 PM	54.5	f 9.9	45.0
06:00 PM - 07:00 PM	53.f	65.2	49.6
07:00 PM - 08:00 PM	53.6	65.f	49.0
08:00 PM - 09:00 PM	51.9	66.6	45.5
09:00 PM - 10:00 PM	46.6	6f.2	44.f
10:00 PM - 11:00 PM	44.5	60.4	43.5
11:00 PM - 12:00 AM	55.5	f 5.3	45.0
12:00 AM - 01:00 AM	53.3	f 0.9	50.6
01:00 AM - 02:00 AM	46.6	61.4	44.5
02:00 AM - 03:00 AM	45.4	69.0	43.2
03:00 AM - 04:00 AM	43.5	55.6	42.5
04:00 AM - 05:00 AM	44.3	61.3	43.2
05:00 AM - 06:00 AM	4f.2	65.f	44.5
06:00 AM - 07:00 AM	49.1	f 1.5	45.1
07:00 AM - 08:00 AM	45.9	f 3.0	44.1
08:00 AM - 09:00 AM	46.0	66.5	42.3
09:00 AM - 10:00 AM	45.9	63.6	42.2
10:00 AM - 11:00 AM	45.1	66.3	39.4
11:00 AM - 12:00 PM	42.9	61.5	35.9
12:00 PM - 01:00 PM	53.6	55.6	35.5
01:00 PM - 02:00 PM	4f.9	f f.3	3f.5
02:00 PM - 03:00 PM	4f.0	66.9	35.4
03:00 PM - 04:00 PM	49.4	f 4.5	40.5

Leq Average 24 hrs. (dB(A))

51.2

Lmax (dB(A))

56.6

L90 (dB(A))

43.2

Ldn (dB(A))

5f.f

Standard (dB(A))

f 0

115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2545

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

Technical Management

Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by

Supot Salamteh
Supot Salamteh
Section Head

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S:\Reports\Air Noise.rpt (9:13AM)



Analysis / Test Report



TESTING
No.0042

Client : Rojana Industrial Park Public Co., Ltd.

2034/115 26TH Fl. Italthai Tow, New Petchburi Road, Bangkok, Huaykwang, Bangkok Thailand 10310

P/O : RJN-LCB-033/66

Project Name : Laemchabang

Project Location :

Lot ID: 24110372

Date Received : Nov 06, 2024

Date Reported : Nov 12, 2024

Report Number: 316291f-1

Page 1 of 1

Sample Number	241103(2-1(
Parameter	Noise dLe) 24 hrs.O
Location	N3 : ชุมชนบ้านดระเคียนเคียนจุดที่ 4
Measurement Date	S ct 2f - S ct 29, 2024
Measurement by	Banti Chaichana
Sound Level meter	Serial No. (34220

Time	Le) dBqA(	Lmax dBqA(	L90 dBqA(
04:00 PM - 05:00 PM	54.4	(4.6	43.5
05:00 PM - 06:00 PM	4f.1	(2.6	40.6
06:00 PM - 0(:00 PM	49.9	69.f	44.0
0(:00 PM - 0f :00 PM	51.4	(1.5	46.5
0f :00 PM - 09:00 PM	45.2	53.1	44.5
09:00 PM - 10:00 PM	43.9	51.0	43.5
10:00 PM - 11:00 PM	4(.f	(3.f	42.1
11:00 PM - 12:00 AM	42.0	52.6	41.4
12:00 AM - 01:00 AM	43.2	6(.6	41.9
01:00 AM - 02:00 AM	41.4	50.1	40.9
02:00 AM - 03:00 AM	40.1	46.2	39.4
03:00 AM - 04:00 AM	53.3	f4.2	41.0
04:00 AM - 05:00 AM	45.f	63.(	41.6
05:00 AM - 06:00 AM	45.9	64.2	42.3
06:00 AM - 0(:00 AM	4(.3	65.0	44.3
0(:00 AM - 0f :00 AM	4(.6	6(.	43.6
0f :00 AM - 09:00 AM	44.6	65.1	3(.6
09:00 AM - 10:00 AM	45.4	69.3	3(.5
10:00 AM - 11:00 AM	42.2	62.(	3(.f
11:00 AM - 12:00 PM	53.0	((.1	43.0
12:00 PM - 01:00 PM	46.0	6(.4	39.(
01:00 PM - 02:00 PM	52.9	f0.4	42.6
02:00 PM - 03:00 PM	45.3	63.5	41.1
03:00 PM - 04:00 PM	50.6	(4.f	42.0

Le) Average 24 hrs. dBqA(

4f.f

Lmax dBqA(

f4.2

L90 dBqA(

41.9

Ldn dBqA(

54.0

Standard dBqA(

(0

115

ReReference Method : IBS 1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 พ.ศ. 2540เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ
โรงงาน พ.ศ. 254f

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

Technical Management

Chontichak

Chonticha Bubongkoch
Scientist qJO

Approved by

Supt S

Bupot Balamteh
Section Head

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S:\Reports_Air Noise.rpt (9 13AM)



Analysis / Test Report



TESTING
No.0042

Client : Rojana Industrial Park Public Co., Ltd.

2034/115 26TH Fl. Italthai Tow, New Petchburi Road, Bangkok, Huaykwang, Bangkok Thailand 10310

P/O : RJN-LCB-033/66

Project Name : Laemchabang

Project Location :

Lot ID: 24110372

Date Received : Nov 06, 2024

Date Reported : Nov 12, 2024

Report Number: 3162919-1

Page 1 of 1

Sample Number	24110372-1(
Parameter	Noise dLe) 24 hrs.O
Location	N3 : ชุมชนบ้านดระเคียนเคียนจุดที่ 4
Measurement Date	S ct 29 - S ct 30, 2024
Measurement by	Banti Chaichana
Sound Level meter	Serial No. 734220

Time	Le) dBqA(	Lmax dBqA(	L90 dBqA(
04:00 PM - 05:00 PM	46.0	62.7	42.9
05:00 PM - 06:00 PM	57.9	(7.0	4(.2
06:00 PM - 07:00 PM	54.3	6(.6	49.9
07:00 PM - 0(:00 PM	53.(	69.1	49.0
0(:00 PM - 09:00 PM	52.9	67.0	49.7
09:00 PM - 10:00 PM	4(.0	67.6	45.7
10:00 PM - 11:00 PM	45.4	64.(	44.0
11:00 PM - 12:00 AM	54.3	75.7	45.6
12:00 AM - 01:00 AM	5(.6	75.7	51.9
01:00 AM - 02:00 AM	47.3	59.3	45.9
02:00 AM - 03:00 AM	46.2	69.4	43.4
03:00 AM - 04:00 AM	44.2	52.2	43.3
04:00 AM - 05:00 AM	43.9	56.0	43.3
05:00 AM - 06:00 AM	46.6	61.7	44.(
06:00 AM - 07:00 AM	49.(	71.9	45.4
07:00 AM - 0(:00 AM	49.1	73.4	44.9
0(:00 AM - 09:00 AM	47.4	72.4	42.(
09:00 AM - 10:00 AM	46.1	64.0	43.1
10:00 AM - 11:00 AM	45.1	61.5	40.3
11:00 AM - 12:00 PM	44.4	66.7	3(.5
12:00 PM - 01:00 PM	46.4	66.4	40.3
01:00 PM - 02:00 PM	54.4	(6.0	37.7
02:00 PM - 03:00 PM	45.(	66.9	3(.0
03:00 PM - 04:00 PM	47.9	72.0	39.9

Le) Average 24 hrs. dBqA(

51.5

Lmax dBqA(

(7.0

L90 dBqA(

43.4

Ldn dBqA(

5(.1

Standard dBqA(

70

115

Reference Method : IBS 1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 พ.ศ. 2540เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ
โรงงาน พ.ศ. 254(

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

Technical Management

Chontichak

Chonticha Bubongkoch
Scientist qJO

Approved by

Supt S

Bupot Balamteh
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S:\Reports_Air Noise.rpt (9 13AM)



Analysis / Test Report



TESTING
No.0042

Client : Rojana Industrial Park Public Co., Ltd.

2034/115 26TH Fl. Italthai Towe, New Petchburi Road, Bangkok, Huaykwang, Bangkok Thailand 10310

P/O : RJN-LCB-033/66

Project Name : Laemchabang

Project Location :

Lot ID: 24110372

Date Received : Nov 06, 2024

Date Reported : Nov 12, 2024

Report Number: 3162920-1

Page 1 of 1

Sample Number	24110372-19
Parameter	Noise (Leq 24 hrs.)
Location	N3 : ถนนพหลโยธินตัดถนนแจ้งวัฒนะที่ 4
Measurement Date	Oct 30 - Oct 31, 2024
Measurement by	Santi Chaichana
Sound Level meter	Serial No. 734220

Time	Leq (dB(A))	Lma8 (dB(A))	L90 (dB(A))
04:00 PM - 05:00 PM	55.3	75.2	44.1
05:00 PM - 06:00 PM	46.5	75.0	41.0
06:00 PM - 07:00 PM	50.4	73.0	43.1
07:00 PM - 08:00 PM	52.4	71.9	47.0
08:00 PM - 09:00 PM	46.7	62.x	45.2
09:00 PM - 10:00 PM	44.6	53.5	44.2
10:00 PM - 11:00 PM	4x.2	74.2	42.7
11:00 PM - 12:00 AM	42.5	53.0	42.1
12:00 AM - 01:00 AM	43.5	6x.0	42.1
01:00 AM - 02:00 AM	42.4	47.x	41.9
02:00 AM - 03:00 AM	40.9	50.5	40.2
03:00 AM - 04:00 AM	53.6	x4.6	40.x
04:00 AM - 05:00 AM	46.2	64.1	42.1
05:00 AM - 06:00 AM	45.x	64.6	42.4
06:00 AM - 07:00 AM	47.1	65.4	44.4
07:00 AM - 08:00 AM	4x.6	6x.1	44.7
08:00 AM - 09:00 AM	44.2	63.5	3x.x
09:00 AM - 10:00 AM	46.6	69.7	3x.3
10:00 AM - 11:00 AM	42.6	63.9	37.6
11:00 AM - 12:00 PM	53.2	77.5	42.x
12:00 PM - 01:00 PM	47.0	67.4	40.7
01:00 PM - 02:00 PM	52.4	x1.0	42.0
02:00 PM - 03:00 PM	49.7	77.1	42.7
03:00 PM - 04:00 PM	50.4	75.4	42.6

Leq Average 24 hrs. (dB(A))	49.3		
Lma8 (dB(A))		x4.6	
L90 (dB(A))			42.1
Ldn (dB(A))	54.3		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 254x

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

Technical Management

Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by

Supot S.
Supot Salamteh
Section Head

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150x9-21/ EMAIL

S:\Reports_Air Noise.rpt (9:13AM)



Analysis / Test Report



TESTING
No.0042

Client : Rojana Industrial Park Public Co., Ltd.

2034/115 26TH Fl. Italthai Towe, New Petchburi Road, Bangkok, Huaykwang, Bangkok Thailand 10310

P/O : RJN-LCB-033/66

Project Name : Laemchabang

Project Location :

Lot ID: 24110372

Date Received : Nov 06, 2024

Date Reported : Nov 12, 2024

Report Number: 3162921-1

Page 1 of 1

Sample Number	24110372-20
Parameter	Noise (Leq 24 hrs.)
Location	N3 : ถนนพหลโยธินตัดถนนแจ้งวัฒนะที่ 4
Measurement Date	Oct 31 - Nov 01, 2024
Measurement by	Santi Chaichana
Sound Level meter	Serial No. 734220

Time	Leq (dB(A))	Lma8 (dB(A))	L90 (dB(A))
04:00 PM - 05:00 PM	4x.1	70.7	43.3
05:00 PM - 06:00 PM	57.5	x7.6	47.3
06:00 PM - 07:00 PM	55.9	x0.9	50.x
07:00 PM - 08:00 PM	54.9	69.7	49.9
08:00 PM - 09:00 PM	53.1	67.6	50.1
09:00 PM - 10:00 PM	50.5	66.0	47.2
10:00 PM - 11:00 PM	46.6	6x.2	44.7
11:00 PM - 12:00 AM	54.x	76.3	45.5
12:00 AM - 01:00 AM	59.3	76.3	52.5
01:00 AM - 02:00 AM	4x.2	59.9	47.0
02:00 AM - 03:00 AM	47.1	70.0	44.1
03:00 AM - 04:00 AM	44.7	52.x	43.9
04:00 AM - 05:00 AM	44.7	56.6	44.0
05:00 AM - 06:00 AM	46.7	62.3	45.2
06:00 AM - 07:00 AM	50.3	72.5	45.9
07:00 AM - 08:00 AM	49.9	74.0	45.7
08:00 AM - 09:00 AM	4x.2	67.x	43.7
09:00 AM - 10:00 AM	46.5	62.0	43.7
10:00 AM - 11:00 AM	46.0	64.6	41.4
11:00 AM - 12:00 PM	45.2	67.3	3x.x
12:00 PM - 01:00 PM	44.6	62.x	41.2
01:00 PM - 02:00 PM	55.2	x6.6	37.5
02:00 PM - 03:00 PM	46.6	67.1	39.0
03:00 PM - 04:00 PM	4x.5	72.6	40.0

Leq Average 24 hrs. (dB(A))	52.1		
Lma8 (dB(A))		x7.6	
L90 (dB(A))			44.1
Ldn (dB(A))	5x.7		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 254x

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

Technical Management

Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by

Supot S.
Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (9:14AM)



Analysis / Test Report



TESTING
No.0042

Client : Rojana Industrial Park Public Co., Ltd.

2034/115 26TH Fl. Italthai Towre, New Petchburi Road, Bangkok, Thailand 10310

P/O : RJN-LCB-033/66

Project Name : Laemchabang

Project Location :

Lot ID: 24110372

Date Received : Nov 06, 2024

Date Reported : Nov 12, 2024

Report Number: 3162922-1

Page 1 of 1

Sample Number	24110372-21
Parameter	Noise (Leq 24 hrs.)
Location	N3 : ชุมชนบ้านตะเคียนเตี้ยจุดที่ 4
Measurement Date	Nov 01 - Nov 02, 2024
Measurement by	Qanti Chaichana
Sound Level meter	Cerial No. 734220

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 Px - 05:00 Px	55.7	75.8	44.8
05:00 Px - 06:00 Px	48.9	75.6	41.6
06:00 Px - 07:00 Px	50.7	73.6	43.0
07:00 Px - 08:00 Px	53.1	72.5	47.6
08:00 Px - 09:00 Px	47.5	63.4	45.8
09:00 Px - 10:00 Px	45.5	54.1	45.0
10:00 Px - 11:00 Px	48.7	74.8	43.4
11:00 Px - 12:00 Ax	43.8	58.8	42.8
12:00 Ax - 01:00 Ax	43.1	50.5	42.5
01:00 Ax - 02:00 Ax	44.1	68.6	42.8
02:00 Ax - 03:00 Ax	41.8	51.1	41.2
03:00 Ax - 04:00 Ax	54.2	85.2	41.0
04:00 Ax - 05:00 Ax	45.7	62.6	42.5
05:00 Ax - 06:00 Ax	46.8	65.2	42.8
06:00 Ax - 07:00 Ax	47.0	66.0	44.2
07:00 Ax - 08:00 Ax	49.5	68.7	45.9
08:00 Ax - 09:00 Ax	45.2	64.1	40.6
09:00 Ax - 10:00 Ax	46.7	70.3	38.9
10:00 Ax - 11:00 Ax	44.9	70.1	37.8
11:00 Ax - 12:00 Px	53.4	78.1	40.9
12:00 Px - 01:00 Px	48.6	68.0	43.4
01:00 Px - 02:00 Px	53.1	80.6	42.8
02:00 Px - 03:00 Px	45.5	63.7	41.3
03:00 Px - 04:00 Px	50.8	75.0	42.2

Leq Average 24 hrs. (dB(A))	49.8		
Lmax (dB(A))		85.2	
L90 (dB(A))			42.8
Ldn (dB(A))	54.8		
Standard (dB(A))	70	115	

Reference x method : ICM1996-1 and 1996-2

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

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

Technical Management

Chontichak

Chonticha Oubongkoch
Scientist (3)

Approved by

Supt S

Qupot Qalamteh
Section Head

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Analysis / Test Report



TESTING
No.0042

Client : Rojana Industrial Park Public Co., Ltd.

2034/115 26TH Fl. Italthai Towre, New Petchburi Road, Bangkok, Thailand 10310

P/O : RJN-LCB-033/66

Project Name : Laemchabang

Project Location :

Lot ID: 24110372

Date Received : Nov 06, 2024

Date Reported : Nov 12, 2024

Report Number: 3162923-1

Page 1 of 1

Sample Number	24110372-22
Parameter	Noise (Leq 24 hrs.)
Location	N4 : ชุมชนบ้านตะเคียนเตี้ยจุดที่ 5
Measurement Date	Oct 26 - Oct 27, 2024
Measurement by	Santi Chaichana
Sound Level meter	Serial No. 233183

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 PM - 05:00 PM	52.2	73.6	43.9
05:00 PM - 06:00 PM	49.8	72.3	41.6
06:00 PM - 07:00 PM	49.7	67.2	42.3
07:00 PM - 08:00 PM	47.0	65.9	43.2
08:00 PM - 09:00 PM	44.9	60.7	43.0
09:00 PM - 10:00 PM	47.2	70.2	42.4
10:00 PM - 11:00 PM	42.3	61.7	40.1
11:00 PM - 12:00 AM	40.9	60.3	39.6
12:00 AM - 01:00 AM	40.1	54.3	39.3
01:00 AM - 02:00 AM	55.3	80.7	44.9
02:00 AM - 03:00 AM	44.0	63.7	40.3
03:00 AM - 04:00 AM	42.2	55.4	40.6
04:00 AM - 05:00 AM	48.7	63.5	39.6
05:00 AM - 06:00 AM	47.5	63.3	38.1
06:00 AM - 07:00 AM	46.7	66.6	39.3
07:00 AM - 08:00 AM	51.4	70.6	42.5
08:00 AM - 09:00 AM	50.3	66.6	45.6
09:00 AM - 10:00 AM	48.9	67.9	43.5
10:00 AM - 11:00 AM	47.6	62.4	42.0
11:00 AM - 12:00 PM	48.3	63.5	42.3
12:00 PM - 01:00 PM	46.1	67.0	38.6
01:00 PM - 02:00 PM	52.9	73.9	47.6
02:00 PM - 03:00 PM	47.6	65.6	41.9
03:00 PM - 04:00 PM	47.4	61.0	41.4

Leq Average 24 hrs. (dB(A))	48.9		
Lmax (dB(A))		80.7	
L90 (dB(A))			41.9
Ldn (dB(A))	54.8		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supt S

Supot Salamteh
Section Head

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.

2034/115 26TH Fl. Italthai Towe, New Petchburi Road, Bangkok, Huaykwang, Bangkok Thailand 10310

P/O : RJN-LCB-033/66

Project Name : Laemchabang

Project Location :



TESTING
No.0042

Lot ID: 24110372

Date Received : Nov 06, 2024

Date Reported : Nov 12, 2024

Report Number: 3162924-1

Page 1 of 1

Sample Number 24110372-23
Parameter Noise (Leq 24 hrs.)
Location N4 : ชุมชนบ้านตะเคียนเตี้ยจุดที่ 5
Measurement Date Oct 27 - Oct 25, 2024
Measurement by Banti Chaichana
Sound Level meter Serial No. 233153

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 PM - 05:00 PM	49.5	75.2	41.7
05:00 PM - 06:00 PM	47.9	65.0	41.5
06:00 PM - 07:00 PM	47.5	64.4	42.3
07:00 PM - 08:00 PM	49.5	65.3	43.1
08:00 PM - 09:00 PM	47.3	73.5	42.2
09:00 PM - 10:00 PM	43.6	63.3	41.5
10:00 PM - 11:00 PM	45.9	64.2	41.5
11:00 PM - 12:00 AM	52.9	73.5	42.7
12:00 AM - 01:00 AM	55.3	73.6	50.3
01:00 AM - 02:00 AM	42.9	56.3	42.1
02:00 AM - 03:00 AM	45.1	70.1	44.5
03:00 AM - 04:00 AM	44.3	61.7	42.9
04:00 AM - 05:00 AM	44.5	60.4	43.5
05:00 AM - 06:00 AM	45.0	62.3	43.5
06:00 AM - 07:00 AM	45.5	62.3	44.7
07:00 AM - 08:00 AM	51.7	67.6	46.1
08:00 AM - 09:00 AM	52.5	70.3	47.3
09:00 AM - 10:00 AM	56.7	65.6	52.5
10:00 AM - 11:00 AM	55.1	69.6	50.6
11:00 AM - 12:00 PM	55.5	71.3	50.9
12:00 PM - 01:00 PM	51.2	62.1	44.1
01:00 PM - 02:00 PM	50.2	69.7	42.9
02:00 PM - 03:00 PM	49.1	72.2	42.3
03:00 PM - 04:00 PM	45.3	60.9	42.2

Leq Average 24 hrs. (dB(A)) 51.6
Lmax (dB(A)) 75.2
L90 (dB(A)) 42.9
Ldn (dB(A)) 57.6
Bstandard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Bstandard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2545

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

Technical Management

Chontichak
Chonticha Bubongkoch
Scientist (3)

Approved by

Bupot Balamteh
Becion Head

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15059-21/ EMAIL

S:\Reports_Air Noise rpt (9:16AM)



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.

2034/115 26TH Fl. Italthai Towe, New Petchburi Road, Bangkok, Huaykwang, Bangkok Thailand 10310

P/O : RJN-LCB-033/66

Project Name : Laemchabang

Project Location :



TESTING
No.0042

Lot ID: 24110372

Date Received : Nov 06, 2024

Date Reported : Nov 12, 2024

Report Number: 3162925-1

Page 1 of 1

Sample Number 24110372-24
Parameter Noise (Leq 24 hrs.)
Location N4 : ชุมชนบ้านตะเคียนเตี้ยจุดที่ 5
Measurement Date Oct 25 - Oct 29, 2024
Measurement by Banti Chaichana
Sound Level meter Serial No. 233153

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 PM - 05:00 PM	52.2	71.6	43.4
05:00 PM - 06:00 PM	55.4	59.0	43.6
06:00 PM - 07:00 PM	47.6	66.9	41.2
07:00 PM - 08:00 PM	52.2	66.1	49.0
08:00 PM - 09:00 PM	47.3	64.9	43.2
09:00 PM - 10:00 PM	46.3	64.6	43.7
10:00 PM - 11:00 PM	49.4	69.1	42.9
11:00 PM - 12:00 AM	43.4	52.5	42.6
12:00 AM - 01:00 AM	43.6	60.0	42.5
01:00 AM - 02:00 AM	43.6	56.2	42.6
02:00 AM - 03:00 AM	42.6	56.3	41.6
03:00 AM - 04:00 AM	42.5	57.1	41.6
04:00 AM - 05:00 AM	50.2	71.9	40.6
05:00 AM - 06:00 AM	42.5	55.5	40.3
06:00 AM - 07:00 AM	45.5	61.0	42.5
07:00 AM - 08:00 AM	47.9	62.3	43.4
08:00 AM - 09:00 AM	55.5	52.0	45.5
09:00 AM - 10:00 AM	52.1	66.2	45.1
10:00 AM - 11:00 AM	53.7	67.6	45.3
11:00 AM - 12:00 PM	52.2	61.4	46.1
12:00 PM - 01:00 PM	52.9	77.5	45.4
01:00 PM - 02:00 PM	51.3	66.5	45.6
02:00 PM - 03:00 PM	45.2	71.0	41.2
03:00 PM - 04:00 PM	50.6	71.6	47.3

Leq Average 24 hrs. (dB(A)) 51.5
Lmax (dB(A)) 59.0
L90 (dB(A)) 43.2
Ldn (dB(A)) 54.6
Bstandard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Bstandard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2545

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

Technical Management

Chontichak
Chonticha Bubongkoch
Scientist (3)

Approved by

Bupot Balamteh
Becion Head

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S:\Reports_Air Noise rpt (9:16AM)



Analysis / Test Report



TESTING
No.0042

Client : Rojana Industrial Park Public Co., Ltd.

2034/115 26TH Fl. Italthai Towee, New Petchburi Road, Bangkok, Huaykwang, Bangkok Thailand 10310

P/O : RJN-LCB-033/66

Project Name : Laemchabang

Project Location :

Lot ID: 24110372

Date Received : Nov 06, 2024

Date Reported : Nov 12, 2024

Report Number: 3162926-1

Page 1 of 1

Sample Number	24110372-25
Parameter	Noise (Leq 24 hrs.)
Location	N4 : ชุมชนบ้านตะเคียนเตี้ยจุดที่ 5
Measurement Date	Oct 29 - Oct 30, 2024
Measurement by	Santi Chaichana
Sound Level meter	Serial No. 233183

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 PM - 05:00 PM	50.9	81.4	45.8
05:00 PM - 06:00 PM	47.4	76.1	38.3
06:00 PM - 07:00 PM	43.5	65.2	39.6
07:00 PM - 08:00 PM	44.6	65.8	41.1
08:00 PM - 09:00 PM	46.4	74.8	41.2
09:00 PM - 10:00 PM	47.5	71.2	45.0
10:00 PM - 11:00 PM	46.9	73.2	41.2
11:00 PM - 12:00 AM	45.6	68.7	40.6
12:00 AM - 01:00 AM	46.4	69.2	40.3
01:00 AM - 02:00 AM	42.4	59.1	40.4
02:00 AM - 03:00 AM	42.8	62.4	39.5
03:00 AM - 04:00 AM	48.7	69.6	44.2
04:00 AM - 05:00 AM	50.5	80.3	48.6
05:00 AM - 06:00 AM	55.3	80.0	53.6
06:00 AM - 07:00 AM	51.4	76.4	45.4
07:00 AM - 08:00 AM	50.8	72.9	44.9
08:00 AM - 09:00 AM	51.8	67.7	46.3
09:00 AM - 10:00 AM	50.5	81.7	43.9
10:00 AM - 11:00 AM	52.8	65.2	48.0
11:00 AM - 12:00 PM	52.5	71.4	47.8
12:00 PM - 01:00 PM	52.9	71.9	45.0
01:00 PM - 02:00 PM	47.9	69.4	42.1
02:00 PM - 03:00 PM	52.6	69.7	41.4
03:00 PM - 04:00 PM	48.8	71.6	41.1

Leq Average 24 hrs. (dB(A))

50.0

Lmax (dB(A))

81.7

L90 (dB(A))

42.1

Ldn (dB(A))

56.1

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head

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15089-21/ EMAIL

S:\Reports_Air Noise rpt (9 16AM)



Analysis / Test Report



TESTING
No.0042

Client : Rojana Industrial Park Public Co., Ltd.

2034/115 26TH Fl. Italthai Towee, New Petchburi Road, Bangkok, Huaykwang, Bangkok Thailand 10310

P/O : RJN-LCB-033/66

Project Name : Laemchabang

Project Location :

Lot ID: 24110372

Date Received : Nov 06, 2024

Date Reported : Nov 12, 2024

Report Number: 316292f-1

Page 1 of 1

Sample Number	241103f 2-26
Parameter	Noise (Leq 24 hrs.)
Location	N4 : ชุมชนบ้านตะเคียนเตี้ยจุดที่ 5
Measurement Date	Oct 30 - Oct 31, 2024
Measurement by	Santi Chaichana
Sound Level meter	Serial No. 233183

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 PM - 05:00 PM	4f.3	f4.1	38.9
05:00 PM - 06:00 PM	46.1	69.2	38.8
06:00 PM - 07:00 PM	46.f	f2.2	41.2
07:00 PM - 08:00 PM	4f.4	f2.0	43.2
08:00 PM - 09:00 PM	4f.5	69.f	43.4
09:00 PM - 10:00 PM	49.2	f2.6	43.5
10:00 PM - 11:00 PM	44.6	64.2	42.2
11:00 PM - 12:00 AM	43.0	58.2	41.9
12:00 AM - 01:00 AM	4f.0	f4.f	41.0
01:00 AM - 02:00 AM	48.3	f0.0	40.6
02:00 AM - 03:00 AM	49.8	f0.8	40.2
03:00 AM - 04:00 AM	41.4	63.f	40.3
04:00 AM - 05:00 AM	41.9	63.5	40.5
05:00 AM - 06:00 AM	45.2	f3.2	39.6
06:00 AM - 07:00 AM	48.6	f0.8	40.9
07:00 AM - 08:00 AM	4f.0	f0.0	40.9
08:00 AM - 09:00 AM	48.6	f2.2	41.f
09:00 AM - 10:00 AM	5f.2	86.f	43.4
10:00 AM - 11:00 AM	50.6	f0.1	44.5
11:00 AM - 12:00 PM	52.6	68.5	46.f
12:00 PM - 01:00 PM	46.3	65.0	38.f
01:00 PM - 02:00 PM	4f.1	66.6	41.5
02:00 PM - 03:00 PM	48.f	68.f	41.f
03:00 PM - 04:00 PM	46.f	64.1	38.6

Leq Average 24 hrs. (dB(A))

49.0

Lmax (dB(A))

86.f

L90 (dB(A))

41.0

Ldn (dB(A))

53.6

Standard (dB(A))

f0

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head

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S:\Reports_Air Noise rpt (9 16AM)



Analysis / Test Report



TESTING
No.0042

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towee, New Petchburi Road, Bangkok, Huaykwang, Bangkok Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110372
Date Received : Nov 06, 2024
Date Reported : Nov 12, 2024
Report Number: 316292f-1

Page 1 of 1

Sample Number 241103(2-2)
Parameter Noise dLe) 24 hrs.O
Location N4 : ถนนพหลโยธินตัดถนนสุขุมวิท 5
Measurement Date Sct 31 - Nov 01, 2024
Measurement by Banti Chaichana
Sound Level meter Serial No. 2331f3

Time	Le) dBA(A)	Lmax dBA(A)	L90 dBA(A)
04:00 PM - 05:00 PM	53.9	(9.4	3f.6
05:00 PM - 06:00 PM	61.9	f2.5	52.4
06:00 PM - 07:00 PM	44.9	(3.2	39.5
07:00 PM - 08:00 PM	45.2	6f.4	41.1
08:00 PM - 09:00 PM	45.9	(2.4	40.9
09:00 PM - 10:00 PM	43.4	(1.5	39.f
10:00 PM - 11:00 PM	45.6	(0.4	40.5
11:00 PM - 12:00 AM	43.0	69.9	41.2
12:00 AM - 01:00 AM	42.5	64.f	40.2
01:00 AM - 02:00 AM	40.9	62.3	3f.4
02:00 AM - 03:00 AM	40.5	54.3	3f.9
03:00 AM - 04:00 AM	39.3	61.3	3f.0
04:00 AM - 05:00 AM	39.9	56.2	3f.1
05:00 AM - 06:00 AM	42.3	64.4	3f.5
06:00 AM - 07:00 AM	4f.1	6f.5	41.1
07:00 AM - 08:00 AM	50.1	6f.2	42.4
08:00 AM - 09:00 AM	44.4	(0.1	41.6
09:00 AM - 10:00 AM	4f.5	(1.6	40.6
10:00 AM - 11:00 AM	44.4	6f.5	41.0
11:00 AM - 12:00 PM	54.5	f4.5	41.1
12:00 PM - 01:00 PM	55.0	(6.4	4f.f
01:00 PM - 02:00 PM	4f.3	(3.f	40.1
02:00 PM - 03:00 PM	49.5	f6.4	40.4
03:00 PM - 04:00 PM	51.2	(0.4	40.f

Le) Average 24 hrs. dBA(A) 51.4
Lmax dBA(A) f4.5
L90 dBA(A) 40.6
Ldn dBA(A) 53.5
Standard dBA(A) 70
Reference Method : IBS 1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 พ.ศ. 2540 เรื่อง กำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 254f
Remark : The laboratory has been accepted as an accredited laboratory complying with the IBS/IEC 1(025).

Technical Management

Chontichak
Chonticha Subongkoch
Scientist q3O

Approved by

Supot S.
Supot Balamteh
Section Head

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S:\Reports\Air Noise\ rpt (9.16AM)



Analysis / Test Report



TESTING
No.0042

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towee, New Petchburi Road, Bangkok, Huaykwang, Bangkok Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110372
Date Received : Nov 06, 2024
Date Reported : Nov 12, 2024
Report Number: 3162929-1

Page 1 of 1

Sample Number 24110372-2(
Parameter Noise dLe) 24 hrs.O
Location N4 : ถนนพหลโยธินตัดถนนสุขุมวิท 5
Measurement Date Nov 01 - Nov 02, 2024
Measurement by Santi Chaichana
Sound Level meter Serial No. 2331(3

Time	Le) dBA(A)	Lmax dBA(A)	L90 dBA(A)
04:00 Px - 05:00 Px	50.1	71.6	41.4
05:00 Px - 06:00 Px	47.4	64.1	41.1
06:00 Px - 07:00 Px	57.9	74.7	54.9
07:00 Px - 08:00 Px	44.4	65.0	42.2
08:00 Px - 09:00 Px	50.2	79.0	43.4
09:00 Px - 10:00 Px	46.6	70.6	42.4
10:00 Px - 11:00 Px	49.3	72.3	41.5
11:00 Px - 12:00 Ax	42.3	62.7	41.5
12:00 Ax - 01:00 Ax	49.4	74.9	41.5
01:00 Ax - 02:00 Ax	43.2	64.5	40.4
02:00 Ax - 03:00 Ax	41.1	53.5	40.2
03:00 Ax - 04:00 Ax	44.1	64.7	40.1
04:00 Ax - 05:00 Ax	49.4	73.5	40.0
05:00 Ax - 06:00 Ax	43.1	63.3	39.7
06:00 Ax - 07:00 Ax	47.7	64.3	41.3
07:00 Ax - 08:00 Ax	50.6	64.9	44.4
08:00 Ax - 09:00 Ax	50.4	71.4	45.9
09:00 Ax - 10:00 Ax	52.5	74.1	44.3
10:00 Ax - 11:00 Ax	50.4	71.0	46.3
11:00 Ax - 12:00 Px	55.1	79.7	50.4
12:00 Px - 01:00 Px	53.5	72.5	45.6
01:00 Px - 02:00 Px	44.5	70.0	42.7
02:00 Px - 03:00 Px	53.2	74.7	41.9
03:00 Px - 04:00 Px	49.4	72.2	41.7

Le) Average 24 hrs. dBA(A) 50.7
Lmax dBA(A) 79.7
L90 dBA(A) 41.4
Ldn dBA(A) 54.4
Standard dBA(A) 70
Reference Method : ISM1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 พ.ศ. 2540 เรื่อง กำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 254f
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISM/IEC 17025.

Technical Management

Chontichak
Chonticha Subongkoch
Scientist q3O

Approved by

Supot S.
Supot Balamteh
Section Head

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S:\Reports\Air Noise\ rpt (9.17AM)



Analysis / Test Report



TESTING
No.0042

Client : Rojana Industrial Park Public Co., Ltd.

2034/115 26TH Fl. Italthai Towee, New Petchburi Road, Bangkok, Huaykwang, Bangkok Thailand 10310

P/O : RJN-LCB-033/66

Project Name : Laemchabang

Project Location :

Lot ID: 24110372

Date Received : Nov 06, 2024

Date Reported : Nov 12, 2024

Report Number: 3162930-1

Page 1 of 1

Sample Number	24110372-29		
Parameter	Noise (Leq 24 hrs.)		
Location	N5 : ฟาร์มไก่ฟัก (ม.2ตะวันตกเฉียงใต้)		
Measurement Date	Oct 26 - Oct 27, 2024		
Measurement by	Santi Chaichana		
Sound Level meter	Serial No. 1222716		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 PM - 04:00 PM	49.x	x4.1	3x.7
04:00 PM - 05:00 PM	44.4	73.5	39.3
05:00 PM - 06:00 PM	45.2	69.6	43.x
06:00 PM - 07:00 PM	50.4	56.x	49.7
07:00 PM - 0x:00 PM	52.5	57.7	51.5
0x:00 PM - 09:00 PM	54.3	60.5	53.1
09:00 PM - 10:00 PM	52.7	63.2	51.2
10:00 PM - 11:00 PM	50.x	54.x	49.0
11:00 PM - 12:00 AM	49.5	54.2	47.x
12:00 AM - 01:00 AM	49.7	72.5	47.1
01:00 AM - 02:00 AM	4x.0	66.0	44.9
02:00 AM - 03:00 AM	45.9	52.4	44.5
03:00 AM - 04:00 AM	46.x	60.7	45.4
04:00 AM - 05:00 AM	45.7	5x.6	44.6
05:00 AM - 06:00 AM	44.x	5x.0	43.2
06:00 AM - 07:00 AM	44.4	67.2	40.2
07:00 AM - 0x:00 AM	44.7	73.6	40.2
0x:00 AM - 09:00 AM	44.2	73.1	40.7
09:00 AM - 10:00 AM	43.4	53.1	40.6
10:00 AM - 11:00 AM	43.0	57.6	40.1
11:00 AM - 12:00 PM	41.9	55.2	39.1
12:00 PM - 01:00 PM	42.7	65.6	37.x
01:00 PM - 02:00 PM	47.7	x3.6	3x.x
02:00 PM - 03:00 PM	40.3	59.5	3x.6
Leq Average 24 hrs. (dB(A))	4x.4		
Lmax (dB(A))		x4.1	
L90 (dB(A))			43.2
Ldn (dB(A))	54.4		
Standard (dB(A))	70	115	
Reference Method	: ISO1996-1 and 1996-2		
Standard	: 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 254x		
Remark	: The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.		

Technical Management

Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by

Supot Salamteh
Section Head

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Analysis / Test Report



TESTING
No.0042

Client : Rojana Industrial Park Public Co., Ltd.

2034/115 26TH Fl. Italthai Towee, New Petchburi Road, Bangkok, Huaykwang, Bangkok Thailand 10310

P/O : RJN-LCB-033/66

Project Name : Laemchabang

Project Location :

Lot ID: 24110372

Date Received : Nov 06, 2024

Date Reported : Nov 12, 2024

Report Number: 3162931-1

Page 1 of 1

Sample Number	24110372-30		
Parameter	Noise (Leq 24 hrs.)		
Location	N5 : ฟาร์มไก่ฟัก (ม.2ตะวันตกเฉียงใต้)		
Measurement Date	Oct 27 - Oct 28, 2024		
Measurement by	Banti Chaichana		
Sound Level meter	Serial No. 1222716		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 PM - 04:00 PM	41.2	65.0	39.1
04:00 PM - 05:00 PM	42.0	55.5	40.0
05:00 PM - 06:00 PM	45.6	65.1	43.0
06:00 PM - 07:00 PM	45.6	61.5	47.9
07:00 PM - 05:00 PM	49.5	55.6	45.5
05:00 PM - 09:00 PM	51.2	70.4	49.7
09:00 PM - 10:00 PM	49.2	59.4	47.9
10:00 PM - 11:00 PM	45.6	53.6	47.1
11:00 PM - 12:00 AM	56.1	79.5	50.5
12:00 AM - 01:00 AM	47.9	54.1	46.4
01:00 AM - 02:00 AM	45.3	77.5	45.1
02:00 AM - 03:00 AM	49.1	61.5	47.9
03:00 AM - 04:00 AM	50.4	57.4	49.6
04:00 AM - 05:00 AM	50.5	56.0	50.0
05:00 AM - 06:00 AM	49.9	67.3	45.7
06:00 AM - 07:00 AM	50.5	60.9	49.4
07:00 AM - 05:00 AM	50.3	74.7	45.3
05:00 AM - 09:00 AM	49.5	69.4	46.1
09:00 AM - 10:00 AM	49.5	76.0	45.2
10:00 AM - 11:00 AM	46.0	66.6	43.4
11:00 AM - 12:00 PM	43.3	59.9	41.1
12:00 PM - 01:00 PM	46.5	71.9	40.7
01:00 PM - 02:00 PM	45.0	69.0	40.9
02:00 PM - 03:00 PM	41.5	55.0	39.7
Leq Average 24 hrs. (dB(A))	49.3		
Lmax (dB(A))		79.5	
L90 (dB(A))			46.4
Ldn (dB(A))	57.0		
Standard (dB(A))	70	115	
Reference Method	: ISO1996-1 and 1996-2		
Standard	: 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2545		
Remark	: The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.		

Technical Management

Chontichak
Chonticha Bubongkoch
Scientist (3)

Approved by

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (9. 17AM)



Analysis / Test Report



TESTING
No.0042

Client : Rojana Industrial Park Public Co., Ltd.

2034/115 26TH Fl. Italthai Towe, New Petchburi Road, Bangkok, Huaykwang, Bangkok Thailand 10310

P/O : RJN-LCB-033/66

Project Name : Laemchabang

Project Location :

Lot ID: 24110372

Date Received : Nov 06, 2024

Date Reported : Nov 12, 2024

Report Number: 3162932-1

Page 1 of 1

Sample Number 24110372-31
Parameter Noise (Leq 24 hrs.)
Location N5 : ฟาร์มไก่ฟิจ (ม.2ทะเลเตยเดิม)
Measurement Date Oct 25 - Oct 29, 2024
Measurement by Banti Chaichana
Sound Level meter Serial No. 1222716

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 PM - 04:00 PM	46.4	65.5	35.7
04:00 PM - 05:00 PM	45.6	65.9	40.5
05:00 PM - 06:00 PM	46.7	71.0	44.5
06:00 PM - 07:00 PM	52.5	73.1	49.3
07:00 PM - 08:00 PM	51.4	64.5	50.4
08:00 PM - 09:00 PM	51.4	64.3	53.5
09:00 PM - 10:00 PM	53.5	56.5	52.6
10:00 PM - 11:00 PM	51.0	67.2	50.0
11:00 PM - 12:00 AM	49.3	57.4	45.3
12:00 AM - 01:00 AM	47.5	55.4	46.6
01:00 AM - 02:00 AM	47.5	55.4	46.5
02:00 AM - 03:00 AM	45.4	52.5	47.4
03:00 AM - 04:00 AM	49.4	54.5	47.9
04:00 AM - 05:00 AM	45.9	53.7	47.6
05:00 AM - 06:00 AM	49.9	70.6	47.4
06:00 AM - 07:00 AM	51.1	73.4	47.9
07:00 AM - 08:00 AM	46.5	66.9	42.7
08:00 AM - 09:00 AM	42.5	69.6	35.5
09:00 AM - 10:00 AM	44.9	77.4	35.6
10:00 AM - 11:00 AM	45.5	74.7	35.1
11:00 AM - 12:00 PM	39.6	62.5	36.7
12:00 PM - 01:00 PM	39.0	59.7	36.5
01:00 PM - 02:00 PM	46.6	73.3	37.1
02:00 PM - 03:00 PM	51.9	77.4	35.2

Leq Average 24 hrs. (dB(A)) 49.4
Lmax (dB(A)) 77.4
L90 (dB(A)) 46.5
Ldn (dB(A)) 55.5
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2545

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Balamteh
Section Head

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150x9-21/ EMAIL



Analysis / Test Report



TESTING
No.0042

Client : Rojana Industrial Park Public Co., Ltd.

2034/115 26TH Fl. Italthai Towe, New Petchburi Road, Bangkok, Huaykwang, Bangkok Thailand 10310

P/O : RJN-LCB-033/66

Project Name : Laemchabang

Project Location :

Lot ID: 24110372

Date Received : Nov 06, 2024

Date Reported : Nov 12, 2024

Report Number: 3162933-1

Page 1 of 1

Sample Number 24110372-32
Parameter Noise (Leq 24 hrs.)
Location N5 : ฟาร์มไก่ฟิจ (ม.2ทะเลเตยเดิม)
Measurement Date Oct 29 - Oct 30, 2024
Measurement by Santi Chaichana
Sound Level meter Serial No. 1222716

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 PM - 04:00 PM	47.1	76.9	41.1
04:00 PM - 05:00 PM	50.3	66.6	4x.x
05:00 PM - 06:00 PM	50.9	55.9	50.0
06:00 PM - 07:00 PM	51.4	63.2	50.7
07:00 PM - 08:00 PM	51.6	57.7	50.9
08:00 PM - 09:00 PM	4x.9	6x.2	47.6
09:00 PM - 10:00 PM	46.0	54.4	45.0
10:00 PM - 11:00 PM	4x.0	56.9	46.x
11:00 PM - 12:00 AM	46.7	61.2	45.4
12:00 AM - 01:00 AM	49.6	70.9	46.7
01:00 AM - 02:00 AM	46.9	65.2	45.1
02:00 AM - 03:00 AM	49.4	65.3	47.9
03:00 AM - 04:00 AM	49.3	73.3	47.1
04:00 AM - 05:00 AM	4x.9	73.7	46.x
05:00 AM - 06:00 AM	49.4	77.7	45.x
06:00 AM - 07:00 AM	4x.6	76.5	42.0
07:00 AM - 08:00 AM	44.2	60.1	39.x
08:00 AM - 09:00 AM	42.4	67.2	37.7
09:00 AM - 10:00 AM	45.4	74.0	36.0
10:00 AM - 11:00 AM	41.5	64.2	36.7
11:00 AM - 12:00 PM	3x.1	5x.5	36.5
12:00 PM - 01:00 PM	3x.9	60.1	36.1
01:00 PM - 02:00 PM	44.4	67.x	36.2
02:00 PM - 03:00 PM	47.3	73.9	39.3

Leq Average 24 hrs. (dB(A)) 4x.0
Lmax (dB(A)) 77.7
L90 (dB(A)) 45.1
Ldn (dB(A)) 54.9
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 254x

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Balamteh
Section Head

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S:\Reports_Air Noise.rpt (9:17AM)



Analysis / Test Report



TESTING
No.0042

Client : Rojana Industrial Park Public Co., Ltd.

2034/115 26TH Fl. Italthai Towre, New Petchburi Road, Bangkapi, Huaykwang, Bangkok Thailand 10310

P/O : RJN-LCB-033/66

Project Name : Laemchabang

Project Location :

Lot ID: 24110372

Date Received : Nov 06, 2024

Date Reported : Nov 12, 2024

Report Number: 3162934-1

Page 1 of 1

Sample Number	24110372-33
Parameter	Noise (Leq 24 hrs.)
Location	N5 : ฟาร์มไก่ฟ้า (ม.2ตะเคียนเตี้ย)
Measurement Date	Oct 30 - Oct 31, 2024
Measurement by	Santi Chaichana
Sound Level meter	Serial No. 1222716

Time	Leq (dB(A))	Lma8 (dB(A))	L90 (dB(A))
03:00 PM - 04:00 PM	46.5	60.4	44.4
04:00 PM - 05:00 PM	49.6	62.0	4x.7
05:00 PM - 06:00 PM	50.7	63.4	50.1
06:00 PM - 07:00 PM	53.3	63.4	51.5
07:00 PM - 0x:00 PM	51.9	64.9	50.2
0x:00 PM - 09:00 PM	4x.7	55.3	47.x
09:00 PM - 10:00 PM	46.9	57.1	45.5
10:00 PM - 11:00 PM	51.0	54.x	49.4
11:00 PM - 12:00 AM	50.5	56.4	4x.7
12:00 AM - 01:00 AM	51.2	60.6	49.4
01:00 AM - 02:00 AM	49.3	54.9	47.x
02:00 AM - 03:00 AM	4x.2	53.9	46.9
03:00 AM - 04:00 AM	49.3	67.x	47.2
04:00 AM - 05:00 AM	47.2	6x.3	44.3
05:00 AM - 06:00 AM	44.0	64.3	40.0
06:00 AM - 07:00 AM	44.4	66.7	41.5
07:00 AM - 0x:00 AM	43.x	6x.0	37.6
0x:00 AM - 09:00 AM	45.2	69.4	37.x
09:00 AM - 10:00 AM	41.4	62.7	36.6
10:00 AM - 11:00 AM	41.0	66.2	35.4
11:00 AM - 12:00 PM	39.2	60.1	36.4
12:00 PM - 01:00 PM	40.2	62.9	36.9
01:00 PM - 02:00 PM	40.7	62.1	37.0
02:00 PM - 03:00 PM	43.x	67.4	3x.4

Leq Average 24 hrs. (dB(A))

4x.2

Lma8 (dB(A))

69.4

L90 (dB(A))

44.4

Ldn (dB(A))

55.2

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 254x

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head

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ISOx9-21/ EMAIL

S:\Reports_Air Noise rpt (9 :17AM)



Analysis / Test Report



TESTING
No.0042

Client : Rojana Industrial Park Public Co., Ltd.

2034/115 26TH Fl. Italthai Towre, New Petchburi Road, Bangkapi, Huaykwang, Bangkok Thailand 10310

P/O : RJN-LCB-033/66

Project Name : Laemchabang

Project Location :

Lot ID: 24110372

Date Received : Nov 06, 2024

Date Reported : Nov 12, 2024

Report Number: 3162935-1

Page 1 of 1

Sample Number	24110372-34
Parameter	Noise (Leq 24 hrs.)
Location	N5 : ฟาร์มไก่ฟ้า (ม.2ตะเคียนเตี้ย)
Measurement Date	Oct 31 - Nov 01, 2024
Measurement by	Santi Chaichana
Sound Level meter	Serial No. 1222716

Time	Leq (dB(A))	Lma8 (dB(A))	L90 (dB(A))
03:00 PM - 04:00 PM	44.6	69.3	40.3
04:00 PM - 05:00 PM	49.4	67.2	4x.1
05:00 PM - 06:00 PM	49.2	5x.3	4x.6
06:00 PM - 07:00 PM	4x.5	62.2	47.7
07:00 PM - 0x:00 PM	47.4	57.7	46.2
0x:00 PM - 09:00 PM	4x.0	65.x	46.7
09:00 PM - 10:00 PM	47.7	54.5	46.x
10:00 PM - 11:00 PM	47.x	57.x	46.4
11:00 PM - 12:00 AM	45.5	5x.0	44.0
12:00 AM - 01:00 AM	45.0	51.0	43.x
01:00 AM - 02:00 AM	45.6	53.1	44.3
02:00 AM - 03:00 AM	46.1	57.3	44.9
03:00 AM - 04:00 AM	47.1	5x.1	45.4
04:00 AM - 05:00 AM	4x.4	60.7	47.0
05:00 AM - 06:00 AM	44.x	60.x	41.7
06:00 AM - 07:00 AM	41.7	52.9	39.2
07:00 AM - 0x:00 AM	41.1	5x.2	3x.6
0x:00 AM - 09:00 AM	41.3	53.9	37.9
09:00 AM - 10:00 AM	3x.5	36.x	36.3
10:00 AM - 11:00 AM	3x.9	55.7	37.0
11:00 AM - 12:00 PM	39.0	54.6	37.4
12:00 PM - 01:00 PM	41.4	75.0	3x.3
01:00 PM - 02:00 PM	44.0	61.3	42.1
02:00 PM - 03:00 PM	47.3	67.9	44.9

Leq Average 24 hrs. (dB(A))

46.0

Lma8 (dB(A))

75.0

L90 (dB(A))

44.0

Ldn (dB(A))

52.5

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 254x

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head

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ISOx9-21/ EMAIL

S:\Reports_Air Noise rpt (9 :18AM)



Analysis / Test Report



TESTING
No.0042

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towe, New Petchburi Road, Bangkok, Huaykwang, Bangkok Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110372
Date Received : Nov 06, 2024
Date Reported : Nov 12, 2024
Report Number: 3162936-1

Page 1 of 1

Sample Number : 24110372-35
Parameter : Noise (Leq 24 hrs.)
Location : N5 : ฟาร์มไก่ฟัก (ม.2ตระเคียนเตี้ย)
Measurement Date : Nov 01 - Nov 02, 2024
Measurement by : Canti Chalchana
Sound Level meter : Cerial No. 1222716

Time	Leq (dB(A))	LmaS (dB(A))	L90 (dB(A))
03:00 Px - 04:00 Px	49.1	78.3	44.9
04:00 Px - 05:00 Px	50.0	57.9	49.0
05:00 Px - 06:00 Px	50.3	58.3	49.5
06:00 Px - 07:00 Px	49.8	60.3	48.8
07:00 Px - 08:00 Px	48.1	52.2	47.4
08:00 Px - 09:00 Px	48.6	57.0	47.7
09:00 Px - 10:00 Px	48.5	59.1	47.4
10:00 Px - 11:00 Px	48.3	61.8	46.6
11:00 Px - 12:00 Ax	47.0	51.8	46.1
12:00 Ax - 01:00 Ax	47.0	54.1	45.5
01:00 Ax - 02:00 Ax	45.9	58.0	44.4
02:00 Ax - 03:00 Ax	45.6	54.5	44.6
03:00 Ax - 04:00 Ax	47.7	65.2	46.0
04:00 Ax - 05:00 Ax	47.5	69.0	46.0
05:00 Ax - 06:00 Ax	49.0	71.6	46.2
06:00 Ax - 07:00 Ax	50.7	72.3	48.5
07:00 Ax - 08:00 Ax	48.1	67.3	46.3
08:00 Ax - 09:00 Ax	48.4	73.1	44.9
09:00 Ax - 10:00 Ax	45.3	61.3	41.3
10:00 Ax - 11:00 Ax	43.4	68.4	38.6
11:00 Ax - 12:00 Px	46.6	75.2	37.2
12:00 Px - 01:00 Px	42.6	65.4	38.0
01:00 Px - 02:00 Px	39.3	59.7	37.6
02:00 Px - 03:00 Px	40.1	61.3	37.3

Leq Average 24 hrs. (dB(A)) : 47.7
LmaS (dB(A)) : 78.3
L90 (dB(A)) : 46.0
Ldn (dB(A)) : 54.3
Oandard (dB(A)) : 70 115

Reference x ethod : ICM1996-1 and 1996-2

Oandard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

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

Technical Management

Chontichak
Chonticha Oubongkoch
Ocientist (3)

Approved by

Supt S
Oupot Oalamteh
Oection Head

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ระดับเสียงพื้นฐานราย 5 นาที

Analysis / Test Report

Client : Rajana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110374
Date Received :Nov 06, 2024
Date Reported :Nov 11, 2024
Report Number :J161903-1

Page 1 of 3

Sample Number

Parameter

Location

Measurement Date

Measurement by

Sound Level Meter

24110374-1

Noise Level (Leq 5 min)

N1 : บ้านสวน/สวนสาธารณะ 2

Oct 26 - 07, 2024

Santi Chachana

Serial No. 0223134

Oct 26, 2024	Leq		L90	Oct 26, 2024		Leq		L90	Oct 26, 2024		Leq		L90
	Time			Time			Time						
04:00 PM - 04:05 PM	51.1	44.4	46.4	06:40 PM - 06:45 PM	48.9	45.8		09:20 PM - 09:25 PM	48.1	45.8		45.8	
04:05 PM - 04:10 PM	47.2	43.4	46.4	06:45 PM - 06:50 PM	57.4	46.0		09:25 PM - 09:30 PM	48.2	45.7		46.1	
04:10 PM - 04:15 PM	46.2	43.6	46.4	06:50 PM - 06:55 PM	40.1	46.9		09:30 PM - 09:35 PM	47.6	46.5		45.7	
04:15 PM - 04:20 PM	46.1	42.9	46.4	06:55 PM - 07:00 PM	41.2	45.6		09:35 PM - 09:40 PM	47.2	46.4		46.1	
04:20 PM - 04:25 PM	46.4	43.1	46.4	07:00 PM - 07:05 PM	47.4	45.9		09:40 PM - 09:45 PM	46.6	45.6		45.6	
04:25 PM - 04:30 PM	46.4	43.1	46.4	07:05 PM - 07:10 PM	50.0	45.4		09:45 PM - 09:50 PM	46.5	45.4		45.4	
04:30 PM - 04:35 PM	44.3	44.3	46.4	07:10 PM - 07:15 PM	48.0	45.3		09:50 PM - 09:55 PM	46.0	44.8		44.8	
04:35 PM - 04:40 PM	48.1	44.7	46.4	07:15 PM - 07:20 PM	46.2	45.4		09:55 PM - 10:00 PM	45.3	45.0		44.5	
04:40 PM - 04:45 PM	47.2	44.3	46.4	07:20 PM - 07:25 PM	46.0	45.4		10:00 PM - 10:05 PM	45.5	43.0		43.0	
04:45 PM - 04:50 PM	47.6	46.7	46.4	07:25 PM - 07:30 PM	41.2	45.6		10:05 PM - 10:10 PM	44.8	42.5		42.5	
04:50 PM - 04:55 PM	46.3	46.2	46.4	07:30 PM - 07:35 PM	46.0	45.4		10:10 PM - 10:15 PM	48.1	45.0		45.0	
04:55 PM - 05:00 PM	50.7	42.8	46.4	07:35 PM - 07:40 PM	47.3	46.7		10:15 PM - 10:20 PM	43.9	42.0		42.0	
05:00 PM - 05:05 PM	43.3	42.0	46.4	07:40 PM - 07:45 PM	48.4	47.1		10:20 PM - 10:25 PM	42.3	40.6		40.6	
05:05 PM - 05:10 PM	42.9	44.4	46.4	07:45 PM - 07:50 PM	47.2	46.4		10:25 PM - 10:30 PM	43.1	41.9		41.9	
05:10 PM - 05:15 PM	42.7	44.0	46.4	07:50 PM - 07:55 PM	47.7	46.9		10:30 PM - 10:35 PM	43.0	41.6		41.6	
05:15 PM - 05:20 PM	43.9	40.5	46.4	07:55 PM - 08:00 PM	47.0	46.2		10:35 PM - 10:40 PM	43.3	41.2		41.2	
05:20 PM - 05:25 PM	45.7	40.6	46.4	08:00 PM - 08:05 PM	45.5	46.0		10:40 PM - 10:45 PM	42.4	41.0		41.0	
05:25 PM - 05:30 PM	45.2	40.4	46.4	08:05 PM - 08:10 PM	48.9	46.3		10:45 PM - 10:50 PM	42.7	40.9		40.9	
05:30 PM - 05:35 PM	43.9	42.3	46.4	08:10 PM - 08:15 PM	53.7	46.5		10:50 PM - 10:55 PM	44.6	41.6		41.6	
05:35 PM - 05:40 PM	44.5	43.1	46.4	08:15 PM - 08:20 PM	49.5	46.3		10:55 PM - 11:00 PM	47.6	42.5		42.5	
05:40 PM - 05:45 PM	48.4	43.7	46.4	08:20 PM - 08:25 PM	46.7	46.1		11:00 PM - 11:05 PM	44.0	41.6		41.6	
05:45 PM - 05:50 PM	43.6	43.6	46.4	08:25 PM - 08:30 PM	47.1	45.8		11:05 PM - 11:10 PM	43.5	40.3		40.3	
05:50 PM - 05:55 PM	44.7	43.7	46.4	08:30 PM - 08:35 PM	46.7	45.8		11:10 PM - 11:15 PM	43.1	40.1		40.1	
05:55 PM - 06:00 PM	48.5	44.3	46.4	08:35 PM - 08:40 PM	46.7	45.8		11:15 PM - 11:20 PM	41.4	40.5		40.5	
06:00 PM - 06:05 PM	47.9	44.3	46.4	08:40 PM - 08:45 PM	47.2	46.1		11:20 PM - 11:25 PM	42.2	40.8		40.8	
06:05 PM - 06:10 PM	47.2	44.3	46.4	08:45 PM - 08:50 PM	48.5	46.1		11:25 PM - 11:30 PM	41.7	40.6		40.6	
06:10 PM - 06:15 PM	50.3	45.5	46.4	08:50 PM - 08:55 PM	46.5	45.7		11:30 PM - 11:35 PM	41.4	40.2		40.2	
06:15 PM - 06:20 PM	46.4	44.4	46.4	08:55 PM - 09:00 PM	46.7	45.8		11:35 PM - 11:40 PM	41.0	39.7		39.7	
06:20 PM - 06:25 PM	49.4	45.1	46.4	09:00 PM - 09:05 PM	46.7	45.6		11:40 PM - 11:45 PM	42.2	40.1		40.1	
06:25 PM - 06:30 PM	44.2	43.5	46.4	09:05 PM - 09:10 PM	47.6	46.1		11:45 PM - 11:50 PM	43.5	39.8		39.8	
06:30 PM - 06:35 PM	47.7	44.5	46.4	09:10 PM - 09:15 PM	46.3	45.5		11:50 PM - 11:55 PM	42.7	39.9		39.9	
06:35 PM - 06:40 PM	46.8	44.9	46.4	09:15 PM - 09:20 PM	46.4	45.5		11:55 PM - 12:00 AM	44.1	40.2		40.2	

Approved by _____
Sarayuth Jitranont
Assistant General Manager

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

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E-mail: info@aksolocal.com Web: www.aksolocal.com



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10110

P/O : RJN-LCB-033/66

Project Name : Laemchabang

Project Location :

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161933-1

Page 3 of 3

Sample Number		24110374-1									
Parameter		Noise Level (Leq 5 min)									
Location		N1 : ចាប់ផ្តើមការសាងសង់ផ្លូវថ្នល់ ២									
Measurement Date		06 - 02 - 27, 2024									
Measurement by		Sanit Chhakheay									
Sound Level Meter		Serial No. 00223184									
Oct 27, 2024		Leq	L90	Oct 27, 2024		Leq	L90	Oct 27, 2024		Leq	L90
Time		#(dB)	#(dB)	Time		#(dB)	#(dB)	Time		#(dB)	#(dB)
04:00 AM - 04:05 AM	45.3	49.0	10:40 AM - 10:45 AM	46.1	50.8	01:20 PM - 01:25 PM	44.4	48.4			
04:05 AM - 04:10 AM	44.8	39.0	10:45 AM - 10:50 AM	46.5	40.2	01:25 PM - 01:30 PM	44.4	39.8			
04:10 AM - 04:15 AM	46.4	40.5	10:50 AM - 10:55 AM	48.4	42.4	01:30 PM - 01:35 PM	43.6	39.2			
04:15 AM - 04:20 AM	45.0	41.0	10:55 AM - 11:00 AM	48.7	43.1	01:35 PM - 01:40 PM	42.3	39.1			
04:20 AM - 04:25 AM	45.0	35.4	11:00 AM - 11:05 AM	49.4	42.6	01:40 PM - 01:45 PM	42.6	36.1			
04:25 AM - 04:30 AM	45.6	41.1	11:05 AM - 11:10 AM	47.4	41.8	01:45 PM - 01:50 PM	45.3	40.0			
04:30 AM - 04:35 AM	45.5	39.7	11:10 AM - 11:15 AM	48.8	38.4	01:50 PM - 01:55 PM	43.9	39.1			
04:35 AM - 04:40 AM	42.9	38.8	11:15 AM - 11:20 AM	45.6	41.1	01:55 PM - 02:00 PM	37.9	38.4			
04:40 AM - 04:45 AM	44.9	40.3	11:20 AM - 11:25 AM	46.9	39.8	02:00 PM - 02:05 PM	43.5	39.6			
04:45 AM - 04:50 AM	47.5	40.5	11:25 AM - 11:30 AM	46.4	39.0	02:05 PM - 02:10 PM	43.1	39.7			
04:50 AM - 04:55 AM	45.5	39.8	11:30 AM - 11:35 AM	46.1	40.6	02:10 PM - 02:15 PM	46.2	37.2			
04:55 AM - 05:00 AM	46.3	42.3	11:35 AM - 11:40 AM	45.2	39.5	02:15 PM - 02:20 PM	42.5	38.5			
05:00 AM - 05:05 AM	44.4	40.4	11:40 AM - 11:45 AM	45.2	39.7	02:20 PM - 02:25 PM	44.7	39.1			
05:05 AM - 05:10 AM	44.8	39.5	11:45 AM - 11:50 AM	45.3	39.2	02:25 PM - 02:30 PM	41.8	37.7			
05:10 AM - 05:15 AM	48.3	40.8	11:50 AM - 11:55 AM	44.8	39.4	02:30 PM - 02:35 PM	44.3	39.3			
05:15 AM - 05:20 AM	46.0	41.2	11:55 AM - 12:00 PM	45.3	39.7	02:35 PM - 02:40 PM	44.1	39.8			
05:20 AM - 05:25 AM	46.2	39.9	12:00 PM - 12:05 PM	45.9	40.1	02:40 PM - 02:45 PM	43.6	40.4			
05:25 AM - 05:30 AM	45.6	40.6	12:05 PM - 12:10 PM	44.1	38.8	02:45 PM - 02:50 PM	44.1	39.8			
05:30 AM - 05:35 AM	44.1	38.0	12:10 PM - 12:15 PM	45.1	39.7	02:50 PM - 02:55 PM	42.7	38.5			
05:35 AM - 05:40 AM	41.5	37.8	12:15 PM - 12:20 PM	44.1	37.5	02:55 PM - 03:00 PM	42.1	39.2			
05:40 AM - 05:45 AM	45.3	40.9	12:20 PM - 12:25 PM	45.6	37.6	03:00 PM - 03:05 PM	42.1	40.1			
05:45 AM - 05:50 AM	44.7	39.2	12:25 PM - 12:30 PM	41.8	37.3	03:05 PM - 03:10 PM	42.4	38.9			
05:50 AM - 05:55 AM	45.9	40.0	12:30 PM - 12:35 PM	38.1	37.0	03:10 PM - 03:15 PM	42.1	40.1			
05:55 AM - 06:00 AM	42.6	38.2	12:35 PM - 12:40 PM	40.3	37.5	03:15 PM - 03:20 PM	41.6	40.3			
06:00 AM - 06:05 AM	45.9	41.2	12:40 PM - 12:45 PM	41.7	37.7	03:20 PM - 03:25 PM	40.3	39.5			
06:05 AM - 06:10 AM	44.2	39.8	12:45 PM - 12:50 PM	41.1	35.8	03:25 PM - 03:30 PM	42.8	40.0			
06:10 AM - 06:15 AM	44.2	39.7	12:50 PM - 12:55 PM	40.1	36.3	03:30 PM - 03:35 PM	41.6	40.4			
06:15 AM - 06:20 AM	42.0	40.2	12:55 PM - 01:00 PM	40.0	37.7	03:35 PM - 03:40 PM	41.7	40.8			
06:20 AM - 06:25 AM	52.0	41.2	01:00 PM - 01:05 PM	35.6	35.6	03:40 PM - 03:45 PM	41.8	40.9			
06:25 AM - 06:30 AM	44.9	40.3	01:05 PM - 01:10 PM	45.2	35.4	03:45 PM - 03:50 PM	41.7	41.0			
06:30 AM - 06:35 AM	47.6	39.7	01:10 PM - 01:15 PM	40.0	38.7	03:50 PM - 03:55 PM	45.2	42.5			
06:35 AM - 06:40 AM	45.2	39.8	01:15 PM - 01:20 PM	42.9	37.4	03:55 PM - 04:00 PM	45.9	42.6			

Approved by _____
Sarayuth Jitranont
Assistant General Manager

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 www.labdarto.com



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2039/115 26TH Fl, 3rdthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310

P/O : RJN-LCB-032/66

Project Name : Laemchabang

Project Location :

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161933-1

Page 2 of 3

Sample Number

Parameter

Location

Measurement Date

Measurement by

Sound Level meter

24110374.1

Noise Level (Leq 5 min)

M3 : สวนพฤกษศาสตร์ดงอี

Oct 26 - Oct 27, 2024

Savit Chachanya

Serial No. 00232314

Oct 27, 2024		Leq	L90	Oct 27, 2024		Leq	L90	Oct 27, 2024		Leq	L90
Time		dB(A)	dB(A)	Time		dB(A)	dB(A)	Time		dB(A)	dB(A)
12:00 AM - 12:05 AM	40.4	39.4	02:40 AM - 02:45 AM	39.5	38.4	05:20 AM - 05:25 AM	43.2	38.6			
12:05 AM - 12:10 AM	43.4	40.4	02:45 AM - 02:50 AM	41.7	39.3	05:25 AM - 05:30 AM	45.4	43.2			
12:10 AM - 12:15 AM	41.4	39.6	02:50 AM - 02:55 AM	39.9	37.9	05:30 AM - 05:35 AM	40.0	37.9			
12:15 AM - 12:20 AM	42.0	39.8	02:55 AM - 03:00 AM	39.9	38.8	05:35 AM - 05:40 AM	38.0	37.7			
12:20 AM - 12:25 AM	39.3	38.0	03:00 AM - 03:05 AM	39.6	38.5	05:40 AM - 05:45 AM	40.9	38.8			
12:25 AM - 12:30 AM	40.0	39.4	03:05 AM - 03:10 AM	38.7	37.4	05:45 AM - 05:50 AM	39.1	38.3			
12:30 AM - 12:35 AM	38.8	37.7	03:10 AM - 03:15 AM	39.3	36.1	05:50 AM - 05:55 AM	39.5	38.1			
12:35 AM - 12:40 AM	45.0	39.3	03:15 AM - 03:20 AM	41.7	38.4	05:55 AM - 06:00 AM	37.9	36.8			
12:40 AM - 12:45 AM	49.9	40.2	03:20 AM - 03:25 AM	38.0	36.7	06:00 AM - 06:05 AM	39.2	37.7			
12:45 AM - 12:50 AM	38.6	38.7	03:25 AM - 03:30 AM	39.0	37.5	06:05 AM - 06:10 AM	45.8	38.3			
12:50 AM - 12:55 AM	41.7	40.0	03:30 AM - 03:35 AM	39.3	37.8	06:10 AM - 06:15 AM	39.3	38.0			
12:55 AM - 01:00 AM	40.1	38.4	03:35 AM - 03:40 AM	39.3	37.8	06:15 AM - 06:20 AM	41.1	38.8			
01:00 AM - 01:05 AM	38.9	37.9	03:40 AM - 03:45 AM	39.5	37.8	06:20 AM - 06:25 AM	40.1	38.1			
01:05 AM - 01:10 AM	42.6	39.5	03:45 AM - 03:50 AM	38.6	37.9	06:25 AM - 06:30 AM	45.7	39.0			
01:10 AM - 01:15 AM	43.2	39.4	03:50 AM - 03:55 AM	40.2	38.4	06:30 AM - 06:35 AM	40.2	38.2			
01:15 AM - 01:20 AM	46.0	38.9	03:55 AM - 04:00 AM	38.6	37.9	06:35 AM - 06:40 AM	44.1	40.2			
01:20 AM - 01:25 AM	43.5	42.5	04:00 AM - 04:05 AM	38.6	38.0	06:40 AM - 06:45 AM	45.0	40.2			
01:25 AM - 01:30 AM	40.0	38.3	04:05 AM - 04:10 AM	38.5	37.9	06:45 AM - 06:50 AM	43.5	40.5			
01:30 AM - 01:35 AM	38.1	36.9	04:10 AM - 04:15 AM	39.2	38.4	06:50 AM - 06:55 AM	41.6	39.7			
01:35 AM - 01:40 AM	38.9	37.0	04:15 AM - 04:20 AM	39.0	38.4	06:55 AM - 07:00 AM	42.0	39.4			
01:40 AM - 01:45 AM	37.8	36.8	04:20 AM - 04:25 AM	39.0	38.4	07:00 AM - 07:05 AM	40.6	39.1			
01:45 AM - 01:50 AM	41.4	37.0	04:25 AM - 04:30 AM	40.1	38.6	07:05 AM - 07:10 AM	45.8	40.6			
01:50 AM - 01:55 AM	41.8	36.7	04:30 AM - 04:35 AM	39.3	38.2	07:10 AM - 07:15 AM	46.7	40.1			
01:55 AM - 02:00 AM	42.1	36.7	04:35 AM - 04:40 AM	40.5	38.7	07:15 AM - 07:20 AM	46.3	40.7			
02:00 AM - 02:05 AM	34.3	36.9	04:40 AM - 04:45 AM	42.2	39.8	07:20 AM - 07:25 AM	41.6	39.5			
02:05 AM - 02:10 AM	47.6	44.0	04:45 AM - 04:50 AM	40.6	37.6	07:25 AM - 07:30 AM	42.0	39.7			
02:10 AM - 02:15 AM	39.8	38.7	04:50 AM - 04:55 AM	38.2	37.3	07:30 AM - 07:35 AM	43.2	40.3			
02:15 AM - 02:20 AM	41.7	39.5	04:55 AM - 05:00 AM	38.5	37.7	07:35 AM - 07:40 AM	40.9	38.0			
02:20 AM - 02:25 AM	46.9	40.9	05:00 AM - 05:05 AM	38.3	36.9	07:40 AM - 07:45 AM	44.1	40.2			
02:25 AM - 02:30 AM	38.5	37.7	05:05 AM - 05:10 AM	39.8	37.8	07:45 AM - 07:50 AM	44.3	39.8			
02:30 AM - 02:35 AM	37.0	37.0	05:10 AM - 05:15 AM	38.6	37.8	07:50 AM - 07:55 AM	48.4	41.1			
02:35 AM - 02:40 AM	39.2	37.2	05:15 AM - 05:20 AM	38.8	37.8	07:55 AM - 08:00 AM	45.1	41.6			

Approved by _____
Sarayuth Jittranont
Assistant General Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Itthalai Tove, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110374
Date Received :Nov 06, 2024
Date Reported :Nov 11, 2024
Report Number :3161934-1

Page 1 of 3

Sample Number		24110374-2		Sample Number		24110374-2	
Parameter		Noise Level (Leq 5 min)		Parameter		Noise Level (Leq 5 min)	
Location		N1 : อาคารหอพักหญิงตึก 2		Location		N1 : อาคารหอพักหญิงตึก 2	
Measurement Date		Oct 27 - Oct 28, 2024		Measurement Date		Oct 27 - Oct 28, 2024	
Measurement by		Santi Chachana		Measurement by		Santi Chachana	
Sound Level meter		Serial No. 00231814		Sound Level meter		Serial No. 00231814	
Oct 27, 2024		Leq		Oct 27, 2024		L90	
Time		dB(A)		Time		dB(A)	
04:30 PM - 04:05 PM	Leq	54.2	43.3	06:40 PM - 06:15 PM	Leq	52.7	46.3
04:05 PM - 04:10 PM	Leq	53.7	47.3	06:15 PM - 06:50 PM	Leq	46.6	48.1
04:10 PM - 04:15 PM	Leq	55.9	51.4	06:50 PM - 06:55 PM	Leq	49.2	49.2
04:15 PM - 04:20 PM	Leq	46.3	41.2	06:55 PM - 07:00 PM	Leq	55.8	48.1
04:20 PM - 04:25 PM	Leq	47.4	46.1	07:00 PM - 07:05 PM	Leq	52.4	46.3
04:25 PM - 04:30 PM	Leq	47.2	41.1	07:05 PM - 07:10 PM	Leq	53.1	46.6
04:30 PM - 04:35 PM	Leq	49.8	41.0	07:10 PM - 07:15 PM	Leq	59.1	48.1
04:35 PM - 04:40 PM	Leq	58.1	41.3	07:15 PM - 07:20 PM	Leq	56.7	47.8
04:40 PM - 04:45 PM	Leq	56.7	41.3	07:20 PM - 07:25 PM	Leq	58.1	48.1
04:45 PM - 04:50 PM	Leq	57.1	41.1	07:25 PM - 07:30 PM	Leq	51.8	46.2
04:50 PM - 04:55 PM	Leq	48.4	41.1	07:30 PM - 07:35 PM	Leq	53.2	47.7
04:55 PM - 05:00 PM	Leq	47.9	42.0	07:35 PM - 07:40 PM	Leq	52.2	47.6
05:00 PM - 05:05 PM	Leq	41.2	41.9	07:40 PM - 07:45 PM	Leq	51.5	47.9
05:05 PM - 05:10 PM	Leq	50.1	42.7	07:45 PM - 07:50 PM	Leq	59.8	47.5
05:10 PM - 05:15 PM	Leq	49.0	43.3	07:50 PM - 07:55 PM	Leq	49.7	46.2
05:15 PM - 05:20 PM	Leq	60.5	43.3	07:55 PM - 08:00 PM	Leq	50.5	46.5
05:20 PM - 05:25 PM	Leq	51.9	42.5	08:00 PM - 08:05 PM	Leq	50.1	46.5
05:25 PM - 05:30 PM	Leq	56.3	43.5	08:05 PM - 08:10 PM	Leq	50.3	46.4
05:30 PM - 05:35 PM	Leq	53.2	42.9	08:10 PM - 08:15 PM	Leq	51.7	47.1
05:35 PM - 05:40 PM	Leq	50.2	42.7	08:15 PM - 08:20 PM	Leq	50.0	46.0
05:40 PM - 05:45 PM	Leq	53.6	43.0	08:20 PM - 08:25 PM	Leq	57.6	46.7
05:45 PM - 05:50 PM	Leq	52.6	43.3	08:25 PM - 08:30 PM	Leq	49.7	46.2
05:50 PM - 05:55 PM	Leq	56.2	43.6	08:30 PM - 08:35 PM	Leq	53.8	41.0
05:55 PM - 06:00 PM	Leq	58.1	43.3	08:35 PM - 08:40 PM	Leq	52.1	46.4
06:00 PM - 06:05 PM	Leq	52.7	43.3	08:40 PM - 08:45 PM	Leq	51.0	47.3
06:05 PM - 06:10 PM	Leq	55.5	43.1	08:45 PM - 08:50 PM	Leq	50.6	46.2
06:10 PM - 06:15 PM	Leq	57.5	43.1	08:50 PM - 08:55 PM	Leq	53.8	45.8
06:15 PM - 06:20 PM	Leq	60.1	43.7	08:55 PM - 09:00 PM	Leq	50.1	45.8
06:20 PM - 06:25 PM	Leq	58.1	44.2	09:00 PM - 09:05 PM	Leq	57.5	45.8
06:25 PM - 06:30 PM	Leq	48.2	44.4	09:05 PM - 09:10 PM	Leq	50.1	45.4
06:30 PM - 06:35 PM	Leq	53.7	46.2	09:10 PM - 09:15 PM	Leq	50.9	45.5
06:35 PM - 06:40 PM	Leq	51.0	48.4	09:15 PM - 09:20 PM	Leq	50.2	43.8

Approved by _____
Sanyuth Jitranont
Assistant General Manager

The above results are valid only for the analyzed sample of 20 and 25
 The report is part of the report for the 2004-2005 fiscal year and is
 without any other content from the 2004-2005 fiscal year. It is a
 strong recommendation that the report is not included in the

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10130
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : J161935-1

Sample Number 24110374-2
Parameter Noise Level (Leq 5 min)
Location N1 : ถนนสุขุมวิท/ถนนสุขุมวิท 2
Measurement Date Oct 27 - Oct 28, 2024
Measurement by Santi Chachana
Sound Level meter Serial No. 00233184

Oct 28, 2024			Oct 28, 2024			Oct 28, 2024		
Time	Leq dBA(A)	L90 dBA(A)	Time	Leq dBA(A)	L90 dBA(A)	Time	Leq dBA(A)	L90 dBA(A)
12:00 AM - 12:05 AM	47.3	42.0	02:40 AM - 02:45 AM	53.8	42.6	05:20 AM - 05:25 AM	42.4	41.5
12:05 AM - 12:10 AM	48.3	41.8	02:45 AM - 02:50 AM	42.8	42.2	05:25 AM - 05:30 AM	43.5	42.4
12:10 AM - 12:15 AM	46.9	42.5	02:50 AM - 02:55 AM	42.4	41.8	05:30 AM - 05:35 AM	42.8	42.3
12:15 AM - 12:20 AM	50.3	45.2	02:55 AM - 03:00 AM	42.6	42.1	05:35 AM - 05:40 AM	43.3	42.5
12:20 AM - 12:25 AM	49.1	43.2	03:00 AM - 03:05 AM	42.8	42.1	05:40 AM - 05:45 AM	43.7	42.8
12:25 AM - 12:30 AM	47.0	42.0	03:05 AM - 03:10 AM	42.3	41.0	05:45 AM - 05:50 AM	42.9	42.1
12:30 AM - 12:35 AM	47.4	43.2	03:10 AM - 03:15 AM	42.5	41.4	05:50 AM - 05:55 AM	42.7	42.1
12:35 AM - 12:40 AM	47.4	42.8	03:15 AM - 03:20 AM	42.5	41.6	05:55 AM - 06:00 AM	55.2	42.6
12:40 AM - 12:45 AM	46.9	42.5	03:20 AM - 03:25 AM	41.5	40.8	06:00 AM - 06:05 AM	55.6	41.9
12:45 AM - 12:50 AM	45.1	40.4	03:25 AM - 03:30 AM	41.2	40.1	06:05 AM - 06:10 AM	43.8	42.4
12:50 AM - 12:55 AM	44.1	41.6	03:30 AM - 03:35 AM	41.3	40.6	06:10 AM - 06:15 AM	43.9	42.9
12:55 AM - 01:00 AM	43.5	41.8	03:35 AM - 03:40 AM	41.1	39.9	06:15 AM - 06:20 AM	43.4	42.3
01:00 AM - 01:05 AM	42.7	41.8	03:40 AM - 03:45 AM	41.2	40.2	06:20 AM - 06:25 AM	50.6	42.1
01:05 AM - 01:10 AM	42.7	41.8	03:45 AM - 03:50 AM	42.5	40.4	06:25 AM - 06:30 AM	48.1	43.0
01:10 AM - 01:15 AM	42.5	41.9	03:50 AM - 03:55 AM	42.6	41.9	06:30 AM - 06:35 AM	56.4	41.9
01:15 AM - 01:20 AM	42.4	41.8	03:55 AM - 04:00 AM	42.0	41.3	06:35 AM - 06:40 AM	45.5	41.7
01:20 AM - 01:25 AM	44.5	42.6	04:00 AM - 04:05 AM	42.5	41.5	06:40 AM - 06:45 AM	51.4	42.8
01:25 AM - 01:30 AM	43.0	42.4	04:05 AM - 04:10 AM	42.1	41.1	06:45 AM - 06:50 AM	47.2	41.3
01:30 AM - 01:35 AM	44.0	42.1	04:10 AM - 04:15 AM	41.6	40.9	06:50 AM - 06:55 AM	48.7	42.2
01:35 AM - 01:40 AM	43.7	41.4	04:15 AM - 04:20 AM	41.4	40.6	06:55 AM - 07:00 AM	51.7	42.9
01:40 AM - 01:45 AM	41.1	40.2	04:20 AM - 04:25 AM	41.3	40.5	07:00 AM - 07:05 AM	48.6	42.8
01:45 AM - 01:50 AM	42.7	42.1	04:25 AM - 04:30 AM	41.1	41.6	07:05 AM - 07:10 AM	47.0	42.3
01:50 AM - 01:55 AM	42.8	41.5	04:30 AM - 04:35 AM	44.0	41.5	07:10 AM - 07:15 AM	48.4	43.4
01:55 AM - 02:00 AM	40.8	39.1	04:35 AM - 04:40 AM	51.0	41.6	07:15 AM - 07:20 AM	62.3	43.4
02:00 AM - 02:05 AM	43.1	41.0	04:40 AM - 04:45 AM	42.5	41.9	07:20 AM - 07:25 AM	60.8	43.8
02:05 AM - 02:10 AM	42.7	39.4	04:45 AM - 04:50 AM	42.7	42.2	07:25 AM - 07:30 AM	56.8	44.0
02:10 AM - 02:15 AM	42.7	38.8	04:50 AM - 04:55 AM	42.4	41.6	07:30 AM - 07:35 AM	49.8	44.8
02:15 AM - 02:20 AM	46.5	40.3	04:55 AM - 05:00 AM	42.2	41.6	07:35 AM - 07:40 AM	57.7	45.0
02:20 AM - 02:25 AM	42.8	40.1	05:00 AM - 05:05 AM	44.7	42.0	07:40 AM - 07:45 AM	61.3	44.4
02:25 AM - 02:30 AM	47.6	40.6	05:05 AM - 05:10 AM	42.1	41.6	07:45 AM - 07:50 AM	54.7	44.1
02:30 AM - 07:35 AM	42.1	41.4	05:10 AM - 05:15 AM	42.5	41.9	07:50 AM - 07:55 AM	61.1	44.6
07:35 AM - 07:40 AM	42.9	42.1	05:15 AM - 05:20 AM	42.6	41.7	07:55 AM - 08:00 AM	54.2	42.3

Approved by

Sarayu Jitranont
Assistant General Manager

ATDRI/616/10 Moo 5 T. Manam Khu A. Puakdang Rajong 21140 Thailand PHN01-466 0 3304 8555 FAX 466 0 3304 8556

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RIGHT SOLUTIONS. RIGHT PARTNER.



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10130
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : J161935-1

Sample Number 24110374-3
Parameter Noise Level (Leq 5 min)
Location N1 : ถนนสุขุมวิท/ถนนสุขุมวิท 2
Measurement Date Oct 29 - Oct 29, 2024
Measurement by Santi Chachana
Sound Level meter Serial No. 00233184

Oct 29, 2024			Oct 29, 2024			Oct 29, 2024		
Time	Leq dBA(A)	L90 dBA(A)	Time	Leq dBA(A)	L90 dBA(A)	Time	Leq dBA(A)	L90 dBA(A)
04:00 PM - 04:05 PM	58.0	39.7	06:40 PM - 06:45 PM	50.0	43.6	09:20 PM - 09:25 PM	55.8	50.9
04:05 PM - 04:10 PM	47.1	38.3	06:45 PM - 06:50 PM	58.3	45.1	09:25 PM - 09:30 PM	58.4	51.0
04:10 PM - 04:15 PM	57.6	38.0	06:50 PM - 06:55 PM	51.3	43.3	09:30 PM - 09:35 PM	58.2	50.6
04:15 PM - 04:20 PM	45.9	38.5	06:55 PM - 07:00 PM	51.0	43.3	09:35 PM - 09:40 PM	55.6	51.3
04:20 PM - 04:25 PM	45.0	37.6	07:00 PM - 07:05 PM	51.8	42.1	09:40 PM - 09:45 PM	55.9	51.8
04:25 PM - 04:30 PM	45.1	38.1	07:05 PM - 07:10 PM	56.1	43.5	09:45 PM - 09:50 PM	56.3	54.9
04:30 PM - 04:35 PM	61.6	38.9	07:10 PM - 07:15 PM	55.2	42.7	09:50 PM - 09:55 PM	57.4	55.1
04:35 PM - 04:40 PM	51.4	40.2	07:15 PM - 07:20 PM	62.6	51.2	09:55 PM - 10:00 PM	57.8	55.7
04:40 PM - 04:45 PM	44.1	41.2	07:20 PM - 07:25 PM	53.2	42.7	10:00 PM - 10:05 PM	57.9	56.2
04:45 PM - 04:50 PM	56.4	40.0	07:25 PM - 07:30 PM	60.7	45.9	10:05 PM - 10:10 PM	59.3	56.1
04:50 PM - 04:55 PM	41.6	40.4	07:30 PM - 07:35 PM	56.2	45.8	10:10 PM - 10:15 PM	59.5	57.2
04:55 PM - 05:00 PM	47.2	39.9	07:35 PM - 07:40 PM	57.6	42.6	10:15 PM - 10:20 PM	59.8	57.3
05:00 PM - 05:05 PM	49.4	40.9	07:40 PM - 07:45 PM	55.4	44.7	10:20 PM - 10:25 PM	59.2	56.1
05:05 PM - 05:10 PM	57.3	42.2	07:45 PM - 07:50 PM	56.0	41.4	10:25 PM - 10:30 PM	55.7	52.3
05:10 PM - 05:15 PM	62.1	48.5	07:50 PM - 07:55 PM	57.4	52.7	10:30 PM - 10:35 PM	55.3	52.8
05:15 PM - 05:20 PM	61.5	47.2	07:55 PM - 08:00 PM	56.9	46.4	10:35 PM - 10:40 PM	55.8	53.8
05:20 PM - 05:25 PM	55.6	46.0	08:00 PM - 08:05 PM	58.3	52.3	10:40 PM - 10:45 PM	55.7	52.3
05:25 PM - 05:30 PM	62.2	37.5	08:05 PM - 08:10 PM	56.7	51.4	10:45 PM - 10:50 PM	52.8	50.1
05:30 PM - 05:35 PM	61.4	46.5	08:10 PM - 08:15 PM	57.9	48.3	10:50 PM - 10:55 PM	51.4	46.2
05:35 PM - 05:40 PM	57.7	45.3	08:15 PM - 08:20 PM	64.1	44.5	10:55 PM - 11:00 PM	52.4	46.6
05:40 PM - 05:45 PM	60.9	44.7	08:20 PM - 08:25 PM	57.1	51.2	11:00 PM - 11:05 PM	51.2	46.2
05:45 PM - 05:50 PM	65.6	48.7	08:25 PM - 08:30 PM	57.8	49.2	11:05 PM - 11:10 PM	54.0	49.0
05:50 PM - 05:55 PM	64.1	41.3	08:30 PM - 08:35 PM	56.7	47.1	11:10 PM - 11:15 PM	57.1	55.9
05:55 PM - 06:00 PM	57.2	40.3	08:35 PM - 08:40 PM	58.3	48.1	11:15 PM - 11:20 PM	54.8	56.3
06:00 PM - 06:05 PM	52.1	41.4	08:40 PM - 08:45 PM	55.6	52.1	11:20 PM - 11:25 PM	57.7	56.1
06:05 PM - 06:10 PM	43.9	40.8	08:45 PM - 08:50 PM	55.5	50.3	11:25 PM - 11:30 PM	65.6	64.5
06:10 PM - 06:15 PM	57.7	39.6	08:50 PM - 08:55 PM	54.4	47.8	11:30 PM - 11:35 PM	65.1	63.8
06:15 PM - 06:20 PM	50.1	41.4	08:55 PM - 09:00 PM	54.9	51.1	11:35 PM - 11:40 PM	61.0	48.1
06:20 PM - 06:25 PM	57.8	42.1	09:00 PM - 09:05 PM	56.7	48.8	11:40 PM - 11:45 PM	52.8	49.3
06:25 PM - 06:30 PM	49.9	42.2	09:05 PM - 09:10 PM	54.5	48.4	11:45 PM - 11:50 PM	54.8	51.6
06:30 PM - 06:35 PM	51.8	44.6	09:10 PM - 09:15 PM	54.9	52.7	11:50 PM - 11:55 PM	55.7	52.6
06:35 PM - 06:40 PM	52.2	44.2	09:15 PM - 09:20 PM	54.9	49.6	11:55 PM - 12:00 AM	56.0	53.6

Approved by

Sarayu Jitranont
Assistant General Manager

ATDRI/616/10 Moo 5 T. Manam Khu A. Puakdang Rajong 21140 Thailand PHN01-466 0 3304 8555 FAX 466 0 3304 8556

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RIGHT SOLUTIONS. RIGHT PARTNER.



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10130
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : J161935-1

Sample Number 24110374-2
Parameter Noise Level (Leq 5 min)
Location N1 : ถนนสุขุมวิท/ถนนสุขุมวิท 2
Measurement Date Oct 27 - Oct 28, 2024
Measurement by Santi Chachana
Sound Level meter Serial No. 00233184

Oct 28, 2024			Oct 28, 2024			Oct 28, 2024		
Time	Leq dBA(A)	L90 dBA(A)	Time	Leq dBA(A)	L90 dBA(A)	Time	Leq dBA(A)	L90 dBA(A)
08:00 AM - 08:05 AM	45.1	42.8	10:40 AM - 10:45 AM	52.3	38.4	01:20 PM - 01:25 PM	56.5	37.7
08:05 AM - 08:10 AM	49.6	43.8	10:45 AM - 10:50 AM	57.5	38.7	01:25 PM - 01:30 PM	50.5	37.4
08:10 AM - 08:15 AM	66.2	43.8	10:50 AM - 10:55 AM	48.4	36.8	01:30 PM - 01:35 PM	58.6	37.1
08:15 AM - 08:20 AM	61.5	42.8	10:55 AM - 11:00 AM	55.3	37.4	01:35 PM - 01:40 PM	59.5	37.8
08:20 AM - 08:25 AM	56.2	42.9	11:00 AM - 11:05 AM	43.8	37.0	01:40 PM - 01:45 PM	56.9	38.5
08:25 AM - 08:30 AM	50.7	41.8	11:05 AM - 11:10 AM	55.8	38.3	01:45 PM - 01:50 PM	49.9	39.1
08:30 AM - 08:35 AM	55.8	41.5	11:10 AM - 11:15 AM	41.7	37.2	01:50 PM - 01:55 PM	52.6	39.6
08:35 AM - 08:40 AM	44.0	40.3	11:15 AM - 11:20 AM	56.2	37.6	01:55 PM - 02:00 PM	46.5	38.8
08:40 AM - 08:45 AM	43.2	39.9	11:20 AM - 11:25 AM	48.2	38.5	02:00 PM - 02:05 PM	56.2	39.9
08:45 AM - 08:50 AM	50.4	40.6	11:25 AM - 11:30 AM	59.0	39.8	02:05 PM - 02:10 PM	40.6	38.8
08:50 AM - 08:55 AM	54.2	40.0	11:30 AM - 11:35 AM	59.6	35.8	02:10 PM - 02:15 PM	40.3	39.3
08:55 AM - 09:00 AM	40.8	40.0	11:35 AM - 11:40 AM	55.3	35.2	02:15 PM - 02:20 PM	39.7	37.9
09:00 AM - 09:05 AM	44.4	40.4	11:40 AM - 11:45 AM	57.7	36.4	02:20 PM - 02:25 PM	54.5	38.3
09:05 AM - 09:10 AM	56.5	41.4	11:45 AM - 11:50 AM	55.3	37.5	02:25 PM - 02:30 PM	38.7	36.9
09:10 AM - 09:15 AM	54.5	41.0	11:50 AM - 11:55 AM	67.1	38.6	02:30 PM - 02:35 PM	47.9	37.5
09:15 AM - 09:20 AM	47.9	41.5	11:55 AM - 12:00 PM	56.6	39.3	02:35 PM - 02:40 PM	53.6	38.4
09:20 AM - 09:25 AM	45.5	41.2	12:00 PM - 12:05 PM	58.5	36.7	02:40 PM - 02:45 PM	56.4	39.2
09:25 AM - 09:30 AM	56.2	40.7	12:05 PM - 12:10 PM	58.7	38.6	02:45 PM - 02:50 PM	41.6	37.1
09:30 AM - 09:35 AM	43.6	40.0	12:10 PM - 12:15 PM	55.6	37.2	02:50 PM - 02:55 PM	51.7	37.2
09:35 AM - 09:40 AM	42.4	38.7	12:15 PM - 12:20 PM	47.0	36.6	02:55 PM - 03:00 PM	45.4	36.5
09:40 AM - 09:45 AM	44.0	41.7	12:20 PM - 12:25 PM	58.0	37.7	03:00 PM - 03:05 PM	55.9	36.3
09:45 AM - 09:50 AM	45.5	41.3	12:25 PM - 12:30 PM	54.5	37.7	03:05 PM - 03:10 PM	48.9	36.2
09:50 AM - 09:55 AM	49.6	41.3	12:30 PM - 12:35 PM	47.9	37.1	03:10 PM - 03:15 PM	53.5	37.0
09:55 AM - 10:00 AM	54.7	42.4	12:35 PM - 12:40 PM	52.2	36.9	03:15 PM - 03:20 PM	50.4	36.8
10:00 AM - 10:05 AM	55.9	39.4	12:40 PM - 12:45 PM	55.5	37.3	03:20 PM - 03:25 PM	44.4	38.0
10:05 AM - 10:10 AM	47.6	38.9	12:45 PM - 12:50 PM	50.4	38.2	03:25 PM - 03:30 PM	40.2	40.5
10:10 AM - 10:15 AM	58.7	38.1	12:50 PM - 12:55 PM	56.1	38.7	03:30 PM - 03:35 PM	40.2	37.8
10:15 AM - 10:20 AM	60.1	38.1	12:55 PM - 01:00 PM	54.8	38.8	03:35 PM - 03:40 PM	40.7	39.2
10:20 AM - 10:25 AM	49.2	40.0	01:00 PM - 01:05 PM	55.4	38.9	03:40 PM - 03:45 PM	37.1	38.1
10:25 AM - 10:30 AM	42.1	39.7	01:05 PM - 01:10 PM	58.6	37.5	03:45 PM - 03:50 PM	43.6	36.0
10:30 AM - 10:35 AM	46.8	39.4	01:10 PM - 01:15 PM	37.7	36.4	03:50 PM - 03:55 PM	53.1	36.9
10:35 AM - 10:40 AM	52.7	37.4	01:15 PM - 01:20 PM	54.9	38.2	03:55 PM - 04:00 PM	51.6	39.8



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB 033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161931-1

Page 3 of 3

Sample Number		24110374-3		Parameter		Noise Level (Leq 5 min)		Location		N1 : อาคารพาณิชย์ฝั่งตรงข้าม 2		Measurement Date		Oct 28 - Oct 29, 2024		Measurement by		Santi Chachana		Sound Level meter		Serial No. 00233184	
Time		Leq	L90	Time		Leq	L90	Time		Leq	L90	Time		Leq	L90	Time		Leq	L90	Time		Leq	L90
		dB(A)	dB(A)			dB(A)	dB(A)			dB(A)	dB(A)			dB(A)	dB(A)			dB(A)	dB(A)			dB(A)	dB(A)
08:00 AM - 08:05 AM	44.2	37.9	10:40 AM - 10:45 AM	56.3	34.2	01:20 PM - 01:25 PM	43.8	36.3	08:00 PM - 08:05 PM	49.3	38.7	08:20 PM - 08:25 PM	55.0	44.3	08:25 PM - 08:30 PM	52.2	40.0	08:30 PM - 08:35 PM	51.0	39.5	08:35 PM - 08:40 PM	51.0	39.5
08:05 AM - 08:10 AM	45.3	36.9	10:45 AM - 10:50 AM	55.3	36.3	01:25 PM - 01:30 PM	54.9	36.7	08:40 PM - 08:45 PM	47.4	37.3	08:45 PM - 08:50 PM	52.7	41.6	08:50 PM - 08:55 PM	51.5	40.6	08:55 PM - 09:00 PM	54.2	42.3	09:00 PM - 09:05 PM	53.9	43.7
08:10 AM - 08:15 AM	54.6	37.6	10:50 AM - 10:55 AM	57.7	37.4	01:30 PM - 01:35 PM	57.8	37.5	09:00 PM - 09:05 PM	50.8	40.1	09:05 PM - 09:10 PM	53.1	41.4	09:10 PM - 09:15 PM	53.1	41.4	09:15 PM - 09:20 PM	54.2	42.3	09:20 PM - 09:25 PM	53.9	43.7
08:15 AM - 08:20 AM	51.5	36.6	10:55 AM - 11:00 AM	44.8	38.9	01:35 PM - 01:40 PM	47.5	36.8	09:20 PM - 09:25 PM	50.8	40.1	09:25 PM - 09:30 PM	53.1	41.4	09:30 PM - 09:35 PM	53.1	41.4	09:35 PM - 09:40 PM	54.2	42.3	09:40 PM - 09:45 PM	53.9	43.7
08:20 AM - 08:25 AM	38.2	36.6	11:00 AM - 11:05 AM	54.1	38.8	01:40 PM - 01:45 PM	49.3	37.2	09:40 PM - 09:45 PM	46.5	35.8	09:45 PM - 09:50 PM	53.1	41.4	09:50 PM - 09:55 PM	53.1	41.4	09:55 PM - 10:00 PM	54.2	42.3	10:00 PM - 10:05 PM	53.9	43.7
08:25 AM - 08:30 AM	52.0	35.4	11:05 AM - 11:10 AM	41.0	38.9	01:45 PM - 01:50 PM	52.2	37.8	10:00 PM - 10:05 PM	50.8	40.1	10:05 PM - 10:10 PM	53.1	41.4	10:10 PM - 10:15 PM	53.1	41.4	10:15 PM - 10:20 PM	54.2	42.3	10:20 PM - 10:25 PM	53.9	43.7
08:30 AM - 08:35 AM	51.0	35.4	11:10 AM - 11:15 AM	47.3	38.9	01:50 PM - 01:55 PM	50.7	38.4	10:20 PM - 10:25 PM	46.5	35.8	10:25 PM - 10:30 PM	53.1	41.4	10:30 PM - 10:35 PM	53.1	41.4	10:35 PM - 10:40 PM	54.2	42.3	10:40 PM - 10:45 PM	53.9	43.7
08:35 AM - 08:40 AM	51.6	34.3	11:15 AM - 11:20 AM	52.1	40.3	01:55 PM - 02:00 PM	57.3	36.8	10:40 PM - 10:45 PM	46.5	35.8	10:45 PM - 10:50 PM	53.1	41.4	10:50 PM - 10:55 PM	53.1	41.4	10:55 PM - 11:00 PM	54.2	42.3	11:00 PM - 11:05 PM	53.9	43.7
08:40 AM - 08:45 AM	49.6	33.9	11:20 AM - 11:25 AM	48.3	38.9	02:00 PM - 02:05 PM	50.7	36.6	11:00 PM - 11:05 PM	47.4	37.3	11:05 PM - 11:10 PM	53.1	41.4	11:10 PM - 11:15 PM	53.1	41.4	11:15 PM - 11:20 PM	54.2	42.3	11:20 PM - 11:25 PM	53.9	43.7
08:45 AM - 08:50 AM	36.4	34.1	11:25 AM - 11:30 AM	51.0	39.5	02:05 PM - 02:10 PM	49.9	38.2	11:20 PM - 11:25 PM	46.5	35.8	11:25 PM - 11:30 PM	53.1	41.4	11:30 PM - 11:35 PM	53.1	41.4	11:35 PM - 11:40 PM	54.2	42.3	11:40 PM - 11:45 PM	53.9	43.7
08:50 AM - 08:55 AM	36.0	34.1	11:30 AM - 11:35 AM	53.5	38.6	02:10 PM - 02:15 PM	46.8	37.2	11:40 PM - 11:45 PM	46.5	35.8	11:45 PM - 11:50 PM	53.1	41.4	11:50 PM - 11:55 PM	53.1	41.4	11:55 PM - 12:00 AM	54.2	42.3	12:00 AM - 12:05 AM	53.9	43.7
08:55 AM - 09:00 AM	57.3	34.7	11:35 AM - 11:40 AM	49.8	38.6	02:15 PM - 02:20 PM	61.7	37.6	12:00 AM - 12:05 AM	46.5	35.8	12:05 AM - 12:10 AM	53.1	41.4	12:10 AM - 12:15 PM	53.1	41.4	12:15 AM - 12:20 AM	54.2	42.3	12:20 AM - 12:25 AM	53.9	43.7
09:00 AM - 09:05 AM	50.4	34.2	11:40 AM - 11:45 AM	57.5	40.4	02:20 PM - 02:25 PM	45.8	37.7	12:20 AM - 12:25 AM	46.5	35.8	12:25 AM - 12:30 AM	53.1	41.4	12:30 AM - 12:35 PM	53.1	41.4	12:35 AM - 12:40 AM	54.2	42.3	12:40 AM - 12:45 AM	53.9	43.7
09:05 AM - 09:10 AM	41.9	33.0	11:45 AM - 11:50 AM	54.9	38.3	02:25 PM - 02:30 PM	55.2	37.3	12:40 AM - 12:45 AM	46.5	35.8	12:45 AM - 12:50 AM	53.1	41.4	12:50 AM - 12:55 PM	53.1	41.4	12:55 AM - 1:00 AM	54.2	42.3	1:00 AM - 1:05 AM	53.9	43.7
09:10 AM - 09:15 AM	49.1	24.4	11:50 AM - 11:55 AM	53.3	38.9	02:30 PM - 02:35 PM	51.3	36.6	1:00 AM - 1:05 AM	46.5	35.8	1:05 AM - 1:10 AM	53.1	41.4	1:10 AM - 1:15 PM	53.1	41.4	1:15 AM - 1:20 PM	54.2	42.3	1:20 AM - 1:25 PM	53.9	43.7
09:15 AM - 09:20 AM	38.0	33.9	11:55 AM - 12:00 PM	53.1	39.9	02:35 PM - 02:40 PM	50.7	37.7	1:10 AM - 1:15 PM	46.5	35.8	1:15 AM - 1:20 PM	53.1	41.4	1:20 AM - 1:25 PM	53.1	41.4	1:25 AM - 1:30 PM	54.2	42.3	1:30 AM - 1:35 PM	53.9	43.7
09:20 AM - 09:25 AM	48.9	34.7	12:00 PM - 12:05 PM	53.1	38.6	02:40 PM - 02:45 PM	58.7	40.6	1:20 AM - 1:25 PM	46.5	35.8	1:25 AM - 1:30 PM	53.1	41.4	1:30 AM - 1:35 PM	53.1	41.4	1:35 AM - 1:40 PM	54.2	42.3	1:40 AM - 1:45 PM	53.9	43.7
09:25 AM - 09:30 AM	43.7	34.2	12:05 PM - 12:10 PM	50.1	38.2	02:45 PM - 02:50 PM	61.8	36.6	1:30 AM - 1:35 PM	46.5	35.8	1:35 AM - 1:40 PM	53.1	41.4	1:40 AM - 1:45 PM	53.1	41.4	1:45 AM - 1:50 PM	54.2	42.3	1:50 AM - 1:55 PM	53.9	43.7
09:30 AM - 09:35 AM	46.5	36.1	12:10 PM - 12:15 PM	53.9	37.8	02:50 PM - 02:55 PM	56.6	37.1	1:40 AM - 1:45 PM	46.5	35.8	1:45 AM - 1:50 PM	53.1	41.4	1:50 AM - 1:55 PM	53.1	41.4	1:55 AM - 2:00 AM	54.2	42.3	2:00 AM - 2:05 AM	53.9	43.7
09:35 AM - 09:40 AM	52.6	35.5	12:15 PM - 12:20 PM	47.1	38.6	02:55 PM - 03:00 PM	46.2	36.9	1:50 AM - 1:55 PM	46.5	35.8	1:55 AM - 2:00 PM	53.1	41.4	2:00 AM - 2:05 AM	53.1	41.4	2:05 AM - 2:10 PM	54.2	42.3	2:10 AM - 2:15 PM	53.9	43.7
09:40 AM - 09:45 AM	55.8	26.4	12:20 PM - 12:25 PM	58.7	40.1	03:00 PM - 03:05 PM	39.2	36.1	2:00 AM - 2:05 PM	46.5	35.8	2:05 AM - 2:10 PM	53.1	41.4	2:10 AM - 2:15 PM	53.1	41.4	2:15 AM - 2:20 PM	54.2	42.3	2:20 AM - 2:25 PM	53.9	43.7
09:45 AM - 09:50 AM	51.0	34.6	12:25 PM - 12:30 PM	53.2	37.3	03:05 PM - 03:10 PM	61.4	36.7	2:10 AM - 2:15 PM	46.5	35.8	2:15 AM - 2:20 PM	53.1	41.4	2:20 AM - 2:25 PM	53.1	41.4	2:25 AM - 2:30 PM	54.2	42.3	2:30 AM - 2:35 PM	53.9	43.7
09:50 AM - 09:55 AM	53.2	33.4	12:30 PM - 12:35 PM	53.5	37.4	03:10 PM - 03:15 PM	40.0	35.1	2:20 AM - 2:25 PM	46.5	35.8	2:25 AM - 2:30 PM	53.1	41.4	2:30 AM - 2:35 PM	53.1	41.4	2:35 AM - 2:40 PM	54.2	42.3	2:40 AM - 2:45 PM	53.9	43.7
09:55 AM - 10:00 AM	54.3	33.2	12:35 PM - 12:40 PM	54.7	37.7	03:15 PM - 03:20 PM	54.7	37.7	2:30 AM - 2:35 PM	46.5	35.8	2:35 AM - 2:40 PM	53.1	41.4	2:40 AM - 2:45 PM	53.1	41.4	2:45 AM - 2:50 PM	54.2	42.3	2:50 AM - 2:55 PM	53.9	43.7
10:00 AM - 10:05 AM	34.6	33.2	12:40 PM - 12:45 PM	55.5	38.9	03:20 PM - 03:25 PM	37.9	36.1	2:40 AM - 2:45 PM	46.5	35.8	2:45 AM - 2:50 PM	53.1	41.4	2:50 AM - 2:55 PM	53.1	41.4	2:55 AM - 3:00 PM	54.2	42.3	3:00 AM - 3:05 AM	53.9	43.7
10:05 AM - 10:10 AM	41.1	33.0	12:45 PM - 12:50 PM	65.0	38.6	03:25 PM - 03:30 PM	38.1	36.6	2:50 AM - 2:55 PM	46.5	35.8	2:55 AM - 3:00 PM	53.1	41.4	3:00 AM - 3:05 PM	53.1	41.4	3:05 AM - 3:10 PM	54.2	42.3	3:10 AM - 3:15 PM	53.9	43.7
10:10 AM - 10:15 AM	36.5	32.7	12:50 PM - 12:55 PM	53.2	31.4	03:30 PM - 03:35 PM	41.4	37.2	3:00 AM - 3:05 PM	46.5	35.8	3:05 AM - 3:10 PM	53.1	41.4	3:10 AM - 3:15 PM	53.1	41.4	3:15 AM - 3:20 PM	54.2	42.3	3:20 AM - 3:25 PM	53.9	43.7
10:15 AM - 10:20 AM	47.7	24.1	12:55 PM - 01:00 PM	51.1	37.1	03:35 PM - 03:40 PM	47.7	36.9	3:10 AM - 3:15 PM	46.5	35.8	3:15 AM - 3:20 PM	53.1	41.4	3:20 AM - 3:25 PM	53.1	41.4	3:25 AM - 3:30 PM	54.2	42.3	3:30 AM - 3:35 PM	53.9	43.7
10:20 AM - 10:25 AM	35.3	34.0	01:00 PM - 01:05 PM	46.2	36.9	03:40 PM - 03:45 PM	46.4	37.6	3:20 AM - 3:25 PM	46.5	35.8	3:25 AM - 3:30 PM	53.1	41.4	3:30 AM - 3:35 PM	53.1	41.4	3:35 AM - 3:40 PM	54.2	42.3	3:40 AM - 3:45 PM	53.9	43.7
10:25 AM - 10:30 AM	37.1	35.1	01:05 PM - 01:10 PM	47.4	36.8	03:45 PM - 03:50 PM	38.6	36.9	3:30 AM - 3:35 PM	46.5	35.8	3:35 AM - 3:40 PM	53.1	41.4	3:40 AM - 3:45 PM	53.1	41.4	3:45 AM - 3:50 PM	54.2	42.3	3:50 AM - 3:55 PM	53.9	43.7
10:30 AM - 10:35 AM	55.6	26.2	01:10 PM - 01:15 PM	56.2	36.5	03:50 PM - 03:55 PM	38.5	36.1	3:40 AM - 3:45 PM	46.5	35.8	3:45 AM - 3:50 PM	53.1	41.4	3:50 AM - 3:55 PM	53.1	41.4	3:55 AM - 4:00 PM	54.2	42.3	4:00 AM - 4:05 AM	53.9	43.7
10:35 AM - 10:40 AM	56.3	26.3	01:15 PM - 01:20 PM	48.7	36.1	03:55 PM - 04:00 PM	37.3	35.9	3:50 AM - 3:55 PM	46.5	35.8	3:55 AM - 4:00 PM	53.1	41.4	4:00 AM - 4:05 AM	53.1	41.4	4:05 AM - 4:10 PM	54.2	42.3	4:10 AM - 4:15 PM	53.9	43.7

Approved by

Saranyut Jitrant
Assistant General Manager

The data in this report is for the project location only. It is not valid for other locations. The data in this report is for the project location only. It is not valid for other locations. The data in this report is for the project location only. It is not valid for other locations.

ADDRESS: 616/10 Moo 5 T. Maenam Khu A. Phukdang Rong 21140 Thailand. P/O: RJN-LCB 033/66. Lot ID: 24110374. Date Received: Nov 06, 2024. Date Reported: Nov 11, 2024. Report Number: 3161931-1.

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RIGHT SOLUTIONS. PRESENT. PAPER. TEST.



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB 033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161931-1

Page 2 of 3

Sample Number		24110374-4		Parameter		Noise Level (Leq 5 min)		Location		N1 : อาคารพาณิชย์ฝั่งตรงข้าม 2		Measurement Date		Oct 29 - Oct 30, 2024		Measurement by		Santi Chachana		Sound Level meter		Serial No. 00233184	
Time		Leq	L90	Time		Leq	L90	Time		Leq	L90	Time		Leq	L90	Time		Leq	L90	Time		Leq	L90
		dB(A)	dB(A)			dB(A)	dB(A)			dB(A)	dB(A)			dB(A)	dB(A)			dB(A)	dB(A)			dB(A)	dB(A)
12:00 AM - 12:05 AM	51.7	41.1	02:40 AM - 02:45 AM	45.1	40.2	05:20 AM - 05:25 AM	43.8	36.3	08:00 PM - 08:05 PM	49.3	38.7	08:20 PM - 08:25 PM	55.0	44.3	08:25 PM - 08:30 PM	52.2	40.0	08:30 PM - 08:35 PM	51.0	39.5	08:35 PM - 08:40 PM	49.5	44.0
12:05 AM - 12:10 AM	45.8	40.7	02:45 AM - 02:50 AM	44.8	38.2	05:25 AM - 05:30 AM	45.9	34.1	08:05 PM - 08:10 PM	45.8	35.9	08:25 PM - 08:30 PM	54.5	43.8	08:30 PM - 08:35 PM	51.5	39.5	08:35 PM - 08:40 PM	45.8	39.5	08:40 PM - 08:45 PM	45.5	44.0
12:10 AM - 12:15 AM	45.7	41.0	02:50 AM - 02:55 AM	44.8	37.8	05:30 AM - 05:35 AM	45.1	34.9	08:10 PM - 08:15 PM	45.1	35.9	08:30 PM - 08:35 PM	54.5	43.8	08:35 PM - 08:40 PM	51.5	39.5	08:40 PM - 08:45 PM	45.8	39.5	08:45 PM - 08:50 PM	45.5	44.0
12:15 AM - 12:20 AM	49.1	40.9	02:55 AM - 03:00 AM	44.5	38.9	05:35 AM - 05:40 AM	45.8	36.9	08:15 PM - 08:20 PM	45.8	36.9	08:35 PM - 08:40 PM	54.5	43.8	08:40 PM - 08:45 PM	51.5	39.5	08:45 PM - 08:50 PM	45.8	39.5	08:50 PM - 08:55 PM	45.5	44.0
12:20 AM - 12:25 AM	45.4	41.1	03:00 AM - 03:05 AM	47.2	38.1	05:40 AM - 05:45 AM	45.1	36.9	08:20 PM - 08:25 PM	45.8	36.9	08:40 PM - 08:45 PM	54.5	43.8	08:45 PM - 08:50 PM	51.5	39.5	08:50 PM - 08:55 PM	45.8	39.5	08:55 PM - 09:00 PM	45.5	44.0
12:25 AM - 12:30 AM	49.2	40.8	03:05 AM - 03:10 AM	46.6	39.2	05:45 AM - 05:50 AM	45.4	39.2	08:25 PM - 08:30 PM	45.8	39.2	08:45 PM - 08:50 AM	54.5	43.8	08:50 AM - 08:55 AM	51.5	39.5	08:55 AM - 09:00 AM	45.8	39.5	09:00 AM - 09:05 AM	45.5	44.0
12:30 AM - 12:35 AM	50.7	41.1	03:10 AM - 03:15 AM	50.7	39.2	05:50 AM - 05:55 AM	45.9	39.3	08:30 PM - 08:35 PM	45.8	39.3	08:50 AM - 08:55 AM	54.5	43.8	08:55 AM - 09:00 AM	51.5	39.5	09:00 AM - 09:05 AM	45.8	39.5	09:05 AM - 09:10 AM	45.5	44.0
12:35 AM - 12:40 AM	47.0	41.1	03:15 AM - 03:20 AM	49.9	39.3	05:55 AM - 06:00 AM	45.4	39.3	08:35 PM - 08:40 PM	45.8	39.3	09:00 AM - 09:05 AM	54.5	43.8	09:05 AM - 09:10 AM	51.5	39.5	09:10 AM - 09:15 AM	45.8	39.5	09:15 AM - 09:20 AM	45.5	44.0
12:40 AM - 12:45 AM	50.6	41.4	03:20 AM - 03:25 AM	49.9	39.0	06:00 AM - 06:05 AM	45.8	40.2	08:40 PM - 08:45 PM	45.8	40.2	09:05 AM - 09:10 AM	54.5	43.8	09:10 AM - 09:15 AM	51.5	39.5	09:15 AM - 09:20 AM	45.8	39.5	09:20 AM - 09:25 AM	45.5	44.0
12:45 AM - 12:50 AM	46.4	41.4	03:25 AM - 03:30 AM	49.1	39.4	06:05 AM - 06:10 AM	45.4	41.7	08:45 PM - 08:50 PM	45.8	41.7	09:10 AM - 09:15 AM	54.5	43.8	09:15 AM - 09:20 AM	51.5	39.5	09:20 AM - 09:25 AM	45.8	39.5	09:25 AM - 09:30 AM	45.5	44.0
12:50 AM - 12:55 AM	46.8	41.1	03:30 AM - 03:35 AM	49.1	39.4	06:10 AM - 06:15 AM	45.8	41.7	08:50 PM - 08:55 PM	45.8	41.7	09:15 AM - 09:20 AM	54.5	43.8	09:20 AM - 09:25 AM	51.5	39.5	09:25 AM - 09:30 AM	45.8	39.5	09:30 AM - 09:35 AM	45.5	44.0
12:55 AM - 01:00 AM	47.5	40.7	03:35 AM - 03:40 AM	49.8	38.9	06:15 AM - 06:20 AM	45.9	42.8	08:55 PM - 09:00 PM	45.8	42.8	09:20 AM - 09:25 AM	54.5	43.8	09:25 AM - 09:30 AM	51.5	39.5	09:30 AM - 09:35 AM	45.8	39.5	09:35 AM - 09:40 AM	45.5	44.0
01:00 AM - 01:05 AM	44.2	40.5	03:40 AM - 03:45 AM	45.2	37.6	06:20 AM - 06:25 AM	47.7	42.8	09:00 PM - 09:05 PM	45.8	42.8	09:25 AM - 09:30 AM	54.5	43.8	09:30 AM - 09:35 AM	51.5	39.5	09:35 AM - 09:40 AM	45.8	39.5	09:40 AM - 09:45 AM	45.5	44.0
01:05 AM - 01:10 AM	42.7	40.5	03:45 AM - 03:50 AM	45.0	37.1	06:25 AM - 06:30 AM	49.3	42.9	09:05 PM - 09:10 PM	45.8	42.9	09:30 AM - 09:35 AM	54.5	43.8	09:35 AM - 09:40 AM	51.5	39.5	09:40 AM - 09:45 AM	45.8	39.5	09:45 AM - 09:50 AM	45.5	44.0
01:10 AM - 01:15 AM	42.6	40.5	03:50 AM - 03:55 AM	45.4	38.3	06:30 AM - 06:35 AM	52.1	42.9	09:10 PM - 09:15 PM	45.8	42.9	09:35 AM - 09:40 AM	54.5	43.8	09:40 AM - 09:45 AM	51.5	39.5	09:45 AM - 09:50 AM	45.8	39.5	09:50 AM - 09:55 AM	45.5	44.0
01:15 AM - 01:20 AM	41.4	41.2	03:55 AM - 04:00 AM	47.6	39.3	06:35 AM - 06:40 AM	52.8	42.9	09:15 PM - 09:20 PM	45.8	42.9	09:40 AM - 09:45 AM	54.5	43.8	09:45 AM - 09:50 AM	51.5	39.5	09:50 AM - 09:55 AM	45.8	39.5	09:55 AM - 10:00 AM	45.5	44.0
01:20 AM - 01:25 AM	41.3	41.2	04:00 AM - 04:05 AM	45.9	40.6	06:40 AM - 06:45 AM	52.1	42.9	09:20 PM - 09:25 PM	45.8	42.9	09:45 AM - 09:50 AM	54.5	43.8	09:50 AM - 09:55 AM	51.5	39.5	09:55 AM - 10:00 AM	45.8	39.5	10:00 AM - 10:05 AM	45.5	44.0
01:25 AM - 01:30 AM	41.5	40.9	04:05 AM - 04:10 AM	47.8	42.0	06:45 AM - 06:50 AM	52.8	42.9	09:25 PM - 09:30 PM	45.8	42.9	09:50 AM - 09:55 AM	54.5	43.8	09:55 AM - 10:00 AM	51.5	39.5	10:00 AM - 10:05 AM	45.8	39.5	10:05 AM - 10:10 AM	45.5	44.0
01:30 AM - 01:35 AM	41.8	40.5	04:10 AM - 04:15 AM	46.0	42.5	06:50 AM - 06:55 AM	52.0	42.9	09:30 PM - 09:35 PM	45.8	42.9	09:55 AM - 10:00 AM	54.5	43.8	10:00 AM - 10:05 AM	51.5	39.5	10:05 AM - 10:10 AM	45.8	39.5	10:10 AM - 10:15 AM	45.5	44.0
01:35 AM - 01:40 AM	41.8	40.4	04:15 AM - 04:20 AM	45.2	42.9	06:55 AM - 07:00 AM	54.4	42.7	09:35 PM - 09:40 PM	45.8	42.7	10:00 AM - 10:05 AM	54.5	43.8	10:05 AM - 10:10 AM	51.5	39.5	10:10 AM - 10:15 AM	45.8	39.5	10:15 AM - 10:20 AM	45.5	44.0
01:40 AM - 01:45 AM	41.2	39.9	04:20 AM - 04:25 AM	45.4	42.5	07:00 AM - 07:05 AM	54.4	42.6	09:40 PM - 09:45 PM	45.8	42.6	10:05 AM - 10:10 AM	54.5	43.8	10:10 AM - 10:15 AM	51.5	39.5	10:15 AM - 10:20 AM	45.8	39.5	10:20 AM - 10:25 AM	45.5	44.0
01:45 AM - 01:50 AM	42.4	40.9	04:25 AM - 04:30 AM	42.9	41.1	07:05 AM - 07:10 AM	53.4	41.6	09:45 PM - 09:50 PM	45.8	41.6	10:10 AM - 10:15 AM	54.5	43.8	10:15 AM - 10:20 AM	51.5	39.5	10:20 AM - 10:25 AM	45.8	39.5	10:25 AM - 10:30 AM	45.5	44.0
01:50 AM - 01:55 AM	42.2	41.4	04:30 AM - 04:35 AM	42.3	41.0	07:10 AM - 07:15 AM	54.4	41.6	09:50 PM - 09:55 PM	45.8	41.6	10:15 AM - 10:20 AM	54.5	43.8	10:20 AM - 10:25 AM	51.5	39.5	10:25 AM - 10:30 AM	45.8	39.5	10:30 AM - 10:35 AM	45.5	44.0
01:55 AM - 02:00 AM	42.6	41.6	04:35 AM - 04:40 AM	41.9	39.0	07:15 AM - 07:20 AM	50.0	41.3	09:55 PM - 10:00 PM	45.8	41.3	10:20 AM - 10:25 AM	54.5	43.8	10:25 AM - 10:30 AM	51.5	39.5	10:30 AM - 10:35 AM	45.8	39.5	10:35 AM - 10:40 AM	45.5	44.0
02:00 AM - 02:05 AM	44.4	43.1	04:40 AM - 04:45 AM	42.1	40.5	07:20 AM - 07:25 AM	55.8	41.9	10:00 PM - 10:05 PM	45.8	41.9	10:25 AM - 10:30 AM	54.5	43.8	10:30 AM - 10:35 AM	51.5	39.5	10:35 AM - 10:40 AM	45.8	39.5	10:40 AM - 10:45 AM	45.5	44.0
02:05 AM - 02:10 AM	42.9	41.8	04:45 AM - 04:50 AM	42.6	39.9	07:25 AM - 07:30 AM	60.9	45.2	10:05 PM - 10:10 PM	45.8	41.9	10:30 AM - 10:35 AM	54.5	43.8	10:35 AM - 10:40 AM	51.5	39.5	10:40 AM - 10:45 AM	45.8	39.5	10:45 AM - 10:50 AM	45.5	44.0
02:10 AM - 02:15 AM	46.0	42.1	04:50 AM - 04:55 AM	43.2	40.2	07:30 AM - 07:35 AM	59.4	45.6	10:10 PM - 10:15 PM	45.8	41.9	10:35 AM - 10:40 AM	54.5	43.8	10:40 AM - 10:45 AM	51.5	39.5	10:45 AM - 10:50 AM	45.8	39.5	10:50 AM - 10:55 AM	45.5	44.0
02:15 AM - 02:20 AM	44.6	41.5	04:55 AM - 05:00 AM	42.6	39.6	07:35 AM - 07:40 AM	59.2	45.5	10:15 PM - 10:20 PM	45.8	41.9	10:40 AM - 10:45 AM	54.5	43.8	10:45 AM - 10:50 AM	51.5	39.5	10:50 AM - 10:55 AM	45.8	39.5	10:55 AM - 11:00 AM	45.5	44.0
02:20 AM - 02:25 AM	42.6	41.6	05:00 AM - 05:05 AM	40.7	39.7	07:40 AM - 07:45 AM	60.4	45.7	10:20 PM - 10:25 PM	45.8	41.9	10:45 AM - 10:50 AM	54.5	43.8	10:50 AM - 10:55 AM	51.5	39.5	10:55 AM - 11:00 AM	45.8	39.5	11:00 AM - 11:05 AM	45.5	44.0
02:25 AM - 02:30 AM	44.5	40.9	05:05 AM - 05:10 AM	41.9	39.7	07:45 AM - 07:50 AM	59.3	45.7	10:25 PM - 10:30 PM	45.8	41.9	10:50 AM - 10:55 AM	54.5	43.8	10:55 AM - 11:00 AM	51.5	39.5	11:00 AM - 11:05 AM	45.8	39.5	11:05 AM - 11:10 AM	45.5	44.0
02:30 AM - 02:35 AM	41.9	39.2	05:10 AM - 05:15 AM	43.5	41.1	07:50 AM - 07:55 AM	63.2	45.9	10:30 PM - 10:35 PM	45.8	41.9	10:55 AM - 11:00 AM	54.5	43.8	11:00 AM - 11:05 AM	51.5	39.5	11:05 AM - 11:10 AM	45.8	39.5	11:10 AM - 11:15 AM	45.5	44.0
02:35 AM - 02:40 AM	41.2	40.1	05:15 AM - 05:20 AM	43.9	42.9	07:55 AM - 08:00 AM	61.4	46.6	10:35 PM - 10:40 PM	45.8	41.9	11:00 AM - 11:05 AM	54.5	43.8	11:05 AM - 11:10 AM	51.5	39.5	11:10 AM - 11:15 AM	45.8	39.5	11:15 AM - 11:20 AM	45.5	44.0



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.

203/115 26TH Fl. Talitha Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310

P/O : RJN-LCB-033/66

Project Name : Laemchabang

Project Location :

Lot ID: 24110374

Date Received : Nov 06, 2024

Date Reported : Nov 11, 2024

Report Number : 3161937-1

Page 1 of 3

Sample Number	24110374-5							
Parameter	Noise Level (Leq 5 min)							
Location	N1 : ถนนพหลโยธินกิโลเมตรที่ 2							
Measurement Date	Oct 30 - Oct 31, 2024							
Measurement by	Santi Chakchana							
Sound Level meter	Serial No. 00233184							
Oct 30, 2024	Leq	L90	Oct 30, 2024	Leq	L90	Oct 30, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
01:00 PM - 01:05 PM	45.6	36.5	06:40 PM - 06:45 PM	55.4	44.7	09:20 PM - 09:25 PM	56.9	43.1
01:05 PM - 01:10 PM	39.4	36.9	06:45 PM - 06:50 PM	65.3	44.8	09:25 PM - 09:30 PM	57.4	43.2
01:10 PM - 01:15 PM	39.7	36.5	06:50 PM - 06:55 PM	52.2	41.4	09:30 PM - 09:35 PM	57.9	43.6
01:15 PM - 01:20 PM	42.5	36.6	06:55 PM - 07:00 PM	55.2	43.8	09:35 PM - 09:40 PM	55.5	42.5
01:20 PM - 01:25 PM	47.6	37.8	07:00 PM - 07:05 PM	52.5	43.6	09:40 PM - 09:45 PM	55.5	42.7
01:25 PM - 01:30 PM	47.9	38.1	07:05 PM - 07:10 PM	53.6	43.7	09:45 PM - 09:50 PM	56.1	44.8
01:30 PM - 01:35 PM	52.3	38.6	07:10 PM - 07:15 PM	54.7	43.6	09:50 PM - 09:55 PM	57.1	42.4
01:35 PM - 01:40 PM	60.4	38.3	07:15 PM - 07:20 PM	48.8	43.7	09:55 PM - 10:00 PM	55.3	43.9
01:40 PM - 01:45 PM	52.0	38.1	07:20 PM - 07:25 PM	52.9	43.8	10:00 PM - 10:05 PM	56.0	42.4
01:45 PM - 01:50 PM	52.0	38.3	07:25 PM - 07:30 PM	45.2	43.8	10:05 PM - 10:10 PM	56.3	43.2
01:50 PM - 01:55 PM	47.5	37.8	07:30 PM - 07:35 PM	48.2	44.1	10:10 PM - 10:15 PM	53.5	42.0
01:55 PM - 02:00 PM	39.7	36.8	07:35 PM - 07:40 PM	45.6	42.3	10:15 PM - 10:20 PM	54.2	41.4
02:00 PM - 02:05 PM	45.9	38.4	07:40 PM - 07:45 PM	42.7	42.0	10:20 PM - 10:25 PM	52.5	40.4
02:05 PM - 02:10 PM	61.8	40.3	07:45 PM - 07:50 PM	47.8	42.6	10:25 PM - 10:30 PM	53.3	41.4
02:10 PM - 02:15 PM	54.8	39.9	07:50 PM - 07:55 PM	48.4	42.9	10:30 PM - 10:35 PM	53.5	41.6
02:15 PM - 02:20 PM	58.2	40.9	07:55 PM - 08:00 PM	50.5	43.6	10:35 PM - 10:40 PM	54.3	41.6
02:20 PM - 02:25 PM	54.0	39.2	08:00 PM - 08:05 PM	50.7	42.6	10:40 PM - 10:45 PM	57.5	40.5
02:25 PM - 02:30 PM	57.8	38.5	08:05 PM - 08:10 PM	48.6	42.3	10:45 PM - 10:50 PM	49.2	40.8
02:30 PM - 02:35 PM	45.4	38.2	08:10 PM - 08:15 PM	58.7	51.8	10:50 PM - 10:55 PM	53.8	42.1
02:35 PM - 02:40 PM	48.8	40.2	08:15 PM - 08:20 PM	66.7	49.2	10:55 PM - 11:00 PM	56.4	42.6
02:40 PM - 02:45 PM	52.6	40.8	08:20 PM - 08:25 PM	52.1	42.4	11:00 PM - 11:05 PM	53.4	41.6
02:45 PM - 02:50 PM	59.5	41.5	08:25 PM - 08:30 PM	56.8	44.0	11:05 PM - 11:10 PM	52.5	41.3
02:50 PM - 02:55 PM	50.5	40.2	08:30 PM - 08:35 PM	56.7	43.7	11:10 PM - 11:15 PM	48.8	41.3
02:55 PM - 03:00 PM	57.3	40.1	08:35 PM - 08:40 PM	56.1	43.6	11:15 PM - 11:20 PM	53.7	41.2
03:00 PM - 03:05 PM	51.6	39.1	08:40 PM - 08:45 PM	58.2	45.5	11:20 PM - 11:25 PM	44.1	41.1
03:05 PM - 03:10 PM	47.0	39.2	08:45 PM - 08:50 PM	57.4	44.1	11:25 PM - 11:30 PM	51.6	40.6
03:10 PM - 03:15 PM	59.9	41.4	08:50 PM - 08:55 PM	58.8	44.5	11:30 PM - 11:35 PM	48.6	39.8
03:15 PM - 03:20 PM	48.4	40.5	08:55 PM - 09:00 PM	55.4	42.5	11:35 PM - 11:40 PM	52.1	40.1
03:20 PM - 03:25 PM	45.5	40.9	09:00 PM - 09:05 PM	58.7	43.0	11:40 PM - 11:45 PM	54.4	40.0
03:25 PM - 03:30 PM	57.5	43.0	09:05 PM - 09:10 PM	59.3	42.3	11:45 PM - 11:50 PM	53.7	39.5
03:30 PM - 03:35 PM	66.8	43.5	09:10 PM - 09:15 PM	58.3	42.8	11:50 PM - 11:55 PM	55.2	39.4
03:35 PM - 03:40 PM	52.7	43.5	09:15 PM - 09:20 PM	55.7	42.1	11:55 PM - 12:00 AM	53.3	39.8

Approved by

Sarayu Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.

203/115 26TH Fl. Talitha Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310

P/O : RJN-LCB-033/66

Project Name : Laemchabang

Project Location :

Lot ID: 24110374

Date Received : Nov 06, 2024

Date Reported : Nov 11, 2024

Report Number : 3161937-1

Page 2 of 3

Sample Number	24110374-5										
Parameter	Noise Level (Leq 5 min)										
Location	N1 : ถนนพหลโยธินกิโลเมตรที่ 2										
Measurement Date	Oct 30 - Oct 31, 2024										
Measurement by	Santi Chakchana										
Sound Level meter	Serial No. 00233184										
Oct 31, 2024	Leq	L90	Oct 31, 2024	Leq	L90	Oct 31, 2024	Leq	L90	Oct 31, 2024	Leq	L90
Time	#(dBA)	#(dBA)	Time	#(dBA)	#(dBA)	Time	#(dBA)	#(dBA)	Time	#(dBA)	#(dBA)
08:00 AM - 08:05 AM	51.3	33.8	10:40 AM - 10:45 AM	54.4	34.6	01:20 PM - 01:25 PM	57.7	35.1	04:00 PM - 04:05 PM	47.1	35.3
08:05 AM - 08:10 AM	56.3	36.8	10:45 AM - 10:50 AM	52.5	32.7	01:25 PM - 01:30 PM	38.4	36.4	04:05 PM - 04:10 PM	42.3	35.3
08:10 AM - 08:15 AM	58.6	37.2	10:50 AM - 10:55 AM	54.4	34.3	01:30 PM - 01:35 PM	48.3	35.4	04:10 PM - 04:15 PM	53.1	36.9
08:15 AM - 08:20 AM	48.6	36.8	10:55 AM - 11:00 AM	56.9	35.8	01:35 PM - 01:40 PM	50.3	36.1	04:15 PM - 04:20 PM	52.1	37.3
08:20 AM - 08:25 AM	41.4	35.4	11:00 AM - 11:05 AM	57.6	34.8	01:40 PM - 01:45 PM	46.5	35.0	04:20 PM - 04:25 PM	41.0	35.6
08:25 AM - 08:30 AM	53.3	36.5	11:05 AM - 11:10 AM	58.8	36.0	01:45 PM - 01:50 PM	39.6	37.5	04:25 PM - 04:30 PM	42.8	35.5
08:30 AM - 08:35 AM	52.6	35.5	11:10 AM - 11:15 AM	56.0	32.6	01:50 PM - 01:55 PM	54.4	38.7	04:30 PM - 04:35 PM	53.2	40.7
08:35 AM - 08:40 AM	36.5	32.7	11:15 AM - 11:20 AM	39.6	34.6	01:55 PM - 02:00 PM	45.6	38.8	04:35 PM - 04:40 PM	41.5	39.9
08:40 AM - 08:45 AM	52.7	34.2	11:20 AM - 11:25 AM	54.5	35.2	02:00 PM - 02:05 PM	47.6	39.4	04:40 PM - 04:45 PM	40.7	39.4
08:45 AM - 08:50 AM	47.2	32.5	11:25 AM - 11:30 AM	58.5	35.6	02:05 PM - 02:10 PM	38.1	39.5	04:45 PM - 04:50 PM	50.2	40.4
08:50 AM - 08:55 AM	43.3	33.3	11:30 AM - 11:35 AM	55.8	34.7	02:10 PM - 02:15 PM	46.2	39.4	04:50 PM - 04:55 PM	57.1	40.5
08:55 AM - 09:00 AM	38.2	26.4	11:35 AM - 11:40 AM	54.6	35.9	02:15 PM - 02:20 PM	40.9	39.5	04:55 PM - 05:00 PM	64.8	41.7
09:00 AM - 09:05 AM	66.2	37.4	11:40 AM - 11:45 AM	50.1	35.8	02:20 PM - 02:25 PM	57.2	40.2	05:00 PM - 05:05 PM	50.3	41.2
09:05 AM - 09:10 AM	40.0	36.4	11:45 AM - 11:50 AM	52.4	35.0	02:25 PM - 02:30 PM	60.6	39.8	05:05 PM - 05:10 PM	54.9	40.9
09:10 AM - 09:15 AM	52.2	34.8	11:50 AM - 11:55 AM	56.5	34.1	02:30 PM - 02:35 PM	45.1	39.1	05:10 PM - 05:15 PM	51.0	41.6
09:15 AM - 09:20 AM	50.8	33.6	11:55 AM - 12:00 PM	47.6	33.4	02:35 PM - 02:40 PM	56.8	42.8	05:15 PM - 05:20 PM	53.4	42.4
09:20 AM - 09:25 AM	50.8	35.2	12:00 PM - 12:05 PM	54.3	34.2	02:40 PM - 02:45 PM	47.8	40.0	05:20 PM - 05:25 PM	44.1	40.6
09:25 AM - 09:30 AM	54.0	34.5	12:05 PM - 12:10 PM	56.4	38.3	02:45 PM - 02:50 PM	49.9	39.8	05:25 PM - 05:30 PM	49.3	41.4
09:30 AM - 09:35 AM	53.6	34.8	12:10 PM - 12:15 PM	49.9	37.3	02:50 PM - 02:55 PM	52.1	39.8	05:30 PM - 05:35 PM	49.6	42.2
09:35 AM - 09:40 AM	61.7	37.5	12:15 PM - 12:20 PM	57.1	37.1	02:55 PM - 03:00 PM	51.2	40.6	05:35 PM - 05:40 PM	57.4	43.1
09:40 AM - 09:45 AM	41.1	35.7	12:20 PM - 12:25 PM	58.2	37.8	03:00 PM - 03:05 PM	45.2	40.2	05:40 PM - 05:45 PM	56.5	39.3
09:45 AM - 09:50 AM	58.6	34.1	12:25 PM - 12:30 PM	47.7	37.3	03:05 PM - 03:10 PM	42.0	40.4	05:45 PM - 05:50 PM	53.0	39.3
09:50 AM - 09:55 AM	40.5	36.6	12:30 PM - 12:35 PM	56.3	38.3	03:10 PM - 03:15 PM	53.5	39.2	05:50 PM - 05:55 PM	60.0	40.6
09:55 AM - 10:00 AM	58.1	35.0	12:35 PM - 12:40 PM	46.9	37.1	03:15 PM - 03:20 PM	46.1	39.5	05:55 PM - 06:00 PM	45.5	41.5
10:00 AM - 10:05 AM	47.5	34.5	12:40 PM - 12:45 PM	52.7	37.7	03:20 PM - 03:25 PM	43.4	38.5	06:00 PM - 06:05 PM	47.0	40.5
10:05 AM - 10:10 AM	56.3	35.3	12:45 PM - 12:50 PM	42.2	36.5	03:25 PM - 03:30 PM	52.0	36.7	06:05 PM - 06:10 PM	50.2	40.7
10:10 AM - 10:15 AM	58.6	36.7	12:50 PM - 12:55 PM	54.8	37.5	03:30 PM - 03:35 PM	40.0	37.4	06:10 PM - 06:15 PM	54.7	42.3
10:15 AM - 10:20 AM	53.8	36.0	12:55 PM - 01:00 PM	54.9	37.7	03:35 PM - 03:40 PM	39.0	36.5	06:15 PM - 06:20 PM	47.5	40.9
10:20 AM - 10:25 AM	56.8	34.8	01:00 PM - 01:05 PM	54.7	36.8	03:40 PM - 03:45 PM	44.6	36.8	06:20 PM - 06:25 PM	51.7	41.6
10:25 AM - 10:30 AM	53.0	34.0	01:05 PM - 01:10 PM	46.9	37.0	03:45 PM - 03:50 PM	60.1	37.0	06:25 PM - 06:30 PM	54.5	42.6
10:30 AM - 10:35 AM	53.1	33.0	01:10 PM - 01:15 PM	52.4	36.6	03:50 PM - 03:55 PM	47.8	38.0	06:30 PM - 06:35 PM	54.1	43.1
10:35 AM - 10:40 AM	53.6	33.1	01:15 PM - 01:20 PM	56.2	35.3	03:55 PM - 04:00 PM	40.6	37.4	06:35 PM - 06:40 PM	48.4	42.4

Approved by

Sarayu Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.

203/115 26TH Fl. Tal



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
204/115 26TH Fl. 11ththai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RNL-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110374
Date Received :Nov 06, 2024
Date Reported :Nov 11, 2024
Report Number :3161938-1

Sample Number : 24110374-6
Parameter : Noise Level (Leq 5 min)
Location : N1 : อาคารพาณิชย์อาคารที่ 2
Measurement Date : Oct 31 - Nov 01, 2024
Measurement by : Santi Chaiachana
Sound Level meter : Serial No. 00233184

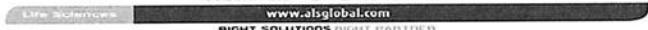
Nov 01, 2024			Nov 01, 2024			Nov 01, 2024		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
12:00 AM - 12:05 AM	49.8	42.5	02:40 AM - 02:45 AM	36.5	37.3	05:20 AM - 05:25 AM	41.5	40.4
12:05 AM - 12:10 AM	51.2	43.4	02:45 AM - 02:50 AM	42.3	36.8	05:25 AM - 05:30 AM	41.8	39.8
12:10 AM - 12:15 AM	46.5	41.5	02:50 AM - 02:55 AM	37.7	36.4	05:30 AM - 05:35 AM	42.5	40.1
12:15 AM - 12:20 AM	51.1	40.1	02:55 AM - 03:00 AM	38.6	36.5	05:35 AM - 05:40 AM	48.5	40.7
12:20 AM - 12:25 AM	45.7	39.8	03:00 AM - 03:05 AM	40.5	38.0	05:40 AM - 05:45 AM	43.4	41.5
12:25 AM - 12:30 AM	61.8	41.3	03:05 AM - 03:10 AM	39.4	38.0	05:45 AM - 05:50 AM	44.8	40.8
12:30 AM - 12:35 AM	46.1	42.3	03:10 AM - 03:15 AM	38.8	37.8	05:50 AM - 05:55 AM	44.8	39.6
12:35 AM - 12:40 AM	46.7	43.6	03:15 AM - 03:20 AM	40.1	38.8	05:55 AM - 06:00 AM	42.3	40.5
12:40 AM - 12:45 AM	51.3	43.5	03:20 AM - 03:25 AM	40.1	38.2	06:00 AM - 06:05 AM	44.8	40.6
12:45 AM - 12:50 AM	47.5	42.8	03:25 AM - 03:30 AM	38.6	37.9	06:05 AM - 06:10 AM	42.1	40.5
12:50 AM - 12:55 AM	45.2	40.8	03:30 AM - 03:35 AM	44.1	38.8	06:10 AM - 06:15 AM	42.0	40.4
12:55 AM - 01:00 AM	56.5	41.3	03:35 AM - 03:40 AM	52.8	38.4	06:15 AM - 06:20 AM	50.1	42.2
01:00 AM - 01:05 AM	49.0	41.7	03:40 AM - 03:45 AM	55.4	55.1	06:20 AM - 06:25 AM	51.7	42.1
01:05 AM - 01:10 AM	68.2	40.6	03:45 AM - 03:50 AM	55.5	55.1	06:25 AM - 06:30 AM	45.6	41.2
01:10 AM - 01:15 AM	54.0	40.3	03:50 AM - 03:55 AM	60.0	38.3	06:30 AM - 06:35 AM	47.5	42.1
01:15 AM - 01:20 AM	43.8	39.1	03:55 AM - 04:00 AM	38.0	36.7	06:35 AM - 06:40 AM	55.7	42.3
01:20 AM - 01:25 AM	44.4	40.3	04:00 AM - 04:05 AM	38.6	37.3	06:40 AM - 06:45 AM	47.4	42.8
01:25 AM - 01:30 AM	42.4	39.1	04:05 AM - 04:10 AM	27.9	36.7	06:45 AM - 06:50 AM	46.7	42.6
01:30 AM - 01:35 AM	42.1	38.2	04:10 AM - 04:15 AM	37.8	36.5	06:50 AM - 06:55 AM	50.2	44.6
01:35 AM - 01:40 AM	41.8	37.0	04:15 AM - 04:20 AM	47.7	38.2	06:55 AM - 07:00 AM	50.6	42.2
01:40 AM - 01:45 AM	42.2	38.4	04:20 AM - 04:25 AM	42.3	40.0	07:00 AM - 07:05 AM	49.2	42.3
01:45 AM - 01:50 AM	43.3	41.8	04:25 AM - 04:30 AM	39.7	37.9	07:05 AM - 07:10 AM	44.1	42.1
01:50 AM - 01:55 AM	42.8	40.5	04:30 AM - 04:35 AM	40.6	38.2	07:10 AM - 07:15 AM	55.3	42.6
01:55 AM - 02:00 AM	41.9	40.5	04:35 AM - 04:40 AM	41.0	38.6	07:15 AM - 07:20 AM	45.8	41.1
02:00 AM - 02:05 AM	44.1	38.5	04:40 AM - 04:45 AM	39.4	37.1	07:20 AM - 07:25 AM	53.0	43.6
02:05 AM - 02:10 AM	38.6	37.7	04:45 AM - 04:50 AM	40.0	37.5	07:25 AM - 07:30 AM	62.0	44.0
02:10 AM - 02:15 AM	37.8	36.8	04:50 AM - 04:55 AM	43.0	38.8	07:30 AM - 07:35 AM	52.5	43.9
02:15 AM - 02:20 AM	37.8	36.7	04:55 AM - 05:00 AM	39.4	38.0	07:35 AM - 07:40 AM	54.6	43.8
02:20 AM - 02:25 AM	37.1	36.3	05:00 AM - 05:05 AM	40.0	38.2	07:40 AM - 07:45 AM	51.6	42.3
02:25 AM - 02:30 AM	45.5	37.0	05:05 AM - 05:10 AM	40.6	38.3	07:45 AM - 07:50 AM	48.9	42.2
02:30 AM - 02:35 AM	37.8	36.5	05:10 AM - 05:15 AM	41.5	40.5	07:50 AM - 07:55 AM	52.2	42.2
02:35 AM - 02:40 AM	41.8	36.4	05:15 AM - 05:20 AM	40.9	39.4	07:55 AM - 08:00 AM	61.9	41.5

The data which are used for the analysis and report are based on the data which are recorded by the sound level meter and the data which are recorded by the sound level meter are not guaranteed to be accurate and the data which are recorded by the sound level meter are not guaranteed to be accurate and the data which are recorded by the sound level meter are not guaranteed to be accurate.

Approved by

Sarayuht Jitrantont
Assistant General Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
204/115 26TH Fl. 11ththai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RNL-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110374
Date Received :Nov 06, 2024
Date Reported :Nov 11, 2024
Report Number :3161939-1

Sample Number : 24110374-7
Parameter : Noise Level (Leq 5 min)
Location : N1 : อาคารพาณิชย์อาคารที่ 2
Measurement Date : Nov 01 - Nov 02, 2024
Measurement by : Santi Chaiachana
Sound Level meter : Serial No. 00233184

Nov 01, 2024			Nov 01, 2024			Nov 01, 2024		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
04:00 PM - 04:05 PM	37.1	35.4	06:40 PM - 06:45 PM	33.3	41.3	09:20 PM - 09:25 PM	48.0	44.4
04:05 PM - 04:10 PM	42.0	36.9	06:45 PM - 06:50 PM	51.6	46.4	09:25 PM - 09:30 PM	57.8	46.4
04:10 PM - 04:15 PM	42.1	38.2	06:50 PM - 06:55 PM	48.8	41.9	09:30 PM - 09:35 PM	63.5	45.4
04:15 PM - 04:20 PM	41.7	37.1	06:55 PM - 07:00 PM	43.0	42.1	09:35 PM - 09:40 PM	52.3	44.4
04:20 PM - 04:25 PM	45.2	37.4	07:00 PM - 07:05 PM	53.6	42.3	09:40 PM - 09:45 PM	56.6	45.8
04:25 PM - 04:30 PM	46.2	38.5	07:05 PM - 07:10 PM	49.1	43.1	09:45 PM - 09:50 PM	51.6	43.9
04:30 PM - 04:35 PM	52.8	39.2	07:10 PM - 07:15 PM	58.9	42.9	09:50 PM - 09:55 PM	66.1	45.2
04:35 PM - 04:40 PM	41.4	40.4	07:15 PM - 07:20 PM	57.3	42.4	09:55 PM - 10:00 PM	61.2	41.1
04:40 PM - 04:45 PM	49.8	42.3	07:20 PM - 07:25 PM	57.3	42.4	10:00 PM - 10:05 PM	52.8	41.1
04:45 PM - 04:50 PM	52.2	41.6	07:25 PM - 07:30 PM	42.5	41.2	10:05 PM - 10:10 PM	63.8	41.9
04:50 PM - 04:55 PM	50.3	41.2	07:30 PM - 07:35 PM	44.1	40.7	10:10 PM - 10:15 PM	65.4	41.7
04:55 PM - 05:00 PM	54.9	42.0	07:35 PM - 07:40 PM	55.9	42.1	10:15 PM - 10:20 PM	66.7	50.9
05:00 PM - 05:05 PM	51.6	41.7	07:40 PM - 07:45 PM	62.5	42.6	10:20 PM - 10:25 PM	64.1	46.5
05:05 PM - 05:10 PM	52.3	41.7	07:45 PM - 07:50 PM	61.6	42.5	10:25 PM - 10:30 PM	64.3	41.6
05:10 PM - 05:15 PM	55.7	45.3	07:50 PM - 07:55 PM	64.1	42.8	10:30 PM - 10:35 PM	57.0	40.0
05:15 PM - 05:20 PM	51.8	41.2	07:55 PM - 08:00 PM	65.4	42.8	10:35 PM - 10:40 PM	64.7	40.0
05:20 PM - 05:25 PM	42.4	40.5	08:00 PM - 08:05 PM	65.7	43.3	10:40 PM - 10:45 PM	64.1	41.3
05:25 PM - 05:30 PM	45.8	40.7	08:05 PM - 08:10 PM	60.0	43.2	10:45 PM - 10:50 PM	63.4	51.5
05:30 PM - 05:35 PM	53.1	41.3	08:10 PM - 08:15 PM	65.4	42.6	10:50 PM - 10:55 PM	62.7	53.4
05:35 PM - 05:40 PM	53.7	41.9	08:15 PM - 08:20 PM	64.0	44.0	10:55 PM - 11:00 PM	57.9	39.9
05:40 PM - 05:45 PM	52.8	42.2	08:20 PM - 08:25 PM	65.5	42.8	11:00 PM - 11:05 PM	64.1	40.4
05:45 PM - 05:50 PM	49.3	40.2	08:25 PM - 08:30 PM	65.5	42.5	11:05 PM - 11:10 PM	61.5	39.7
05:50 PM - 05:55 PM	62.3	40.5	08:30 PM - 08:35 PM	60.0	44.3	11:10 PM - 11:15 PM	63.1	48.4
05:55 PM - 06:00 PM	40.9	38.6	08:35 PM - 08:40 PM	64.5	43.5	11:15 PM - 11:20 PM	59.9	40.7
06:00 PM - 06:05 PM	45.4	40.9	08:40 PM - 08:45 PM	58.4	44.3	11:20 PM - 11:25 PM	59.9	41.5
06:05 PM - 06:10 PM	53.5	39.3	08:45 PM - 08:50 PM	66.9	45.4	11:25 PM - 11:30 PM	54.9	38.5
06:10 PM - 06:15 PM	48.5	39.8	08:50 PM - 08:55 PM	59.3	44.3	11:30 PM - 11:35 PM	56.9	39.1
06:15 PM - 06:20 PM	51.8	38.4	08:55 PM - 09:00 PM	59.3	40.0	11:35 PM - 11:40 PM	58.2	40.4
06:20 PM - 06:25 PM	56.8	38.4	09:00 PM - 09:05 PM	62.9	42.8	11:40 PM - 11:45 PM	51.6	40.8
06:25 PM - 06:30 PM	50.7	37.8	09:05 PM - 09:10 PM	57.7	42.2	11:45 PM - 11:50 PM	48.5	39.1
06:30 PM - 06:35 PM	51.1	39.8	09:10 PM - 09:15 PM	57.5	40.8	11:50 PM - 11:55 PM	59.6	40.3
06:35 PM - 06:40 PM	57.8	40.4	09:15 PM - 09:20 PM	55.4	45.1	11:55 PM - 12:00 AM	53.2	39.7

The data which are used for the analysis and report are based on the data which are recorded by the sound level meter and the data which are recorded by the sound level meter are not guaranteed to be accurate and the data which are recorded by the sound level meter are not guaranteed to be accurate and the data which are recorded by the sound level meter are not guaranteed to be accurate.

Approved by

Sarayuht Jitrantont
Assistant General Manager

ALSGEN-616/10 Moo 5 T. Maenam Khu A. Phakdang Rayong 21140 Thailand. TEL: +66 0 3304 8555 FAX: +66 0 3304 8556



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
204/115 26TH Fl. 11ththai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RNL-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110374
Date Received :Nov 06, 2024
Date Reported :Nov 11, 2024
Report Number :3161938-1

Sample Number : 24110374-6
Parameter : Noise Level (Leq 5 min)
Location : N1 : อาคารพาณิชย์อาคารที่ 2
Measurement Date : Oct 31 - Nov 01, 2024
Measurement by : Santi Chaiachana
Sound Level meter : Serial No. 00233184

Nov 01, 2024			Nov 01, 2024			Nov 01, 2024		
Time	Leq (dB(A))	L90 (dB(A))	Time	Leq (dB(A))	L90 (dB(A))	Time	Leq (dB(A))	L90 (dB(A))
08:00 AM - 08:05 AM	52.4	41.2	10:40 AM - 10:45 AM	55.9	34.4	01:20 PM - 01:25 PM	49.0	37.8
08:05 AM - 08:10 AM	52.0	40.5	10:45 AM - 10:50 AM	53.1	35.0	01:25 PM - 01:30 PM	48.2	39.8
08:10 AM - 08:15 AM	49.8	39.8	10:50 AM - 10:55 AM	47.9	34.4	01:30 PM - 01:35 PM	50.8	37.8
08:15 AM - 08:20 AM	63.2	38.5	10:55 AM - 11:00 AM	49.2	32.6	01:35 PM - 01:40 PM	46.8	38.1
08:20 AM - 08:25 AM	52.9	36.5	11:00 AM - 11:05 AM	56.8	31.9	01:40 PM - 01:45 PM	57.2	39.4
08:25 AM - 08:30 AM	54.5	35.5	11:05 AM - 11:10 AM	47.4	32.8	01:45 PM - 01:50 PM	47.3	38.0
08:30 AM - 08:35 AM	56.4	36.4	11:10 AM - 11:15 AM	65.4	37.3	01:50 PM - 01:55 PM	47.0	38.4
08:35 AM - 08:40 AM	46.1	34.5	11:15 AM - 11:20 AM	47.8	37.4	01:55 PM - 02:00 PM	49.8	37.7
08:40 AM - 08:45 AM	44.2	34.7	11:20 AM - 11:25 AM	34.3	32.7	02:00 PM - 02:05 PM	49.4	32.4
08:45 AM - 08:50 AM	37.2	34.8	11:25 AM - 11:30 AM	56.1	34.2	02:05 PM - 02:10 PM	41.4	36.4
08:50 AM - 08:55 AM	41.8	34.3	11:30 AM - 11:35 AM	36.4	32.4	02:10 PM - 02:15 PM	52.0	32.7
08:55 AM - 09:00 AM	62.9	34.2	11:35 AM - 11:40 AM	58.5	34.8	02:15 PM - 02:20 PM	53.2	37.3
09:00 AM - 09:05 AM	56.8	34.5	11:40 AM - 11:45 AM	56.8	32.6	02:20 PM - 02:25 PM	39.0	36.8
09:05 AM - 09:10 AM	42.6	34.5	11:45 AM - 11:50 AM	45.2	33.1	02:25 PM - 02:30 PM	54.9	36.9
09:10 AM - 09:15 AM	53.1	34.7	11:50 AM - 11:55 AM	52.2	33.5	02:30 PM - 02:35 PM	51.4	36.7
09:15 AM - 09:20 AM	52.0	34.5	11:55 AM - 12:00 PM	55.4	35.8	02:35 PM - 02:40 PM	51.7	37.6
09:20 AM - 09:25 AM	60.7	33.8	12:00 PM - 12:05 PM	41.2	35.0	02:40 PM - 02:45 PM	42.5	37.3
09:25 AM - 09:30 AM	48.9	34.3	12:05 PM - 12:10 PM	47.9	35.8	02:45 PM - 02:50 PM	48.2	37.1
09:30 AM - 09:35 AM	45.3	35.7	12:10 PM - 12:15 PM	48.9	36.0	02:50 PM - 02:55 PM	46.3	37.0
09:35 AM - 09:40 AM	47.3	34.7	12:15 PM - 12:20 PM	54.1	34.7	02:55 PM - 03:00 PM	48.1	37.3
09:40 AM - 09:45 AM	53.1	32.5	12:20 PM - 12:25 PM	35.7	34.2	03:00 PM - 03:05 PM	45.8	37.5
09:45 AM - 09:50 AM	45.3	35.7	12:25 PM - 12:30 PM	58.8	35.7	03:05 PM - 03:10 PM	51.4	39.2
09:50 AM - 09:55 AM	45.8	34.8	12:30 PM - 12:35 PM	51.1	33.9	03:10 PM - 03:15 PM	49.3	38.9
09:55 AM - 10:00 AM	44.9	33.2	12:35 PM - 12:40 PM	46.8	34.6	03:15 PM - 03:20 PM	40.7	36.6
10:00 AM - 10:05 AM	53.9	33.7	12:40 PM - 12:45 PM	47.7	35.2	03:20 PM - 03:25 PM	48.4	35.9
10:05 AM - 10:10 AM	53.0	34.2	12:45 PM - 12:50 PM	41.5	34.7	03:25 PM - 03:30 PM	39.8	35.4
10:10 AM - 10:15 AM	45.3	35.7	12:50 PM - 12:55 PM	52.4	34.9	03:30 PM - 03:35 PM	54.4	36.4
10:15 AM - 10:20 AM	54.8	34.8	12:55 PM - 01:00 PM	51.1	34.6	03:35 PM - 03:40 PM	48.7	36.3
10:20 AM - 10:25 AM	52.6	34.5	01:00 PM - 01:05 PM	42.6	35.9	01:40 PM - 01:45 PM	54.1	35.3
10:25 AM - 10:30 AM	40.3	35.3	01:05 PM - 01:10 PM	37.9	36.2	01:45 PM - 01:50 PM	53.5	35.1
10:30 AM - 10:35 AM	40.6	34.0	01:10 PM - 01:15 PM	50.2	35.0	01:50 PM - 01:55 PM	55.1	35.5
10:35 AM - 10:40 AM	52.7	33.2	01:15 PM - 01:20 PM	39.7	38.7	01:55 PM - 02:00 PM	51.9	35.5



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italbhai Tower, New Petchburi Road, Bangkok, Huaykang, Bangkok
Thailand 10310
P/O : RJN-ICB-033/66
Project Name : Laemchabang
Project Location :

Let ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161939-1

Page 3 of 3

Sample Number		24110374-7	
Parameter		Noise Level (Leq 5 min)	
Location		N1 : บ้านสวนพหลโยธินตัดซอย 2	
Measurement Date		Nov 01 - Nov 02, 2024	
Measurement by		Santi Chachana	
Sound Level meter		Serial No. 0023184	
Nov 02, 2024		Nov 02, 2024	
Time	Leq dB(A)	Time	Leq dB(A)
08:00 AM - 08:05 AM	57.8	10:40 AM - 10:45 AM	64.0
08:05 AM - 08:10 AM	58.9	10:45 AM - 10:50 AM	61.3
08:10 AM - 08:15 AM	51.5	10:50 AM - 10:55 AM	53.0
08:15 AM - 08:20 AM	51.6	10:55 AM - 11:00 AM	42.1
08:20 AM - 08:25 AM	51.6	11:00 AM - 11:05 AM	55.9
08:25 AM - 08:30 AM	56.2	11:05 AM - 11:10 AM	52.7
08:30 AM - 08:35 AM	62.7	11:10 AM - 11:15 AM	47.8
08:35 AM - 08:40 AM	49.5	11:15 AM - 11:20 AM	64.8
08:40 AM - 08:45 AM	60.2	11:20 AM - 11:25 AM	58.6
08:45 AM - 08:50 AM	54.2	11:25 AM - 11:30 AM	49.9
08:50 AM - 08:55 AM	50.8	11:30 AM - 11:35 AM	46.1
08:55 AM - 09:00 AM	45.6	11:35 AM - 11:40 AM	57.3
09:00 AM - 09:05 AM	45.4	11:40 AM - 11:45 AM	56.2
09:05 AM - 09:10 AM	48.0	11:45 AM - 11:50 AM	54.7
09:10 AM - 09:15 AM	47.7	11:50 AM - 11:55 AM	56.8
09:15 AM - 09:20 AM	47.4	11:55 AM - 12:00 PM	62.1
09:20 AM - 09:25 AM	53.4	12:00 PM - 12:05 PM	59.6
09:25 AM - 09:30 AM	48.2	12:05 PM - 12:10 PM	63.3
09:30 AM - 09:35 AM	44.9	12:10 PM - 12:15 PM	32.5
09:35 AM - 09:40 AM	49.8	12:15 PM - 12:20 PM	39.1
09:40 AM - 09:45 AM	52.7	12:20 PM - 12:25 PM	56.7
09:45 AM - 09:50 AM	46.4	12:25 PM - 12:30 PM	34.6
09:50 AM - 09:55 AM	44.0	12:30 PM - 12:35 PM	54.7
09:55 AM - 10:00 AM	57.0	12:35 PM - 12:40 PM	57.5
10:00 AM - 10:05 AM	44.8	12:40 PM - 12:45 PM	47.7
10:05 AM - 10:10 AM	55.9	12:45 PM - 12:50 PM	39.5
10:10 AM - 10:15 AM	53.4	12:50 PM - 12:55 PM	50.9
10:15 AM - 10:20 AM	57.4	12:55 PM - 01:00 PM	53.6
10:20 AM - 10:25 AM	45.5	01:00 PM - 01:05 PM	43.2
10:25 AM - 10:30 AM	57.4	01:05 PM - 01:10 PM	50.7
10:30 AM - 10:35 AM	56.2	01:10 PM - 01:15 PM	46.2
10:35 AM - 10:40 AM	55.5	01:15 PM - 01:20 PM	51.9
10:40 AM - 10:45 AM	62.1	01:20 PM - 01:25 PM	43.2
10:45 AM - 10:50 AM	58.6	01:25 PM - 01:30 PM	49.9
10:50 AM - 10:55 AM	46.1	01:30 PM - 01:35 PM	46.8
10:55 AM - 11:00 AM	57.3	01:35 PM - 01:40 PM	46.4
11:00 AM - 11:05 AM	42.1	01:40 PM - 01:45 PM	55.9
11:05 AM - 11:10 AM	55.9	01:45 PM - 01:50 PM	46.2
11:10 AM - 11:15 AM	52.7	01:50 PM - 01:55 PM	60.2
11:15 AM - 11:20 AM	47.8	01:55 PM - 02:00 PM	45.5
11:20 AM - 11:25 AM	64.8	02:00 PM - 02:05 PM	58.6
11:25 AM - 11:30 AM	58.6	02:05 PM - 02:10 PM	49.9
11:30 AM - 11:35 AM	49.9	02:10 PM - 02:15 PM	51.9
11:35 AM - 11:40 AM	57.3	02:15 PM - 02:20 PM	44.0
11:40 AM - 11:45 AM	56.2	02:20 PM - 02:25 PM	51.9
11:45 AM - 11:50 AM	54.7	02:25 PM - 02:30 PM	54.6
11:50 AM - 11:55 AM	56.8	02:30 PM - 02:35 PM	59.6
11:55 AM - 12:00 PM	62.1	02:35 PM - 02:40 PM	45.5
12:00 PM - 12:05 PM	59.6	02:40 PM - 02:45 PM	51.9
12:05 PM - 12:10 PM	63.3	02:45 PM - 02:50 PM	56.2
12:10 PM - 12:15 PM	32.5	02:50 PM - 02:55 PM	30.7
12:15 PM - 12:20 PM	39.1	02:55 PM - 03:00 PM	51.9
12:20 PM - 12:25 PM	56.7	03:00 PM - 03:05 PM	54.3
12:25 PM - 12:30 PM	34.6	03:05 PM - 03:10 PM	40.8
12:30 PM - 12:35 PM	54.7	03:10 PM - 03:15 PM	47.4
12:35 PM - 12:40 PM	57.5	03:15 PM - 03:20 PM	46.8
12:40 PM - 12:45 PM	47.7	03:20 PM - 03:25 PM	43.8
12:45 PM - 12:50 PM	39.5	03:25 PM - 03:30 PM	61.0
12:50 PM - 12:55 PM	50.9	03:30 PM - 03:35 PM	46.8
12:55 PM - 01:00 PM	53.6	03:35 PM - 03:40 PM	46.4
01:00 PM - 01:05 PM	43.2	03:40 PM - 03:45 PM	55.9
01:05 PM - 01:10 PM	50.7	03:45 PM - 03:50 PM	46.2
01:10 PM - 01:15 PM	46.2	03:50 PM - 03:55 PM	60.2
01:15 PM - 01:20 PM	51.9	03:55 PM - 04:00 PM	45.5

Approved by

Saranyit Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italbhai Tower, New Petchburi Road, Bangkok, Huaykang, Bangkok
Thailand 10310
P/O : RJN-ICB-033/66
Project Name : Laemchabang
Project Location :

Let ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161940-1

Page 2 of 3

Sample Number		24110374-8	
Parameter		Noise Level (Leq 5 min)	
Location		N2 : ถนนพหลโยธินตัดถนนสุขุมวิท 3	
Measurement Date		Oct 26 - Oct 27, 2024	
Measurement by		Santi Chachana	
Sound Level meter		Serial No. 01122567	
Oct 27, 2024		Oct 27, 2024	
Time	Leq dB(A)	Time	Leq dB(A)
01:00 AM - 01:05 AM	49.5	01:00 AM - 01:05 AM	47.6
01:05 AM - 01:10 AM	49.0	01:05 AM - 01:10 AM	46.9
01:10 AM - 01:15 AM	49.7	01:10 AM - 01:15 AM	46.1
01:15 AM - 01:20 AM	49.2	01:15 AM - 01:20 AM	46.0
01:20 AM - 01:25 AM	49.6	01:20 AM - 01:25 AM	45.6
01:25 AM - 01:30 AM	47.5	01:25 AM - 01:30 AM	46.8
01:30 AM - 01:35 AM	48.3	01:30 AM - 01:35 AM	47.1
01:35 AM - 01:40 AM	48.5	01:35 AM - 01:40 AM	47.5
01:40 AM - 01:45 AM	48.1	01:40 AM - 01:45 AM	47.7
01:45 AM - 01:50 AM	48.5	01:45 AM - 01:50 AM	47.6
01:50 AM - 01:55 AM	48.6	01:50 AM - 01:55 AM	44.2
01:55 AM - 02:00 AM	48.6	01:55 AM - 02:00 AM	47.5
02:00 AM - 02:05 AM	58.9	02:00 AM - 02:05 AM	58.6
02:05 AM - 02:10 AM	54.1	02:05 AM - 02:10 AM	52.0
02:10 AM - 02:15 AM	50.7	02:10 AM - 02:15 AM	51.6
02:15 AM - 02:20 AM	45.7	02:15 AM - 02:20 AM	49.1
02:20 AM - 02:25 AM	47.4	02:20 AM - 02:25 AM	49.7
02:25 AM - 02:30 AM	47.0	02:25 AM - 02:30 AM	50.5
02:30 AM - 02:35 AM	46.9	02:30 AM - 02:35 AM	51.2
02:35 AM - 02:40 AM	49.4	02:35 AM - 02:40 AM	51.0
02:40 AM - 02:45 AM	49.0	02:40 AM - 02:45 AM	51.1
02:45 AM - 02:50 AM	49.7	02:45 AM - 02:50 AM	51.2
02:50 AM - 02:55 AM	48.9	02:50 AM - 02:55 AM	50.3
02:55 AM - 03:00 AM	49.7	02:55 AM - 03:00 AM	51.2
03:00 AM - 03:05 AM	48.4	03:00 AM - 03:05 AM	51.3
03:05 AM - 03:10 AM	48.2	03:05 AM - 03:10 AM	51.8
03:10 AM - 03:15 AM	46.8	03:10 AM - 03:15 AM	52.3
03:15 AM - 03:20 AM	46.8	03:15 AM - 03:20 AM	53.5
03:20 AM - 03:25 AM	47.1	03:20 AM - 03:25 AM	52.4
03:25 AM - 03:30 AM	47.6	03:25 AM - 03:30 AM	51.4
03:30 AM - 03:35 AM	47.7	03:30 AM - 03:35 AM	54.4
03:35 AM - 03:40 AM	47.5	03:35 AM - 03:40 AM	54.1

Approved by

Saranyit Jitranont
Assistant General Manager

ADDRESS: 616/10 Moo 5 T. Maenam Khu A. Phakdang Rayong 21140 Thailand. PHONE: +66 0 3304 8555 FAX: +66 0 3304 8556



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italbhai Tower, New Petchburi Road, Bangkok, Huaykang, Bangkok
Thailand 10310
P/O : RJN-ICB-033/66
Project Name : Laemchabang
Project Location :

Let ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161940-1

Page 1 of 3

Sample Number			24110374-8				
Parameter			Noise Level (Leq 5 min)				
Location			N2 : ถนนพหลโยธินตัดถนนสุขุมวิท 3				
Measurement Date			Oct 26 - Oct 27, 2024				
Measurement by			Santi Chachana				
Sound Level meter			Serial No. 01122567				
Oct 26, 2024		Leq	L90	Oct 26, 2024		Leq	L90
Time		dB(A)	dB(A)	Time		dB(A)	dB(A)
05:00 PM - 05:05 PM		55.2	46.5	07:40 PM - 07:45 PM		55.1	52.7
05:05 PM - 05:10 PM		47.4	44.8	07:45 PM - 07:50 PM		54.6	51.9
05:10 PM - 05:15 PM		42.9	44.6	07:50 PM - 07:55 PM		54.8	52.5
05:15 PM - 05:20 PM		41.4	44.7	07:55 PM - 08:00 PM		53.9	50.6
05:20 PM - 05:25 PM		50.1	45.8	08:00 PM - 08:05 PM		52.1	50.5
05:25 PM - 05:30 PM		47.1	43.4	08:05 PM - 08:10 PM		52.6	51.3
05:30 PM - 05:35 PM		51.2	44.9	08:10 PM - 08:15 PM		52.4	50.8
05:35 PM - 05:40 PM		45.5	46.2	08:15 PM - 08:20 PM		51.9	50.7
05:40 PM - 05:45 PM		48.0	44.7	08:20 PM - 08:25 PM		52.4	51.4
05:45 PM - 05:50 PM		41.4	44.8	08:25 PM - 08:30 PM		52.3	51.1
05:50 PM - 05:55 PM		47.6	44.2	08:30 PM - 08:35 PM		52.3	50.7
05:55 PM - 06:00 PM		48.8	44.4	08:35 PM - 08:40 PM		52.9	51.4
06:00 PM - 06:05 PM		47.7	43.8	08:40 PM - 08:45 PM		52.8	51.2
06:05 PM - 06:10 PM		50.1	45.5	08:45 PM - 08:50 PM		52.6	50.5
06:10 PM - 06:15 PM		46.9	43.8	08:50 PM - 08:55 PM		52.0	50.1
06:15 PM - 06:20 PM		47.9	44.2	08:55 PM - 09:00 PM		52.2	50.6
06:20 PM - 06:25 PM		47.4	43.2	09:00 PM - 09:05 PM		52.2	50.7
06:25 PM - 06:30 PM		47.7	43.5	09:05 PM - 09:10 PM		51.9	50.3
06:30 PM - 06:35 PM		47.4	43.3	09:10 PM - 09:15 PM		51.8	49.6
06:35 PM - 06:40 PM		47.3	44.0	09:15 PM - 09:20 PM		51.1	49.1
06:40 PM - 06:45 PM		46.3	43.6	09:20 PM - 09:25 PM		52.4	49.7
06:45 PM - 06:50 PM		48.5	44.7	09:25 PM - 09:30 PM		50.6	48.6
06:50 PM - 06:55 PM		50.3	45.7	09:30 PM - 09:35 PM		50.2	48.0
06:55 PM - 07:00 PM		52.6	45.8	09:35 PM - 09:40 PM		50.3	48.9
07:00 PM - 07:05 PM		47.9	45.0	09:40 PM - 09:45 PM		50.8	47.4
07:05 PM - 07:10 PM		49.1	46.5	09:45 PM - 09:50 PM		50.6	48.6
07:10 PM - 07:15 PM		48.4	46.6	09:50 PM - 09:55 PM		50.5	49.1
07:15 PM - 07:20 PM		46.6	46.8	09:55 PM - 10:00 PM		50.0	48.0
07:20 PM - 07:25 PM		51.4	49.1	10:00 PM - 10:05 PM		49.2	47.7
07:25 PM - 07:30 PM		51.4	49.9	10:05 PM - 10:10 PM		49.6	48.2
07:30 PM - 07:35 PM		55.1	52.4	10:10 PM - 10:15 PM		49.3	47.5
07:35 PM - 07:40 PM		55.7	53.0	10:15 PM - 10:20 PM		48.9	47.6
10:20 PM - 10:25 PM		48.5	47.1	10:25 PM - 10:30 PM		48.1	47.2
10:25 PM - 10:30 PM		48.1	47.1	10:30 PM - 10:35 PM		48.4	47.6
10:30 PM - 10:35 PM		47.8	46.1	10:35 PM - 10:40 PM		48.0	47.8
10:35 PM - 10:40 PM		48.0	48.1	10:40 PM - 10:45 PM		48.1	47.2
10:40 PM - 10:45 PM		47.5	46.3	10:45 PM - 10:50 PM		48.2	46.8
10:45 PM - 10:50 PM		47.4	47.4	10:50 PM - 10:55 PM		48.4	47.4
10:50 PM - 10:55 PM		48.0	48.0	10:55 PM - 11:00 PM		48.0	48.0
10:55 PM - 11:00 PM		47.4	46.1	11:00 PM - 11:05 PM		47.4	46.1
11:00 PM - 11:05 PM		47.5	46.3	11:05 PM - 11:10 PM		47.5	46.3
11:05 PM - 11:10 PM		48.0	45.0	11:10 PM - 11:15 PM		47.8	45.0
11:10 PM - 11:15 PM		46.5	45.2	11:15 PM - 11:20 AM		46.5	45.2
11:15 PM - 11:20 AM		46.9	46.0	11:20 PM - 11:25 PM		46.9	46.0
11:20 PM - 11:25 PM		46.8	45.9	11:25 PM - 11:30 PM		46.6	45.9
11:25 PM - 11:30 PM		46.5	46.5	11:30 PM - 11:35 PM		46.0	46.5
11:30 PM - 11:35 PM		46.1	47.2	11:35 PM - 11:40 PM		46.1	47.2
11:35 PM - 11:40 PM		46.5	47.8	11:40 PM - 11:45 PM		46.5	47.8
11:40 PM - 11:45 PM		46.5	47.8	11:45 PM - 11:50 PM		46.5	47.8
11:45 PM - 11:50 PM		46.5	47.8	11:50 PM - 11:55 PM		46.5	47.8
11:50 PM - 11:55 PM		46.5	47.8	11:55 PM - 12:00 AM		46.5	47.8
11:55 PM - 12:00 AM		46.5	47.8	12:00 AM - 12:05 AM		46.5	47.8
12:00 AM - 12:05 AM		46.5	47.8	12:05 AM - 12:10 AM		46.5	47.8
12:05 AM - 12:10 AM		46.5	47.8	12:10 AM - 12:15 AM		46.5	47.8
12:10 AM - 12:15 AM		46.5	47.2	12:15 AM - 12:20 AM		46.7	46.7
12:15 AM - 12:20 AM		46.7	46.7	12:20 AM - 12:25 AM		46.8	47.0
12:20 AM - 12:25 AM		46.8	47.0	12:25 AM - 12:30 AM		46.4	47.1
12:25 AM - 12:30 AM		46.6	47.6	12:30 AM - 12:35 AM		46.6	47.4
12:30 AM - 12:35 AM		50.9	47.5	12:35 AM - 12:40 AM		47.6	47.6
12:35 AM - 12:40 AM		47.6	47.6	12:40 AM - 12:45 AM		47.6	47.6
12:40 AM - 12:45 AM		47.6	47.6	12:45 AM - 12:50 AM		47.6	47.6
12:45 AM - 12:50 AM		47.6	47.6	12:50 AM - 12:55 AM		47.6	47.6
12:50 AM - 12:55 AM		47.6	47.6	12:55 AM - 01:00 AM		51.2	48.0



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/4115 26TH Fl, Ithaihai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161941-1

Sample Number : 24110374-9
Parameter : Noise Level (Leq 5 min)
Location : N2 : ถนนพหลโยธิน/ถนนสุขุมวิท 3
Measurement Date : Oct 27 - Oct 28, 2024
Measurement by : Santi Chaihana
Sound Level meter : Serial No. 01122567

Oct 27, 2024			Oct 27, 2024			Oct 27, 2024			Oct 27, 2024		
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)
05:00 PM - 05:05 PM	51.7	51.7	07:40 PM - 07:45 PM	51.4	50.4	10:20 PM - 10:25 PM	51.0	50.7			
05:05 PM - 05:10 PM	54.4	51.2	07:45 PM - 07:50 PM	51.6	50.0	10:25 PM - 10:30 PM	52.8	51.5			
05:10 PM - 05:15 PM	54.8	50.8	07:50 PM - 07:55 PM	50.5	49.6	10:30 PM - 10:35 PM	52.1	51.2			
05:15 PM - 05:20 PM	52.6	50.6	07:55 PM - 08:00 PM	52.1	51.7	10:35 PM - 10:40 PM	51.9	50.6			
05:20 PM - 05:25 PM	51.6	52.2	08:00 PM - 08:05 PM	52.4	50.4	10:40 PM - 10:45 PM	52.4	51.3			
05:25 PM - 05:30 PM	52.0	49.2	08:05 PM - 08:10 PM	51.1	52.3	10:45 PM - 10:50 PM	51.5	50.0			
05:30 PM - 05:35 PM	53.0	51.8	08:10 PM - 08:15 PM	54.2	53.5	10:50 PM - 10:55 PM	47.5	48.7			
05:35 PM - 05:40 PM	53.4	50.8	08:15 PM - 08:20 PM	54.8	53.7	10:55 PM - 11:00 PM	46.5	45.1			
05:40 PM - 05:45 PM	56.2	52.9	08:20 PM - 08:25 PM	55.1	53.4	11:00 PM - 11:05 PM	47.2	45.2			
05:45 PM - 05:50 PM	49.8	49.8	08:25 PM - 08:30 PM	53.4	52.2	11:05 PM - 11:10 PM	49.2	45.4			
05:50 PM - 05:55 PM	53.7	50.6	08:30 PM - 08:35 PM	52.9	52.2	11:10 PM - 11:15 PM	49.9	47.6			
05:55 PM - 06:00 PM	53.7	51.1	08:35 PM - 08:40 PM	51.5	50.8	11:15 PM - 11:20 PM	49.8	47.2			
06:00 PM - 06:05 PM	53.0	51.9	08:40 PM - 08:45 PM	51.0	50.2	11:20 PM - 11:25 PM	46.3	44.2			
06:05 PM - 06:10 PM	54.3	51.8	08:45 PM - 08:50 PM	51.9	50.8	11:25 PM - 11:30 PM	45.9	43.4			
06:10 PM - 06:15 PM	54.4	51.6	08:50 PM - 08:55 PM	51.8	50.8	11:30 PM - 11:35 PM	51.6	50.2			
06:15 PM - 06:20 PM	50.8	49.5	08:55 PM - 09:00 PM	52.7	49.2	11:35 PM - 11:40 PM	50.2	48.6			
06:20 PM - 06:25 PM	51.7	50.8	09:00 PM - 09:05 PM	49.5	48.3	11:40 PM - 11:45 PM	49.8	43.3			
06:25 PM - 06:30 PM	49.5	49.6	09:05 PM - 09:10 PM	48.7	47.8	11:45 PM - 11:50 PM	41.8	42.2			
06:30 PM - 06:35 PM	51.4	46.4	09:10 PM - 09:15 PM	48.4	47.3	11:50 PM - 11:55 PM	45.2	42.8			
06:35 PM - 06:40 PM	52.4	46.4	09:15 PM - 09:20 PM	50.5	47.9	11:55 PM - 12:00 AM	46.9	44.5			
06:40 PM - 06:45 PM	50.6	45.5	09:20 PM - 09:25 PM	50.8	49.7	12:00 AM - 12:05 AM	47.1	44.9			
06:45 PM - 06:50 PM	51.9	50.6	09:25 PM - 09:30 PM	50.7	50.0	12:05 AM - 12:10 AM	46.7	45.1			
06:50 PM - 06:55 PM	52.4	51.1	09:30 PM - 09:35 PM	50.7	49.7	12:10 AM - 12:15 AM	54.8	45.8			
06:55 PM - 07:00 PM	51.8	48.4	09:35 PM - 09:40 PM	52.0	51.3	12:15 AM - 12:20 AM	56.0	45.5			
07:00 PM - 07:05 PM	50.8	46.4	09:40 PM - 09:45 PM	51.5	50.8	12:20 AM - 12:25 AM	64.0	58.0			
07:05 PM - 07:10 PM	53.7	51.5	09:45 PM - 09:50 PM	50.8	50.0	12:25 AM - 12:30 AM	49.4	45.6			
07:10 PM - 07:15 PM	53.8	51.9	09:50 PM - 09:55 PM	52.1	50.3	12:30 AM - 12:35 AM	47.5	46.7			
07:15 PM - 07:20 PM	53.0	51.8	09:55 PM - 10:00 PM	53.3	52.5	12:35 AM - 12:40 AM	48.7	46.8			
07:20 PM - 07:25 PM	52.0	51.0	10:00 PM - 10:05 PM	51.1	51.7	12:40 AM - 12:45 AM	48.7	46.7			
07:25 PM - 07:30 PM	52.2	50.7	10:05 PM - 10:10 PM	52.2	50.9	12:45 AM - 12:50 AM	50.7	46.4			
07:30 PM - 07:35 PM	52.2	50.9	10:10 PM - 10:15 PM	53.6	51.4	12:50 AM - 12:55 AM	53.8	46.0			
07:35 PM - 07:40 PM	51.7	50.1	10:15 PM - 10:20 PM	55.0	52.9	12:55 AM - 01:00 AM	60.7	57.5			

Approved by

Saranyut Jitranont
Assistant General Manager

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ADDRESS: 616/10 Moo 5 T. Maenam Khu A. Phukhaeng Rayong 21140 Thailand. PHONE: +66 0 3304 8555 FAX: +66 0 3304 8556



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/4115 26TH Fl, Ithaihai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161941-1

Sample Number : 24110374-9
Parameter : Noise Level (Leq 5 min)
Location : N2 : ถนนพหลโยธิน/ถนนสุขุมวิท 3
Measurement Date : Oct 27 - Oct 28, 2024
Measurement by : Santi Chaihana
Sound Level meter : Serial No. 01122567

Oct 28, 2024			Oct 28, 2024			Oct 28, 2024			Oct 28, 2024		
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)
09:00 AM - 09:05 AM	54.0	51.4	11:40 AM - 11:45 AM	50.5	43.4	02:30 PM - 02:35 PM	55.5	58.1			
09:05 AM - 09:10 AM	54.1	50.6	11:45 AM - 11:50 AM	51.0	44.5	02:35 PM - 02:40 PM	56.4	58.4			
09:10 AM - 09:15 AM	55.4	51.4	11:50 AM - 11:55 AM	54.4	44.5	02:40 PM - 02:45 PM	58.1	58.8			
09:15 AM - 09:20 AM	53.1	49.7	11:55 AM - 12:00 PM	54.1	44.0	02:45 PM - 02:50 PM	58.6	56.0			
09:20 AM - 09:25 AM	55.9	49.0	12:00 PM - 12:05 PM	49.1	45.2	02:50 PM - 02:55 PM	58.4	55.0			
09:25 AM - 09:30 AM	54.2	50.1	12:05 PM - 12:10 PM	51.5	46.9	02:55 PM - 03:00 PM	58.1	54.7			
09:30 AM - 09:35 AM	55.2	50.9	12:10 PM - 12:15 PM	51.3	45.7	03:00 PM - 03:05 PM	57.8	49.2			
09:35 AM - 09:40 AM	56.5	51.0	12:15 PM - 12:20 PM	52.5	45.7	03:05 PM - 03:10 PM	53.4	48.9			
09:40 AM - 09:45 AM	56.1	50.0	12:20 PM - 12:25 PM	52.1	46.1	03:10 PM - 03:15 PM	57.6	49.4			
09:45 AM - 09:50 AM	56.2	49.9	12:25 PM - 12:30 PM	54.7	46.8	03:15 PM - 03:20 PM	53.3	46.6			
09:50 AM - 09:55 AM	54.5	46.5	12:30 PM - 12:35 PM	53.7	49.0	03:20 PM - 03:25 PM	50.8	44.0			
09:55 AM - 10:00 AM	54.3	48.7	12:35 PM - 12:40 PM	52.6	46.3	03:25 PM - 03:30 PM	54.0	44.2			
10:00 AM - 10:05 AM	57.4	50.7	12:40 PM - 12:45 PM	55.5	52.6	03:30 PM - 03:35 PM	51.8	46.1			
10:05 AM - 10:10 AM	51.4	50.3	12:45 PM - 12:50 PM	55.3	51.2	03:35 PM - 03:40 PM	50.5	45.6			
10:10 AM - 10:15 AM	51.3	48.2	12:50 PM - 12:55 PM	52.9	48.8	03:40 PM - 03:45 PM	52.4	44.7			
10:15 AM - 10:20 AM	50.6	47.2	12:55 PM - 01:00 PM	54.4	48.6	03:45 PM - 03:50 PM	56.9	51.1			
10:20 AM - 10:25 AM	50.0	46.9	01:00 PM - 01:05 PM	55.4	48.2	03:50 PM - 03:55 PM	55.3	51.6			
10:25 AM - 10:30 AM	52.7	46.6	01:05 PM - 01:10 PM	54.4	47.9	03:55 PM - 04:00 PM	55.0	50.7			
10:30 AM - 10:35 AM	55.8	45.8	01:10 PM - 01:15 PM	51.8	47.1	04:00 PM - 04:05 PM	54.1	50.5			
10:35 AM - 10:40 AM	59.5	45.6	01:15 PM - 01:20 PM	51.2	47.6	04:05 PM - 04:10 PM	54.2	50.5			
10:40 AM - 10:45 AM	52.8	45.1	01:20 PM - 01:25 PM	51.2	47.6	04:10 PM - 04:15 PM	54.2	50.5			
10:45 AM - 10:50 AM	59.3	44.5	01:25 PM - 01:30 PM	53.0	46.3	04:15 PM - 04:20 PM	54.7	53.7			
10:50 AM - 10:55 AM	47.3	44.0	01:30 PM - 01:35 PM	55.0	52.9	04:20 PM - 04:25 PM	56.8	51.4			
10:55 AM - 11:00 AM	48.4	44.9	01:35 PM - 01:40 PM	53.1	47.4	04:25 PM - 04:30 PM	59.5	54.2			
11:00 AM - 11:05 AM	50.5	44.9	01:40 PM - 01:45 PM	56.6	48.8	04:30 PM - 04:35 PM	58.3	55.2			
11:05 AM - 11:10 AM	52.2	45.8	01:45 PM - 01:50 PM	54.8	49.7	04:35 PM - 04:40 PM	54.5	51.5			
11:10 AM - 11:15 AM	57.3	44.5	01:50 PM - 01:55 PM	57.2	51.5	04:40 PM - 04:45 PM	53.2	50.8			
11:15 AM - 11:20 AM	48.8	43.9	01:55 PM - 02:00 PM	54.1	50.9	04:45 PM - 04:50 PM	59.6	49.3			
11:20 AM - 11:25 AM	49.0	44.0	02:00 PM - 02:05 PM	52.4	49.8	04:50 PM - 04:55 PM	57.1	50.3			
11:25 AM - 11:30 AM	51.9	49.3	02:05 PM - 02:10 PM	56.9	50.6	04:55 PM - 05:00 PM	58.4	51.4			
11:30 AM - 11:35 AM	50.2	42.6	02:10 PM - 02:15 PM	54.9	50.4	05:00 PM - 05:05 PM	68.0	55.5			
11:35 AM - 11:40 AM	46.8	40.8	02:15 PM - 02:20 PM	57.6	50.8	05:05 PM - 05:10 PM	58.9	55.8			

Approved by

Saranyut Jitranont
Assistant General Manager

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ADDRESS: 616/10 Moo 5 T. Maenam Khu A. Phukhaeng Rayong 21140 Thailand. PHONE: +66 0 3304 8555 FAX: +66 0 3304 8556



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/4115 26TH Fl, Ithaihai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161941-1

Sample Number : 24110374-9
Parameter : Noise Level (Leq 5 min)
Location : N2 : ถนนพหลโยธิน/ถนนสุขุมวิท 3
Measurement Date : Oct 27 - Oct 28, 2024
Measurement by : Santi Chaihana
Sound Level meter : Serial No. 01122567

Oct 28, 2024			Oct 28, 2024			Oct 28, 2024			Oct 28, 2024		
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)
01:00 AM - 01:05 AM	58.3	47.3	03:40 AM - 03:45 AM	46.1	44.5	06:20 AM - 06:25 AM	49.5	48.2			
01:05 AM - 01:10 AM	47.9	45.6	03:45 AM - 03:50 AM	45.8	43.8	06:25 AM - 06:30 AM	49.9	48.2			
01:10 AM - 01:15 AM	47.6	45.9	03:50 AM - 03:55 AM	44.2	42.7	06:30 AM - 06:35 AM	49.6	48.4			
01:15 AM - 01:20 AM	47.3	45.6	03:55 AM - 04:00 AM	44.4	42.5	06:35 AM - 06:40 AM	49.2	47.5			
01:20 AM - 01:25 AM	47.1	45.5	04:00 AM - 04:05 AM	42.4	42.3	06:40 AM - 06:45 AM	49.5	47.9			
01:25 AM - 01:30 AM	46.1	44.5	04:05 AM - 04:10 AM	42.6	41.7	06:45 AM - 06:50 AM	49.6	48.2			
01:30 AM - 01:35 AM	47.6	45.9	04:10 AM - 04:15 AM	42.8	42.1	06:50 AM - 06:55 AM	50.7	48.7			
01:35 AM - 01:40 AM	47.6	45.9	04:15 AM - 04:20 AM	43.5	42.2	06:55 AM - 07:00 AM	49.9	48.4			
01:40 AM - 01:45 AM	46.6	46.4	04:20 AM - 04:25 AM	44.8	42.7	07:00 AM - 07:05 AM	49.8	48.4			
01:45 AM - 01:50 AM	49.0	45.9	04:25 AM - 04:30 AM	45.8	42.9	07:05 AM - 07:10 AM	49.6	48.1			
01:50 AM - 01:55 AM	48.7	46.7	04:30 AM - 04:35 AM	46.8	43.8	07:10 AM - 07:15 AM	49.5	47.8			
01:55 AM - 02:00 AM	46.8	46.8	04:35 AM - 04:40 AM	47.8	44.3	07:15 AM - 07:20 AM	49.1	47.8			
02:00 AM - 02:05 AM	48.4	48.4	04:40 AM - 04:45 AM	47.2	44.6	07:20 AM - 07:25 AM	49.1	47.8			
02:05 AM - 02:10 AM	47.2	44.1	04:45 AM - 04:50 AM	46.7	44.6	07:25 AM - 07:30 AM	49.5	47.9			
02:10 AM - 02:15 AM	47.9	45.4	04:50 AM - 04:55 AM	47.2	45.2	07:30 AM - 07:35 AM	49.3	47.6			
02:15 AM - 02:20 AM	47.2	45.4	04:55 AM - 05:00 AM	46.9	44.9	07:35 AM - 07:40 AM	50.1	48.0			
02:20 AM - 02:25 AM	47.1	44.6	05:00 AM - 05:05 AM	47.1	45.2	07:40 AM - 07:45 AM	50.1	47.7			
02:25 AM - 02:30 AM	47.2	45.2	05:05 AM - 05:10 AM	47.2	45.2	07:45 AM - 07:50 AM	49.8	47.5			
02:30 AM - 02:35 AM	47.6	45.2	05:10 AM - 05:15 AM	47.5	45.8	07:50 AM - 07:55 AM	49.3	47.6			
02:35 AM - 02:40 AM	47.2	44.6	05:15 AM - 05:20 AM	47.8	46.2	07:55 AM - 08:00 AM	50.1	47.7			
02:40 AM - 02:45 AM	47.0	44.0	05:20 AM - 05:25 AM	48.1	46.5	08:00 AM - 08:05 AM	51.9	49.0			
02:45 AM - 02:50 AM	47.9	45.3	05:25 AM - 05:30 AM	48.6	47.1	08:05 AM - 08:10 AM	52.6	49.3			
02:50 AM - 02:55 AM	46.7	46.8	05:30 AM - 05:35 AM	49.4	46.8	08:10 AM - 08:15 AM	52.1	48.9			
02:55 AM - 03:00 AM	48.6	45.6	05:35 AM - 05:40 AM	49.8	47.5	08:15 AM - 08:20 AM	52.3	48.7			
03:00 AM - 03:05 AM	47.8	44.6	05:40 AM - 05:45 AM	49.2	47.7	08:20 AM - 08:25 AM	53.4	48.7			
03:05 AM - 03:10 AM	49.2	45.8	05:45 AM - 05:50 AM	49.8	47.3	08:25 AM - 08:30 AM	55.5	51.7			
03:10 AM - 03:15 AM	47.6	45.3	05:50 AM - 05:55 AM	48.9	47.4	08:30 AM - 08:35 AM	54.8	51.7			
03:15 AM - 03:20 AM	47.9	45.5	05:55 AM - 06:00 AM	49.1	47.9	08:35 AM - 08:40 AM	52.7	49.0			
03:20 AM - 03:25 AM	48.1	46.4	06:00 AM - 06:05 AM	49.2	47.9	08:40 AM - 08:45 AM	52.8	49.4			
03:25 AM - 03:30 AM	47.6	45.3	06:05 AM - 06:10 AM	49.1	47.7	08:45 AM - 08:50 AM	52.6	50.6			
03:30 AM - 03:35 AM	46.0	44.4	06:10 AM - 06:15 AM	49.3	48.0	08:50 AM - 08:55 AM	55.1	49.9			
03:35 AM - 03:40 AM	45.9	44.3	06:15 AM - 06:20 AM	49.6	48.3	08:55 AM - 09:00 AM	54.7	50.3			



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-03/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110374-10
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161942-1

Page 2 of 3

Sample Number		24110374-10	
Parameter		Noise Level (Leq 5 min)	
Location		N2 : ถนนพหลโยธินกมที่ 3	
Measurement Date		Oct 28 - Oct 29, 2024	
Measurement by		Santi Chachana	
Sound Level meter		Serial No. 01122567	
Oct 29, 2024		Oct 29, 2024	
Time	Leq	Time	Leq
	dB(A)		dB(A)
01:00 AM - 01:05 AM	57.0	03:40 AM - 03:45 AM	48.3
01:05 AM - 01:10 AM	56.9	03:45 AM - 03:50 AM	46.6
01:10 AM - 01:15 AM	55.8	03:50 AM - 03:55 AM	46.7
01:15 AM - 01:20 AM	54.6	03:55 AM - 04:00 AM	47.6
01:20 AM - 01:25 AM	54.3	04:00 AM - 04:05 AM	45.7
01:25 AM - 01:30 AM	55.7	04:05 AM - 04:10 AM	45.7
01:30 AM - 01:35 AM	55.9	04:10 AM - 04:15 AM	45.7
01:35 AM - 01:40 AM	54.6	04:15 AM - 04:20 AM	46.1
01:40 AM - 01:45 AM	56.3	04:20 AM - 04:25 AM	46.4
01:45 AM - 01:50 AM	56.3	04:25 AM - 04:30 AM	46.5
01:50 AM - 01:55 AM	56.1	04:30 AM - 04:35 AM	46.4
01:55 AM - 02:00 AM	56.5	04:35 AM - 04:40 AM	46.6
02:00 AM - 02:05 AM	55.9	04:40 AM - 04:45 AM	47.7
02:05 AM - 02:10 AM	56.2	04:45 AM - 04:50 AM	47.1
02:10 AM - 02:15 AM	56.1	04:50 AM - 04:55 AM	47.4
02:15 AM - 02:20 AM	48.0	04:55 AM - 05:00 AM	48.2
02:20 AM - 02:25 AM	47.9	05:00 AM - 05:05 AM	48.1
02:25 AM - 02:30 AM	48.2	05:05 AM - 05:10 AM	47.2
02:30 AM - 02:35 AM	49.0	05:10 AM - 05:15 AM	47.1
02:35 AM - 02:40 AM	49.0	05:15 AM - 05:20 AM	47.8
02:40 AM - 02:45 AM	50.5	05:20 AM - 05:25 AM	47.9
02:45 AM - 02:50 AM	48.5	05:25 AM - 05:30 AM	48.1
02:50 AM - 02:55 AM	48.4	05:30 AM - 05:35 AM	48.6
02:55 AM - 03:00 AM	46.9	05:35 AM - 05:40 AM	47.9
03:00 AM - 03:05 AM	48.4	05:40 AM - 05:45 AM	47.2
03:05 AM - 03:10 AM	48.1	05:45 AM - 05:50 AM	47.0
03:10 AM - 03:15 AM	48.4	05:50 AM - 05:55 AM	47.2
03:15 AM - 03:20 AM	48.2	05:55 AM - 06:00 AM	48.2
03:20 AM - 03:25 AM	47.5	06:00 AM - 06:05 AM	48.7
03:25 AM - 03:30 AM	47.8	06:05 AM - 06:10 AM	48.4
03:30 AM - 03:35 AM	47.7	06:10 AM - 06:15 AM	47.7
03:35 AM - 03:40 AM	47.7	06:15 AM - 06:20 AM	48.4
06:20 AM - 06:25 AM	47.9	06:25 AM - 06:30 AM	48.1
06:30 AM - 06:35 AM	47.7	06:35 AM - 06:40 AM	47.6
06:40 AM - 06:45 AM	47.5	06:45 AM - 06:50 AM	46.5
06:50 AM - 06:55 AM	47.9	06:55 AM - 07:00 AM	48.1
07:00 AM - 07:05 AM	47.6	07:05 AM - 07:10 AM	48.3
07:10 AM - 07:15 AM	47.1	07:15 AM - 07:20 AM	47.1
07:20 AM - 07:25 AM	46.6	07:25 AM - 07:30 AM	47.1
07:30 AM - 07:35 AM	46.7	07:35 AM - 07:40 AM	46.8
07:40 AM - 07:45 AM	46.7	07:45 AM - 07:50 AM	47.8
07:50 AM - 07:55 AM	48.3	07:55 AM - 08:00 AM	49.4
08:00 AM - 08:05 AM	52.3	08:05 AM - 08:10 AM	51.2
08:10 AM - 08:15 AM	50.5	08:15 AM - 08:20 AM	47.0
08:20 AM - 08:25 AM	52.7	08:25 AM - 08:30 AM	56.2
08:30 AM - 08:35 AM	57.7	08:35 AM - 08:40 AM	55.7
08:40 AM - 08:45 AM	56.0	08:45 AM - 08:50 AM	55.5
08:50 AM - 08:55 AM	54.6	08:55 AM - 09:00 AM	56.0

The above results are valid only for the stated test scenario. It is not valid for any other scenario. The test results are valid only for the stated test scenario. It is not valid for any other scenario. The test results are valid only for the stated test scenario. It is not valid for any other scenario.

Approved by

Saranyut Jitranont
Assistant General Manager

K01R115 616/10 Moo 5 T. Maenam Khu A. Phakdang Rayong 21140 Thailand. P/011466 466 0 3304 8555 F/011466 0 3304 8556



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-03/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110374-10
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161943-1

Page 1 of 3

Sample Number		24110374-11		Sample Number		24110374-11		
Parameter		Noise Level (Leq 5 min)		Parameter		Noise Level (Leq 5 min)		
Location		N2 : ถนนพหลโยธินกมที่ 3		Location		N2 : ถนนพหลโยธินกมที่ 3		
Measurement Date		Oct 29 - Oct 30, 2024		Measurement Date		Oct 29 - Oct 30, 2024		
Measurement by		Santi Chachana		Measurement by		Santi Chachana		
Sound Level meter		Serial No. 01122567		Sound Level meter		Serial No. 01122567		
Oct 29, 2024		L90		Oct 29, 2024		L90		
Time		dB(A)		Time		dB(A)		
05:00 PM - 05:05 PM	55.1	52.3	07:40 PM - 07:45 PM	53.8	52.6	10:20 PM - 10:25 PM	45.3	43.4
05:05 PM - 05:10 PM	51.5	46.5	07:45 PM - 07:50 PM	54.7	53.4	10:25 PM - 10:30 PM	47.3	44.0
05:10 PM - 05:15 PM	51.8	50.2	07:50 PM - 07:55 PM	54.5	53.6	10:30 PM - 10:35 PM	48.6	45.4
05:15 PM - 05:20 PM	53.5	50.3	07:55 PM - 08:00 PM	54.2	53.1	10:35 PM - 10:40 PM	48.9	47.6
05:20 PM - 05:25 PM	55.0	49.0	08:00 PM - 08:05 PM	53.0	49.8	10:40 PM - 10:45 PM	48.7	47.3
05:25 PM - 05:30 PM	54.3	48.5	08:05 PM - 08:10 PM	50.2	49.2	10:45 PM - 10:50 PM	48.2	45.3
05:30 PM - 05:35 PM	53.5	50.8	08:10 PM - 08:15 PM	50.2	48.7	10:50 PM - 10:55 PM	48.4	45.3
05:35 PM - 05:40 PM	53.1	49.9	08:15 PM - 08:20 PM	51.4	49.0	10:55 PM - 11:00 PM	48.5	44.7
05:40 PM - 05:45 PM	52.1	49.0	08:20 PM - 08:25 PM	46.8	44.7	11:00 PM - 11:05 PM	48.8	45.1
05:45 PM - 05:50 PM	52.2	51.2	08:25 PM - 08:30 PM	49.4	44.8	11:05 PM - 11:10 PM	45.3	43.8
05:50 PM - 05:55 PM	52.3	50.6	08:30 PM - 08:35 PM	49.4	45.8	11:10 PM - 11:15 PM	45.4	43.9
05:55 PM - 06:00 PM	51.9	49.6	08:35 PM - 08:40 PM	50.5	46.2	11:15 PM - 11:20 PM	50.1	43.9
06:00 PM - 06:05 PM	49.8	47.6	08:40 PM - 08:45 PM	47.8	46.0	11:20 PM - 11:25 PM	45.7	44.1
06:05 PM - 06:10 PM	47.2	40.9	08:45 PM - 08:50 PM	48.2	47.3	11:25 PM - 11:30 PM	47.2	44.0
06:10 PM - 06:15 PM	51.1	49.2	08:50 PM - 08:55 PM	46.8	45.8	11:30 PM - 11:35 PM	50.4	43.9
06:15 PM - 06:20 PM	49.3	44.5	08:55 PM - 09:00 PM	47.4	45.5	11:35 PM - 11:40 PM	50.8	44.7
06:20 PM - 06:25 PM	51.0	42.4	09:00 PM - 09:05 PM	49.6	45.5	11:40 PM - 11:45 PM	48.5	44.1
06:25 PM - 06:30 PM	53.8	52.0	09:05 PM - 09:10 PM	48.8	46.3	11:45 PM - 11:50 PM	46.7	44.1
06:30 PM - 06:35 PM	51.3	45.9	09:10 PM - 09:15 PM	48.4	45.5	11:50 PM - 11:55 PM	47.8	43.7
06:35 PM - 06:40 PM	54.1	46.8	09:15 PM - 09:20 PM	53.3	46.8	11:55 PM - 12:00 AM	46.0	42.5
06:40 PM - 06:45 PM	53.8	51.8	09:20 PM - 09:25 PM	53.0	46.8	12:00 AM - 12:05 AM	48.1	42.7
06:45 PM - 06:50 PM	53.4	48.3	09:25 PM - 09:30 PM	53.4	51.8	12:05 AM - 12:10 AM	49.7	43.3
06:50 PM - 06:55 PM	52.2	48.7	09:30 PM - 09:35 PM	53.4	51.7	12:10 AM - 12:15 AM	51.1	43.5
06:55 PM - 07:00 PM	55.0	53.0	09:35 PM - 09:40 PM	53.3	51.7	12:15 AM - 12:20 AM	51.2	44.0
07:00 PM - 07:05 PM	53.9	52.5	09:40 PM - 09:45 PM	53.3	51.6	12:20 AM - 12:25 AM	50.4	42.9
07:05 PM - 07:10 PM	54.8	53.4	09:45 PM - 09:50 PM	53.3	51.7	12:25 AM - 12:30 AM	50.9	42.7
07:10 PM - 07:15 PM	54.4	52.3	09:50 PM - 09:55 PM	53.3	51.7	12:30 AM - 12:35 AM	49.7	42.6
07:15 PM - 07:20 PM	55.5	54.4	09:55 PM - 10:00 PM	52.9	45.7	12:35 AM - 12:40 AM	50.1	43.3
07:20 PM - 07:25 PM	54.5	51.5	10:00 PM - 10:05 PM	45.6	44.0	12:40 AM - 12:45 AM	51.2	44.3
07:25 PM - 07:30 PM	53.1	50.6	10:05 PM - 10:10 PM	44.7	43.6	12:45 AM - 12:50 AM	47.7	43.3
07:30 PM - 07:35 PM	53.5	52.4	10:10 PM - 10:15 PM	44.6	43.8	12:50 AM - 12:55 AM	44.9	43.3
07:35 PM - 07:40 PM	53.5	52.4	10:15 PM - 10:20 PM	44.6	43.5	12:55 AM - 01:00 AM	45.1	43.6

The above results are valid only for the stated test scenario. It is not valid for any other scenario. The test results are valid only for the stated test scenario. It is not valid for any other scenario. The test results are valid only for the stated test scenario. It is not valid for any other scenario.

Approved by

Saranyut Jitranont
Assistant General Manager

K01R115 616/10 Moo 5 T. Maenam Khu A. Phakdang Rayong 21140 Thailand. P/011466 466 0 3304 8555 F/011466 0 3304 8556



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-03/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110374-10
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161942-1

Page 3 of 3

Sample Number		24110374-10					
Parameter		Noise Level (Leq 5 min)					
Location		N2 : ถนนพหลโยธินกมที่ 3					
Measurement Date		Oct 28 - Oct 29, 2024					
Measurement by		Santi Chachana					
Sound Level meter		Serial No. 01122567					
Oct 29, 2024		Leq		Oct 29, 2024		Leq	
Time		dB(A)		Time		dB(A)	
09:00 AM - 09:05 AM	56.2	51.2	11:40 AM - 11:45 AM	58.9	52.3	02:20 PM - 02:25 PM	58.1
09:05 AM - 09:10 AM	55.0	50.5	11:45 AM - 11:50 AM	56.8	50.8	02:25 PM - 02:30 PM	51.5
09:10 AM - 09:15 AM	55.5	51.8	11:50 AM - 11:55 AM	55.3	51.5	02:30 PM - 02:35 PM	57.5
09:15 AM - 09:20 AM	55.3	50.5	11:55 AM - 12:00 PM	55.6	49.9	02:35 PM - 02:40 PM	55.8
09:20 AM - 09:25 AM	57.8	51.0	12:00 PM - 12:05 PM	53.3	45.7	02:40 PM - 02:45 PM	52.3
09:25 AM - 09:30 AM	54.3	51.4	12:05 PM - 12:10 PM	54.6	50.1	02:45 PM - 02:50 PM	55.8
09:30 AM - 09:35 AM	54.5	51.1	12:10 PM - 12:15 PM	54.8	50.2	02:50 PM - 02:55 PM	52.6
09:35 AM - 09:40 AM	53.7	50.5	12:15 PM - 12:20 PM	54.2	50.2	02:55 PM - 03:00 PM	54.2
09:40 AM - 09:45 AM	54.4	51.9	12:20 PM - 12:25 PM	53.3	50.6	03:00 PM - 03:05 PM	55.8
09:45 AM - 09:50 AM	54.1	50.7	12:25 PM - 12:30 PM	53.7	48.9	03:05 PM - 03:10 PM	51.3
09:50 AM - 09:55 AM	52.5	49.0	12:30 PM - 12:35 PM	56.7	50.7	03:10 PM - 03:15 PM	59.7
09:55 AM - 10:00 AM	54.1	51.0	12:35 PM - 12:40 PM	58.1	56.3	03:15 PM - 03:20 PM	53.6
10:00 AM - 10:05 AM	56.1	51.9	12:40 PM - 12:45 PM	55.5	50.2	03:20 PM - 03:25 PM	55.8
10:05 AM - 10:10 AM	57.1	53.1	12:45 PM - 12:50 PM	51.2	48.6	03:25 PM - 03:30 PM	53.3
10:10 AM - 10:15 AM	57.0	54.0	12:50 PM - 12:55 PM	53.0	47.0	03:30 PM - 03:35 PM	52.9
10:15 AM - 10:20 AM	55.7	53.7	12:55 PM - 01:00 PM	50.6	48.6	03:35 PM - 03:40 PM	51.2
10:20 AM - 10:25 AM	55.1	52.2	01:00 PM - 01:05 PM	57.6	49.6	03:40 PM - 03:45 PM	53.3
10:25 AM - 10:30 AM	55.8	51.9	01:05 PM - 01:10 PM	55.2	49.4	03:45 PM - 03:50 PM	52.2
10:30 AM - 10:35 AM	55.4	51.5	01:10 PM - 01:15 PM	58.1	51.3	03:50 PM - 03:55 PM	52.8
10:35 AM - 10:40 AM	55.2	51.9	01:15 PM - 01:20 PM	59.5	58.3	03:55 PM - 04:00 PM	52.9
10:40 AM - 10:45 AM	55.7	52.5	01:20 PM - 01:25 PM	56.9	49.9	04:00 PM - 04:05 PM	52.7
10:45 AM - 10:50 AM	54.7	51.0	01:25 PM - 01:30 PM	55.6	49.5	04:05 PM - 04:10 PM	53.8
10:50 AM - 10:55 AM	55.2	51.6	01:30 PM - 01:35 PM	48.2	46.5	04:10 PM - 04:15 PM	53.2
10:55 AM - 11:00 AM	55.0	51.7	01:35 PM - 01:40 PM	49.2	46	04:15 PM - 04:20 PM	50.5
11:00 AM - 11:05 AM	52.5	49.9	01:40 PM - 01:45 PM	48.6	46.7	04:20 PM - 04:25 PM	52.9
11:05 AM - 11:10 AM	52.6	48.2	01:45 PM - 01:50 PM	49.6	47.3	04:25 PM - 04:30 PM	50.6
11:10 AM - 11:15 AM	51.9	48.3	01:50 PM - 01:55 PM	49.6	47.2	04:30 PM - 04:35 PM	50.8
11:15 AM - 11:20 AM	51.8	48.6	01:55 PM - 02:00 PM	50.6	47.5	04:35 PM - 04:40 PM	51.7
11:20 AM - 11:25 AM	54.7	50.4	02:00 PM - 02:05 PM	49.6	46.7	04:40 PM - 04:45 PM	52.6
11:25 AM - 11:30 AM	56.6	52.1	02:05 PM - 02:10 PM	52.7	48.5	04:45 PM - 04:50 PM	53.4
11:30 AM - 11:35 AM	56.5	51.6	02:10 PM - 02:15 PM	53.0	48.2	04:50 PM - 04:55 PM	52.4
11:35 AM - 11:40 AM	55.6	51.9	02:15 PM - 02:20 PM	54.8	48.5	04:55 PM - 05:00 PM	55.7



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Ithaihai Tove, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJA-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : J161943-1

Sample Number : 24110374-11
Parameter : Noise Level (Leq 5 min)
Location : N2 : ถนนพหลโยธินฝั่งซ้าย
Measurement Date : Oct 29 - Oct 30, 2024
Measurement by : Santi Chaichana
Sound Level meter : Serial No. 01122567

Oct 30, 2024			Oct 30, 2024			Oct 30, 2024		
Time	Leq dBA(A)	L90 dBA(A)	Time	Leq dBA(A)	L90 dBA(A)	Time	Leq dBA(A)	L90 dBA(A)
09:00 AM - 09:05 AM	51.8	47.9	11:40 AM - 11:45 AM	50.8	46.2	02:20 PM - 02:25 PM	51.0	47.7
09:05 AM - 09:10 AM	52.4	47.6	11:45 AM - 11:50 AM	51.8	47.2	02:25 PM - 02:30 PM	53.2	49.2
09:10 AM - 09:15 AM	54.2	50.2	11:50 AM - 11:55 AM	51.0	47.7	02:30 PM - 02:35 PM	51.5	47.6
09:15 AM - 09:20 AM	50.1	47.1	11:55 AM - 12:00 PM	50.3	45.0	02:35 PM - 02:40 PM	50.5	47.1
09:20 AM - 09:25 AM	50.6	47.7	12:00 PM - 12:05 PM	50.7	44.3	02:40 PM - 02:45 PM	53.9	49.3
09:25 AM - 09:30 AM	52.7	46.8	12:05 PM - 12:10 PM	49.8	44.7	02:45 PM - 02:50 PM	55.5	49.7
09:30 AM - 09:35 AM	49.3	46.2	12:10 PM - 12:15 PM	49.7	42.1	02:50 PM - 02:55 PM	52.2	47.8
09:35 AM - 09:40 AM	52.3	46.8	12:15 PM - 12:20 PM	46.5	42.4	02:55 PM - 03:00 PM	50.9	47.2
09:40 AM - 09:45 AM	50.2	45.9	12:20 PM - 12:25 PM	47.7	42.5	03:00 PM - 03:05 PM	49.5	46.4
09:45 AM - 09:50 AM	51.4	45.9	12:25 PM - 12:30 PM	50.4	42.7	03:05 PM - 03:10 PM	51.9	46.9
09:50 AM - 09:55 AM	48.0	44.5	12:30 PM - 12:35 PM	49.1	42.8	03:10 PM - 03:15 PM	47.7	45.3
09:55 AM - 10:00 AM	50.5	45.7	12:35 PM - 12:40 PM	49.3	38.5	03:15 PM - 03:20 PM	55.3	46.8
10:00 AM - 10:05 AM	52.1	45.6	12:40 PM - 12:45 PM	41.8	38.0	03:20 PM - 03:25 PM	57.7	46.5
10:05 AM - 10:10 AM	48.2	44.5	12:45 PM - 12:50 PM	39.0	35.6	03:25 PM - 03:30 PM	52.2	48.2
10:10 AM - 10:15 AM	51.7	46.1	12:50 PM - 12:55 PM	39.8	37.0	03:30 PM - 03:35 PM	52.0	48.6
10:15 AM - 10:20 AM	51.2	46.5	12:55 PM - 01:00 PM	40.4	37.0	03:35 PM - 03:40 PM	56.2	47.6
10:20 AM - 10:25 AM	51.9	47.2	01:00 PM - 01:05 PM	37.6	35.2	03:40 PM - 03:45 PM	51.0	47.7
10:25 AM - 10:30 AM	51.3	46.9	01:05 PM - 01:10 PM	41.2	36.6	03:45 PM - 03:50 PM	56.4	47.3
10:30 AM - 10:35 AM	50.4	46.4	01:10 PM - 01:15 PM	42.8	41.3	03:50 PM - 03:55 PM	54.5	47.4
10:35 AM - 10:40 AM	52.2	46.6	01:15 PM - 01:20 PM	43.8	41.3	03:55 PM - 04:00 PM	50.9	48.4
10:40 AM - 10:45 AM	52.2	47.3	01:20 PM - 01:25 PM	43.0	40.5	04:00 PM - 04:05 PM	51.5	48.1
10:45 AM - 10:50 AM	52.3	47.3	01:25 PM - 01:30 PM	43.8	39.1	04:05 PM - 04:10 PM	53.0	48.9
10:50 AM - 10:55 AM	48.7	45.1	01:30 PM - 01:35 PM	40.4	38.3	04:10 PM - 04:15 PM	52.6	47.4
10:55 AM - 11:00 AM	49.8	45.2	01:35 PM - 01:40 PM	42.2	39.0	04:15 PM - 04:20 PM	53.2	48.1
11:00 AM - 11:05 AM	51.0	47.5	01:40 PM - 01:45 PM	44.2	40.3	04:20 PM - 04:25 PM	50.9	47.5
11:05 AM - 11:10 AM	51.0	48.6	01:45 PM - 01:50 PM	49.8	44.7	04:25 PM - 04:30 PM	52.2	47.9
11:10 AM - 11:15 AM	50.3	46.1	01:50 PM - 01:55 PM	53.8	48.5	04:30 PM - 04:35 PM	52.2	49.3
11:15 AM - 11:20 AM	53.7	49.2	01:55 PM - 02:00 PM	52.0	48.0	04:35 PM - 04:40 PM	51.3	49.7
11:20 AM - 11:25 AM	52.7	48.6	02:00 PM - 02:05 PM	52.7	48.7	04:40 PM - 04:45 PM	50.0	48.8
11:25 AM - 11:30 AM	51.9	45.9	02:05 PM - 02:10 PM	52.0	48.1	04:45 PM - 04:50 PM	50.8	47.5
11:30 AM - 11:35 AM	50.9	47.0	02:10 PM - 02:15 PM	53.6	49.3	04:50 PM - 04:55 PM	53.7	46.1
11:35 AM - 11:40 AM	52.2	47.8	02:15 PM - 02:20 PM	53.3	49.5	04:55 PM - 05:00 PM	50.4	46.9

The above results are valid only for the stated test conditions as indicated in the report. The test results are not valid if the test conditions are not followed. The test results are not valid if the test conditions are not followed. The test results are not valid if the test conditions are not followed.

Approved by : Saranyut Jitranont
Assistant General Manager

ADDRESS: 616/10 Moo 5 T. Maenam Khu A. Phakdaeng Rayong 21140 Thailand. P/NO: +66 0 3304 8555. F/NO: +66 0 3304 8556. E/NO: +66 0 3304 8557. W/NO: +66 0 3304 8558. I/NO: +66 0 3304 8559.



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Ithaihai Tove, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJA-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : J161943-1

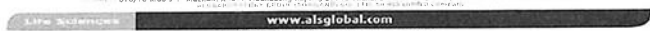
Sample Number : 24110374-12
Parameter : Noise Level (Leq 5 min)
Location : N2 : ถนนพหลโยธินฝั่งซ้าย
Measurement Date : Oct 30 - Oct 31, 2024
Measurement by : Santi Chaichana
Sound Level meter : Serial No. 01122567

Oct 31, 2024			Oct 31, 2024			Oct 31, 2024		
Time	Leq dBA(A)	L90 dBA(A)	Time	Leq dBA(A)	L90 dBA(A)	Time	Leq dBA(A)	L90 dBA(A)
01:00 AM - 01:05 AM	46.5	41.9	03:40 AM - 03:45 AM	43.8	42.1	06:20 AM - 06:25 AM	49.5	46.4
01:05 AM - 01:10 AM	42.2	42.0	03:45 AM - 03:50 AM	43.4	41.7	06:25 AM - 06:30 AM	49.7	46.7
01:10 AM - 01:15 AM	42.0	41.3	03:50 AM - 03:55 AM	42.5	41.3	06:30 AM - 06:35 AM	50.2	48.2
01:15 AM - 01:20 AM	43.0	41.3	03:55 AM - 04:00 AM	46.2	41.5	06:35 AM - 06:40 AM	50.1	46.7
01:20 AM - 01:25 AM	42.9	41.1	04:00 AM - 04:05 AM	49.3	41.8	06:40 AM - 06:45 AM	50.5	49.6
01:25 AM - 01:30 AM	42.7	40.8	04:05 AM - 04:10 AM	44.2	42.3	06:45 AM - 06:50 AM	51.0	49.4
01:30 AM - 01:35 AM	43.4	41.0	04:10 AM - 04:15 AM	43.6	41.9	06:50 AM - 06:55 AM	51.1	49.7
01:35 AM - 01:40 AM	42.3	40.5	04:15 AM - 04:20 AM	44.6	42.3	06:55 AM - 07:00 AM	51.9	49.6
01:40 AM - 01:45 AM	42.5	40.7	04:20 AM - 04:25 AM	44.9	41.6	07:00 AM - 07:05 AM	51.4	49.2
01:45 AM - 01:50 AM	42.7	41.1	04:25 AM - 04:30 AM	45.4	42.4	07:05 AM - 07:10 AM	49.4	48.2
01:50 AM - 01:55 AM	42.8	40.8	04:30 AM - 04:35 AM	45.3	42.2	07:10 AM - 07:15 AM	49.4	48.2
01:55 AM - 02:00 AM	43.9	41.7	04:35 AM - 04:40 AM	44.7	41.2	07:15 AM - 07:20 AM	48.4	46.7
02:00 AM - 02:05 AM	43.4	42.0	04:40 AM - 04:45 AM	45.9	42.1	07:20 AM - 07:25 AM	50.4	46.6
02:05 AM - 02:10 AM	44.0	42.2	04:45 AM - 04:50 AM	46.3	42.6	07:25 AM - 07:30 AM	49.6	46.8
02:10 AM - 02:15 AM	44.1	42.0	04:50 AM - 04:55 AM	46.5	42.6	07:30 AM - 07:35 AM	49.6	46.6
02:15 AM - 02:20 AM	44.4	42.2	04:55 AM - 05:00 AM	46.8	42.7	07:35 AM - 07:40 AM	48.4	44.6
02:20 AM - 02:25 AM	43.7	42.0	05:00 AM - 05:05 AM	47.7	42.3	07:40 AM - 07:45 AM	49.5	45.7
02:25 AM - 02:30 AM	43.9	42.0	05:05 AM - 05:10 AM	44.2	42.3	07:45 AM - 07:50 AM	49.9	45.7
02:30 AM - 02:35 AM	43.2	41.4	05:10 AM - 05:15 AM	46.5	44.8	07:50 AM - 07:55 AM	49.0	46.6
02:35 AM - 02:40 AM	43.2	41.8	05:15 AM - 05:20 AM	45.9	43.8	07:55 AM - 08:00 AM	50.6	47.2
02:40 AM - 02:45 AM	43.2	41.3	05:20 AM - 05:25 AM	45.7	42.7	08:00 AM - 08:05 AM	51.1	46.3
02:45 AM - 02:50 AM	44.2	41.6	05:25 AM - 05:30 AM	46.0	43.8	08:05 AM - 08:10 AM	50.6	44.9
02:50 AM - 02:55 AM	43.3	41.2	05:30 AM - 05:35 AM	46.9	45.2	08:10 AM - 08:15 AM	49.4	45.8
02:55 AM - 03:00 AM	43.6	41.0	05:35 AM - 05:40 AM	47.0	45.3	08:15 AM - 08:20 AM	49.8	45.1
03:00 AM - 03:05 AM	43.8	42.6	05:40 AM - 05:45 AM	47.3	45.7	08:20 AM - 08:25 AM	49.5	44.6
03:05 AM - 03:10 AM	43.6	42.0	05:45 AM - 05:50 AM	46.3	44.8	08:25 AM - 08:30 AM	48.4	45.7
03:10 AM - 03:15 AM	43.9	41.3	05:50 AM - 05:55 AM	46.5	45.2	08:30 AM - 08:35 AM	51.9	44.6
03:15 AM - 03:20 AM	43.4	41.5	05:55 AM - 06:00 AM	46.5	45.2	08:35 AM - 08:40 AM	49.2	44.2
03:20 AM - 03:25 AM	43.0	41.4	06:00 AM - 06:05 AM	46.8	45.2	08:40 AM - 08:45 AM	55.6	46.5
03:25 AM - 03:30 AM	44.4	42.0	06:05 AM - 06:10 AM	47.1	45.6	08:45 AM - 08:50 AM	51.7	45.3
03:30 AM - 03:35 AM	45.5	42.3	06:10 AM - 06:15 AM	48.0	46.6	08:50 AM - 08:55 AM	50.4	46.8
03:35 AM - 03:40 AM	43.7	41.8	06:15 AM - 06:20 AM	48.0	47.5	08:55 AM - 09:00 AM	49.4	44.3

The above results are valid only for the stated test conditions as indicated in the report. The test results are not valid if the test conditions are not followed. The test results are not valid if the test conditions are not followed. The test results are not valid if the test conditions are not followed.

Approved by : Saranyut Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Ithaihai Tove, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJA-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : J161943-1

Sample Number : 24110374-12
Parameter : Noise Level (Leq 5 min)
Location : N2 : ถนนพหลโยธินฝั่งซ้าย
Measurement Date : Oct 30 - Oct 31, 2024
Measurement by : Santi Chaichana
Sound Level meter : Serial No. 01122567

Oct 30, 2024			Oct 30, 2024			Oct 30 - Oct 31, 2024		
Time	Leq dBA(A)	L90 dBA(A)	Time	Leq dBA(A)	L90 dBA(A)	Time	Leq dBA(A)	L90 dBA(A)
05:00 PM - 05:05 PM	51.8	48.2	07:40 PM - 07:45 PM	54.0	53.0	10:20 PM - 10:25 PM	46.2	49.1
05:05 PM - 05:10 PM	52.2	49.5	07:45 PM - 07:50 PM	53.2	52.1	10:25 PM - 10:30 PM	46.0	49.8
05:10 PM - 05:15 PM	52.1	48.1	07:50 PM - 07:55 PM	52.5	51.3	10:30 PM - 10:35 PM	47.5	49.7
05:15 PM - 05:20 PM	54.7	47.1	07:55 PM - 08:00 PM	52.4	51.0	10:35 PM - 10:40 PM	45.6	44.0
05:20 PM - 05:25 PM	54.6	48.2	08:00 PM - 08:05 PM	52.1	50.5	10:40 PM - 10:45 PM	45.8	44.2
05:25 PM - 05:30 PM	52.2	47.8	08:05 PM - 08:10 PM	51.9	50.0	10:45 PM - 10:50 PM	45.1	43.6
05:30 PM - 05:35 PM	50.1	45.3	08:10 PM - 08:15 PM	52.7	50.7	10:50 PM - 10:55 PM	45.7	43.3
05:35 PM - 05:40 PM	50.4	46.2	08:15 PM - 08:20 PM	52.2	50.9	10:55 PM - 11:00 PM	45.8	43.1
05:40 PM - 05:45 PM	49.9	45.1	08:20 PM - 08:25 PM	53.4	50.0	11:00 PM - 11:05 PM	44.5	43.1
05:45 PM - 05:50 PM	48.7	44.5	08:25 PM - 08:30 PM	49.9	47.7	11:05 PM - 11:10 PM	44.7	43.1
05:50 PM - 05:55 PM	51.0	46.7	08:30 PM - 08:35 PM	49.8	47.6	11:10 PM - 11:15 PM	45.2	42.7
05:55 PM - 06:00 PM	51.1	47.1	08:35 PM - 08:40 PM	49.0	46.9	11:15 PM - 11:20 PM	45.4	44.0
06:00 PM - 06:05 PM	54.5	45.7	08:40 PM - 08:45 PM	50.6	48.0	11:20 PM - 11:25 PM	45.5	43.6
06:05 PM - 06:10 PM	47.5	44.0	08:45 PM - 08:50 PM	51.2	49.1	11:25 PM - 11:30 PM	44.8	43.8
06:10 PM - 06:15 PM	47.3	42.9	08:50 PM - 08:55 PM	50.6	48.1	11:30 PM - 11:35 PM	45.4	43.0
06:15 PM - 06:20 PM	49.5	43.6	08:55 PM - 09:00 PM	50.9	48.2	11:35 PM - 11:40 PM	45.2	43.5
06:20 PM - 06:25 PM	51.2	44.6	09:00 PM - 09:05 PM	50.8	48.7	11:40 PM - 11:45 PM	44.8	43.9
06:25 PM - 06:30 PM	50.6	44.3	09:05 PM - 09:10 PM	50.2	47.6	11:45 PM - 11:50 PM	44.5	43.5
06:30 PM - 06:35 PM	51.1	45.8	09:10 PM - 09:15 PM	49.6	46.6	11:50 PM - 11:55 PM	44.5	43.6
06:35 PM - 06:40 PM	49.2	44.6	09:15 PM - 09:20 PM	49.6	46.6	11:55 PM - 12:00 AM	45.5	43.7
06:40 PM - 06:45 PM	51.6	44.8	09:20 PM - 09:25 PM	49.9	47.2	12:00 AM - 12:05 AM	44.1	42.9

Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italhai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310

P/O : RJN-LCB-033/66

Project Name : Laemchabang

Project Location :

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161945-1

Page 1 of 3

Sample Number

Parameter

Location

Measurement Date

Measurement by

Sound Level meter

24110394

Noise Level (Leq 5 min)

N2 : สารพัดบาทนอกเขตฝาย 3

Oct 31 - Nov 01, 2024

Santi Chachana

Serial No. 01122267

Oct 31, 2024	Time	Leq dB(A)	L90 dB(A)	Oct 31, 2024	Time	Leq dB(A)	L90 dB(A)	Oct 31 - Nov 01, 2024	Time	Leq dB(A)	L90 dB(A)
03:00 PM - 03:05 PM		55.5	51.9	07:40 PM - 07:45 PM		51.0	49.6	10:20 PM - 10:25 PM		50.2	49.2
03:05 PM - 03:10 PM		55.5	51.5	07:45 PM - 07:50 PM		51.6	50.0	10:25 PM - 10:30 PM		49.2	48.4
03:10 PM - 03:15 PM		49.1	47.2	07:50 PM - 07:55 PM		52.4	51.2	10:30 PM - 10:35 PM		49.4	48.1
03:15 PM - 03:20 PM		51.8	49.5	07:55 PM - 08:00 PM		52.3	51.8	10:35 PM - 10:40 PM		49.7	47.5
03:20 PM - 03:25 PM		52.0	49.1	08:00 PM - 08:05 PM		50.8	48.8	10:40 PM - 10:45 PM		48.6	47.9
03:25 PM - 03:30 PM		51.6	49.9	08:05 PM - 08:10 PM		51.8	50.6	10:45 PM - 10:50 PM		49.1	48.4
03:30 PM - 03:35 PM		52.0	49.3	08:10 PM - 08:15 PM		52.2	51.2	10:50 PM - 10:55 PM		49.4	46.6
03:35 PM - 03:40 PM		51.9	49.0	08:15 PM - 08:20 PM		52.6	51.0	10:55 PM - 11:00 PM		50.0	49.3
03:40 PM - 03:45 PM		51.0	48.1	08:20 PM - 08:25 PM		51.6	50.2	11:00 PM - 11:05 PM		48.5	47.4
03:45 PM - 03:50 PM		49.6	47.1	08:25 PM - 08:30 PM		52.4	51.5	11:05 PM - 11:10 PM		47.8	46.4
03:50 PM - 03:55 PM		50.5	48.3	08:30 PM - 08:35 PM		51.0	49.3	11:10 PM - 11:15 PM		47.1	45.8
03:55 PM - 04:00 PM		49.2	47.1	08:35 PM - 08:40 PM		51.2	49.7	11:15 PM - 11:20 PM		48.7	46.7
04:00 PM - 04:05 PM		49.5	47.4	08:40 PM - 08:45 PM		51.6	50.0	11:20 PM - 11:25 PM		48.0	47.7
04:05 PM - 04:10 PM		49.3	48.2	08:45 PM - 08:50 PM		50.5	48.5	11:25 PM - 11:30 PM		45.7	43.3
04:10 PM - 04:15 PM		51.4	48.3	08:50 PM - 08:55 PM		52.8	51.1	11:30 PM - 11:35 PM		44.5	42.8
04:15 PM - 04:20 PM		48.0	43.9	08:55 PM - 09:00 PM		50.8	49.2	11:35 PM - 11:40 PM		45.8	42.2
04:20 PM - 04:25 PM		50.1	46.2	09:00 PM - 09:05 PM		51.3	49.0	11:40 PM - 11:45 PM		45.1	42.4
04:25 PM - 04:30 PM		49.0	46.3	09:05 PM - 09:10 PM		50.1	48.9	11:45 PM - 11:50 PM		46.8	44.4
04:30 PM - 04:35 PM		52.9	48.3	09:10 PM - 09:15 PM		49.8	48.3	11:50 PM - 11:55 PM		46.1	47.0
04:35 PM - 04:40 PM		51.3	48.7	09:15 PM - 09:20 PM		49.0	47.2	11:55 PM - 12:00 AM		45.6	47.8
04:40 PM - 04:45 PM		49.1	47.3	09:20 PM - 09:25 PM		50.2	48.2	12:00 AM - 12:05 AM		49.3	48.0
04:45 PM - 04:50 PM		50.4	47.9	09:25 PM - 09:30 PM		51.8	50.3	12:05 AM - 12:10 AM		49.2	47.6
04:50 PM - 04:55 PM		51.0	48.6	09:30 PM - 09:35 PM		50.7	49.9	12:10 AM - 12:15 AM		49.1	47.9
04:55 PM - 07:00 PM		52.2	49.1	09:35 PM - 09:40 PM		50.5	49.3	12:15 AM - 12:20 AM		50.3	47.1
07:00 PM - 07:05 PM		51.7	48.5	09:40 PM - 09:45 PM		50.5	48.4	12:20 AM - 12:25 AM		50.5	47.9
07:05 PM - 07:10 PM		52.2	51.7	09:45 PM - 09:50 PM		50.0	48.6	12:25 AM - 12:30 AM		49.1	48.1
07:10 PM - 07:15 PM		52.2	51.0	09:50 PM - 09:55 PM		49.1	48.2	12:30 AM - 12:35 AM		49.5	48.4
07:15 PM - 07:20 PM		52.1	52.7	09:55 PM - 10:00 PM		49.6	48.4	12:35 AM - 12:40 AM		49.9	48.6
07:20 PM - 07:25 PM		52.1	51.7	10:00 PM - 10:05 PM		49.9	48.9	12:40 AM - 12:45 AM		49.9	48.4
07:25 PM - 07:30 PM		52.0	50.5	10:05 PM - 10:10 PM		49.4	48.7	12:45 AM - 12:50 AM		46.6	43.0
07:30 PM - 07:35 PM		51.4	49.9	10:10 PM - 10:15 PM		49.8	47.9	12:50 AM - 12:55 AM		45.2	43.3
07:35 PM - 07:40 PM		51.2	49.9	10:15 PM - 10:20 PM		49.4	47.4	12:55 AM - 01:00 AM		45.5	43.3

Approved by _____


Sarayuth Jitranont
Assistant General Manager

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AGENCY: G.P.H. (THAILAND) P.C. LTD. an SLS Limited Company

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161945-1

Page 3 of 3

Page 1 of 1

Sample Number	24110374									
Parameter	Noise Level (Leq 5 min)									
Location	N2 : ทางเข้า/ทางออกประตูหน้า									
Measurement date	Oct 31 - Nov 01, 2024									
Measurement by	Santi Chachavan									
Sound Level meter	Serial No. 11222567									
	Nov 01, 2024		Nov 01, 2024		Nov 01, 2024		Nov 01, 2024		Nov 01, 2024	
	Leq	L90	Leq	L90	Leq	L90	Leq	L90	Leq	L90
	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)
09:00 AM - 09:05 AM	49.3	46.2	11:40 AM - 11:45 AM	48.1	45.3	02:20 PM - 02:25 PM	50.2	47.0	50.2	47.0
09:05 AM - 09:10 AM	47.6	46.1	11:45 AM - 11:50 AM	48.1	45.2	02:25 PM - 02:30 PM	50.3	47.4	50.3	47.4
09:10 AM - 09:15 AM	47.8	46.1	11:55 AM - 11:55 AM	49.0	45.0	02:30 PM - 02:35 PM	50.4	46.3	50.4	46.3
09:15 AM - 09:20 AM	47.8	44.3	12:00 AM - 12:00 PM	51.3	43.0	02:35 PM - 02:40 PM	48.7	45.0	48.7	45.0
09:20 AM - 09:25 AM	48.4	46.6	12:05 PM - 12:05 PM	45.2	42.5	02:40 PM - 02:45 PM	53.1	46.0	53.1	46.0
09:25 AM - 09:30 AM	47.1	43.9	12:05 PM - 12:10 PM	46.5	43.0	02:45 PM - 02:50 PM	48.4	43.7	48.4	43.7
09:30 AM - 09:35 AM	48.8	43.8	12:10 PM - 12:15 PM	48.1	44.5	02:50 PM - 02:55 PM	48.4	43.7	48.4	43.7
09:35 AM - 09:40 AM	47.7	45.3	12:15 PM - 12:20 PM	47.1	44.4	02:55 PM - 03:00 PM	50.4	45.7	50.4	45.7
09:40 AM - 09:45 AM	45.1	43.5	12:20 PM - 12:25 PM	41.9	41.1	03:00 PM - 03:05 PM	47.7	43.9	47.7	43.9
09:45 AM - 09:50 AM	45.4	43.6	12:25 PM - 12:30 PM	49.8	44.6	03:05 PM - 03:10 PM	48.4	43.8	48.4	43.8
09:50 AM - 09:55 AM	48.2	43.7	12:30 PM - 12:35 PM	48.4	39.8	03:10 PM - 03:15 PM	51.5	42.7	51.5	42.7
09:55 AM - 10:00 AM	46.2	43.4	12:35 PM - 12:40 PM	43.4	39.8	03:15 PM - 03:20 PM	45.7	40.4	45.7	40.4
10:00 AM - 10:05 AM	43.0	41.7	12:40 PM - 12:45 PM	43.8	37.7	03:20 PM - 03:25 PM	46.3	41.2	46.3	41.2
10:05 AM - 10:10 AM	47.9	44.5	12:45 PM - 12:50 PM	42.8	37.1	03:25 PM - 03:30 PM	44.7	40.8	44.7	40.8
10:10 AM - 10:15 AM	44.4	43.4	12:50 PM - 12:55 PM	44.3	37.2	03:30 PM - 03:35 PM	46.0	42.2	46.0	42.2
10:15 AM - 10:20 AM	47.1	44.2	12:55 PM - 01:00 PM	44.7	38.1	03:35 PM - 03:40 PM	47.0	43.0	47.0	43.0
10:20 AM - 10:25 AM	46.9	43.4	01:00 PM - 01:05 PM	42.5	36.3	03:40 PM - 03:45 PM	46.6	43.6	46.6	43.6
10:25 AM - 10:30 AM	44.8	41.5	01:05 PM - 01:10 PM	46.9	33.4	03:45 PM - 03:50 PM	45.5	42.2	45.5	42.2
10:30 AM - 10:35 AM	44.7	41.4	01:10 PM - 01:15 PM	40.5	37.6	03:50 PM - 03:55 PM	46.2	41.2	46.2	41.2
10:35 AM - 10:40 AM	45.0	41.7	01:15 PM - 01:20 PM	39.5	32.0	03:55 PM - 04:00 PM	46.1	43.6	46.1	43.6
10:40 AM - 10:45 AM	47.1	43.2	01:20 PM - 01:25 PM	40.3	36.9	04:00 PM - 04:05 PM	46.0	42.6	46.0	42.6
10:45 AM - 10:50 AM	45.5	42.0	01:25 PM - 01:30 PM	40.9	35.8	04:05 PM - 04:10 PM	45.3	42.6	45.3	42.6
10:50 AM - 10:55 AM	46.9	42.6	01:30 PM - 01:35 PM	42.1	36.9	04:10 PM - 04:15 PM	45.5	42.1	45.5	42.1
10:55 AM - 11:00 AM	45.6	42.5	01:35 PM - 01:40 PM	45.5	40.5	04:15 PM - 04:20 PM	45.0	43.7	45.0	43.7
11:00 AM - 11:05 AM	46.4	42.4	01:40 PM - 01:45 PM	43.0	40.3	04:20 PM - 04:25 PM	46.2	45.6	46.2	45.6
11:05 AM - 11:10 AM	47.9	44.4	01:45 PM - 01:50 PM	47.6	43.5	04:25 PM - 04:30 PM	47.2	42.1	47.2	42.1
11:10 AM - 11:15 AM	48.9	46.4	01:50 PM - 01:55 PM	46.8	45.1	04:30 PM - 04:35 PM	47.1	42.0	47.1	42.0
11:15 AM - 11:20 AM	46.8	44.3	01:55 PM - 02:00 PM	48.7	44.8	04:35 PM - 04:40 PM	45.6	42.1	45.6	42.1
11:20 AM - 11:25 AM	43.3	44.8	02:00 PM - 02:05 PM	49.8	45.8	04:40 PM - 04:45 PM	46.7	43.2	46.7	43.2
11:25 AM - 11:30 AM	48.2	45.4	02:05 PM - 02:10 PM	50.9	45.4	04:45 PM - 04:50 PM	48.0	44.3	48.0	44.3
11:30 AM - 11:35 AM	47.0	44.3	02:10 PM - 02:15 PM	50.4	45.1	04:50 PM - 04:55 PM	46.4	43.6	46.4	43.6
11:35 AM - 11:40 AM	45.0	43.7	02:15 PM - 02:20 PM	50.8	45.5	04:55 PM - 05:00 PM	46.1	43.7	46.1	43.7

Approved by _____


Sarayuth Jitranont
Assistant General Manager

โทรศัพท์ = 616/10 Moo 5 T. Maenam Khu A. Phukdaeng Rayong 21140 Thailand โทรสาร = +66 0 3304 8555 / โทร. +66 0 3304 8556

www.alsglobal.com



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Talithai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RUN-LCB-03/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 1161945-1

Page 3 of 3

Page 2 of 2

Sample Number	2410379-13
Parameter	Noise Level (Leq 5 min)
Location	N2 : สวนพืชมงคลมณฑล 3
Measurement Date	Oct 31 - Nov 01, 2024
Measurement by	Santi Chachana
Sound Level meter	Serial No. 0122527

Nov 01, 2024											
Time		Leq	L90	Time		Leq	L90	Time		Leq	L90
	#(A)	#(A)	#(A)		#(A)	#(A)	#(A)		#(A)	#(A)	#(A)
01:00 AM - 01:05 AM	45.4	43.6	03:40 AM - 03:45 AM	47.2	45.0	06:20 AM - 06:25 AM	50.6	49.6			
01:05 AM - 01:10 AM	47.4	44.0	03:45 AM - 03:50 AM	47.8	46.5	06:25 AM - 06:30 AM	50.7	49.8			
01:10 AM - 01:15 AM	49.3	47.7	03:50 AM - 03:55 AM	54.5	45.3	06:30 AM - 06:35 AM	50.2	49.0			
01:15 AM - 01:20 AM	46.5	46.5	03:55 AM - 04:00 AM	47.6	45.7	06:35 AM - 06:40 AM	50.0	49.1			
01:20 AM - 01:25 AM	47.0	44.1	04:00 AM - 04:05 AM	47.7	46.3	06:40 AM - 06:45 AM	50.1	49.6			
01:25 AM - 01:30 AM	47.2	45.8	04:05 AM - 04:10 AM	47.5	46.2	06:45 AM - 06:50 AM	50.0	48.6			
01:30 AM - 01:35 AM	48.2	47.0	04:10 AM - 04:15 AM	46.5	45.1	06:50 AM - 06:55 AM	49.8	48.9			
01:35 AM - 01:40 AM	47.9	46.6	04:15 AM - 04:20 AM	46.7	44.5	06:55 AM - 07:00 AM	50.3	48.9			
01:40 AM - 01:45 AM	47.2	46.0	04:20 AM - 04:25 AM	46.4	44.5	07:00 AM - 07:05 AM	49.4	47.9			
01:45 AM - 01:50 AM	48.5	46.6	04:25 AM - 04:30 AM	47.2	45.2	07:05 AM - 07:10 AM	50.3	48.1			
01:50 AM - 01:55 AM	47.7	46.7	04:30 AM - 04:35 AM	47.3	47.1	07:10 AM - 07:15 AM	50.1	47.0			
01:55 AM - 02:00 AM	47.7	46.8	04:35 AM - 04:40 AM	48.7	46.0	07:15 AM - 07:20 AM	50.2	47.8			
02:00 AM - 02:05 AM	49.1	48.2	04:40 AM - 04:45 AM	46.5	45.7	07:20 AM - 07:25 AM	49.9	47.6			
02:05 AM - 02:10 AM	44.9	41.8	04:45 AM - 04:50 AM	45.3	43.3	07:25 AM - 07:30 AM	50.2	47.7			
02:10 AM - 02:15 AM	44.4	42.0	04:50 AM - 04:55 AM	46.0	44.8	07:30 AM - 07:35 AM	48.2	46.8			
02:15 AM - 02:20 AM	45.1	42.4	04:55 AM - 05:00 AM	46.3	45.0	07:35 AM - 07:40 AM	48.1	46.3			
02:20 AM - 02:25 AM	51.3	46.4	05:00 AM - 05:05 AM	46.0	44.7	07:40 AM - 07:45 AM	47.9	46.3			
02:25 AM - 02:30 AM	55.5	41.8	05:05 AM - 05:10 AM	46.9	45.7	07:45 AM - 07:50 AM	49.8	47.7			
02:30 AM - 02:35 AM	51.0	49.1	05:10 AM - 05:15 AM	47.1	45.9	07:50 AM - 07:55 AM	48.5	46.6			
02:35 AM - 02:40 AM	49.8	48.5	05:15 AM - 05:20 AM	49.0	47.3	07:55 AM - 08:00 AM	48.5	46.3			
02:40 AM - 02:45 AM	48.1	47.2	05:20 AM - 05:25 AM	47.4	45.8	08:00 AM - 08:05 AM	48.1	46.5			
02:45 AM - 02:50 AM	47.0	45.5	05:25 AM - 05:30 AM	47.5	45.7	08:05 AM - 08:10 AM	47.6	45.5			
02:50 AM - 02:55 AM	47.5	45.2	05:30 AM - 05:35 AM	46.0	43.7	08:10 AM - 08:15 AM	49.9	45.2			
02:55 AM - 03:00 AM	45.9	44.0	05:35 AM - 05:40 AM	45.9	44.0	08:15 AM - 08:20 AM	48.5	44.5			
03:00 AM - 03:05 AM	46.0	43.9	05:40 AM - 05:45 AM	46.9	45.1	08:20 AM - 08:25 AM	46.8	43.6			
03:05 AM - 03:10 AM	45.0	41.0	05:45 AM - 05:50 AM	47.5	46.1	08:25 AM - 08:30 AM	47.5	43.7			
03:10 AM - 03:15 AM	44.7	42.5	05:50 AM - 05:55 AM	47.3	45.9	08:30 AM - 08:35 AM	49.5	46.0			
03:15 AM - 03:20 AM	44.4	42.1	05:55 AM - 06:00 AM	47.8	46.1	08:35 AM - 08:40 AM	49.7	44.1			
03:20 AM - 03:25 AM	45.6	41.6	06:00 AM - 06:05 AM	48.2	47.8	08:40 AM - 08:45 AM	52.7	45.6			
03:25 AM - 03:30 AM	46.0	41.7	06:05 AM - 06:10 AM	50.3	49.2	08:45 AM - 08:50 AM	52.5	46.2			
03:30 AM - 03:35 AM	44.3	41.0	06:10 AM - 06:15 AM	51.0	49.9	08:50 AM - 08:55 AM	50.9	47.3			
03:35 AM - 03:40 AM	44.9	42.8	06:15 AM - 06:20 AM	51.2	49.7	08:55 AM - 09:00 AM	46.9	45.5			

Acknowledgments


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BRIGHT SOLUTIONS



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, 11thai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10110

P/O : RJN-LCB-033/66

Project Name : Leemchabang

Project Location :

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 1161946-1

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

Page 1 of 3

Sample Number
Parameters
Location
Measurement Date
Measurement by
Sound Level meter

24100374-14
(Noise Level (4.5 m))
N2 : ต.บึงสามพัน (เขตเทศบาล)
Nov 01 - Nov 02, 2024
Santi Chakha
Serial No. 0112357

Nov 01, 2024			Nov 01, 2024			Nov 01 - Nov 02, 2024		
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	46.1	43.0	07:40 PM - 07:45 PM	52.9	51.4	10:20 PM - 10:25 PM	49.2	44.6
05:05 PM - 05:10 PM	49.1	48.2	07:45 PM - 07:50 PM	53.8	51.6	10:25 PM - 10:30 PM	56.1	43.8
05:10 PM - 05:15 PM	49.4	43.4	07:50 PM - 07:55 PM	52.5	51.1	10:30 PM - 10:35 PM	49.3	43.4
05:15 PM - 05:20 PM	51.0	46.3	07:55 PM - 08:00 PM	52.8	51.1	10:35 PM - 10:40 PM	44.9	43.1
05:20 PM - 05:25 PM	50.8	47.5	08:00 PM - 08:05 PM	52.5	51.1	10:40 PM - 10:45 PM	44.8	42.7
05:25 PM - 05:30 PM	51.6	46.6	08:05 PM - 08:10 PM	51.3	48.5	10:45 PM - 10:50 PM	45.5	43.0
05:30 PM - 05:35 PM	51.7	47.3	08:10 PM - 08:15 PM	50.9	49.2	10:50 PM - 10:55 PM	45.9	43.1
05:35 PM - 05:40 PM	50.8	46.3	08:15 PM - 08:20 PM	51.3	49.7	10:55 PM - 11:00 PM	47.8	42.9
05:40 PM - 05:45 PM	48.4	46.2	08:20 PM - 08:25 PM	50.7	49.0	11:00 PM - 11:05 PM	46.3	42.7
05:45 PM - 05:50 PM	45.9	45.9	08:25 PM - 08:30 PM	51.0	49.4	11:05 PM - 11:10 PM	48.6	42.7
05:50 PM - 05:55 PM	50.6	46.5	08:30 PM - 08:35 PM	50.8	49.1	11:10 PM - 11:15 PM	48.0	42.8
05:55 PM - 06:00 PM	50.1	44.9	08:35 PM - 08:40 PM	51.4	48.5	11:15 PM - 11:20 PM	46.8	42.9
06:00 PM - 06:05 PM	49.3	45.6	08:40 PM - 08:45 PM	49.9	48.1	11:20 PM - 11:25 PM	46.4	42.8
06:05 PM - 06:10 PM	48.1	45.5	08:45 PM - 08:50 PM	50.8	47.2	11:25 PM - 11:30 PM	45.7	42.7
06:10 PM - 06:15 PM	47.6	45.0	08:50 PM - 08:55 PM	49.8	48.1	11:30 PM - 11:35 PM	46.9	42.8
06:15 PM - 06:20 PM	46.4	43.6	08:55 PM - 09:00 PM	49.1	48.1	11:35 PM - 11:40 PM	44.1	42.5
06:20 PM - 06:25 PM	46.2	42.9	09:00 PM - 09:05 PM	49.2	49.9	11:40 PM - 11:45 PM	44.2	42.7
06:25 PM - 06:30 PM	45.9	41.6	09:05 PM - 09:10 PM	49.2	47.6	11:45 PM - 11:50 PM	45.0	42.4
06:30 PM - 06:35 PM	44.3	40.9	09:10 PM - 09:15 PM	49.3	47.3	11:50 PM - 11:55 PM	45.1	42.8
06:35 PM - 06:40 PM	44.5	41.7	09:15 PM - 09:20 PM	48.9	47.7	11:55 PM - 12:00 AM	45.0	42.4
06:40 PM - 06:45 PM	44.5	41.3	09:20 PM - 09:25 PM	50.1	48.2	12:00 AM - 12:05 AM	45.3	42.7
06:45 PM - 06:50 PM	44.9	41.5	09:25 PM - 09:30 PM	49.1	47.9	12:05 AM - 12:10 AM	45.0	43.4
06:50 PM - 06:55 PM	46.7	42.6	09:30 PM - 09:35 PM	50.1	47.5	12:10 AM - 12:15 AM	45.2	43.6
06:55 PM - 07:00 PM	49.7	46.4	09:35 PM - 09:40 PM	49.4	46.4	12:15 AM - 12:20 AM	44.1	42.4
07:00 PM - 07:05 PM	51.1	48.4	09:40 PM - 09:45 PM	53.3	45.9	12:20 AM - 12:25 AM	45.1	43.3
07:05 PM - 07:10 PM	52.4	50.0	09:45 PM - 09:50 PM	49.5	45.9	12:25 AM - 12:30 AM	46.2	42.0
07:10 PM - 07:15 PM	52.0	50.8	09:50 PM - 09:55 PM	53.3	50.1	12:30 AM - 12:35 AM	46.1	42.0
07:15 PM - 07:20 PM	52.4	51.2	09:55 PM - 10:00 PM	53.0	48.7	12:35 AM - 12:40 AM	45.9	42.5
07:20 PM - 07:25 PM	53.1	51.1	10:00 PM - 10:05 PM	52.8	46.7	12:40 AM - 12:45 AM	44.5	40.9
07:25 PM - 07:30 PM	52.8	51.6	10:05 PM - 10:10 PM	52.4	45.4	12:45 AM - 12:50 AM	43.9	40.7
07:30 PM - 07:35 PM	52.3	51.0	10:10 PM - 10:15 PM	51.8	45.0	12:50 AM - 12:55 AM	44.1	41.4
07:35 PM - 07:40 PM	51.1	50.0						

• • • • •


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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Itaihai Tove, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RUN-LCB-031/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161946-1

Page 2 of 3

Sample Number		24110374-14						
Parameter	Noise Level (Leq 5 min)							
Location	N2 : ทางเข้าซอยซอยซอย 3							
Measurement Date	Nov 01 - Nov 02, 2024							
Measurement by	Sanit Chulchana							
Sound Level meter	Serial No. 01122567							
Nov 02, 2024		Nov 02, 2024		Nov 02, 2024				
Time	Leq dBA(A)	L90 dBA(A)	Time	Leq dBA(A)	L90 dBA(A)	Time	Leq dBA(A)	L90 dBA(A)
01:00 AM - 01:05 AM	43.1	41.9	03:40 AM - 03:45 AM	43.1	40.9	06:20 AM - 06:25 AM	49.6	46.7
01:05 AM - 01:10 AM	43.4	41.6	03:45 AM - 03:50 AM	47.7	41.4	06:25 AM - 06:30 AM	50.4	47.3
01:10 AM - 01:15 AM	45.0	42.2	03:50 AM - 03:55 AM	46.3	40.9	06:30 AM - 06:35 AM	49.2	47.5
01:15 AM - 01:20 AM	46.0	42.6	03:55 AM - 04:00 AM	46.5	41.6	06:35 AM - 06:40 AM	47.1	45.4
01:20 AM - 01:25 AM	47.1	42.4	04:00 AM - 04:05 AM	46.7	41.7	06:40 AM - 06:45 AM	47.7	45.7
01:25 AM - 01:30 AM	46.2	42.5	04:05 AM - 04:10 AM	47.9	41.6	06:45 AM - 06:50 AM	48.3	46.6
01:30 AM - 01:35 AM	46.7	42.8	04:10 AM - 04:15 AM	48.6	42.5	06:50 AM - 06:55 AM	47.9	46.8
01:35 AM - 01:40 AM	45.4	42.0	04:15 AM - 04:20 AM	48.8	42.4	06:55 AM - 07:00 AM	48.0	46.4
01:40 AM - 01:45 AM	46.2	42.7	04:20 AM - 04:25 AM	49.1	41.7	07:00 AM - 07:05 AM	47.3	46.0
01:45 AM - 01:50 AM	46.0	42.5	04:25 AM - 04:30 AM	47.2	40.0	07:05 AM - 07:10 AM	46.9	45.1
01:50 AM - 01:55 AM	44.5	41.7	04:30 AM - 04:35 AM	47.4	39.9	07:10 AM - 07:15 AM	47.0	44.9
01:55 AM - 02:00 AM	44.1	42.6	04:35 AM - 04:40 AM	41.0	39.3	07:15 AM - 07:20 AM	54.4	45.8
02:00 AM - 02:05 AM	46.1	43.1	04:40 AM - 04:45 AM	47.5	40.8	07:20 AM - 07:25 AM	48.7	44.7
02:05 AM - 02:10 AM	44.9	42.1	04:45 AM - 04:50 AM	48.9	41.2	07:25 AM - 07:30 AM	50.0	45.2
02:10 AM - 02:15 AM	46.1	42.3	04:50 AM - 04:55 AM	49.3	40.2	07:30 AM - 07:35 AM	46.3	45.1
02:15 AM - 02:20 AM	48.2	43.2	04:55 AM - 05:00 AM	42.9	38.5	07:35 AM - 07:40 AM	49.3	44.8
02:20 AM - 02:25 AM	48.4	43.0	05:00 AM - 05:05 AM	42.4	40.4	07:40 AM - 07:45 AM	46.1	44.9
02:25 AM - 02:30 AM	50.1	44.0	05:05 AM - 05:10 AM	42.2	40.9	07:45 AM - 07:50 AM	45.5	44.2
02:30 AM - 02:35 AM	49.5	43.1	05:10 AM - 05:15 AM	42.1	40.9	07:50 AM - 07:55 AM	45.6	44.8
02:35 AM - 02:40 AM	50.0	43.9	05:15 AM - 05:20 AM	42.1	40.8	07:55 AM - 08:00 AM	46.9	44.4
02:40 AM - 02:45 AM	49.5	44.2	05:20 AM - 05:25 AM	42.8	41.6	08:00 AM - 08:05 AM	50.0	45.4
02:45 AM - 02:50 AM	47.8	42.7	05:25 AM - 05:30 AM	42.6	41.6	08:05 AM - 08:10 AM	49.6	45.0
02:50 AM - 02:55 AM	45.9	42.2	05:30 AM - 05:35 AM	42.2	41.2	08:10 AM - 08:15 AM	51.5	44.7
02:55 AM - 03:00 AM	47.0	41.7	05:35 AM - 05:40 AM	41.1	41.8	08:15 AM - 08:20 AM	52.0	45.8
03:00 AM - 03:05 AM	47.8	41.2	05:40 AM - 05:45 AM	44.1	42.0	08:20 AM - 08:25 AM	49.1	45.1
03:05 AM - 03:10 AM	47.9	41.3	05:45 AM - 05:50 AM	46.0	44.2	08:25 AM - 08:30 AM	50.6	46.5
03:10 AM - 03:15 AM	49.2	42.4	05:50 AM - 05:55 AM	46.6	45.0	08:30 AM - 08:35 AM	50.8	46.7
03:15 AM - 03:20 AM	48.7	42.5	05:55 AM - 06:00 AM	46.2	44.6	08:35 AM - 08:40 AM	52.1	47.8
03:20 AM - 03:25 AM	48.9	41.8	06:00 AM - 06:05 AM	47.1	45.0	08:40 AM - 08:45 AM	52.8	47.6
03:25 AM - 03:30 AM	49.3	41.1	06:05 AM - 06:10 AM	47.4	45.5	08:45 AM - 08:50 AM	51.3	47.1
03:30 AM - 03:35 AM	44.1	40.9	06:10 AM - 06:15 AM	45.8	43.8	08:50 AM - 08:55 AM	52.0	47.6
03:35 AM - 03:40 AM	45.6	41.7	06:15 AM - 06:20 AM	47.0	44.6	08:55 AM - 09:00 AM	51.7	46.5

The above results are used only for the analysis and test results. It is not intended to be used for any other purpose. The results are not to be used for any other purpose. The results are not to be used for any other purpose.

Approved by Saranyut Jitranont Assistant General Manager

NOISE/61610 Moo 5 T. Maenam Khu A. Phukdang Rayong 21140 Thailand. P/NOISE/61610 Moo 5 T. Maenam Khu A. Phukdang Rayong 21140 Thailand. P/NOISE/61610 Moo 5 T. Maenam Khu A. Phukdang Rayong 21140 Thailand.

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RIGHT SOLUTIONS RIGHT PARTS RIGHT PEOPLE



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Itaihai Tove, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RUN-LCB-031/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161947-1

Page 1 of 3

Sample Number	24110374-15							
Parameter	Noise Level (Leq 5 min)							
Location	N3 : ทางเข้าซอยซอยซอย 4							
Measurement Date	Oct 26 - Oct 27, 2024							
Measurement by	Santi Chaichana							
Sound Level meter	Serial No. 00734220							
Oct 26, 2024		Leq	L90	Oct 26, 2024		Leq	L90	
Time	dB(A)	dB(A)	dB(A)	Time	dB(A)	dB(A)	dB(A)	
04:00 PM - 04:05 PM	52.6	44.1	06:40 PM - 06:45 PM	48.9	48.2	09:20 PM - 09:25 PM	47.7	45.8
04:05 PM - 04:10 PM	52.5	43.5	06:45 PM - 06:50 PM	49.2	48.2	09:25 PM - 09:30 PM	46.9	46.2
04:10 PM - 04:15 PM	51.4	42.5	06:50 PM - 06:55 PM	50.2	48.5	09:30 PM - 09:35 PM	46.4	44.6
04:15 PM - 04:20 PM	51.4	42.7	06:55 PM - 07:00 PM	52.1	48.4	09:35 PM - 09:40 PM	46.7	46.1
04:20 PM - 04:25 PM	50.3	43.0	07:00 PM - 07:05 PM	50.2	49.4	09:40 PM - 09:45 PM	47.6	46.1
04:25 PM - 04:30 PM	44.0	41.1	07:05 PM - 07:10 PM	55.3	51.5	09:45 PM - 09:50 PM	47.3	45.8
04:30 PM - 04:35 PM	45.6	41.6	07:10 PM - 07:15 PM	53.8	50.7	09:50 PM - 09:55 PM	46.2	45.3
04:35 PM - 04:40 PM	47.1	41.0	07:15 PM - 07:20 PM	49.9	48.1	09:55 PM - 10:00 PM	47.6	45.4
04:40 PM - 04:45 PM	42.1	40.4	07:20 PM - 07:25 PM	49.1	48.2	10:00 PM - 10:05 PM	46.5	43.8
04:45 PM - 04:50 PM	45.8	41.2	07:25 PM - 07:30 PM	49.3	48.3	10:05 PM - 10:10 PM	46.4	45.8
04:50 PM - 04:55 PM	48.3	41.7	07:30 PM - 07:35 PM	49.1	48.2	10:10 PM - 10:15 PM	46.2	44.3
04:55 PM - 05:00 PM	49.5	42.9	07:35 PM - 07:40 PM	49.1	48.7	10:15 PM - 10:20 PM	45.4	44.3
05:00 PM - 05:05 PM	50.7	43.5	07:40 PM - 07:45 PM	49.7	49.4	10:20 PM - 10:25 PM	45.5	44.6
05:05 PM - 05:10 PM	50.1	43.7	07:45 PM - 07:50 PM	49.0	48.5	10:25 PM - 10:30 PM	45.8	45.1
05:10 PM - 05:15 PM	48.5	42.9	07:50 PM - 07:55 PM	49.4	48.3	10:30 PM - 10:35 PM	45.1	44.4
05:15 PM - 05:20 PM	44.9	42.7	07:55 PM - 08:00 PM	48.8	48.2	10:35 PM - 10:40 PM	45.7	44.4
05:20 PM - 05:25 PM	47.7	43.1	08:00 PM - 08:05 PM	49.4	48.2	10:40 PM - 10:45 PM	47.0	45.7
05:25 PM - 05:30 PM	45.7	43.5	08:05 PM - 08:10 PM	47.3	46.1	10:45 PM - 10:50 PM	48.0	45.4
05:30 PM - 05:35 PM	46.5	43.7	08:10 PM - 08:15 PM	46.1	47.7	10:50 PM - 10:55 PM	46.0	45.1
05:35 PM - 05:40 PM	48.7	43.4	08:15 PM - 08:20 PM	48.2	47.8	10:55 PM - 11:00 PM	46.4	45.6
05:40 PM - 05:45 PM	45.4	44.0	08:20 PM - 08:25 PM	48.2	47.8	11:00 PM - 11:05 PM	47.0	46.1
05:45 PM - 05:50 PM	48.1	44.2	08:25 PM - 08:30 PM	48.2	47.2	11:05 PM - 11:10 PM	47.4	46.2
05:50 PM - 05:55 PM	49.9	45.1	08:30 PM - 08:35 PM	46.9	46.0	11:10 PM - 11:15 PM	47.9	46.8
05:55 PM - 06:00 PM	58.2	45.5	08:35 PM - 08:40 PM	47.2	46.1	11:15 PM - 11:20 PM	48.0	47.2
06:00 PM - 06:05 PM	46.1	45.1	08:40 PM - 08:45 PM	49.6	47.8	11:20 PM - 11:25 PM	47.7	46.7
06:05 PM - 06:10 PM	45.9	44.5	08:45 PM - 08:50 PM	48.8	47.2	11:25 PM - 11:30 PM	48.1	47.2
06:10 PM - 06:15 PM	48.6	45.3	08:50 PM - 08:55 PM	52.8	47.8	11:30 PM - 11:35 PM	52.5	47.0
06:15 PM - 06:20 PM	49.1	48.0	08:55 PM - 09:00 PM	47.2	46.5	11:35 PM - 11:40 PM	48.2	47.2
06:20 PM - 06:25 PM	50.3	47.4	09:00 PM - 09:05 PM	47.6	47.0	11:40 PM - 11:45 PM	48.2	47.2
06:25 PM - 06:30 PM	52.8	48.6	09:05 PM - 09:10 PM	47.1	45.9	11:45 PM - 11:50 PM	47.7	47.0
06:30 PM - 06:35 PM	49.1	48.6	09:10 PM - 09:15 PM	47.2	46.4	11:50 PM - 11:55 PM	48.2	47.2
06:35 PM - 06:40 PM	53.2	48.7	09:15 PM - 09:20 PM	47.2	46.7	11:55 PM - 12:00 AM	48.8	47.6

The above results are used only for the analysis and test results. It is not intended to be used for any other purpose. The results are not to be used for any other purpose. The results are not to be used for any other purpose.

Approved by Saranyut Jitranont Assistant General Manager

NOISE/61610 Moo 5 T. Maenam Khu A. Phukdang Rayong 21140 Thailand. P/NOISE/61610 Moo 5 T. Maenam Khu A. Phukdang Rayong 21140 Thailand. P/NOISE/61610 Moo 5 T. Maenam Khu A. Phukdang Rayong 21140 Thailand.

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RIGHT SOLUTIONS RIGHT PARTS RIGHT PEOPLE



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Itaihai Tove, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RUN-LCB-031/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161946-1

Page 3 of 3

Sample Number		24110374-14		Sample Number		24110374-14	
Parameter		Noise Level (Leq 5 min)		Parameter		Noise Level (Leq 5 min)	
Location		N2 : ทางเข้าซอยซอยซอย 3		Location		N2 : ทางเข้าซอยซอยซอย 3	
Measurement Date		Nov 01 - Nov 02, 2024		Measurement Date		Nov 01 - Nov 02, 2024	
Measurement by		Sound Level meter		Measurement by		Sound Level meter	
		Serial No. 01122567				Serial No. 01122567	
Nov 02, 2024				Nov 02, 2024			
Time		Leq dBA(A)	L90 dBA(A)	Time		Leq dBA(A)	L90 dBA(A)
09:00 AM - 09:05 AM		54.3	46.5	11:40 AM - 11:45 AM		50.8	45.3
09:05 AM - 09:10 AM		52.9	46.4	11:45 AM - 11:50 AM		49.1	45.1
09:10 AM - 09:15 AM		50.2	47.2	11:50 AM - 11:55 AM		47.5	44.9
09:15 AM - 09:20 AM		54.9	47.5	11:55 AM - 12:00 PM		46.9	44.3
09:20 AM - 09:25 AM		51.9	46.8	12:00 PM - 12:05 PM		48.1	45.4
09:25 AM - 09:30 AM		50.3	47.5	12:05 PM - 12:10 PM		47.1	44.6
09:30 AM - 09:35 AM		50.3	46.3	12:10 PM - 12:15 PM		49.7	44.8
09:35 AM - 09:40 AM		49.4	45.3	12:15 PM - 12:20 PM		51.1	46.7
09:40 AM - 09:45 AM		50.8	45.9	12:20 PM - 12:25 PM		51.4	45.4
09:45 AM - 09:50 AM		50.7	47.0	12:25 PM - 12:30 PM		50.9	46.7
09:50 AM - 09:55 AM		49.7	46.4	12:30 PM - 12:35 PM		51.2	48.2
09:55 AM - 10:00 AM		51.1	45.8	12:35 PM - 12:40 PM		46.3	57.3
10:00 AM - 10:05 AM		49.9	45.4	12:40 PM - 12:45 PM		46.1	41.1
10:05 AM - 10:10 AM		48.1	45.0	12:45 PM - 12:50 PM		43.6	40.9
10:10 AM - 10:15 AM		50.8	45.4	12:50 PM - 12:55 PM		48.2	44.1
10:15 AM - 10:20 AM		52.5	46.1	12:55 PM - 01:00 PM		49.2	45.4
10:20 AM - 10:25 AM		49.7	44.1	01:00 PM - 01:05 PM		50.3	45.4
10:25 AM - 10:30 AM		46.6	45.5	01:05 PM - 01:10 PM		49.7	45.4
10:30 AM - 10:35 AM		49.4	45.5	01:10 PM - 01:15 PM		51.5	46.0
10:35 AM - 10:40 AM		48.1	45.5	01:15 PM - 01:20 PM		51.0	44.7
10:40 AM - 10:45 AM		49.3	44.8	01:20 PM - 01:25 PM		49.4	45.1
10:45 AM - 10:50 AM		51.1	45.2	01:25 PM - 01:30 PM		50.4	47.6
10:50 AM - 10:55 AM		52.2	47.2	01:30 PM - 01:35 PM		50.9	46.0
10:55 AM - 11:00 AM		52.2	47.3	01:35 PM - 01:40 PM		51.0	46.9
11:00 AM - 11:05 AM		51.0	45.7	01:40 PM - 01:45 PM		49.3	45.6
11:05 AM - 11:10 AM		50.7	45.5	01:45 PM - 01:50 PM		51.9	46.6
11:10 AM - 11:15 AM		51.6	44.9	01:50 PM - 01:55 PM		49.0	44.3
11:15 AM - 11:20 AM		53.8	48.8	01:55 PM - 02:00 PM		49.3	44.8
11:20 AM - 11:25 AM		50.9	47.7	02:00 PM - 02:05 PM		51.0	46.1
11:25 AM - 11:30 AM		51.5	48.1	02:05 PM - 02:10 PM		48.3	44.5
11:30 AM - 11:35 AM		51.5	47.1	02:10 PM - 02:15 PM		49.0	42.4
11:35 AM - 11:40 AM		51.0	45.7	02:15 PM - 02:20 PM		52.1	43.5



Analysis / Test Report

Cliant : Rojana Industrial Park Public Co., Ltd.
203/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-03/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161947-1

Page 3 of 3

Sample Number		24110374-15	
Parameter		Noise Level (Leq 5 min)	
Location		N3 : ถนนพหลโยธินฝั่งหน้า 4	
Measurement Date		Oct 26 - Oct 27, 2024	
Measurement by		Santi Chachana	
Sound Level meter		Serial No. 00734220	

Oct 27, 2024		Oct 27, 2024		Oct 27, 2024		Oct 27, 2024		Oct 27, 2024			
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 AM - 06:05 AM	44.9	42.2	10:40 AM - 10:45 AM	48.3	42.8	01:20 PM - 01:25 PM	51.4	40.1	06:05 AM - 06:10 AM	45.8	41.3
06:05 AM - 06:10 AM	55.8	41.3	10:45 AM - 10:50 AM	59.8	41.6	01:25 PM - 01:30 PM	58.2	40.3	06:10 AM - 06:15 AM	43.9	40.4
06:10 AM - 06:15 AM	61.9	41.1	10:50 AM - 10:55 AM	46.5	41.7	01:30 PM - 01:35 PM	53.3	45.4	06:15 AM - 06:20 AM	45.2	40.1
06:15 AM - 06:20 AM	43.9	40.2	10:55 AM - 11:00 AM	47.0	40.3	01:35 PM - 01:40 PM	56.2	42.4	06:20 AM - 06:25 AM	45.6	42.1
06:20 AM - 06:25 AM	42.1	38.3	11:00 AM - 11:05 AM	47.0	40.3	01:40 PM - 01:45 PM	52.3	46.9	06:25 AM - 06:30 AM	45.2	40.1
06:25 AM - 06:30 AM	45.2	40.1	11:05 AM - 11:10 AM	46.0	42.2	01:45 PM - 01:50 PM	48.4	40.4	06:30 AM - 06:35 AM	44.8	39.7
06:30 AM - 06:35 AM	44.8	39.7	11:10 AM - 11:15 AM	46.1	42.3	01:50 PM - 01:55 PM	48.0	41.1	06:35 AM - 06:40 AM	45.5	42.1
06:35 AM - 06:40 AM	45.5	42.1	11:15 AM - 11:20 AM	42.1	39.2	01:55 PM - 02:00 PM	42.6	40.4	06:40 AM - 06:45 AM	45.6	42.1
06:40 AM - 06:45 AM	45.6	39.1	11:20 AM - 11:25 AM	46.5	42.8	02:00 PM - 02:05 PM	42.6	40.1	06:45 AM - 06:50 AM	45.6	42.1
06:45 AM - 06:50 AM	43.9	39.6	11:25 AM - 11:30 AM	47.3	41.0	02:05 PM - 02:10 PM	41.5	39.6	06:50 AM - 06:55 AM	43.9	40.3
06:50 AM - 06:55 AM	43.1	40.3	11:30 AM - 11:35 AM	46.1	41.5	02:10 PM - 02:15 PM	43.4	40.3	06:55 AM - 07:00 AM	45.3	41.8
06:55 AM - 07:00 AM	45.3	41.8	11:35 AM - 11:40 AM	43.2	40.2	02:15 PM - 02:20 PM	49.2	41.1	07:00 AM - 07:05 AM	46.2	40.2
07:00 AM - 07:05 AM	46.2	40.2	11:40 AM - 11:45 AM	43.6	39.9	02:20 PM - 02:25 PM	43.5	40.6	07:05 AM - 07:10 AM	45.1	41.0
07:05 AM - 07:10 AM	45.1	41.0	11:45 AM - 11:50 AM	45.1	38.6	02:25 PM - 02:30 PM	42.8	40.0	07:10 AM - 07:15 AM	44.6	41.4
07:10 AM - 07:15 AM	51.1	41.8	11:50 AM - 11:55 AM	44.4	41.7	02:30 PM - 02:35 PM	43.4	39.9	07:15 AM - 07:20 PM	43.9	41.3
07:15 AM - 07:20 PM	54.6	41.5	11:55 AM - 12:00 PM	50.0	38.5	02:35 PM - 02:40 PM	43.4	41.0	07:20 AM - 07:25 AM	44.2	40.2
07:20 AM - 07:25 AM	42.2	38.6	12:00 PM - 12:05 PM	44.2	40.2	02:40 PM - 02:45 PM	46.4	42.6	07:25 AM - 07:30 AM	44.2	38.2
07:25 AM - 07:30 AM	42.2	38.2	12:05 PM - 12:10 PM	48.2	39.0	02:45 PM - 02:50 PM	58.3	41.0	07:30 AM - 07:35 PM	43.9	41.3
07:30 AM - 07:35 PM	44.2	40.2	12:10 PM - 12:15 PM	40.8	37.4	02:50 PM - 02:55 PM	41.1	39.4	07:35 AM - 07:40 AM	43.9	41.3
07:35 AM - 07:40 AM	45.3	41.3	12:15 PM - 12:20 PM	45.3	37.5	02:55 PM - 03:00 PM	44.1	40.0	07:40 AM - 07:45 PM	43.9	41.3
07:40 AM - 07:45 PM	42.6	40.4	12:20 PM - 12:25 PM	42.9	39.9	03:00 PM - 03:05 PM	42.8	39.8	07:45 AM - 07:50 PM	43.7	41.7
07:45 AM - 07:50 PM	42.3	38.9	12:25 PM - 12:30 PM	48.2	39.1	03:05 PM - 03:10 PM	47.4	41.2	07:50 AM - 07:55 AM	43.7	41.7
07:50 AM - 07:55 AM	42.3	39.5	12:30 PM - 12:35 PM	42.2	39.8	03:10 PM - 03:15 PM	47.2	42.9	07:55 AM - 08:00 AM	43.9	41.3
07:55 AM - 08:00 AM	42.0	39.0	12:35 PM - 12:40 PM	41.3	39.8	03:15 PM - 03:20 PM	43.0	41.2	08:00 AM - 08:05 AM	46.9	42.3
08:00 AM - 08:05 AM	46.9	42.3	12:40 PM - 12:45 PM	49.6	40.5	03:20 PM - 03:25 PM	47.4	41.5	08:05 AM - 08:10 AM	45.0	40.8
08:05 AM - 08:10 AM	42.0	38.9	12:45 PM - 12:50 PM	47.0	39.2	03:25 PM - 03:30 PM	44.8	41.7	08:10 AM - 08:15 AM	45.3	41.3
08:10 AM - 08:15 AM	43.2	38.2	12:50 PM - 12:55 PM	45.9	41.0	03:30 PM - 03:35 PM	44.3	41.0	08:15 AM - 08:20 AM	46.5	42.7
08:15 AM - 08:20 AM	46.5	42.7	12:55 PM - 01:00 PM	42.1	38.5	03:35 PM - 03:40 PM	54.9	42.1	08:20 AM - 08:25 AM	45.2	40.4
08:20 AM - 08:25 AM	45.2	40.4	01:00 PM - 01:05 PM	44.5	37.8	03:40 PM - 03:45 PM	43.9	41.8	08:25 AM - 08:30 AM	42.9	39.9
08:25 AM - 08:30 AM	42.9	39.9	01:05 PM - 01:10 PM	54.1	39.3	03:45 PM - 03:50 PM	43.4	41.9	08:30 AM - 08:35 AM	46.2	42.6
08:30 AM - 08:35 AM	46.2	42.6	01:10 PM - 01:15 PM	47.2	41.4	03:50 PM - 03:55 PM	42.9	41.9	08:35 AM - 08:40 AM	47.0	42.1
08:35 AM - 08:40 AM	47.0	42.1	01:15 PM - 01:20 PM	49.8	42.7	03:55 PM - 04:00 PM	41.3	41.7			

The data results are valid only for the indicated test conditions. No extrapolation should be made. The data results are valid only for the indicated test conditions. No extrapolation should be made. The data results are valid only for the indicated test conditions. No extrapolation should be made.

Approved by

Sarayu Jittrant
Assistant General Manager

ADDRESS: 616/10 Moo 5 T. Maenam Khu A. Phakdang Rayong 21140 Thailand. Phone: +66 0 3304 8555 Fax: +66 0 3304 8556



Analysis / Test Report

Cliant : Rojana Industrial Park Public Co., Ltd.
203/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-03/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161948-1

Sample Number		24110374-16		Parameter		Noise Level (Leq 5 min)		Location		N3 : ถนนพหลโยธินฝั่งหน้า 4		Measurement Date		Oct 27 - Oct 28, 2024		Measurement by		Santi Chachana		Serial No. 00734220	
Time		Leq	L90	Time		Leq	L90	Time		Leq	L90	Time		Leq	L90	Time		Leq	L90	Time	
Oct 28, 2024		dB(A)	dB(A)	Oct 28, 2024		dB(A)	dB(A)	Oct 28, 2024		dB(A)	dB(A)	Oct 28, 2024		dB(A)	dB(A)	Oct 28, 2024		dB(A)	dB(A)	Oct 28, 2024	
12:00 AM - 12:05 AM		62.8	59.5	07:40 AM - 07:45 AM		44.1	43.6	05:20 AM - 05:25 AM		46.4	43.2	12:05 AM - 12:10 AM		49.8	48.0	07:45 AM - 07:50 AM		44.0	42.5	05:25 AM - 05:30 AM	
12:05 AM - 12:10 AM		48.1	47.4	07:45 AM - 07:50 AM		44.0	42.5	05:25 AM - 05:30 AM		46.0	44.8	12:10 AM - 12:15 AM		48.1	47.4	07:50 AM - 07:55 AM		43.4	42.1	05:30 AM - 05:35 AM	
12:10 AM - 12:15 AM		47.5	46.4	07:50 AM - 07:55 AM		43.4	42.1	05:30 AM - 05:35 AM		47.1	44.7	12:15 AM - 12:20 AM		47.5	46.4	07:55 AM - 08:00 AM		43.4	42.1	05:35 AM - 05:40 AM	
12:15 AM - 12:20 AM		46.9	45.8	08:00 AM - 08:05 AM		43.0	42.6	05:40 AM - 05:45 AM		47.1	44.2	12:20 AM - 12:25 AM		47.2	46.1	08:00 AM - 08:05 AM		42.7	42.3	05:45 AM - 05:50 AM	
12:20 AM - 12:25 AM		47.2	46.1	08:05 AM - 08:10 AM		42.7	42.3	05:45 AM - 05:50 AM		47.4	44.6	12:25 AM - 12:30 AM		47.2	46.1	08:05 AM - 08:10 AM		42.7	42.3	05:50 AM - 05:55 AM	
12:25 AM - 12:30 AM		46.9	45.5	08:10 AM - 08:15 AM		41.8	40.9	05:50 AM - 05:55 AM		47.2	43.8	12:30 AM - 12:35 AM		46.9	45.5	08:10 AM - 08:15 AM		41.8	40.9	05:55 AM - 06:00 AM	
12:30 AM - 12:35 AM		47.6	46.6	08:15 AM - 08:20 AM		42.2	41.7	05:55 AM - 06:00 AM		51.8	48.0	12:35 AM - 12:40 AM		47.6	46.6	08:15 AM - 08:20 AM		42.2	41.7	06:00 AM - 06:05 AM	
12:35 AM - 12:40 AM		47.7	46.8	08:20 AM - 08:25 AM		43.8	42.4	06:00 AM - 06:05 AM		53.3	44.2	12:40 AM - 12:45 AM		47.7	46.8	08:20 AM - 08:25 AM		43.8	42.4	06:05 AM - 06:10 AM	
12:40 AM - 12:45 AM		47.9	46.7	08:25 AM - 08:30 AM		44.6	42.7	06:05 AM - 06:10 AM		50.2	45.9	12:45 AM - 12:50 AM		47.9	46.7	08:25 AM - 08:30 AM		44.6	42.7	06:10 AM - 06:15 AM	
12:45 AM - 12:50 AM		47.0	46.0	08:30 AM - 08:35 AM		45.8	43.6	06:10 AM - 06:15 AM		48.0	45.9	12:50 AM - 12:55 AM		47.0	46.0	08:30 AM - 08:35 AM		44.6	42.7	06:15 AM - 06:20 AM	
12:50 AM - 12:55 AM		46.9	45.8	08:35 AM - 08:40 AM		44.8	43.8	06:15 AM - 06:20 AM		51.4	46.3	12:55 AM - 01:00 AM		46.9	45.8	08:35 AM - 08:40 AM		44.8	43.8	06:20 AM - 06:25 AM	
01:00 AM - 01:05 AM		47.2	46.2	08:40 AM - 08:45 AM		44.2	42.7	06:20 AM - 06:25 AM		47.4	45.2	01:00 AM - 01:05 AM		47.2	46.2	08:40 AM - 08:45 AM		44.2	42.7	06:25 AM - 06:30 AM	
01:05 AM - 01:10 AM		47.3	46.3	08:45 AM - 08:50 AM		44.3	42.3	06:25 AM - 06:30 AM		46.4	45.0	01:05 AM - 01:10 AM		47.3	46.3	08:45 AM - 08:50 AM		44.3	42.3	06:30 AM - 06:35 AM	
01:10 AM - 01:15 AM		47.1	46.1	08:50 AM - 08:55 AM		43.9	43.3	06:30 AM - 06:35 AM		46.2	44.0	01:10 AM - 01:15 AM		47.1	46.1	08:50 AM - 08:55 AM		43.9	43.3	06:35 AM - 06:40 AM	
01:15 AM - 01:20 AM		47.1	45.8	08:55 AM - 09:00 AM		43.1	42.4	06:35 AM - 06:40 AM		47.4	44.9	01:15 AM - 01:20 AM		47.1	45.8	08:55 AM - 09:00 AM		43.1	42.4	06:40 AM - 06:45 AM	
01:20 AM - 01:25 AM		47.2	46.1	09:00 AM - 09:05 AM		42.9	42.5	06:40 AM - 06:45 AM		48.0	44.6	01:20 AM - 01:25 AM		47.2	46.1	09:00 AM - 09:05 AM		42.9	42.5	06:45 AM - 06:50 AM	
01:25 AM - 01:30 AM		45.9	43.6	09:05 AM - 09:10 AM		43.3	42.7	06:45 AM - 06:50 AM		49.0	45.1	01:25 AM - 01:30 AM		45.9	43.6	09:05 AM - 09:10 AM		43.3	42.7	06:50 AM - 06:55 AM	
01:30 AM - 01:35 AM		46.3	44.7	09:10 AM - 09:15 AM		43.4	42.9	06:50 AM - 06:55 AM		46.8	44.9	01:30 AM - 01:35 AM		46.3	44.7	09:10 AM - 09:15 AM		43.4	42.9	06:55 AM - 07:00 AM	
01:35 AM - 01:40 AM		46.0	42.9	09:15 AM - 09:20 AM		43.1	42.7	06:55 AM - 07:00 AM		47.6	44.3	01:35 AM - 01:40 AM		46.0	42.9	09:15 AM - 09:20 AM		43.1	42.7	07:00 AM - 07:05 AM	
01:40 AM - 01:45 AM		46.7	44.6	09:20 AM - 09:25 AM		43.2	42.3	07:00 AM - 07:05 AM		47.7	44.6	01:40 AM - 01:45 AM		46.7	44.6	09:20 AM - 09:25 AM		43.2	42.3	07:05 AM - 07:10 AM	
01:45 AM - 01:50 AM		46.5	43.4	09:25 AM - 09:30 AM		43.0	42.4	07:05 AM - 07:10 AM		48.0	45.8	01:45 AM - 01:50 AM		46.5	43.4	09:25 AM - 09:30 AM		43.0	42.4	07:10 AM - 07:15 AM	
01:50 AM - 01:55 AM		45.6	42.3	09:30 AM - 09:35 AM		41.6	41.0	07:10 AM - 07:15 AM		50.4	45.2	01:50 AM - 01:55 AM		45.6	42.3	09:30 AM - 09:35 AM		41.6	41.0	07:15 AM - 07:20 AM	
01:55 AM - 02:00 AM		45.8	42.5	09:35 AM - 09:40 AM		43.6	42.2	07:15 AM - 07:20 AM		47.4	44.5	01:55 AM - 02:00 AM		45.8	42.5	09:35 AM - 09:40 AM		43.6	42.2	07:20 AM - 07:25 AM	
02:00 AM - 02:05 AM		45.2	42.9	09:40 AM - 09:45 AM		43.5	42.7	07:20 AM - 07:25 AM		45.6	42.4	02:00 AM - 02:05 AM		45.2	42.9	09:40 AM - 09:45 AM		43.5	42.7	07:25 AM - 07:30 AM	
02:05 AM - 02:10 AM		51.5	43.8	09:45 AM - 09:50 AM		48.1	45.0	07:25 AM - 07:30 AM		47.6	43.3	02:05 AM - 02:10 AM		51.5	43.8	09:45 AM - 09:50 AM		48.1	45.0	07:30 AM - 07:35 AM	
02:10 AM - 02:15 AM		43.5	42.5	09:50 AM - 09:55 AM		45.9	43.9	07:30 AM - 07:35 AM		53.5	44.3	02:10 AM - 02:15 AM		43.5	42.5	09:50 AM - 09:55 AM		45.9	43.9	07:35 AM - 07:40 AM	
02:15 AM - 02:20 AM		43.6	42.4	09:55 AM - 10:00 AM		45.2	43.5	07:35 AM - 07:40 AM		46.7	42.0	02:15 AM - 02:20 AM		43.6	42.4	09:55 AM - 10:00 AM		45.2	43.5	07:40 AM - 07:45 AM	
02:20 AM - 02:25 AM		44.6	43.4	10:00 AM - 10:05 AM		44.5	42.6	07:40 AM - 07:45 AM		45.5	43.2	02:20 AM - 02:25 AM		44.6	43.4	10:00 AM - 10:05 AM		44.5	42.6	07:45 AM - 07:50 AM	
02:25 AM - 02:30 AM		47.7	43.2	10:05 AM - 10:10 AM		45.0	42.7	07:45 AM - 07:50 AM		46.9	44.0	02:25 AM - 02:30 AM		47.7	43.2	10:05 AM - 10:10 AM		45.0	42.7	07:50 AM - 07:55 AM	
02:30 AM - 02:35 AM		43.6	42.1	10:10 AM - 10:15 AM		45.7	44.4	07:50 AM - 07:55 AM		49.5	43.9	02:30 AM - 02:35 AM		43.6	42.1	10:10 AM - 10:15 AM		45.7	44.4	07:55 AM - 08:00 AM	
02:35 AM - 02:40 AM		43.6	42.9	10:15 AM - 10:20 AM		45.9	44.9	07:55 AM - 08:00 AM		50.5	42.6										



Analysis / Test Report

Client : Rajana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Ittalhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10110
P/O : R/N-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID : 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161949-1

Sample Number		24110374-17									
Parameter		Noise Level (Leq 5 min)									
Location		N3 : ถนนพหลโยธินกิโลเมตรที่ 4									
Measurement Date		Oct 28 - Oct 29, 2024									
Measurement by		Sanit Chachana									
Sound Level meter		Serial No. 0073 4220									
Oct 28, 2024			Oct 28, 2024			Oct 28, 2024			Oct 28, 2024		
Time			Time			Time			Time		
Leq	L90	dB(A)	Leq	L90	dB(A)	Leq	L90	dB(A)	Leq	L90	dB(A)
04:00 PM - 04:05 PM	48.1	41.3	06:40 PM - 06:45 PM	47.4	44.3	09:20 PM - 09:25 PM	44.3	43.7			
04:05 PM - 04:10 PM	45.5	41.3	06:45 PM - 06:50 PM	46.9	45.5	09:25 PM - 09:30 PM	43.7	43.5			
04:10 PM - 04:15 PM	48.7	41.8	06:50 PM - 06:55 PM	47.0	44.5	09:30 PM - 09:35 PM	43.7	43.5			
04:15 PM - 04:20 PM	50.5	42.8	06:55 PM - 07:00 PM	55.3	47.6	09:35 PM - 09:40 PM	43.6	43.0			
04:20 PM - 04:25 PM	53.0	44.3	07:00 PM - 07:05 PM	60.5	53.3	09:40 PM - 09:45 PM	43.5	43.2			
04:25 PM - 04:30 PM	51.9	42.9	07:05 PM - 07:10 PM	49.5	45.1	09:45 PM - 09:50 PM	43.8	43.4			
04:30 PM - 04:35 PM	63.4	49.6	07:10 PM - 07:15 PM	45.0	44.2	09:50 PM - 09:55 PM	43.0	42.6			
04:35 PM - 04:40 PM	53.4	39.5	07:15 PM - 07:20 PM	45.6	44.6	09:55 PM - 10:00 PM	42.7	42.4			
04:40 PM - 04:45 PM	47.3	40.3	07:20 PM - 07:25 PM	45.3	44.3	10:00 PM - 10:05 PM	42.3	41.9			
04:45 PM - 04:50 PM	51.8	40.9	07:25 PM - 07:30 PM	44.9	44.2	10:05 PM - 10:10 PM	42.4	42.0			
04:50 PM - 04:55 PM	46.1	40.8	07:30 PM - 07:35 PM	44.9	44.3	10:10 PM - 10:15 PM	42.7	42.2			
04:55 PM - 05:00 PM	45.1	41.2	07:35 PM - 07:40 PM	45.2	44.6	10:15 PM - 10:20 PM	43.2	41.4			
05:00 PM - 05:05 PM	46.2	41.4	07:40 PM - 07:45 PM	47.8	44.7	10:20 PM - 10:25 PM	42.1	41.5			
05:05 PM - 05:10 PM	43.8	41.1	07:45 PM - 07:50 PM	51.0	45.3	10:25 PM - 10:30 PM	42.3	42.1			
05:10 PM - 05:15 PM	47.3	40.7	07:50 PM - 07:55 PM	45.7	45.1	10:30 PM - 10:35 PM	56.9	42.6			
05:15 PM - 05:20 PM	43.8	40.0	07:55 PM - 08:00 PM	45.5	44.9	10:35 PM - 10:40 PM	46.5	42.5			
05:20 PM - 05:25 PM	47.8	41.4	08:00 PM - 08:05 PM	45.1	44.3	10:40 PM - 10:45 PM	42.5	42.2			
05:25 PM - 05:30 PM	42.0	39.7	08:05 PM - 08:10 PM	45.4	44.8	10:45 PM - 10:50 PM	42.8	42.3			
05:30 PM - 05:35 PM	42.8	39.9	08:10 PM - 08:15 PM	45.7	44.9	10:50 PM - 10:55 PM	42.5	42.4			
05:35 PM - 05:40 PM	41.8	39.7	08:15 PM - 08:20 PM	45.5	44.8	10:55 PM - 11:00 PM	42.4	42.0			
05:40 PM - 05:45 PM	41.7	39.5	08:20 PM - 08:25 PM	44.9	44.6	11:00 PM - 11:05 PM	42.5	41.8			
05:45 PM - 05:50 PM	46.8	40.0	08:25 PM - 08:30 PM	45.8	45.0	11:05 PM - 11:10 PM	41.6	40.9			
05:50 PM - 05:55 PM	55.9	40.8	08:30 PM - 08:35 PM	45.5	44.8	11:10 PM - 11:15 PM	41.4	41.0			
05:55 PM - 06:00 PM	48.1	41.8	08:35 PM - 08:40 PM	45.0	44.6	11:15 PM - 11:20 PM	41.1	40.7			
06:00 PM - 06:05 PM	44.8	41.6	08:40 PM - 08:45 PM	42.1	39.4	11:20 PM - 11:25 PM	42.7	42.2			
06:05 PM - 06:10 PM	51.9	41.8	08:45 PM - 08:50 PM	44.8	43.5	11:25 PM - 11:30 PM	42.3	41.9			
06:10 PM - 06:15 PM	53.9	42.7	08:50 PM - 08:55 PM	44.6	44.0	11:30 PM - 11:35 PM	42.2	41.8			
06:15 PM - 06:20 PM	44.0	42.5	08:55 PM - 09:00 PM	44.7	44.0	11:35 PM - 11:40 PM	42.2	41.8			
06:20 PM - 06:25 PM	43.8	42.8	09:00 PM - 09:05 PM	44.2	43.6	11:40 PM - 11:45 PM	41.9	41.5			
06:25 PM - 06:30 PM	42.7	43.7	09:05 PM - 09:10 PM	44.4	44.1	11:45 PM - 11:50 PM	42.0	41.3			
06:30 PM - 06:35 PM	47.4	44.0	09:10 PM - 09:15 PM	46.5	44.3	11:50 PM - 11:55 PM	42.0	41.4			
06:35 PM - 06:40 PM	42.7	43.9	09:15 PM - 09:20 PM	44.5	44.1	11:55 PM - 12:00 AM	42.1	41.6			

The above results are valid only for the analytical method specified and used in this report for the purpose of compliance with the applicable regulatory requirements. The results are not intended to be used for any other purpose. The results are not intended to be used for any other purpose. The results are not intended to be used for any other purpose.

Approved by

Saranyut Jiranan
Assistant General Manager

10/28/24 616/10 Moo 5 T. Maenam Khu A. Phukdang Rong 21140 Thailand. P/N: 466 0 3304 8555. FAX: 466 0 3304 8556. E-MAIL: info@alsglobal.com. WWW: www.alsglobal.com. RIGHT SOLUTIONS. RIGHT PARTS. RIGHT PEOPLE.



Analysis / Test Report

Client : Rajana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Ittalhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10110
P/O : R/N-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID : 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161949-1

Sample Number	2411374-17		Noise Level (Eq 5 min)								
Parameter											
Location	N3 : ซอยนาพาหุเจริญเขตคันทรี่ 4										
Measurement Date	Oct 28 - Oct 29, 2024										
Sound Level meter	Sant ChaiChana										
	Serial No. 00734220										
Oct 29, 2024			Oct 29, 2024			Oct 29, 2024			Oct 29, 2024		
Time			Time			Time			Time		
Leq	L90	dB(A)	Leq	L90	dB(A)	Leq	L90	dB(A)	Leq	L90	dB(A)
dB(A)	dB(A)		dB(A)	dB(A)		dB(A)	dB(A)				
08:00 AM - 08:05 AM	46.4	39.5	10:40 AM - 10:45 AM	40.7	37.5	01:20 PM - 01:25 PM	54.5	39.7			
08:05 AM - 08:10 AM	41.4	38.5	10:45 AM - 10:50 AM	44.8	38.2	01:25 PM - 01:30 PM	47.6	41.8			
08:10 AM - 08:15 AM	44.9	38.0	10:50 AM - 10:55 AM	41.2	38.0	01:30 PM - 01:35 PM	50.2	43.1			
08:15 AM - 08:20 AM	41.0	37.4	10:55 AM - 11:00 AM	41.4	38.9	01:35 PM - 01:40 PM	51.8	40.5			
08:20 AM - 08:25 AM	39.7	36.2	11:00 AM - 11:05 AM	42.8	40.1	01:40 PM - 01:45 PM	58.6	40.7			
08:25 AM - 08:30 AM	39.2	35.9	11:05 AM - 11:10 AM	44.4	40.3	01:45 PM - 01:50 PM	53.7	45.8			
08:30 AM - 08:35 AM	39.6	36.4	11:10 AM - 11:15 AM	42.5	39.8	01:50 PM - 01:55 PM	56.6	42.8			
08:35 AM - 08:40 AM	43.0	36.5	11:15 AM - 11:20 AM	42.1	39.4	01:55 PM - 02:00 PM	52.7	47.3			
08:40 AM - 08:45 AM	46.8	37.8	11:20 AM - 11:25 AM	49.3	38.5	02:00 PM - 02:05 PM	46.8	40.8			
08:45 AM - 08:50 AM	44.5	37.8	11:25 AM - 11:30 AM	63.2	42.5	02:05 PM - 02:10 PM	48.4	41.5			
08:50 AM - 08:55 AM	44.7	38.6	11:30 AM - 11:35 AM	51.2	41.9	02:10 PM - 02:15 PM	43.8	40.7			
08:55 AM - 09:00 AM	46.3	37.1	11:35 AM - 11:40 AM	59.7	44.5	02:15 PM - 02:20 PM	43.0	40.5			
09:00 AM - 09:05 AM	40.6	37.4	11:40 AM - 11:45 AM	51.3	48.9	02:20 PM - 02:25 PM	41.9	40.0			
09:05 AM - 09:10 AM	41.0	38.2	11:45 AM - 11:50 AM	48.2	45.0	02:25 PM - 02:30 PM	41.8	40.7			
09:10 AM - 09:15 AM	46.5	38.4	11:50 AM - 11:55 AM	50.7	42.1	02:30 PM - 02:35 PM	44.6	41.5			
09:15 AM - 09:20 AM	41.1	38.6	11:55 AM - 12:00 PM	42.4	37.3	02:35 PM - 02:40 PM	43.9	41.0			
09:20 AM - 09:25 AM	43.3	38.2	12:00 PM - 12:05 PM	46.0	36.3	02:40 PM - 02:45 PM	45.4	40.5			
09:25 AM - 09:30 AM	43.2	37.8	12:05 PM - 12:10 PM	44.8	42.1	02:45 PM - 02:50 PM	44.2	40.3			
09:30 AM - 09:35 AM	50.9	37.5	12:10 PM - 12:15 PM	45.4	38.9	02:50 PM - 02:55 PM	43.8	41.4			
09:35 AM - 09:40 AM	50.0	36.7	12:15 PM - 12:20 PM	46.6	40.4	02:55 PM - 03:00 PM	46.8	40.0			
09:40 AM - 09:45 AM	45.8	37.2	12:20 PM - 12:25 PM	48.6	34.4	03:00 PM - 03:05 PM	58.7	41.4			
09:45 AM - 09:50 AM	39.1	36.4	12:25 PM - 12:30 PM	41.2	37.8	03:05 PM - 03:10 PM	41.5	39.8			
09:50 AM - 09:55 AM	37.9	35.8	12:30 PM - 12:35 PM	45.7	37.9	03:10 PM - 03:15 PM	44.5	40.4			
09:55 AM - 10:00 AM	45.9	35.9	12:35 PM - 12:40 PM	43.3	40.3	03:15 PM - 03:20 PM	43.2	40.2			
10:00 AM - 10:05 AM	42.9	36.2	12:40 PM - 12:45 PM	48.6	39.5	03:20 PM - 03:25 PM	43.8	44.6			
10:05 AM - 10:10 AM	41.9	37.8	12:45 PM - 12:50 PM	42.6	35.3	03:25 PM - 03:30 PM	42.7	43.3			
10:10 AM - 10:15 AM	41.3	37.8	12:50 PM - 12:55 PM	41.7	40.2	03:30 PM - 03:35 PM	43.4	41.6			
10:15 AM - 10:20 AM	44.2	36.9	12:55 PM - 01:00 PM	50.0	40.9	03:35 PM - 03:40 PM	47.8	41.8			
10:20 AM - 10:25 AM	40.0	36.2	01:00 PM - 01:05 PM	47.4	39.6	03:40 PM - 03:45 PM	45.2	42.1			
10:25 AM - 10:30 AM	39.6	35.0	01:05 PM - 01:10 PM	46.3	41.4	03:45 PM - 03:50 PM	43.7	41.4			
10:30 AM - 10:35 AM	42.8	37.8	01:10 PM - 01:15 PM	42.5	38.9	03:50 PM - 03:55 PM	54.4	42.5			
10:35 AM - 10:40 AM	43.4	40.2	01:15 PM - 01:20 PM	44.9	38.2	03:55 PM - 04:00 PM	44.3	42.2			

The above results are valid only for the analytical method specified and used in this report for the purpose of compliance with the applicable regulatory requirements. The results are not intended to be used for any other purpose. The results are not intended to be used for any other purpose. The results are not intended to be used for any other purpose.

Approved by

Saranyut Jiranan
Assistant General Manager

10/29/24 616/10 Moo 5 T. Maenam Khu A. Phukdang Rong 21140 Thailand. P/N: 466 0 3304 8555. FAX: 466 0 3304 8556. E-MAIL: info@alsglobal.com. WWW: www.alsglobal.com. RIGHT SOLUTIONS. RIGHT PARTS. RIGHT PEOPLE.



Analysis / Test Report

Client : Rajana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Ittalhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10110
P/O : R/N-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID : 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161949-1

Sample Number Parameter	24110374-17 Noise Level (Leq 5 min)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/115 26TH Fl. Ikhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10110
P/O : RJN-1CB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : J161950-1

Page 2 of 3

Sample Number	24110374-18
Parameter	Noise Level (Leq 5 min)
Location	N3 : ถนนพหลโยธิน/ถนนสุขุมวิท 4
Measurement Date	Oct 29 - Oct 30, 2024
Measurement by	Santi Chachana
Sound Level meter	Serial No. 00734220

Oct 30, 2024	Leq	L90	Oct 30, 2024	Leq	L90	Oct 30, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
12:00 AM - 12:05 AM	48.3	47.1	02:40 AM - 02:45 AM	44.1	43.6	05:20 AM - 05:25 AM	45.4	44.1
12:05 AM - 12:10 AM	47.4	46.5	02:45 AM - 02:50 AM	44.0	43.5	05:25 AM - 05:30 AM	46.1	44.8
12:10 AM - 12:15 AM	47.8	45.7	02:50 AM - 02:55 AM	44.0	43.1	05:30 AM - 05:35 AM	45.3	44.0
12:15 AM - 12:20 AM	61.2	59.9	02:55 AM - 03:00 AM	44.5	44.0	05:35 AM - 05:40 AM	46.8	45.6
12:20 AM - 12:25 AM	50.2	48.4	03:00 AM - 03:05 AM	44.4	43.9	05:40 AM - 05:45 AM	46.4	45.2
12:25 AM - 12:30 AM	48.5	47.8	03:05 AM - 03:10 AM	43.8	43.5	05:45 AM - 05:50 AM	47.5	45.1
12:30 AM - 12:35 AM	47.9	46.8	03:10 AM - 03:15 AM	43.9	43.5	05:50 AM - 05:55 AM	47.8	44.8
12:35 AM - 12:40 AM	47.9	47.0	03:15 AM - 03:20 AM	43.4	43.0	05:55 AM - 06:00 AM	47.5	44.6
12:40 AM - 12:45 AM	47.6	46.5	03:20 AM - 03:25 AM	43.1	42.7	06:00 AM - 06:05 AM	47.8	45.9
12:45 AM - 12:50 AM	47.3	45.9	03:25 AM - 03:30 AM	42.2	41.3	06:05 AM - 06:10 AM	47.6	44.2
12:50 AM - 12:55 AM	48.0	47.0	03:30 AM - 03:35 AM	42.6	42.1	06:10 AM - 06:15 AM	52.2	45.4
12:55 AM - 01:00 AM	48.1	47.2	03:35 AM - 03:40 AM	44.2	43.8	06:15 AM - 06:20 AM	53.7	44.6
01:00 AM - 01:05 AM	47.3	47.1	03:40 AM - 03:45 AM	45.0	43.1	06:20 AM - 06:25 AM	50.6	46.3
01:05 AM - 01:10 AM	47.4	46.4	03:45 AM - 03:50 AM	46.2	44.9	06:25 AM - 06:30 AM	48.4	46.3
01:10 AM - 01:15 AM	47.3	46.2	03:50 AM - 03:55 AM	45.2	44.2	06:30 AM - 06:35 AM	51.8	46.7
01:15 AM - 01:20 AM	47.7	46.6	03:55 AM - 04:00 AM	44.6	43.1	06:35 AM - 06:40 AM	47.8	45.6
01:20 AM - 01:25 AM	47.7	46.7	04:00 AM - 04:05 AM	44.7	43.7	06:40 AM - 06:45 AM	46.8	45.4
01:25 AM - 01:30 AM	47.5	46.5	04:05 AM - 04:10 AM	44.3	43.7	06:45 AM - 06:50 AM	46.6	44.4
01:30 AM - 01:35 AM	47.5	46.2	04:10 AM - 04:15 AM	43.5	42.8	06:50 AM - 06:55 AM	47.7	45.3
01:35 AM - 01:40 AM	47.6	46.5	04:15 AM - 04:20 AM	43.3	42.9	06:55 AM - 07:00 AM	49.2	45.0
01:40 AM - 01:45 AM	45.8	44.8	04:20 AM - 04:25 AM	43.7	43.1	07:00 AM - 07:05 AM	49.4	45.5
01:45 AM - 01:50 AM	46.7	45.1	04:25 AM - 04:30 AM	43.8	43.3	07:05 AM - 07:10 AM	47.3	45.3
01:50 AM - 01:55 AM	46.4	43.3	04:30 AM - 04:35 AM	43.5	43.1	07:10 AM - 07:15 AM	48.0	44.7
01:55 AM - 02:00 AM	45.1	44.8	04:35 AM - 04:40 AM	43.7	43.1	07:15 AM - 07:20 AM	48.1	44.7
02:00 AM - 02:05 AM	45.9	43.8	04:40 AM - 04:45 AM	44.2	43.8	07:20 AM - 07:25 AM	49.2	45.9
02:05 AM - 02:10 AM	45.0	42.7	04:45 AM - 04:50 AM	44.0	43.4	07:25 AM - 07:30 AM	50.8	45.6
02:10 AM - 02:15 AM	46.2	42.9	04:50 AM - 04:55 AM	44.0	43.6	07:30 AM - 07:35 AM	47.8	41.9
02:15 AM - 02:20 AM	45.7	43.3	04:55 AM - 05:00 AM	43.9	43.1	07:35 AM - 07:40 AM	46.0	44.6
02:20 AM - 02:25 AM	51.9	44.2	05:00 AM - 05:05 AM	48.5	44.0	07:40 AM - 07:45 AM	48.0	43.7
02:25 AM - 02:30 AM	43.9	42.9	05:05 AM - 05:10 AM	44.9	44.3	07:45 AM - 07:50 AM	53.9	44.7
02:30 AM - 02:35 AM	43.6	43.0	05:10 AM - 05:15 AM	45.6	44.9	07:50 AM - 07:55 AM	47.1	44.4
02:35 AM - 02:40 AM	45.0	43.8	05:15 AM - 05:20 AM	44.9	44.0	07:55 AM - 08:00 AM	45.9	43.6

The above results are valid only for the stated test conditions and are not intended to be used for any other purpose. The results are subject to the accuracy of the equipment used and the skill of the operator.

Approved by

Sarayu Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/115 26TH Fl. Ikhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10110
P/O : RJN-1CB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : J161951-1

Page 1 of 3

Sample Number	24110374-19
Parameter	Noise Level (Leq 5 min)
Location	N3 : ถนนพหลโยธิน/ถนนสุขุมวิท 4
Measurement Date	Oct 30 - Oct 31, 2024
Measurement by	Santi Chachana
Sound Level meter	Serial No. 00734220

Oct 30, 2024	Leq	L90	Oct 30, 2024	Leq	L90	Oct 30, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
04:00 PM - 04:05 PM	57.5	47.4	06:40 PM - 06:45 PM	48.1	44.1	09:20 PM - 09:25 PM	44.8	44.5
04:05 PM - 04:10 PM	46.9	43.1	06:45 PM - 06:50 PM	47.5	44.4	09:25 PM - 09:30 PM	44.9	44.7
04:10 PM - 04:15 PM	48.1	42.8	06:50 PM - 06:55 PM	48.1	44.3	09:30 PM - 09:35 PM	44.8	44.5
04:15 PM - 04:20 PM	48.5	41.7	06:55 PM - 07:00 PM	47.8	44.7	09:35 PM - 09:40 PM	44.7	44.1
04:20 PM - 04:25 PM	48.0	41.9	07:00 PM - 07:05 PM	47.3	44.9	09:40 PM - 09:45 PM	44.1	43.9
04:25 PM - 04:30 PM	49.1	44.2	07:05 PM - 07:10 PM	47.4	44.9	09:45 PM - 09:50 PM	44.1	43.8
04:30 PM - 04:35 PM	50.9	43.2	07:10 PM - 07:15 PM	55.7	48.0	09:50 PM - 09:55 PM	44.0	43.4
04:35 PM - 04:40 PM	53.4	44.7	07:15 PM - 07:20 PM	60.9	52.7	09:55 PM - 10:00 PM	43.9	43.6
04:40 PM - 04:45 PM	52.3	43.3	07:20 PM - 07:25 PM	48.3	45.5	10:00 PM - 10:05 PM	44.2	43.8
04:45 PM - 04:50 PM	63.8	50.0	07:25 PM - 07:30 PM	45.4	44.6	10:05 PM - 10:10 PM	43.4	43.0
04:50 PM - 04:55 PM	51.8	39.9	07:30 PM - 07:35 PM	46.0	45.0	10:10 PM - 10:15 PM	43.1	42.8
04:55 PM - 05:00 PM	47.2	40.7	07:35 PM - 07:40 PM	45.7	44.7	10:15 PM - 10:20 PM	42.7	42.3
05:00 PM - 05:05 PM	52.2	41.3	07:40 PM - 07:45 PM	45.3	44.6	10:20 PM - 10:25 PM	42.8	42.4
05:05 PM - 05:10 PM	46.5	41.3	07:45 PM - 07:50 PM	45.3	44.7	10:25 PM - 10:30 PM	42.1	42.6
05:10 PM - 05:15 PM	45.5	41.6	07:50 PM - 07:55 PM	45.6	45.0	10:30 PM - 10:35 PM	42.6	41.8
05:15 PM - 05:20 PM	46.6	41.8	07:55 PM - 08:00 PM	48.2	45.1	10:35 PM - 10:40 PM	42.5	41.9
05:20 PM - 05:25 PM	44.2	41.1	08:00 PM - 08:05 PM	51.4	45.7	10:40 PM - 10:45 PM	42.7	42.5
05:25 PM - 05:30 PM	47.2	41.1	08:05 PM - 08:10 PM	46.1	45.5	10:45 PM - 10:50 PM	42.3	41.6
05:30 PM - 05:35 PM	44.2	40.4	08:10 PM - 08:15 PM	45.9	45.3	10:50 PM - 10:55 PM	46.9	42.9
05:35 PM - 05:40 PM	49.2	41.8	08:15 PM - 08:20 PM	45.5	44.7	10:55 PM - 11:00 PM	42.9	42.6
05:40 PM - 05:45 PM	44.2	40.1	08:20 PM - 08:25 PM	45.8	45.2	11:00 PM - 11:05 PM	43.2	42.7
05:45 PM - 05:50 PM	42.4	40.3	08:25 PM - 08:30 PM	46.1	45.3	11:05 PM - 11:10 PM	43.3	43.0
05:50 PM - 05:55 PM	42.2	40.1	08:30 PM - 08:35 PM	45.9	45.2	11:10 PM - 11:15 PM	42.8	42.4
05:55 PM - 06:00 PM	42.1	39.9	08:35 PM - 08:40 PM	45.0	45.0	11:15 PM - 11:20 PM	42.6	42.2
06:00 PM - 06:05 PM	47.2	40.4	08:40 PM - 08:45 PM	46.2	45.4	11:20 PM - 11:25 PM	42.0	41.4
06:05 PM - 06:10 PM	56.3	41.3	08:45 PM - 08:50 PM	45.9	45.2	11:25 PM - 11:30 PM	41.8	41.1
06:10 PM - 06:15 PM	49.5	42.3	08:50 PM - 08:55 PM	45.4	45.0	11:30 PM - 11:35 PM	41.5	41.4
06:15 PM - 06:20 PM	45.2	42.0	08:55 PM - 09:00 PM	45.5	45.1	11:35 PM - 11:40 PM	42.5	41.6
06:20 PM - 06:25 PM	52.3	42.2	09:00 PM - 09:05 PM	45.2	44.3	11:40 PM - 11:45 PM	42.7	42.3
06:25 PM - 06:30 PM	54.3	44.1	09:05 PM - 09:10 PM	45.0	44.4	11:45 PM - 11:50 PM	42.6	42.2
06:30 PM - 06:35 PM	44.4	42.9	09:10 PM - 09:15 PM	45.1	44.4	11:50 PM - 11:55 PM	42.6	42.2
06:35 PM - 06:40 PM	44.2	42.6	09:15 PM - 09:20 PM	44.6	44.0	11:55 PM - 12:00 AM	42.3	41.9

The above results are valid only for the stated test conditions and are not intended to be used for any other purpose. The results are subject to the accuracy of the equipment used and the skill of the operator.

Approved by

Sarayu Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/115 26TH Fl. Ikhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10110
P/O : RJN-1CB-033/66
Project Name : Laemchabang
Project Location :

Sample Number	24110374-18									
Parameter	Noise Level (Leq 5 min)									
Location	N3 : ถนนพหลโยธิน/ถนนสุขุมวิท 4									
Measurement Date	Oct 29 - Oct 30, 2024									
Measurement by	Santi Chachana									
Sound Level meter	Serial No. 00734220									

Oct 30, 2024	Leq	L90	Oct 30, 2024	Leq	L90	Oct 30, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
08:00 AM - 08:05 AM	48.3	43.3	10:40 AM - 10:45 AM	42.5	38.3	01:20 PM - 01:25 PM	38.3	35.9
08:05 AM - 08:10 AM	49.9	44.3	10:45 AM - 10:50 AM	43.6	39.3	01:25 PM - 01:30 PM	40.6	37.8
08:10 AM - 08:15 AM	50.9	43.0	10:50 AM - 10:55 AM	43.4	38.4	01:30 PM - 01:35 PM	48.2	38.4
08:15 AM - 08:20 AM	48.7	44.8	10:55 AM - 11:00 AM	45.0	38.4	01:35 PM - 01:40 PM	42.7	36.5
08:20 AM - 08:25 AM	47.3	42.8	11:00 AM - 11:05 AM	48.8	38.5	01:40 PM - 01:45 PM	41.5	37.0
08:25 AM - 08:30 AM	46.5	42.7	11:05 AM - 11:10 AM	45.1	38.5	01:45 PM - 01:50 PM	56.9	38.3
08:30 AM - 08:35 AM	45.1	42.9	11:10 AM - 11:15 AM	49.3	40.1	01:50 PM - 01:55 PM	43.5	39.6
08:35 AM - 08:40 AM	45.1	42.1	11:15 AM - 11:20 AM	43.6	39.0	01:55 PM - 02:00 PM	48.4	40.6
08:40 AM - 08:45 AM	43.3	40.7	11:20 AM - 11:25 AM	42.3	37.4	02:00 PM - 02:05 PM	42.6	38.1
08:45 AM - 08:50 AM	48.9	41.1	11:25 AM - 11:30 AM	39.8	36.0	02:05 PM - 02:10 PM	42.7	36.5
08:50 AM - 08:55 AM	44.4	41.5	11:30 AM - 11:35 AM	41.5	37.9	02:10 PM - 02:15 PM	44.3	36.2
08:55 AM - 09:00 AM	45.1	42.3	11:35 AM - 11:40 AM	41.7	37.9	02:15 PM - 02:20 PM	40.6	36.5
09:00 AM - 09:05 AM	46.6	41.7	11:40 AM - 11:45 AM	40.5	37.7	02:20 PM - 02:25 PM	42.4	38.5
09:05 AM - 09:10 AM	45.5	42.8	11:45 AM - 11:50 AM	40.8	37.4	02:25 PM - 02:30 PM	43.8	39.1
09:10 AM - 09:15 AM	46.5	44.6	11:50 AM - 11:55 AM	40.2	38.5	02:30 PM - 02:35 PM	44.7	40.1
09:15 AM - 09:20 AM	46.5	44.7	11:55 AM - 12:00 PM	45.4	40.8	02:35 PM - 02:40 PM	52.2	38.1
09:20 AM - 09:25 AM	46.2	44.2	12:00 PM - 12:05 PM	46.5	41.2	02:40 PM - 02:45 PM	52.2	38.1
09:25 AM - 09:30 AM	47.7	45.2	12:05 PM - 12:10 PM	45.9	41.5	02:45 PM - 02:50 PM	48.0	37.5
09:30 AM - 09:35 AM	46.6	43.7	12:10 PM - 12:15 PM	42.7	41.4	02:50 PM - 02:55 PM	47.8	37.3
09:35 AM - 09:40 AM	47.4	41.5	12:15 PM - 12:20 PM	33.8	41.8	02:55 PM - 03:00 PM	42.9	39.0
09:40 AM - 09:45 AM	42.5	41.2	12:20 PM - 12:25 PM	46.6	40.1	03:00 PM - 03:05 PM	52.2	40.9
09:45 AM - 09:50 AM	43.2	41.2	12:25 PM - 12:30 PM	44.4	41.6	03:05 PM - 03:10 PM	48.5	39.7
09:50 AM - 09:55 AM	47.5	42.1	12:30 PM - 12:35 PM	42.8	40.9	03:10 PM - 03:15 PM	44.1	38.9
09:55 AM - 10:00 AM	43.0	41.0	12:35 PM - 12:40 PM	42.1	40.6	03:15 PM - 03:20 PM	52.5	40.4
10:00 AM - 10:05 AM	49.4	41.5	12:40 PM - 12:45 PM	40.0	36.7	03:20 PM - 03:25 PM	52.2	40.1
10:05 AM - 10:10 AM	48.5	40.4	12:45 PM - 12:50 PM	38.1	36.3	03:25 PM - 03:30 PM	47.5	39.3
10:10 AM - 10:15 AM	45.5	40.5	12:50 PM - 12:55 PM	34.2	36.5	03:30 PM - 03:35 PM	45.0	39.5
10:15 AM - 10:20 AM	42.8	40.5	12:55 PM - 01:00 PM	39.8	34.5	03:35 PM - 03:40 PM	42.8	38.5
10:20 AM - 10:25 AM	45.5	41.3	01:00 PM - 01:05 PM	36.4	34.4	03:40 PM - 03:45 PM	49.1	38.6
10:25 AM - 10:30 AM	43.0	41.5	01:05 PM - 01:10 PM	50.7	34.5	03:45 PM - 03:50 PM	47.2	40.1
10:30 AM - 10:35 AM	44.6	40.6	01:10 PM - 01:15 PM	61.9	37.2	03:50 PM - 03:55 PM	45.3	40.4
10:35 AM - 10:40 AM	44.4	40.2	01:15 PM - 01:20 PM	43.5	36.9	03:55 PM - 04:00 PM	46.0	41.7



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Ithaihai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : R/JN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161952-1

Page 2 of 3

Sample Number	24110374-10	Parameter	Noise Level (Leq 5 min)	Location	N3 : อาคารพาณิชย์ชั้นที่ 4	Measurement Date	Oct 31 - Nov 01, 2024	Measurement by	Santi Chaitana	Sound Level meter	Serial No. 00734220
Time	Leq dBA(A)	L90 dBA(A)	Time	Leq dBA(A)	L90 dBA(A)	Time	Leq dBA(A)	L90 dBA(A)	Time	Leq dBA(A)	L90 dBA(A)
08:00 AM - 08:05 AM	44.9	41.6	10:40 AM - 10:45 AM	40.0	35.4	01:30 PM - 01:35 PM	43.1	39.5	04:50 PM - 04:55 PM	55.0	51.0
08:05 AM - 08:10 AM	44.4	40.7	10:45 AM - 10:50 AM	43.2	38.0	01:35 PM - 01:40 PM	45.5	38.8	04:55 PM - 05:00 PM	54.9	51.0
08:10 AM - 08:15 AM	44.5	39.8	10:50 AM - 10:55 AM	43.8	40.6	01:40 PM - 01:45 PM	55.1	40.3	05:00 PM - 05:05 PM	56.0	52.9
08:15 AM - 08:20 AM	47.0	39.9	10:55 AM - 11:00 AM	45.1	38.3	01:45 PM - 01:50 PM	48.2	42.4	05:05 PM - 05:10 PM	55.9	51.4
08:20 AM - 08:25 AM	43.8	38.9	11:00 AM - 11:05 AM	45.2	38.6	01:50 PM - 01:55 PM	50.8	43.7	05:10 PM - 05:15 PM	57.1	50.1
08:25 AM - 08:30 AM	45.3	38.4	11:05 AM - 11:10 AM	40.6	38.4	01:55 PM - 02:00 PM	52.4	41.1	05:15 PM - 05:20 PM	54.2	50.7
08:30 AM - 08:35 AM	41.4	37.8	11:10 AM - 11:15 AM	41.8	39.3	02:00 PM - 02:05 PM	54.3	46.4	05:20 PM - 05:25 PM	52.8	49.9
08:35 AM - 08:40 AM	40.3	36.5	11:15 AM - 11:20 AM	43.2	40.5	02:05 PM - 02:10 PM	57.2	43.4	05:25 PM - 05:30 PM	55.1	47.4
08:40 AM - 08:45 AM	39.6	36.3	11:20 AM - 11:25 AM	44.8	40.7	02:10 PM - 02:15 PM	57.3	47.9	05:30 PM - 05:35 PM	52.1	47.8
08:45 AM - 08:50 AM	40.0	36.8	11:25 AM - 11:30 AM	42.9	40.3	02:15 PM - 02:20 PM	49.4	41.4	05:35 PM - 05:40 PM	57.7	47.5
08:50 AM - 08:55 AM	43.4	36.9	11:30 AM - 11:35 AM	47.5	39.8	02:20 PM - 02:25 PM	45.0	41.1	05:40 PM - 05:45 PM	57.2	55.1
08:55 AM - 09:00 AM	47.2	38.2	11:35 AM - 11:40 AM	49.7	38.9	02:25 PM - 02:30 PM	43.6	41.1	05:45 PM - 05:50 PM	54.6	51.9
09:00 AM - 09:05 AM	46.9	38.2	11:40 AM - 11:45 AM	62.6	42.9	02:30 PM - 02:35 PM	45.4	41.4	05:50 PM - 05:55 PM	58.3	47.9
09:05 AM - 09:10 AM	45.1	39.0	11:45 AM - 11:50 AM	51.6	42.3	02:35 PM - 02:40 PM	45.4	41.1	05:55 PM - 06:00 PM	52.9	47.3
09:10 AM - 09:15 AM	46.7	37.5	11:50 AM - 11:55 AM	50.1	44.9	02:40 PM - 02:45 PM	44.2	41.1	06:00 PM - 06:05 PM	54.7	51.4
09:15 AM - 09:20 AM	41.0	37.8	11:55 AM - 12:00 PM	51.7	49.2	02:45 PM - 02:50 PM	45.4	41.1	06:05 PM - 06:10 PM	54.7	51.4
09:20 AM - 09:25 AM	41.4	38.6	12:00 PM - 12:05 PM	48.6	45.4	02:50 PM - 02:55 PM	44.5	42.1	06:10 PM - 06:15 PM	51.5	48.3
09:25 AM - 09:30 AM	44.9	38.8	12:05 PM - 12:10 PM	51.1	42.5	02:55 PM - 03:00 PM	44.5	41.1	06:15 PM - 06:20 PM	54.0	50.8
09:30 AM - 09:35 AM	41.5	39.8	12:10 PM - 12:15 PM	42.8	37.7	03:00 PM - 03:05 PM	47.4	42.0	06:20 PM - 06:25 PM	53.3	48.5
09:35 AM - 09:40 AM	43.7	38.8	12:15 PM - 12:20 PM	46.4	36.7	03:05 PM - 03:10 PM	44.4	43.6	06:25 PM - 06:30 PM	51.6	50.6
09:40 AM - 09:45 AM	43.6	38.2	12:20 PM - 12:25 PM	46.0	39.5	03:10 PM - 03:15 PM	47.4	42.0	06:30 PM - 06:35 PM	54.0	50.4
09:45 AM - 09:50 AM	51.1	37.9	12:25 PM - 12:30 PM	45.2	41.0	03:15 PM - 03:20 PM	44.4	43.6	06:35 PM - 06:40 PM	52.6	49.5
09:50 AM - 09:55 AM	50.4	37.1	12:30 PM - 12:35 PM	49.2	40.0	03:20 PM - 03:25 PM	48.8	45.3	06:40 PM - 06:45 PM	51.1	50.0
09:55 AM - 10:00 AM	45.4	38.1	12:35 PM - 12:40 PM	41.8	38.4	03:25 PM - 03:30 PM	43.0	40.8	06:45 PM - 06:50 PM	54.9	48.6
10:00 AM - 10:05 AM	37.5	36.8	12:40 PM - 12:45 PM	46.3	38.5	03:30 PM - 03:35 PM	43.0	40.8	06:50 PM - 06:55 PM	51.9	48.5
10:05 AM - 10:10 AM	38.2	36.2	12:45 PM - 12:50 PM	43.9	40.9	03:35 PM - 03:40 PM	43.0	40.8	06:55 PM - 07:00 PM	52.8	45.2
10:10 AM - 10:15 AM	40.1	36.3	12:50 PM - 12:55 PM	49.2	40.1	03:40 PM - 03:45 PM	40.8	42.2	07:00 PM - 07:05 PM	52.9	46.8
10:15 AM - 10:20 AM	47.3	36.6	12:55 PM - 01:00 PM	43.2	39.9	03:45 PM - 03:50 PM	40.8	42.2	07:05 PM - 07:10 PM	54.9	50.8
10:20 AM - 10:25 AM	40.2	38.2	01:00 PM - 01:05 PM	43.2	40.8	03:50 PM - 03:55 PM	40.8	42.2	07:10 PM - 07:15 PM	52.9	46.8
10:25 AM - 10:30 AM	41.7	38.2	01:05 PM - 01:10 PM	50.6	41.5	03:55 PM - 04:00 PM	40.8	42.2	07:15 PM - 07:20 PM	52.9	46.8
10:30 AM - 10:35 AM	41.6	37.2	01:10 PM - 01:15 PM	48.0	40.4	04:00 PM - 04:05 PM	40.8	42.2	07:20 PM - 07:25 PM	52.9	46.8
10:35 AM - 10:40 AM	40.4	36.6	01:15 PM - 01:20 PM	46.9	42.0	04:05 PM - 04:10 PM	40.8	42.2	07:25 PM - 07:30 PM	52.9	46.8

Approved by

Saranyut Jirananont
Assistant General Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Ithaihai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : R/JN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161952-1

Page 2 of 3

Sample Number	24110374-20	Parameter	Noise Level (Leq 5 min)	Location	N3 : อาคารพาณิชย์ชั้นที่ 4	Measurement Date	Oct 31 - Nov 01, 2024	Measurement by	Santi Chaitana	Sound Level meter	Serial No. 00734220
Time	Leq dBA(A)	L90 dBA(A)	Time	Leq dBA(A)	L90 dBA(A)	Time	Leq dBA(A)	L90 dBA(A)	Time	Leq dBA(A)	L90 dBA(A)
12:00 AM - 12:05 AM	50.0	47.9	02:40 AM - 02:45 AM	44.2	43.6	05:20 AM - 05:25 AM	46.2	45.5	08:20 PM - 08:25 PM	44.5	43.2
12:05 AM - 12:10 AM	49.8	48.4	02:45 AM - 02:50 AM	45.6	44.4	05:25 AM - 05:30 AM	45.1	44.6	08:25 PM - 08:30 PM	44.1	37.5
12:10 AM - 12:15 AM	40.9	47.7	02:50 AM - 02:55 AM	41.7	44.2	05:30 AM - 05:35 AM	46.0	44.7	08:30 PM - 08:35 PM	43.1	37.5
12:15 AM - 12:20 AM	46.0	47.1	02:55 AM - 03:00 AM	46.7	44.1	05:35 AM - 05:40 AM	46.7	45.6	08:35 PM - 08:40 PM	43.1	39.5
12:20 AM - 12:25 AM	68.4	56.3	03:00 AM - 03:05 AM	44.6	43.9	05:40 AM - 05:45 AM	46.9	45.9	08:40 PM - 08:45 PM	44.2	39.0
12:25 AM - 12:30 AM	63.1	60.5	03:05 AM - 03:10 AM	45.1	44.6	05:45 AM - 05:50 AM	47.4	46.2	08:45 PM - 08:50 PM	44.2	39.0
12:30 AM - 12:35 AM	50.8	49.9	03:10 AM - 03:15 AM	45.0	44.5	05:50 AM - 05:55 AM	47.0	45.8	08:50 PM - 08:55 PM	43.9	39.0
12:35 AM - 12:40 AM	49.1	48.4	03:15 AM - 03:20 AM	44.4	44.1	05:55 AM - 06:00 AM	46.1	45.7	08:55 PM - 09:00 PM	43.1	37.6
12:40 AM - 12:45 AM	47.4	47.4	03:20 AM - 03:25 AM	44.5	44.1	06:00 AM - 06:05 AM	46.4	45.4	09:00 PM - 09:05 PM	44.1	37.6
12:45 AM - 12:50 AM	48.5	47.6	03:25 AM - 03:30 AM	44.0	43.6	06:05 AM - 06:10 AM	48.1	45.2	09:05 PM - 09:10 PM	47.5	38.9
12:50 AM - 12:55 AM	48.2	47.1	03:30 AM - 03:35 AM	43.7	43.3	06:10 AM - 06:15 AM	48.4	45.6	09:10 PM - 09:15 PM	44.1	40.2
12:55 AM - 01:00 AM	47.9	46.5	03:35 AM - 03:40 AM	43.8	43.0	06:15 AM - 06:20 AM	48.2	44.8	09:15 PM - 09:20 PM	43.2	37.1
01:00 AM - 01:05 AM	48.6	47.6	03:40 AM - 03:45 AM	43.2	42.7	06:20 AM - 06:25 AM	50.8	46.0	09:20 PM - 09:25 PM	44.7	36.9
01:05 AM - 01:10 AM	46.7	47.8	03:45 AM - 03:50 AM	45.6	42.7	06:25 AM - 06:30 AM	51.2	46.9	09:25 PM - 09:30 PM	44.0	39.1
01:10 AM - 01:15 AM	49.9	47.7	03:50 AM - 03:55 AM	46.8	44.6	06:30 AM - 06:35 AM	49.0	46.9	09:30 PM - 09:35 PM	44.2	39.7
01:15 AM - 01:20 AM	48.0	47.0	03:55 AM - 04:00 AM	46.8	44.6	06:35 AM - 06:40 AM	49.0	46.9	09:35 PM - 09:40 PM	43.0	38.1
01:20 AM - 01:25 AM	47.9	46.8	04:00 AM - 04:05 AM	45.8	44.8	06:40 AM - 06:45 AM	52.4	47.3	09:40 PM - 09:45 PM	43.0	38.1
01:25 AM - 01:30 AM	48.3	47.2	04:05 AM - 04:10 AM	45.2	43.7	06:45 AM - 06:50 AM	48.4	46.2	09:45 PM - 09:50 PM	42.5	38.1
01:30 AM - 01:35 AM	48.3	47.3	04:10 AM - 04:15 AM	45.3	44.3	06:50 AM - 06:55 AM	47.4	46.0	09:50 PM - 09:55 PM	41.8	36.7
01:35 AM - 01:40 AM	48.1	47.1	04:15 AM - 04:20 AM	45.1	44.1	06:55 AM - 07:00 AM	47.4	46.0	09:55 PM - 10:00 PM	41.8	36.7
01:40 AM - 01:45 AM	48.1	46.8	04:20 AM - 04:25 AM	45.1	44.1	07:00 AM - 07:05 AM	47.4	46.0	10:00 PM - 10:05 PM	41.8	36.7
01:45 AM - 01:50 AM	48.2	47.1	04:25 AM - 04:30 AM	44.9	43.5	07:05 AM - 07:10 AM	48.9	45.6	10:05 PM - 10:10 PM	41.8	36.7
01:50 AM - 01:55 AM	47.4	44.6	04:30 AM - 04:35 AM	43.7	43.7	07:10 AM - 07:15 AM	50.0	46.2	10:10 PM - 10:15 PM	41.8	36.7
01:55 AM - 02:00 AM	47.3	45.7	04:35 AM - 04:40 AM	44.4	43.9	07:15 AM - 07:20 AM	47.8	45.9	10:15 PM - 10:20 PM	41.8	36.7
02:00 AM - 02:05 AM	47.0	45.9	04:40 AM - 04:45 AM	44.1	43.7	07:20 AM - 07:25 AM	48.6	45.3	10:20 PM - 10:25 PM	41.8	36.7
02:05 AM - 02:10 AM	46.7	45.4	04:45 AM - 04:50 AM	44.3	43.7	07:25 AM - 07:30 AM	48.7	45.6	10:25 PM - 10:30 PM	41.8	36.7
02:10 AM - 02:15 AM	46.5	46.4	04:50 AM - 04:55 AM	44.8	44.4	07:30 AM - 07:35 AM	48.9	46.5	10:30 PM - 10:35 AM	41.8	36.7
02:15 AM - 02:20 AM	47.6	45.3	04:55 AM - 05:00 AM	44.6	44.0	07:35 AM - 07:40 AM	51.4	46.2	10:35 PM - 10:40 AM	41.8	36.7
02:20 AM - 02:25 AM	46.8	43.5	05:00 AM - 05:05 AM	44.6	44.2	07:40 AM - 07:45 AM	48.4	45.5	10:40 PM - 10:45 AM	41.8	36.7
02:25 AM - 02:30 AM	46.3	43.9	05:05 AM - 05:10 AM	44.5	43.7	07:45 AM - 07:50 AM	46.6	45.2	10:45 PM - 10:50 AM	41.8	36.7
02:30 AM - 02:35 AM	52.5	44.8	05:10 AM - 05:15 AM	44.1	44.6	07:50 AM - 07:55 AM	48.6	44.3	10:50 PM - 10:55 AM	41.8	36.7
02:35 AM - 02:40 AM	44.5	43.5	05:15 AM - 05:20 AM	45.5	44.9	07:55 AM - 08:00 AM	54.5	45.3	10:55 PM - 11:00 AM	41.8	36.7

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Ithaihai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : R/JN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161952-1

Page 1 of 3

Sample Number	24110374-20							
Parameter	Noise Level (Leq 5 min)							
Location	N3 : อาคารพาณิชย์ชั้นที่ 4							
Measurement Date	Oct 31 - Nov 01, 2024							
Measurement by	Santi Chaitana							
Sound Level meter	Serial No. 00734220							
Oct 31, 2024	Leq	L90	Oct 31, 2024	Leq	L90	Oct 31, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
04:00 PM - 04:05 PM	55.0	43.1	06:40 PM - 06:45 PM	55.8	51.0	09:20 PM - 09:25 PM	46.6	46.3
04:05 PM - 04:10 PM	44.9	42.8	06:45 PM - 06:50 PM	56.5	51.8	09:25 PM - 09:30 PM	47.9	46.3
04:10 PM - 04:15 PM	44.4	42.9	06:50 PM - 06:55 PM	56.0	52.9	09:30 PM - 09:35 PM	47.2	46.6
04:15 PM - 04:20 PM	43.9	42.9	06:55 PM - 07:00 PM	55.9	53.4	09:35 PM - 09:40 PM	47.2	46.2
04:20 PM - 04:25 PM	43.3	42.7	07:00 PM - 07:05 PM	57.1	50.1	09:40 PM - 09:45 PM	49.0	45.5
04:25 PM - 04:30 PM	47.0	42.9	07:05 PM - 07:10 PM	54.2	50.7	09:45 PM - 09:50 PM	47.9	46.9
04:30 PM - 04:35 PM	47.6	43.1	07:10 PM - 07:15 PM	52.8	48.9	09:50 PM - 09:55 PM	47.0	46.2
04:35 PM - 04:40 PM	46.6	43.6	07:15 PM - 07:20 PM	52.9	47.1	09:55 PM - 10:00 PM	45.9	45.5
04:40 PM - 04:45 PM	46.8	43.9	07:20 PM - 07:25 PM	52.1	47.8	10:00 PM - 10:05 PM	46.2	44.6
04:45 PM - 04:50 PM	46.5	43.1	07:25 PM - 07:30 PM	52.7	47.8	10:05 PM - 10:10 PM	50.3	45.0
04:50 PM - 04:55 PM	47.3	43.0	07:30 PM - 07:35 PM	37.2	55.1	10:10 PM - 10:15 PM	49.8	44.6
04:55 PM - 05:00 PM	47.5	44.3	07:35 PM - 07:40 PM	55.1	47.4	10:15 PM - 10:20 PM	45.5	45.2
05:00 PM - 05:05 PM	48.6	43.6	07:40 PM - 07:45 PM	55.3	47.9	10:20 PM - 10:25 PM	45.5	44.9
05:05 PM - 05:10 PM	46.8	43.9	07:45 PM - 07:50 PM	52.9	47.2	10:25 PM - 10:30 PM	46.2	44.5
05:10 PM - 05:15 PM	50.7	44.7	07:50 PM - 07:55 PM	54.6	51.9	10:30 PM - 10:35 PM	46.1	44.7
05:15 PM - 05:20 PM	60.6	46.3	07:55 PM - 08:00 PM	51.7	47.5	10:35 PM - 10:40 PM	45.4	44.7
05:20 PM - 05:25 PM	51.5	45.5	08:00 PM - 08:05 PM	53.6	48.2	10:40 PM - 10:45 PM	45.2	44.5
05:25 PM - 05:30 PM	49.9	45.5	08:05 PM - 08:10 PM	51.3	48.1	10:45 PM - 10:50 PM	45.3	44.4
05:30 PM - 05:35 PM	54.6	50.6	08:10 PM - 08:15 PM	52.7	48.2	10:50 PM - 10:55 PM	45.4	44.1
05:35 PM - 05:40 PM	54.0	50.4	08:15 PM - 08:20 PM	52.6	49.5	10:55 PM - 11:00 PM	45.7	44.8
05:40 PM - 05:45 PM	56.8	50.3	08:20 PM - 08:25 PM	54.7	51.4	11:00 PM - 11:05 PM	46.0	44.4
05:45 PM - 05:50 PM	53.6	49.7	08:25 PM - 08:30 PM	52.4	51.4	11:05 PM - 11:10 PM	45.9	44.5
05:50 PM - 05:55 PM	54.0	49.9	08:30 PM - 08:35 PM	52.3	50.8	11:10 PM - 11:15 PM	45.9	44.1
05:55 PM - 06:00 PM	53.3	46.5	08:35 PM - 08:40 PM	52.9	51.5	11:15 PM - 11:20 PM	46.0	44.9
06:00 PM - 06:05 PM	51.9	53.8	08:40 PM - 08:45 PM	52.7	50.0	11:20 PM - 11:25 PM	46.1	44.8
06:05 PM - 06:10 PM	54.1	48.6	08:45 PM - 08:50 PM	53.1	50.0	11:25 PM - 11:30 PM	46.6	45.5
06:10 PM - 06:15 PM	54.9	48.8	08:50 PM - 08:55 PM	53.8	48.5	11:30 PM - 11:35 PM	46.5	45.5
06:15 PM - 06:20 PM	53.6	46.7	08:55 PM - 09:00 PM	52.5	51.1	11:35 PM - 11:40 PM	46.6	45.5
06:20 PM - 06:25 PM	52.8	45.2	09:00 PM - 09:05 PM	54.5	49.5	11:40 PM - 11:45 PM	46.0	45.3
06:25 PM - 06:30 PM	51.9	45.1	09:05 PM - 09:10 PM	55.4	50.2	11:45 PM - 11:50 PM	61.5	47.1
06:30 PM - 06:35 PM	52.9	46.8	09:10 PM - 09:15 PM	52.5	48.0	11:50 PM - 11:55 PM	51.9	46.9
06:35 PM - 06:40 PM	54.9	50.8	09:15 PM - 09:20 PM	49.9	46.8	11:55 PM - 12:00 AM	53.7	46.5



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310

P/O : RJN-LCB-03/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161953-1

Page 1 of 3

Sample Number	24110374-2	Leq	L90	Nov 01, 2024	Leq	L90	Nov 01, 2024	Leq	L90
Parameter	Noise Level (Leq 5 min)	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
Location	N3 : ถนนพหลโยธินตัดถนน 4								
Measurement Date	Nov 01 - Nov 02, 2024								
Measurement by	Santi Chachana								
Sound Level meter	Serial No. 00734220								
Nov 01, 2024	Leq	L90	Nov 01, 2024	Leq	L90	Nov 01, 2024	Leq	L90	Nov 01, 2024
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time
04:00 PM - 04:05 PM	45.9	41.0	06:40 PM - 06:45 PM	45.0	43.5	09:20 PM - 09:25 PM	45.7	45.0	12:00 AM - 12:05 AM
04:05 PM - 04:10 PM	45.6	42.3	06:45 PM - 06:50 PM	44.8	43.2	09:25 PM - 09:30 PM	45.2	44.6	12:05 AM - 12:10 PM
04:10 PM - 04:15 PM	59.1	44.0	06:50 PM - 06:55 PM	48.7	44.7	09:30 PM - 09:35 PM	45.4	45.1	12:10 AM - 12:15 PM
04:15 PM - 04:20 PM	47.5	42.7	06:55 PM - 07:00 PM	46.1	45.0	09:35 PM - 09:40 PM	45.5	45.3	12:15 AM - 12:20 PM
04:20 PM - 04:25 PM	46.6	42.4	07:00 PM - 07:05 PM	46.7	44.9	09:40 PM - 09:45 PM	45.4	45.1	12:20 AM - 12:25 PM
04:25 PM - 04:30 PM	49.1	42.3	07:05 PM - 07:10 PM	48.4	45.3	09:45 PM - 09:50 PM	45.3	44.7	12:25 AM - 12:30 PM
04:30 PM - 04:35 PM	46.5	42.5	07:10 PM - 07:15 PM	49.9	45.5	09:50 PM - 09:55 PM	44.7	44.5	12:30 AM - 12:35 PM
04:35 PM - 04:40 PM	49.7	44.8	07:15 PM - 07:20 PM	48.0	45.5	09:55 PM - 10:00 PM	44.7	44.5	12:35 AM - 12:40 PM
04:40 PM - 04:45 PM	51.5	43.8	07:20 PM - 07:25 PM	55.3	46.6	10:00 PM - 10:05 PM	44.6	44.0	12:40 AM - 12:45 PM
04:45 PM - 04:50 PM	54.0	45.3	07:25 PM - 07:30 PM	61.5	54.3	10:05 PM - 10:10 PM	44.5	44.2	12:45 AM - 12:50 PM
04:50 PM - 04:55 PM	52.9	43.9	07:30 PM - 07:35 PM	68.9	46.1	10:10 PM - 10:15 PM	44.8	44.4	12:50 AM - 12:55 PM
04:55 PM - 05:00 PM	64.4	50.6	07:35 PM - 07:40 PM	66.0	45.2	10:15 PM - 10:20 PM	44.0	43.6	12:55 AM - 01:00 AM
05:00 PM - 05:05 PM	54.4	40.5	07:40 PM - 07:45 PM	66.6	45.6	10:20 PM - 10:25 PM	43.7	43.4	01:00 AM - 01:05 AM
05:05 PM - 05:10 PM	49.3	41.3	07:45 PM - 07:50 PM	66.3	45.3	10:25 PM - 10:30 PM	43.2	42.9	01:05 AM - 01:10 AM
05:10 PM - 05:15 PM	52.8	41.9	07:50 PM - 07:55 PM	45.9	45.2	10:30 PM - 10:35 PM	43.4	43.0	01:10 AM - 01:15 AM
05:15 PM - 05:20 PM	47.1	41.9	07:55 PM - 08:00 PM	45.9	45.3	10:35 PM - 10:40 PM	42.7	43.2	01:15 AM - 01:20 PM
05:20 PM - 05:25 PM	46.1	42.2	08:00 PM - 08:05 PM	46.2	45.6	10:40 PM - 10:45 PM	44.2	42.4	01:20 AM - 01:25 AM
05:25 PM - 05:30 PM	47.2	42.4	08:05 PM - 08:10 PM	44.8	45.7	10:45 PM - 10:50 PM	43.1	42.5	01:25 AM - 01:30 AM
05:30 PM - 05:35 PM	44.8	42.1	08:10 PM - 08:15 PM	52.0	46.3	10:50 PM - 10:55 PM	42.3	42.1	01:30 AM - 01:35 AM
05:35 PM - 05:40 PM	48.3	41.7	08:15 PM - 08:20 PM	46.7	46.1	10:55 PM - 11:00 PM	57.9	43.6	01:35 AM - 01:40 AM
05:40 PM - 05:45 PM	44.8	41.0	08:20 PM - 08:25 PM	46.5	45.9	11:00 PM - 11:05 PM	47.5	43.5	01:40 AM - 01:45 AM
05:45 PM - 05:50 PM	46.8	42.4	08:25 PM - 08:30 PM	46.1	45.3	11:05 PM - 11:10 PM	42.5	43.2	01:45 AM - 01:50 AM
05:50 PM - 05:55 PM	43.0	40.7	08:30 PM - 08:35 PM	46.4	45.8	11:10 PM - 11:15 PM	42.8	42.3	01:50 AM - 01:55 PM
05:55 PM - 06:00 PM	43.0	40.9	08:35 PM - 08:40 PM	46.7	45.9	11:15 PM - 11:20 PM	41.9	43.6	01:55 AM - 02:00 AM
06:00 PM - 06:05 PM	42.8	40.7	08:40 PM - 08:45 PM	46.5	45.8	11:20 PM - 11:25 PM	43.4	42.0	02:00 AM - 02:05 AM
06:05 PM - 06:10 PM	42.7	40.5	08:45 PM - 08:50 PM	45.9	45.6	11:25 PM - 11:30 PM	42.5	42.8	02:05 AM - 02:10 PM
06:10 PM - 06:15 PM	47.8	41.0	08:50 PM - 08:55 PM	46.8	46.0	11:30 PM - 11:35 PM	42.6	41.9	02:10 AM - 02:15 PM
06:15 PM - 06:20 PM	56.8	41.9	08:55 PM - 09:00 PM	46.5	45.8	11:35 PM - 11:40 PM	42.4	42.0	02:15 AM - 02:20 PM
06:20 PM - 06:25 PM	49.1	42.9	09:00 PM - 09:05 PM	46.0	45.6	11:40 PM - 11:45 PM	42.1	41.7	02:20 AM - 02:25 PM
06:25 PM - 06:30 PM	45.8	42.6	09:05 PM - 09:10 PM	46.1	45.7	11:45 PM - 11:50 PM	43.1	42.2	02:25 AM - 02:30 PM
06:30 PM - 06:35 PM	52.9	42.8	09:10 PM - 09:15 PM	45.8	44.9	11:50 PM - 11:55 PM	42.3	42.9	02:30 AM - 02:35 PM
06:35 PM - 06:40 PM	54.9	44.7	09:15 PM - 09:20 PM	45.6	45.0	11:55 PM - 12:00 AM	42.2	42.8	02:35 AM - 02:40 PM

Approved by

Saranyut Jitranont
Assistant General Manager

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RIGHT SOLUTIONS. RIGHT PARTNERS.



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310

P/O : RJN-LCB-03/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161953-1

Page 2 of 3

Sample Number	24110374-2				Noise Level (Leq 5 min)			
Parameter	N3 : ถนนพหลโยธินตัดถนน 4							
Location	Nov 01 - Nov 02, 2024							
Measurement Date	Santi Chachana							
Measurement by	Serial No. 00734220							
Sound Level meter								
Nov 02, 2024	Leq	L90	Nov 02, 2024	Leq	L90	Nov 02, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
08:00 AM - 08:05 AM	46.4	45.1	10:40 AM - 10:45 AM	45.2	37.9	01:20 PM - 01:25 PM	54.7	39.9
08:05 AM - 08:10 AM	47.6	43.5	10:45 AM - 10:50 AM	41.0	37.2	01:25 PM - 01:30 PM	47.8	42.0
08:10 AM - 08:15 AM	45.5	42.2	10:50 AM - 10:55 AM	40.6	36.0	01:30 PM - 01:35 PM	50.4	43.3
08:15 AM - 08:20 AM	45.0	41.3	10:55 AM - 11:00 AM	43.8	38.6	01:35 PM - 01:40 PM	52.0	40.7
08:20 AM - 08:25 AM	45.1	40.4	11:00 AM - 11:05 AM	44.4	41.2	01:40 PM - 01:45 PM	56.8	40.9
08:25 AM - 08:30 AM	47.6	40.5	11:05 AM - 11:10 AM	41.7	38.9	01:45 PM - 01:50 PM	52.9	40.0
08:30 AM - 08:35 AM	44.9	39.5	11:10 AM - 11:15 AM	45.5	39.2	01:50 PM - 01:55 PM	56.8	43.0
08:35 AM - 08:40 AM	45.9	39.0	11:15 AM - 11:20 AM	41.2	39.0	01:55 PM - 02:00 PM	52.9	47.5
08:40 AM - 08:45 AM	42.0	38.4	11:20 AM - 11:25 AM	42.4	39.9	02:00 PM - 02:05 PM	49.0	41.0
08:45 AM - 08:50 AM	40.7	37.2	11:25 AM - 11:30 AM	43.8	41.1	02:05 PM - 02:10 PM	48.6	41.7
08:50 AM - 08:55 AM	40.2	36.9	11:30 AM - 11:35 AM	45.4	41.3	02:10 PM - 02:15 PM	43.2	41.0
08:55 AM - 09:00 AM	40.6	37.4	11:35 AM - 11:40 AM	43.5	40.9	02:15 PM - 02:20 PM	43.2	40.7
09:00 AM - 09:05 AM	44.0	37.5	11:40 AM - 11:45 AM	44.1	40.4	02:20 PM - 02:25 PM	42.1	40.2
09:05 AM - 09:10 AM	47.8	38.8	11:45 AM - 11:50 AM	50.3	39.5	02:25 PM - 02:30 PM	44.0	40.9
09:10 AM - 09:15 AM	49.5	38.8	11:50 AM - 11:55 AM	63.2	42.5	02:30 PM - 02:35 PM	41.8	41.7
09:15 AM - 09:20 AM	45.7	39.6	11:55 AM - 12:00 PM	52.2	42.8	02:35 PM - 02:40 PM	44.1	41.2
09:20 AM - 09:25 AM	47.2	38.1	12:00 PM - 12:05 PM	50.7	45.5	02:40 PM - 02:45 PM	45.6	40.7
09:25 AM - 09:30 AM	41.6	38.4	12:05 PM - 12:10 PM	52.3	40.9	02:45 PM - 02:50 PM	41.4	40.5
09:30 AM - 09:35 AM	42.0	39.2	12:10 PM - 12:15 PM	51.2	40.0	02:50 PM - 02:55 PM	49.0	41.6
09:35 AM - 09:40 AM	45.5	39.4	12:15 PM - 12:20 PM	61.7	43.3	02:55 PM - 03:00 PM	47.0	43.2
09:40 AM - 09:45 AM	42.1	39.6	12:20 PM - 12:25 PM	43.4	38.3	03:00 PM - 03:05 PM	59.9	41.6
09:45 AM - 09:50 AM	44.3	39.2	12:25 PM - 12:30 PM	47.0	37.3	03:05 PM - 03:10 PM	47.0	40.0
09:50 AM - 09:55 AM	44.2	38.8	12:30 PM - 12:35 PM	45.9	38.1	03:10 PM - 03:15 PM	44.7	40.6
09:55 AM - 10:00 AM	51.8	38.5	12:35 PM - 12:40 PM	43.5	40.5	03:15 PM - 03:20 PM	42.4	40.4
10:00 AM - 10:05 AM	41.0	37.7	12:40 PM - 12:45 PM	44.8	39.7	03:20 PM - 03:25 PM	45.0	41.8
10:05 AM - 10:10 AM	46.0	38.7	12:45 PM - 12:50 PM	42.8	39.5	03:25 PM - 03:30 PM	47.9	43.5
10:10 AM - 10:15 AM	40.1	37.4	12:50 PM - 12:55 PM	41.8	40.4	03:30 PM - 03:35 PM	45.6	41.8
10:15 AM - 10:20 AM	38.9	36.8	12:55 PM - 01:00 PM	50.2	41.1	03:35 PM - 03:40 PM	45.4	42.3
10:20 AM - 10:25 AM	46.9	36.9	01:00 PM - 01:05 PM	47.6	39.8	03:40 PM - 03:45 PM	43.9	41.6
10:25 AM - 10:30 AM	42.5	37.2	01:05 PM - 01:10 PM	46.5	41.8	03:45 PM - 03:50 PM	49.0	43.9
10:30 AM - 10:35 AM	42.9	38.8	01:10 PM - 01:15 PM	42.7	39.1	03:50 PM - 03:55 PM	54.8	42.7
10:35 AM - 10:40 AM	42.9	38.8	01:15 PM - 01:20 PM	45.1	38.4	03:55 PM - 04:00 PM	54.5	42.4

Approved by

Saranyut Jitranont
Assistant General Manager

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1616/10 Moo 5 T. Manam Khru A. Phakdang Rayong 21140 Thailand. Phone: +66 0 3304 8555. Fax: +66 0 3304 8556.

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RIGHT SOLUTIONS. RIGHT PARTNERS.



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/115 26TH Fl. Italthai Tower, New P



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Lalitlhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RNL-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161954-1

Sample Number : 24110374-02
Parameter : Noise Level (Leq 5 min)
Location : N4 : สี่แยกห้วยขวางฝั่งเลขที่ 5
Measurement Date : Oct 26 - Oct 27, 2024
Measurement by : Sami Chachana
Sound Level meter : Serial No. 00233183

Oct 27, 2024	Leq	L90	Oct 27, 2024	Leq	L90	Oct 27, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
12:00 AM - 12:05 AM	39.9	39.3	02:40 AM - 02:45 AM	40.8	40.1	05:20 AM - 05:25 AM	39.1	38.1
12:05 AM - 12:10 AM	40.4	39.8	02:45 AM - 02:50 AM	40.7	40.2	05:25 AM - 05:30 AM	39.3	38.0
12:10 AM - 12:15 AM	40.2	39.4	02:50 AM - 02:55 AM	40.9	40.3	05:30 AM - 05:35 AM	39.0	38.2
12:15 AM - 12:20 AM	40.6	39.8	02:55 AM - 03:00 AM	41.0	40.4	05:35 AM - 05:40 AM	38.8	37.6
12:20 AM - 12:25 AM	40.9	40.0	03:00 AM - 03:05 AM	44.7	40.5	05:40 AM - 05:45 AM	45.0	40.7
12:25 AM - 12:30 AM	40.4	39.8	03:05 AM - 03:10 AM	42.9	40.9	05:45 AM - 05:50 AM	43.5	37.3
12:30 AM - 12:35 AM	41.2	39.4	03:10 AM - 03:15 AM	41.3	39.5	05:50 AM - 05:55 AM	41.5	37.4
12:35 AM - 12:40 AM	38.8	39.8	03:15 AM - 03:20 AM	41.0	38.7	05:55 AM - 06:00 AM	43.5	37.7
12:40 AM - 12:45 AM	39.4	38.8	03:20 AM - 03:25 AM	42.1	41.0	06:00 AM - 06:05 AM	42.5	38.9
12:45 AM - 12:50 AM	39.2	38.8	03:25 AM - 03:30 AM	41.3	40.1	06:05 AM - 06:10 AM	49.4	40.1
12:50 AM - 12:55 AM	39.4	39.8	03:30 AM - 03:35 AM	41.8	40.5	06:10 AM - 06:15 AM	44.4	38.7
12:55 AM - 01:00 AM	39.5	38.8	03:35 AM - 03:40 AM	42.4	41.7	06:15 AM - 06:20 AM	48.1	40.4
01:00 AM - 01:05 AM	38.9	38.1	03:40 AM - 03:45 AM	41.9	40.9	06:20 AM - 06:25 AM	45.8	40.7
01:05 AM - 01:10 AM	41.4	38.7	03:45 AM - 03:50 AM	41.4	40.8	06:25 AM - 06:30 AM	44.2	38.8
01:10 AM - 01:15 AM	39.0	38.5	03:50 AM - 03:55 AM	41.4	40.9	06:30 AM - 06:35 AM	42.8	38.5
01:15 AM - 01:20 AM	39.3	38.9	03:55 AM - 04:00 AM	41.1	40.8	06:35 AM - 06:40 AM	45.3	38.4
01:20 AM - 01:25 AM	65.1	42.1	04:00 AM - 04:05 AM	40.8	40.2	06:40 AM - 06:45 AM	49.5	38.7
01:25 AM - 01:30 AM	56.5	52.4	04:05 AM - 04:10 AM	40.3	39.1	06:45 AM - 06:50 AM	46.5	39.0
01:30 AM - 01:35 AM	52.4	49.2	04:10 AM - 04:15 AM	40.7	40.3	06:50 AM - 06:55 AM	48.6	38.4
01:35 AM - 01:40 AM	44.2	42.5	04:15 AM - 04:20 AM	40.5	39.7	06:55 AM - 07:00 AM	45.6	40.1
01:40 AM - 01:45 AM	42.0	41.5	04:20 AM - 04:25 AM	41.0	39.6	07:00 AM - 07:05 AM	48.2	39.7
01:45 AM - 01:50 AM	45.7	40.9	04:25 AM - 04:30 AM	40.5	39.2	07:05 AM - 07:10 AM	53.7	40.5
01:50 AM - 01:55 AM	44.3	40.3	04:30 AM - 04:35 AM	49.5	38.5	07:10 AM - 07:15 AM	46.2	42.7
01:55 AM - 02:00 AM	42.6	40.1	04:35 AM - 04:40 AM	49.6	38.6	07:15 AM - 07:20 AM	50.2	41.0
02:00 AM - 02:05 AM	9.8	8.0	04:40 AM - 04:45 AM	53.1	39.6	07:20 AM - 07:25 AM	53.6	44.7
02:05 AM - 02:10 AM	46.8	40.6	04:45 AM - 04:50 AM	53.3	41.7	07:25 AM - 07:30 AM	45.6	41.3
02:10 AM - 02:15 AM	46.6	40.3	04:50 AM - 04:55 AM	51.6	38.1	07:30 AM - 07:35 AM	53.8	41.4
02:15 AM - 02:20 AM	43.1	40.3	04:55 AM - 05:00 AM	39.8	39.2	07:35 AM - 07:40 AM	50.9	44.3
02:20 AM - 02:25 AM	41.3	39.8	05:00 AM - 05:05 AM	50.0	38.6	07:40 AM - 07:45 AM	45.9	42.5
02:25 AM - 02:30 AM	40.9	40.5	05:05 AM - 05:10 AM	56.2	39.3	07:45 AM - 07:50 AM	48.8	42.1
02:30 AM - 02:35 AM	41.6	39.8	05:10 AM - 05:15 AM	41.4	38.2	07:50 AM - 07:55 AM	55.3	42.3
02:35 AM - 02:40 AM	40.7	40.2	05:15 AM - 05:20 AM	41.5	38.6	07:55 AM - 08:00 AM	47.4	42.6

Approved by

Saraphut Jitromont
Assistant General Manager

The above result is valid only for the measured noise level as indicated in this report. The result is not valid for any other use, and it is not valid without the signature of the Auditor, ALS (Company Group Thailand) and the signature of the Client. The result is not valid without the signature of the Client.

Address: 616/10 Moo 5 T. Maenam Khu A. Phakdang Rang 21140 Thailand. Phone: +66 0 3304 8555 Fax: +66 0 3304 8556



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Lalitlhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RNL-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161955-1

Sample Number : 24110374-03
Parameter : Noise Level (Leq 5 min)
Location : N4 : สี่แยกห้วยขวางฝั่งเลขที่ 5
Measurement Date : Oct 27 - Oct 28, 2024
Measurement by : Sami Chachana
Sound Level meter : Serial No. 00233183

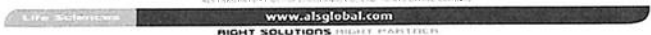
Oct 27, 2024	Leq	L90	Oct 27, 2024	Leq	L90	Oct 27, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
04:00 PM - 04:05 PM	47.3	42.3	06:40 PM - 06:45 PM	47.6	43.8	09:20 PM - 09:25 PM	41.6	41.1
04:05 PM - 04:10 PM	47.8	42.5	06:45 PM - 06:50 PM	48.1	44.1	09:25 PM - 09:30 PM	44.2	41.8
04:10 PM - 04:15 PM	49.9	43.5	06:50 PM - 06:55 PM	48.1	43.9	09:30 PM - 09:35 PM	41.1	41.0
04:15 PM - 04:20 PM	45.6	42.7	06:55 PM - 07:00 PM	53.0	42.7	09:35 PM - 09:40 PM	46.7	40.0
04:20 PM - 04:25 PM	45.9	42.7	07:00 PM - 07:05 PM	48.9	42.7	09:40 PM - 09:45 PM	45.1	41.3
04:25 PM - 04:30 PM	44.6	40.7	07:05 PM - 07:10 PM	44.6	42.7	09:45 PM - 09:50 PM	43.0	41.9
04:30 PM - 04:35 PM	47.0	40.9	07:10 PM - 07:15 PM	46.6	43.0	09:50 PM - 09:55 PM	43.3	42.3
04:35 PM - 04:40 PM	48.8	41.0	07:15 PM - 07:20 PM	44.6	43.1	09:55 PM - 10:00 PM	43.1	41.7
04:40 PM - 04:45 PM	47.8	41.2	07:20 PM - 07:25 PM	47.4	43.1	10:00 PM - 10:05 PM	53.2	41.8
04:45 PM - 04:50 PM	56.9	42.7	07:25 PM - 07:30 PM	47.4	42.8	10:05 PM - 10:10 PM	46.4	42.8
04:50 PM - 04:55 PM	46.5	41.0	07:30 PM - 07:35 PM	54.6	42.8	10:10 PM - 10:15 PM	43.7	41.7
04:55 PM - 05:00 PM	42.7	40.8	07:35 PM - 07:40 PM	53.9	42.9	10:15 PM - 10:20 PM	42.2	41.6
05:00 PM - 05:05 PM	47.5	41.3	07:40 PM - 07:45 PM	45.7	43.0	10:20 PM - 10:25 PM	43.4	41.3
05:05 PM - 05:10 PM	43.9	41.1	07:45 PM - 07:50 PM	51.9	43.4	10:25 PM - 10:30 PM	42.5	40.9
05:10 PM - 05:15 PM	46.1	42.6	07:50 PM - 07:55 PM	46.8	42.7	10:30 PM - 10:35 PM	43.8	41.6
05:15 PM - 05:20 PM	48.3	43.2	07:55 PM - 08:00 PM	46.8	44.0	10:35 PM - 10:40 PM	43.1	41.5
05:20 PM - 05:25 PM	50.3	43.2	08:00 PM - 08:05 PM	45.0	41.5	10:40 PM - 10:45 PM	43.4	41.6
05:25 PM - 05:30 PM	49.8	42.8	08:05 PM - 08:10 PM	45.1	42.4	10:45 PM - 10:50 PM	41.8	40.9
05:30 PM - 05:35 PM	47.6	42.1	08:10 PM - 08:15 PM	45.0	42.5	10:50 PM - 10:55 PM	41.2	40.4
05:35 PM - 05:40 PM	47.1	40.7	08:15 PM - 08:20 PM	42.8	42.2	10:55 PM - 11:00 PM	42.7	42.1
05:40 PM - 05:45 PM	52.3	41.3	08:20 PM - 08:25 PM	46.0	42.2	11:00 PM - 11:05 PM	42.2	41.6
05:45 PM - 05:50 PM	45.5	41.2	08:25 PM - 08:30 PM	51.6	41.7	11:05 PM - 11:10 PM	44.4	41.8
05:50 PM - 05:55 PM	45.7	40.4	08:30 PM - 08:35 PM	53.3	41.8	11:10 PM - 11:15 PM	49.9	41.3
05:55 PM - 06:00 PM	45.1	40.5	08:35 PM - 08:40 PM	45.4	41.9	11:15 PM - 11:20 PM	41.6	41.2
06:00 PM - 06:05 PM	50.1	40.5	08:40 PM - 08:45 PM	44.7	42.0	11:20 PM - 11:25 PM	41.0	41.4
06:05 PM - 06:10 PM	46.5	41.2	08:45 PM - 08:50 PM	42.7	42.1	11:25 PM - 11:30 PM	42.9	41.3
06:10 PM - 06:15 PM	43.3	39.7	08:50 PM - 08:55 PM	44.1	42.2	11:30 PM - 11:35 PM	41.8	41.0
06:15 PM - 06:20 PM	45.3	39.9	08:55 PM - 09:00 PM	42.7	42.0	11:35 PM - 11:40 PM	59.2	41.0
06:20 PM - 06:25 PM	45.7	40.4	09:00 PM - 09:05 PM	42.3	41.5	11:40 PM - 11:45 PM	62.4	41.0
06:25 PM - 06:30 PM	42.9	41.2	09:05 PM - 09:10 PM	43.9	42.2	11:45 PM - 11:50 PM	59.2	46.3
06:30 PM - 06:35 PM	44.9	42.8	09:10 PM - 09:15 PM	42.6	41.6	11:50 PM - 11:55 PM	51.1	40.6
06:35 PM - 06:40 PM	46.8	42.7	09:15 PM - 09:20 PM	42.6	41.3	11:55 PM - 12:00 AM	51.7	45.4

Approved by

Saraphut Jitromont
Assistant General Manager

The above result is valid only for the measured noise level as indicated in this report. The result is not valid for any other use, and it is not valid without the signature of the Auditor, ALS (Company Group Thailand) and the signature of the Client. The result is not valid without the signature of the Client.

Address: 616/10 Moo 5 T. Maenam Khu A. Phakdang Rang 21140 Thailand. Phone: +66 0 3304 8555 Fax: +66 0 3304 8556



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Lalitlhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RNL-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161954-1

Sample Number : 24110374-02
Parameter : Noise Level (Leq 5 min)
Location : N4 : สี่แยกห้วยขวางฝั่งเลขที่ 5
Measurement Date : Oct 26 - Oct 27, 2024
Measurement by : Sami Chachana
Sound Level meter : Serial No. 00233183

Oct 27, 2024	Leq	L90	Oct 27, 2024	Leq	L90	Oct 27, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
08:00 AM - 08:05 AM	49.4	45.8	10:40 AM - 10:45 AM	48.1	41.3	01:20 PM - 01:25 PM	45.2	42.2
08:05 AM - 08:10 AM	47.2	45.7	10:45 AM - 10:50 AM	46.2	40.9	01:25 PM - 01:30 PM	41.5	42.0
08:10 AM - 08:15 AM	45.8	40.5	10:50 AM - 10:55 AM	49.3	42.7	01:30 PM - 01:35 PM	49.5	41.9
08:15 AM - 08:20 AM	45.5	42.5	10:55 AM - 11:00 AM	46.7	44.4	01:35 PM - 01:40 PM	52.8	41.8
08:20 AM - 08:25 AM	41.8	42.8	11:00 AM - 11:05 AM	53.1	44.2	01:40 PM - 01:45 PM	61.8	56.8
08:25 AM - 08:30 AM	50.2	44.6	11:05 AM - 11:10 AM	48.5	42.6	01:45 PM - 01:50 PM	52.2	44.8
08:30 AM - 08:35 AM	51.6	47.5	11:10 AM - 11:15 AM	48.1	43.6	01:50 PM - 01:55 PM	47.2	42.3
08:35 AM - 08:40 AM	52.7	46.6	11:15 AM - 11:20 AM	47.3	42.7	01:55 PM - 02:00 PM	51.3	43.1
08:40 AM - 08:45 AM	54.1	46.0	11:20 AM - 11:25 AM	46.7	41.1	02:00 PM - 02:05 PM	48.3	41.2
08:45 AM - 08:50 AM	49.0	46.2	11:25 AM - 11:30 AM	46.7	42.0	02:05 PM - 02:10 PM	49.2	42.3
08:50 AM - 08:55 AM	49.7	45.5	11:30 AM - 11:35 AM	46.4	40.6	02:10 PM - 02:15 PM	48.6	42.1
08:55 AM - 09:00 AM	51.1	45.9	11:35 AM - 11:40 AM	47.5	39.8	02:15 PM - 02:20 PM	47.2	41.7
09:00 AM - 09:05 AM	49.7	44.1	11:40 AM - 11:45 AM	46.1	41.9	02:20 PM - 02:25 PM	47.6	44.6
09:05 AM - 09:10 AM	50.3	44.6	11:45 AM - 11:50 AM	46.4	41.3	02:25 PM - 02:30 PM	48.2	42.7
09:10 AM - 09:15 AM	47.9	44.0	11:50 AM - 11:55 AM	44.5	42.7	02:30 PM - 02:35 PM	46.4	42.1
09:15 AM - 09:20 AM	46.8	44.8	11:55 AM - 12:00 PM	49.7	40.9	02:35 PM - 02:40 PM	48.4	41.5
09:20 AM - 09:25 AM	50.5	42.3	12:00 PM - 12:05 PM	46.3	41.9	02:40 PM - 02:45 PM	48.6	39.8
09:25 AM - 09:30 AM	45.6	43.0	12:05 PM - 12:10 PM	43.8	37.1	02:45 PM - 02:50 PM	46.3	40.2
09:30 AM - 09:35 AM	50.9	43.7	12:10 PM - 12:15 PM	43.7	39.5	02:50 PM - 02:55 PM	49.7	39.2
09:35 AM - 09:40 AM	47.7	44.3	12:15 PM - 12:20 PM	50.6	42.3	02:55 PM - 03:00 PM	45.7	40.2
09:40 AM - 09:45 AM	46.1	43.5	12:20 PM - 12:25 PM	44.6	37.4	03:00 PM - 03:05 PM	46.7	41.2
09:45 AM - 09:50 AM	47.3	41.4	12:25 PM - 12:30 PM	45.3	38.0	03:05 PM - 03:10 PM	47.8	41.2
09:50 AM - 09:55 AM	50.7	41.0	12:30 PM - 12:35 PM	45.4	37.0	03:10 PM - 03:15 PM	52.2	40.8
09:55 AM - 10:00 AM	48.0	43.2	12:35 PM - 12:40 PM	38.8	36.8	03:15 PM - 03:20 PM	47.2	41.2
10:00 AM - 10:05 AM	47.1	40.4	12:40 PM - 12:45 PM	45.2	36.5	03:20 PM - 03:25 PM	46.9	42.1
10:05 AM - 10:10 AM	46.2	41.0	12:45 PM - 12:50 PM	49.5	36.7	03:25 PM - 03:30 PM	45.6	40.7
10:10 AM - 10:15 AM	45.4	40.3	12:50 PM - 12:55 PM	49.9	36.7	03:30 PM - 03:35 PM	45.0	40.6
10:15 AM - 10:20 AM	46.4	40.4	12:55 PM - 01:00 PM	41.2	35.4	03:35 PM - 03:40 PM	45.9	41.1
10:20 AM - 10:25 AM	49.7	42.2	01:00 PM - 01:05 PM	47.0	36.7	03:40 PM - 03:45 PM	45.0	41.1
10:25 AM - 10:30 AM	48.9	42.0	01:05 PM - 01:10 PM	41.0	36.9	03:45 PM - 03:50 PM	45.4	41.3
10:30 AM - 10:35 AM	47.6	43.0	01:10 PM - 01:15 PM	45.2	39.8	03:50 PM - 03:55 PM	44.5	40.8
10:35 AM - 10:40 AM	49.5	41.6	01:15 PM - 01:20 PM	49.2	39.0	03:55 PM - 04:00 PM	49.0	42.3



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10030
P/O : RJA-LCB-03/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161955-1

Sample Number : 24110374-23
Parameter : Noise Level (Leq 5 min)
Location : ถนนพหลโยธินฝั่งซ้าย
Measurement Date : Oct 27 - Oct 28, 2024
Measurement by : Santi Chachana
Sound Level meter : Serial No. 00233183

Page 3 of 3

Oct 28, 2024	Leq	L90	Oct 28, 2024	Leq	L90	Oct 28, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
08:00 AM - 08:05 AM	50.8	45.8	10:40 AM - 10:45 AM	50.4	47.2	01:20 PM - 01:25 PM	47.1	42.1
08:05 AM - 08:10 AM	57.5	46.0	10:45 AM - 10:50 AM	49.9	47.2	01:25 PM - 01:30 PM	46.6	43.5
08:10 AM - 08:15 AM	50.2	46.7	10:50 AM - 10:55 AM	49.1	44.8	01:30 PM - 01:35 PM	52.3	41.4
08:15 AM - 08:20 AM	57.1	47.2	10:55 AM - 11:00 AM	54.6	44.8	01:35 PM - 01:40 PM	49.0	41.7
08:20 AM - 08:25 AM	51.9	46.5	11:00 AM - 11:05 AM	57.1	54.2	01:40 PM - 01:45 PM	54.2	44.7
08:25 AM - 08:30 AM	51.1	45.3	11:05 AM - 11:10 AM	56.9	54.0	01:45 PM - 01:50 PM	52.1	45.1
08:30 AM - 08:35 AM	53.5	48.1	11:10 AM - 11:15 AM	55.8	47.2	01:50 PM - 01:55 PM	52.2	42.8
08:35 AM - 08:40 AM	54.6	52.7	11:15 AM - 11:20 AM	52.0	46.6	01:55 PM - 02:00 PM	52.3	44.9
08:40 AM - 08:45 AM	53.3	46.2	11:20 AM - 11:25 AM	56.0	46.1	02:00 PM - 02:05 PM	52.9	45.7
08:45 AM - 08:50 AM	55.8	45.9	11:25 AM - 11:30 AM	56.7	53.7	02:05 PM - 02:10 PM	49.9	44.1
08:50 AM - 08:55 AM	50.4	44.5	11:30 AM - 11:35 AM	57.7	53.1	02:10 PM - 02:15 PM	51.7	42.5
08:55 AM - 09:00 AM	53.2	45.2	11:35 AM - 11:40 AM	53.5	42.0	02:15 PM - 02:20 PM	46.7	41.3
09:00 AM - 09:05 AM	55.6	58.1	11:40 AM - 11:45 AM	57.1	54.3	02:20 PM - 02:25 PM	47.7	41.2
09:05 AM - 09:10 AM	58.4	49.1	11:45 AM - 11:50 AM	56.4	49.8	02:25 PM - 02:30 PM	45.6	41.3
09:10 AM - 09:15 AM	50.4	46.5	11:50 AM - 11:55 AM	47.7	39.1	02:30 PM - 02:35 PM	43.0	40.7
09:15 AM - 09:20 AM	58.3	47.9	11:55 AM - 12:00 PM	55.4	38.6	02:35 PM - 02:40 PM	46.6	40.7
09:20 AM - 09:25 AM	58.0	48.2	12:00 PM - 12:05 PM	45.1	38.1	02:40 PM - 02:45 PM	49.0	40.9
09:25 AM - 09:30 AM	52.8	46.2	12:05 PM - 12:10 PM	47.7	37.0	02:45 PM - 02:50 PM	49.7	42.2
09:30 AM - 09:35 AM	49.8	40.0	12:10 PM - 12:15 PM	45.4	38.8	02:50 PM - 02:55 PM	41.4	42.1
09:35 AM - 09:40 AM	50.7	45.5	12:15 PM - 12:20 PM	46.3	41.5	02:55 PM - 03:00 PM	49.1	41.5
09:40 AM - 09:45 AM	58.2	55.9	12:20 PM - 12:25 PM	49.1	42.2	03:00 PM - 03:05 PM	47.5	44.2
09:45 AM - 09:50 AM	58.2	56.2	12:25 PM - 12:30 PM	48.1	40.5	03:05 PM - 03:10 PM	45.0	43.8
09:50 AM - 09:55 AM	57.9	54.8	12:30 PM - 12:35 PM	54.4	40.5	03:10 PM - 03:15 PM	47.1	44.4
09:55 AM - 10:00 AM	54.1	45.3	12:35 PM - 12:40 PM	50.1	33.2	03:15 PM - 03:20 PM	48.8	40.9
10:00 AM - 10:05 AM	49.1	44.7	12:40 PM - 12:45 PM	54.4	39.4	03:20 PM - 03:25 PM	48.5	39.8
10:05 AM - 10:10 AM	49.5	41.1	12:45 PM - 12:50 PM	46.1	39.0	03:25 PM - 03:30 PM	49.8	42.6
10:10 AM - 10:15 AM	51.8	56.3	12:50 PM - 12:55 PM	45.5	38.5	03:30 PM - 03:35 PM	51.5	42.0
10:15 AM - 10:20 AM	51.8	45.6	12:55 PM - 01:00 PM	42.8	37.7	03:35 PM - 03:40 PM	40.0	41.6
10:20 AM - 10:25 AM	50.4	45.7	01:00 PM - 01:05 PM	39.9	36.7	03:40 PM - 03:45 PM	46.6	41.2
10:25 AM - 10:30 AM	56.1	55.1	01:05 PM - 01:10 PM	44.5	38.2	03:45 PM - 03:50 PM	47.6	40.7
10:30 AM - 10:35 AM	57.3	54.9	01:10 PM - 01:15 PM	45.7	38.6	03:50 PM - 03:55 PM	46.9	41.5
10:35 AM - 10:40 AM	54.8	47.0	01:15 PM - 01:20 PM	48.1	45.1	03:55 PM - 04:00 PM	48.5	41.0

Approved by
Sarayuth Jitranont
Assistant General Manager

The above results are valid for the stated test condition. It is not intended to be used for any other purpose. ALS is not responsible for any errors or omissions. ALS is not responsible for any damage or loss of property. ALS is not responsible for any injury or death. ALS is not responsible for any other consequences of the use of the results.

616/10 Moo 5 T. Maeng Kru A. Phakdang Rang 21140 Thailand. P: 06-646 0304 8555 F: 06-646 0304 8556



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10030
P/O : RJA-LCB-03/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161955-1

Sample Number : 24110374-24
Parameter : Noise Level (Leq 5 min)
Location : ถนนพหลโยธินฝั่งซ้าย
Measurement Date : Oct 28 - Oct 29, 2024
Measurement by : Santi Chachana
Sound Level meter : Serial No. 00233183

Page 2 of 3

Oct 29, 2024	Leq	L90	Oct 29, 2024	Leq	L90	Oct 29, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
12:20 AM - 12:25 AM	43.2	42.6	02:40 AM - 02:45 AM	42.1	41.5	05:20 AM - 05:25 AM	41.1	40.1
12:25 AM - 12:30 AM	42.8	42.1	02:45 AM - 02:50 AM	42.9	42.8	05:25 AM - 05:30 AM	41.4	40.2
12:30 AM - 12:35 AM	42.6	42.1	02:50 AM - 02:55 AM	43.6	41.8	05:30 AM - 05:35 AM	41.2	40.1
12:35 AM - 12:40 AM	43.6	42.2	02:55 AM - 03:00 AM	43.2	41.5	05:35 AM - 05:40 AM	40.8	39.8
12:40 AM - 12:45 AM	45.2	42.4	03:00 AM - 03:05 AM	42.9	42.1	05:40 AM - 05:45 AM	41.9	40.7
12:45 AM - 12:50 AM	43.0	42.5	03:05 AM - 03:10 AM	42.0	41.3	05:45 AM - 05:50 AM	45.9	40.7
12:50 AM - 12:55 AM	41.3	42.8	03:10 AM - 03:15 AM	42.3	41.0	05:50 AM - 05:55 AM	43.7	40.7
12:55 AM - 1:00 AM	42.8	42.5	03:15 AM - 03:20 AM	42.9	41.9	05:55 AM - 06:00 AM	43.3	40.9
1:00 AM - 1:05 AM	43.1	42.4	03:20 AM - 03:25 AM	44.7	42.5	06:00 AM - 06:05 AM	46.5	42.1
1:05 AM - 1:10 AM	43.8	43.0	03:25 AM - 03:30 AM	43.0	41.6	06:05 AM - 06:10 AM	46.4	41.6
1:10 AM - 1:15 AM	43.4	42.7	03:30 AM - 03:35 AM	42.8	41.9	06:10 AM - 06:15 AM	46.2	41.9
1:15 AM - 1:20 AM	43.1	42.3	03:35 AM - 03:40 AM	42.8	42.1	06:15 AM - 06:20 AM	47.4	42.8
1:20 AM - 1:25 AM	44.5	43.0	03:40 AM - 03:45 AM	42.2	41.6	06:20 AM - 06:25 AM	48.1	42.9
1:25 AM - 1:30 AM	45.0	43.8	03:45 AM - 03:50 AM	41.8	41.5	06:25 AM - 06:30 AM	45.7	40.7
1:30 AM - 1:35 AM	44.2	43.0	03:50 AM - 03:55 AM	42.9	40.8	06:30 AM - 06:35 AM	46.9	40.9
1:35 AM - 1:40 AM	43.7	42.7	03:55 AM - 04:00 AM	42.2	41.8	06:35 AM - 06:40 AM	45.9	42.7
1:40 AM - 1:45 AM	43.6	42.8	04:00 AM - 04:05 AM	42.8	41.4	06:40 AM - 06:45 AM	50.2	44.6
1:45 AM - 1:50 AM	43.2	42.4	04:05 AM - 04:10 AM	43.2	42.3	06:45 AM - 06:50 AM	52.8	45.4
1:50 AM - 1:55 AM	43.1	42.2	04:10 AM - 04:15 AM	41.5	39.9	06:50 AM - 06:55 AM	50.1	43.6
1:55 AM - 2:00 AM	44.4	42.3	04:15 AM - 04:20 AM	40.7	39.3	06:55 AM - 07:00 AM	48.7	42.3
2:00 AM - 2:05 AM	43.0	42.4	04:20 AM - 04:25 AM	41.5	40.2	07:00 AM - 07:05 AM	46.8	41.2
2:05 AM - 2:10 AM	43.7	42.6	04:25 AM - 04:30 AM	41.8	41.1	07:05 AM - 07:10 AM	47.5	42.8
2:10 AM - 2:15 AM	42.8	41.9	04:30 AM - 04:35 AM	41.6	40.7	07:10 AM - 07:15 AM	49.7	42.9
2:15 AM - 2:20 AM	42.4	42.0	04:35 AM - 04:40 AM	41.4	40.7	07:15 AM - 07:20 AM	47.6	41.4
2:20 AM - 2:25 AM	42.2	41.5	04:40 AM - 04:45 AM	41.7	40.3	07:20 AM - 07:25 AM	48.4	44.1
2:25 AM - 2:30 AM	42.5	41.8	04:45 AM - 04:50 AM	40.7	39.3	07:25 AM - 07:30 AM	48.4	44.1
2:30 AM - 2:35 AM	41.7	41.2	04:50 AM - 04:55 AM	55.7	29.2	07:30 AM - 07:35 AM	48.7	44.1
2:35 AM - 2:40 AM	42.2	41.6	04:55 AM - 05:00 AM	58.5	40.1	07:35 AM - 07:40 AM	49.5	44.8
2:40 AM - 2:45 AM	42.7	42.1	05:00 AM - 05:05 AM	41.6	39.7	07:40 AM - 07:45 AM	45.6	43.6
2:45 AM - 2:50 AM	43.8	41.9	05:05 AM - 05:10 AM	41.9	40.2	07:45 AM - 07:50 AM	46.9	43.1
2:50 AM - 2:55 AM	43.1	41.4	05:10 AM - 05:15 AM	42.7	40.7	07:50 AM - 07:55 AM	45.8	42.6
2:55 AM - 02:40 AM	41.6	40.6	05:15 AM - 05:20 AM	41.8	40.3	07:55 AM - 08:00 AM	48.8	44.6

Approved by
Sarayuth Jitranont
Assistant General Manager

The above results are valid for the stated test condition. It is not intended to be used for any other purpose. ALS is not responsible for any errors or omissions. ALS is not responsible for any damage or loss of property. ALS is not responsible for any injury or death. ALS is not responsible for any other consequences of the use of the results.

616/10 Moo 5 T. Maeng Kru A. Phakdang Rang 21140 Thailand. P: 06-646 0304 8555 F: 06-646 0304 8556



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10030
P/O : RJA-LCB-03/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161955-1

Sample Number : 24110374-24
Parameter : Noise Level (Leq 5 min)
Location : ถนนพหลโยธินฝั่งซ้าย
Measurement Date : Oct 28 - Oct 29, 2024
Measurement by : Santi Chachana
Sound Level meter : Serial No. 00233183

Page 3 of 3

Oct 28, 2024	Leq	L90	Oct 28, 2024	Leq	L90	Oct 28, 2024	Leq	L90
	dB(A)	dB(A)		dB(A)	dB(A)		dB(A)	dB(A)
04:00 PM - 04:05 PM	45.9	41.2	06:40 PM - 06:45 PM	46.9	42.0	09:20 PM - 09:25 PM	44.4	43.6
04:05 PM - 04:10 PM	45.9	41.5	06:45 PM - 06:50 PM	42.6	41.9	09:25 PM - 09:30 PM	44.6	43.6
04:10 PM - 04:15 PM	52.4	46.2	06:50 PM - 06:55 PM	48.6	42.3	09:30 PM - 09:35 PM	46.4	43.5
04:15 PM - 04:20 PM	55.9	43.5	06:55 PM - 07:00 PM	44.3	41.6	09:35 PM - 09:40 PM	46.8	44.0
04:20 PM - 04:25 PM	53.9	45.4	07:00 PM - 07:05 PM	44.1	42.6	09:40 PM - 09:45 PM	47.9	43.7
04:25 PM - 04:30 PM	51.0	42.8	07:05 PM - 07:10 PM	46.1	42.7	09:45 PM - 09:50 PM	47.2	43.7
04:30 PM - 04:35 PM	52.3	44.7	07:10 PM - 07:15 PM	46.7	43.2	09:50 PM - 09:55 PM	44.4	43.1
04:35 PM - 04:40 PM	50.5	42.9	07:15 PM - 07:20 PM	54.3	50.3	09:55 PM - 10:00 PM	44.0	43.1
04:40 PM - 04:45 PM	56.9	44.0	07:20 PM - 07:25 PM	60.8	57.0	10:00 PM - 10:05 PM	45.7	43.0
04:45 PM - 04:50 PM	49.6	41.8	07:25 PM - 07:30 PM	52.2	46.9	10:05 PM - 10:10 PM	53.2	42.8
04:50 PM - 04:55 PM	47.5	41.1	07:30 PM - 07:35 PM	47.4	44.0	10:10 PM - 10:15 PM	44.0	43.2
04:55 PM - 05:00 PM	48.0	41.6	07:35 PM - 07:40 PM	44.5	43.5	10:15 PM - 10:20 PM	43.5	42.8
05:00 PM - 05:05 PM	48.7	41.6	07:40 PM - 07:45 PM	43.7	42.4	10:20 PM - 10:25 PM	43.5	42.7
05:05 PM - 05:10 PM	51.9	44.1	07:45 PM - 07:50 PM	46.2	42.3	10:25 PM - 10:30 PM	52.2	43.3
05:10 PM - 05:15 PM	55.7	46.0	07:50 PM - 07:55 PM	45.5	42.3	10:30 PM - 10:35 PM	49.5	41.9
05:15 PM - 05:20 PM	46.4	43.0	07:55 PM - 08:00 PM	45.4	42.4	10:35 PM - 10:40 PM	43.5	42.4
05:20 PM - 05:25 PM	49.9	43.9	08:00 PM - 08:05 PM	43.6	42.1	10:40 PM - 10:45 PM	43.7	43.1
05:25 PM - 05:30 PM	50.7	47.7	08:05 PM - 08:10 PM	46.6	42.4	10:45 PM - 10:50 PM	43.6	43.1
05:30 PM - 05:35 PM	47.6	42.5	08:10 PM - 08:15 PM	45.1	42.6	10:50 PM - 10:55 PM	41.8	41.9
05:35 PM - 05:40 PM	46.1	42.7	08:15 PM - 08:20 PM	43.7	42.9	10:55 PM - 11:00 PM	43.8	43.3
05:40 PM - 05:45 PM	46.6	42.7	08:20 PM - 08:25 PM	47.5	42.9	11:00 PM - 11:05 PM	43.8	43.1
05:45 PM - 05:50 PM	51.8	41.6	08:25 PM - 08:30 PM	44.4	43.3	11:05 PM - 11:10 PM	43.0	42.2
05:50 PM - 05:55 PM	42.2	40.4	08:30 PM - 08:35 PM	45.2	42.6	11:10 PM - 11:15 PM	43.6	42.8
05:55 PM - 06:00 PM	68.5	40.0	08:35 PM - 08:40 PM	44.3	43.5	11:15 PM - 11:20 PM	43.3	42.6
06:00 PM - 06:05 PM	53.3	40.0	08:40 PM - 08:45 PM	44.4	43.7	11:20 PM - 11:25 PM	43.5	42.5
06:05 PM - 06:10 PM	51.0	40.4	08:45 PM - 08:50 PM	44.4	43.7	11:25 PM - 11:30 PM	43.1	42.1
06:10 PM - 06:15 PM	47.0	40.4	08:50 PM - 08:55 PM	45.1	42.6	11:30 PM - 11:35 PM	42.9	42.2
06:15 PM - 06:20 PM	49.3	39.4	08:55 PM - 09:00 PM	54.5	44.1	11:35 PM - 11:40 PM	42.1	41.6
06:20 PM - 06:25 PM	42.1	40.1	09:00 PM - 09:05 PM	47.4	41.8	11:40 PM - 11:45 PM	40.2	40.2
06:25 PM - 06:30 PM	46.1	40.9	09:05 PM - 09:10 PM	45.6	43.9	11:45 PM - 11:50 PM	40.4	40.2
06:30 PM - 06:35 PM	49.2	41.9	09:10 PM - 09:15 PM	45.0	44.1	11:50 PM - 11:55 PM	44.1	43.6
06:35 PM - 06:40 PM	48.6	42.2	09:15 PM - 09:20 PM	46.2	43.9	11:55 PM - 12:00 AM	43.4	42.6



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkapi, Huaykong, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161957-1

Sample Number		24110374-25		Parameter		Noise Level (Leq 5 min)		Location		N4 : สวนสาธารณะคลองหลวง 5		Measurement Date		Oct 29 - Oct 30, 2024		Measurement by		Santi Chachana		Serial No. 00233183			
Sound Level meter																							
Oct 29, 2024		Time		Leq dB(A)		L90 dB(A)		Oct 29, 2024		Time		Leq dB(A)		L90 dB(A)		Oct 30, 2024		Time		Leq dB(A)		L90 dB(A)	
04:00 PM - 04:05 PM		51.9		52.9		06:40 PM - 06:45 PM		44.0		09:20 PM - 09:25 PM		42.1		41.2		09:20 PM - 09:25 PM		42.1		41.2		09:20 PM - 09:25 PM	
04:05 PM - 04:10 PM		51.6		52.7		06:45 PM - 06:50 PM		44.4		09:25 PM - 09:30 PM		42.4		40.9		09:25 PM - 09:30 PM		42.4		40.9		09:25 PM - 09:30 PM	
04:10 PM - 04:15 PM		54.5		39.2		06:50 PM - 06:55 PM		42.5		09:30 PM - 09:35 PM		42.2		41.0		09:30 PM - 09:35 PM		42.2		41.0		09:30 PM - 09:35 PM	
04:15 PM - 04:20 PM		46.8		39.3		06:55 PM - 07:00 PM		41.8		09:35 PM - 09:40 PM		41.0		42.0		09:35 PM - 09:40 PM		41.0		42.0		09:35 PM - 09:40 PM	
04:20 PM - 04:25 PM		49.0		38.5		07:00 PM - 07:05 PM		42.9		09:40 PM - 09:45 PM		45.8		41.7		09:40 PM - 09:45 PM		45.8		41.7		09:40 PM - 09:45 PM	
04:25 PM - 04:30 PM		48.4		39.7		07:05 PM - 07:10 PM		45.0		09:45 PM - 09:50 PM		54.2		53.4		09:45 PM - 09:50 PM		54.2		53.4		09:45 PM - 09:50 PM	
04:30 PM - 04:35 PM		49.0		40.5		07:10 PM - 07:15 PM		47.8		09:50 PM - 09:55 PM		42.3		42.2		09:50 PM - 09:55 PM		42.3		42.2		09:50 PM - 09:55 PM	
04:35 PM - 04:40 PM		46.8		39.8		07:15 PM - 07:20 PM		42.9		09:55 PM - 10:00 PM		52.4		41.9		10:00 PM - 10:05 PM		52.4		41.9		10:00 PM - 10:05 PM	
04:40 PM - 04:45 PM		42.4		37.2		07:20 PM - 07:25 PM		44.5		10:00 PM - 10:05 PM		42.0		41.4		10:05 PM - 10:10 PM		42.0		41.4		10:05 PM - 10:10 PM	
04:45 PM - 04:50 PM		48.1		38.7		07:25 PM - 07:30 PM		44.2		10:10 PM - 10:15 PM		54.7		41.4		10:15 PM - 10:20 PM		54.7		41.4		10:15 PM - 10:20 PM	
04:50 PM - 04:55 PM		44.5		37.6		07:30 PM - 07:35 PM		44.0		10:20 PM - 10:25 PM		45.5		41.9		10:25 PM - 10:30 PM		45.5		41.9		10:25 PM - 10:30 PM	
04:55 PM - 05:00 PM		51.6		38.5		07:35 PM - 07:40 PM		43.4		10:30 PM - 10:35 PM		45.5		41.4		10:35 PM - 10:40 PM		45.5		41.4		10:35 PM - 10:40 PM	
05:00 PM - 05:05 PM		51.2		38.4		07:40 PM - 07:45 PM		45.3		10:40 PM - 10:45 PM		41.7		40.6		10:45 PM - 10:50 PM		41.7		40.6		10:45 PM - 10:50 PM	
05:05 PM - 05:10 PM		43.9		39.3		07:45 PM - 07:50 PM		42.5		10:50 PM - 10:55 PM		42.2		41.7		10:55 PM - 11:00 PM		42.2		41.7		10:55 PM - 11:00 PM	
05:10 PM - 05:15 PM		41.3		37.7		07:50 PM - 07:55 PM		44.4		11:00 PM - 11:05 PM		41.9		41.0		11:05 PM - 11:10 PM		41.9		41.0		11:05 PM - 11:10 PM	
05:15 PM - 05:20 PM		41.8		37.7		07:55 PM - 08:00 PM		45.4		11:10 PM - 11:15 PM		42.3		41.1		11:15 PM - 11:20 PM		42.3		41.1		11:15 PM - 11:20 PM	
05:20 PM - 05:25 PM		45.5		37.9		08:00 PM - 08:05 PM		47.9		11:20 PM - 11:25 PM		42.7		41.2		11:25 PM - 11:30 PM		42.7		41.2		11:25 PM - 11:30 PM	
05:25 PM - 05:30 PM		48.9		37.8		08:05 PM - 08:10 PM		49.6		11:30 PM - 11:35 PM		41.4		40.3		11:35 PM - 11:40 PM		41.4		40.3		11:35 PM - 11:40 PM	
05:30 PM - 05:35 PM		49.3		38.1		08:10 PM - 08:15 PM		47.3		11:40 PM - 11:45 PM		41.0		40.1		11:45 PM - 11:50 PM		41.0		40.1		11:45 PM - 11:50 PM	
05:35 PM - 05:40 PM		51.4		39.0		08:15 PM - 08:20 PM		41.8		11:50 PM - 11:55 PM		41.8		41.1		11:55 PM - 12:00 PM		41.8		41.1		11:55 PM - 12:00 PM	
05:40 PM - 05:45 PM		49.8		38.4		08:20 PM - 08:25 PM		42.0		12:00 PM - 12:05 PM		44.5		40.2		12:05 PM - 12:10 PM		44.5		40.2		12:05 PM - 12:10 PM	
05:45 PM - 05:50 PM		47.0		39.3		08:25 PM - 08:30 PM		47.8		12:10 PM - 12:15 PM		42.9		40.9		12:15 PM - 12:20 PM		42.9		40.9		12:15 PM - 12:20 PM	
05:50 PM - 05:55 PM		45.2		38.0		08:30 PM - 08:35 PM		43.0		12:20 PM - 12:25 PM		41.3		40.6		12:25 PM - 12:30 PM		41.3		40.6		12:25 PM - 12:30 PM	
05:55 PM - 06:00 PM		47.2		37.3		08:35 PM - 08:40 PM		49.8		12:30 PM - 12:35 PM		41.7		41.3		12:35 PM - 12:40 PM		41.7		41.3		12:35 PM - 12:40 PM	
06:00 PM - 06:05 PM		42.8		37.0		08:40 PM - 08:45 PM		51.0		12:40 PM - 12:45 PM		41.4		40.4		12:45 PM - 12:50 PM		41.4		40.4		12:45 PM - 12:50 PM	
06:05 PM - 06:10 PM		41.5		36.4		08:45 PM - 08:50 PM		42.8		12:50 PM - 12:55 PM		41.2		40.6		12:55 PM - 1:00 PM		41.2		40.6		12:55 PM - 1:00 PM	
06:10 PM - 06:15 PM		41.4		37.5		08:50 PM - 08:55 PM		42.7		1:00 PM - 1:05 PM		41.3		39.7		1:05 PM - 1:10 PM		41.3		39.7		1:05 PM - 1:10 PM	
06:15 PM - 06:20 PM		42.5		37.6		08:55 PM - 09:00 PM		42.6		1:10 PM - 1:15 PM		41.9		40.5		1:15 PM - 1:20 PM		41.9		40.5		1:15 PM - 1:20 PM	
06:20 PM - 06:25 PM		44.2		37.7		09:00 PM - 09:05 PM		42.6		1:20 PM - 1:25 PM		41.3		39.7		1:25 PM - 1:30 PM		41.3		39.7		1:25 PM - 1:30 PM	
06:25 PM - 06:30 PM		41.3		38.8		09:05 PM - 09:10 PM		42.5		1:30 PM - 1:35 PM		41.4		40.1		1:35 PM - 1:40 PM		41.4		40.1		1:35 PM - 1:40 PM	
06:30 PM - 06:35 PM		42.2		39.8		09:10 PM - 09:15 PM		43.5		1:40 PM - 1:45 PM		41.5		39.6		1:45 PM - 1:50 PM		41.5		39.6		1:45 PM - 1:50 PM	
06:35 PM - 06:40 PM		44.5		40.8		09:15 PM - 09:20 PM		42.2		1:45 PM - 1:50 PM		41.5		39.6		1:50 PM - 12:00 AM		41.5		39.6		1:50 PM - 12:00 AM	



Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161958-1

Page 2 of 3

Oct 31, 2024			Oct 31, 2024			Oct 31, 2024		
Time			Time			Time		
Req	L90		Req	L90		Req	L90	
#(A)	#(A)		#(A)	#(A)		#(A)	#(A)	
12:00 AM - 12:05 AM	41.6	42.2	02:40 AM - 02:45 AM	41.5	40.4	05:20 AM - 05:25 AM	40.4	39.4
12:05 AM - 12:10 AM	41.4	42.4	02:45 AM - 02:50 AM	41.9	40.3	05:25 AM - 05:30 AM	42.0	39.3
12:10 AM - 12:15 AM	42.5	41.7	02:50 AM - 02:55 AM	40.9	40.4	05:30 AM - 05:35 AM	40.9	39.5
12:15 AM - 12:20 AM	42.6	40.7	02:55 AM - 03:00 AM	41.0	40.3	05:35 AM - 05:40 AM	41.6	39.4
12:20 AM - 12:25 AM	42.9	40.1	03:00 AM - 03:05 AM	40.8	40.2	05:40 AM - 05:45 AM	42.4	39.3
12:25 AM - 12:30 AM	42.5	40.2	03:05 AM - 03:10 AM	41.2	40.3	05:45 AM - 05:50 AM	42.2	39.4
12:30 AM - 12:35 AM	40.8	40.3	03:10 AM - 03:15 AM	44.2	41.0	05:50 AM - 05:55 AM	40.4	39.3
12:35 AM - 12:40 AM	40.8	40.3	03:15 AM - 03:20 AM	42.7	40.7	05:55 AM - 06:00 AM	41.8	39.1
12:40 AM - 12:45 AM	41.0	40.3	03:20 AM - 03:25 AM	40.7	40.2	06:00 AM - 06:05 AM	45.9	39.8
12:45 AM - 12:50 AM	41.0	40.5	03:25 AM - 03:30 AM	40.6	40.0	06:05 AM - 06:10 AM	43.1	40.8
12:50 AM - 12:55 AM	46.1	40.3	03:30 AM - 03:35 AM	41.4	39.9	06:10 AM - 06:15 AM	47.1	40.2
12:55 AM - 01:00 AM	41.3	40.7	03:35 AM - 03:40 AM	41.3	40.3	06:15 AM - 06:20 AM	48.9	40.6
01:00 AM - 01:05 AM	41.3	40.7	03:40 AM - 03:45 AM	41.0	40.2	06:20 AM - 06:25 AM	45.5	40.3
01:05 AM - 01:10 AM	41.1	41.3	03:45 AM - 03:50 AM	40.5	39.9	06:25 AM - 06:30 AM	45.9	40.5
01:10 AM - 01:15 AM	40.7	40.3	03:50 AM - 03:55 AM	40.8	40.2	06:30 AM - 06:35 AM	50.4	42.2
01:15 AM - 01:20 AM	42.4	40.4	03:55 AM - 04:00 AM	40.6	40.0	06:35 AM - 06:40 AM	59.3	42.6
01:20 AM - 01:25 AM	49.5	41.5	04:00 AM - 04:05 AM	41.1	40.7	06:40 AM - 06:45 AM	48.0	40.4
01:25 AM - 01:30 AM	42.4	40.7	04:05 AM - 04:10 AM	41.3	40.6	06:45 AM - 06:50 AM	46.2	40.2
01:30 AM - 01:35 AM	41.0	40.1	04:10 AM - 04:15 AM	41.5	40.9	06:50 AM - 06:55 AM	49.9	40.4
01:35 AM - 01:40 AM	41.3	40.4	04:15 AM - 04:20 AM	41.6	41.1	06:55 AM - 07:00 AM	47.6	40.8
01:40 AM - 01:45 AM	40.9	40.1	04:20 AM - 04:25 AM	41.2	41.3	07:00 AM - 07:05 AM	42.9	40.1
01:45 AM - 01:50 AM	41.3	40.6	04:25 AM - 04:30 AM	41.1	41.1	07:05 AM - 07:10 AM	45.2	39.8
01:50 AM - 01:55 AM	56.8	40.3	04:30 AM - 04:35 AM	40.9	40.3	07:10 AM - 07:15 AM	44.9	41.4
01:55 AM - 02:00 AM	50.3	40.2	04:35 AM - 04:40 AM	41.2	40.4	07:15 AM - 07:20 AM	48.3	40.9
02:00 AM - 02:05 AM	40.1	39.5	04:40 AM - 04:45 AM	45.0	40.2	07:20 AM - 07:25 AM	43.5	41.4
02:05 AM - 02:10 AM	41.1	40.2	04:45 AM - 04:50 AM	39.8	39.8	07:25 AM - 07:30 AM	45.9	41.1
02:10 AM - 02:15 AM	42.6	40.1	04:50 AM - 04:55 AM	40.5	39.1	07:30 AM - 07:35 AM	49.9	40.7
02:15 AM - 02:20 AM	41.8	40.3	04:55 AM - 05:00 AM	42.2	40.0	07:35 AM - 07:40 AM	47.6	41.6
02:20 AM - 02:25 AM	39.9	39.6	05:00 AM - 05:05 AM	41.0	39.6	07:40 AM - 07:45 AM	46.7	40.0
02:25 AM - 02:30 AM	45.7	40.0	05:05 AM - 05:10 AM	41.3	39.7	07:45 AM - 07:50 AM	45.5	40.2
02:30 AM - 02:35 AM	40.9	40.3	05:10 AM - 05:15 AM	45.5	40.1	07:50 AM - 07:55 AM	48.8	41.3
02:35 AM - 02:40 AM	41.4	40.7	05:15 AM - 05:20 AM	51.8	40.1	07:55 AM - 08:00 AM	48.6	41.3

Approved by _____


Sarayuth Jitranont
Assistant General Manager

TEL: +66 8 616 10 Moo 5 T. Maenam Khu A. Phakdaeng Rayong 21140 Thailand. PHONE: +66 0 3304 8555 FAX: +66 0 3304 8556
M/S LABORATORY GROUP (THAILAND) CO., LTD. An M/S Limited Company

Life Sciences **www.alsglobal.com**
RIGHT SOLUTIONS RIGHT PARTNER



Lot ID: 24110374
Date Received :Nov 06, 2024
Date Reported :Nov 11, 2024
Report Number :3161959-1

Page 1 of 3

Oct 31, 2024			Oct 31, 2024			Oct 31, 2024		
Time	Leq	L90	Time	Leq	L90	Time	Leq	L90
	dB(A)	dB(A)		dB(A)	dB(A)		dB(A)	dB(A)
04:00 PM - 04:05 PM	50.8	38.2	06:40 PM - 06:45 PM	42.7	41.0	09:20 PM - 09:25 PM	45.0	40.1
04:05 PM - 04:10 PM	42.9	36.2	06:45 PM - 06:50 PM	41.3	39.1	09:25 PM - 09:30 PM	41.9	36.9
04:10 PM - 04:15 PM	44.2	27.3	06:50 PM - 06:55 PM	43.3	40.9	09:30 PM - 09:35 PM	41.8	39.7
04:15 PM - 04:20 PM	45.1	36.8	06:55 PM - 07:00 PM	44.7	41.2	09:35 PM - 09:40 PM	47.9	42.0
04:20 PM - 04:25 PM	43.3	38.4	07:00 PM - 07:05 PM	41.4	40.7	09:40 PM - 09:45 PM	46.6	35.7
04:25 PM - 04:30 PM	42.2	39.0	07:05 PM - 07:10 PM	41.8	40.7	09:45 PM - 09:50 PM	46.3	35.6
04:30 PM - 04:35 PM	43.8	38.7	07:10 PM - 07:15 PM	42.1	39.8	09:50 PM - 09:55 PM	41.5	37.5
04:35 PM - 04:40 PM	46.7	37.5	07:15 PM - 07:20 PM	43.7	40.7	09:55 PM - 10:00 PM	40.6	39.7
04:40 PM - 04:45 PM	57.7	40.4	07:20 PM - 07:25 PM	44.0	40.9	10:00 PM - 10:05 PM	41.4	39.4
04:45 PM - 04:50 PM	62.5	40.8	07:25 PM - 07:30 PM	46.9	41.2	10:05 PM - 10:10 PM	41.8	39.6
04:50 PM - 04:55 PM	59.0	38.8	07:30 PM - 07:35 PM	47.1	40.8	10:10 PM - 10:15 PM	41.1	39.8
04:55 PM - 05:00 PM	50.2	39.8	07:35 PM - 07:40 PM	42.0	41.1	10:15 PM - 10:20 PM	43.4	40.2
04:55 PM - 05:00 PM	48.1	38.5	07:40 PM - 07:45 PM	42.1	41.0	10:20 PM - 10:25 PM	40.8	39.9
05:00 PM - 05:05 PM	49.9	36.0	07:45 PM - 07:50 PM	41.1	41.1	10:25 PM - 10:30 PM	41.7	40.8
05:05 PM - 05:10 PM	49.1	36.0	07:50 PM - 07:55 PM	43.8	41.4	10:30 PM - 10:35 PM	42.6	40.8
05:10 PM - 05:15 PM	43.6	38.8	07:55 PM - 08:00 PM	44.9	42.1	10:35 PM - 10:40 PM	52.6	40.4
05:15 PM - 05:20 PM	43.3	37.5	07:55 PM - 08:00 PM	43.8	42.1	10:40 PM - 10:45 PM	42.6	41.5
05:20 PM - 05:25 PM	41.0	35.4	08:00 PM - 08:05 PM	42.7	41.4	10:45 PM - 10:50 PM	42.6	41.5
05:25 PM - 05:30 PM	39.0	36.6	08:05 PM - 08:10 PM	42.4	40.8	10:50 PM - 10:55 PM	42.4	41.3
05:30 PM - 05:35 PM	40.8	36.5	08:10 PM - 08:15 PM	42.1	40.4	10:50 PM - 10:55 PM	41.8	40.8
05:35 PM - 05:40 PM	36.5	36.5	08:15 PM - 08:20 PM	52.3	40.8	10:55 PM - 11:00 PM	41.9	40.3
05:40 PM - 05:45 PM	68.1	37.8	08:20 PM - 08:25 PM	41.1	41.0	11:00 PM - 11:05 PM	41.5	40.5
05:45 PM - 05:50 PM	69.2	63.4	08:25 PM - 08:30 PM	46.5	41.4	11:05 PM - 11:10 PM	45.1	40.4
05:50 PM - 05:55 PM	68.1	40.6	08:30 PM - 08:35 PM	44.5	41.0	11:10 PM - 11:15 PM	43.2	40.7
05:55 PM - 06:00 PM	50.5	38.3	08:35 PM - 08:40 PM	42.4	41.0	11:15 PM - 11:20 PM	44.8	41.1
06:00 PM - 06:05 PM	41.5	36.4	08:40 PM - 08:45 PM	44.6	41.0	11:20 PM - 11:25 PM	42.4	40.5
06:05 PM - 06:10 PM	41.6	38.1	08:45 PM - 08:50 PM	48.5	40.7	11:25 PM - 11:30 PM	42.2	40.8
06:10 PM - 06:15 PM	40.5	36.8	08:50 PM - 08:55 PM	42.2	40.7	11:30 PM - 11:35 PM	42.1	40.9
06:15 PM - 06:20 PM	41.4	37.8	08:55 PM - 09:00 PM	44.1	40.7	11:35 PM - 11:40 PM	43.1	42.4
06:20 PM - 06:25 PM	42.2	38.1	09:00 PM - 09:05 PM	45.5	40.5	11:40 PM - 11:45 PM	42.4	41.7
06:25 PM - 06:30 PM	42.4	37.0	09:05 PM - 09:10 PM	46.7	40.1	11:45 PM - 11:50 PM	42.6	41.7
06:30 PM - 06:35 PM	52.1	40.3	09:10 PM - 09:15 PM	40.8	39.3	11:50 PM - 11:55 PM	42.8	41.7
06:35 PM - 06:40 PM	61.1	40.7	09:15 PM - 09:20 PM	41.0	39.4	11:55 PM - 12:00 AM	42.3	41.2

Approved by _____


Sarayuth Jirananont
Assistant General Manager

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BLS BANGKOK OFFICE LTD 11 MOON RAYONG LTD. 88 BLS Limited Bangkok

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RIGHT SOLUTIONS. RIGHT AT THE TIME.



Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161958-1

Page 3 of 3

Oct 31, 2024			Oct 31, 2024			Oct 31, 2024		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
08:00 AM - 08:05 AM	47.5	40.9	10:40 AM - 10:45 AM	48.3	41.5	01:20 PM - 01:25 PM	47.1	39.8
08:05 AM - 08:10 AM	50.9	39.8	10:45 AM - 10:50 AM	50.7	42.6	01:25 PM - 01:30 PM	45.4	40.0
08:10 AM - 08:15 AM	45.9	39.8	10:50 AM - 10:55 AM	50.5	42.9	01:30 PM - 01:35 PM	50.7	41.3
08:15 AM - 08:20 AM	46.4	39.8	10:55 AM - 11:00 AM	56.7	51.8	01:35 PM - 01:40 PM	47.7	42.0
08:20 AM - 08:25 AM	50.2	40.3	11:00 AM - 11:05 AM	56.4	51.5	01:40 PM - 01:45 PM	45.4	41.0
08:25 AM - 08:30 AM	46.2	40.4	11:05 AM - 11:10 AM	55.5	51.2	01:45 PM - 01:50 PM	46.4	41.0
08:30 AM - 08:35 AM	46.2	40.2	11:10 AM - 11:15 AM	55.6	47.7	01:50 PM - 01:55 PM	45.7	42.5
08:35 AM - 08:40 AM	46.3	40.1	11:15 AM - 11:20 AM	48.3	42.3	01:55 PM - 02:00 PM	45.7	42.5
08:40 AM - 08:45 AM	46.1	41.1	11:20 AM - 11:25 AM	46.1	42.2	02:00 PM - 02:05 PM	51.4	42.5
08:45 AM - 08:50 AM	48.1	41.1	11:25 AM - 11:30 AM	44.4	40.4	02:05 PM - 02:10 PM	44.2	40.0
08:50 AM - 08:55 AM	48.1	41.7	11:30 AM - 11:35 AM	53.8	41.9	02:10 PM - 02:15 PM	45.9	42.2
08:55 AM - 09:00 AM	50.0	41.0	11:35 AM - 11:40 AM	55.7	51.0	02:15 PM - 02:20 PM	49.4	42.6
09:00 AM - 09:05 AM	49.4	41.0	11:40 AM - 11:45 AM	49.6	39.7	02:20 PM - 02:25 PM	51.8	42.4
09:05 AM - 09:10 AM	51.5	41.5	11:45 AM - 11:50 AM	50.9	40.8	02:25 PM - 02:30 PM	48.0	43.5
09:10 AM - 09:15 AM	52.0	41.5	11:50 AM - 11:55 AM	43.7	38.4	02:30 PM - 02:35 PM	47.4	43.6
09:15 AM - 09:20 AM	52.0	41.8	11:55 AM - 12:00 PM	49.2	41.5	02:35 PM - 02:40 PM	47.4	43.6
09:20 AM - 09:25 AM	52.1	44.5	12:00 PM - 12:05 PM	46.7	42.1	02:40 PM - 02:45 PM	44.5	39.5
09:25 AM - 09:30 AM	51.3	42.6	12:05 PM - 12:10 PM	47.9	41.5	02:45 PM - 02:50 PM	41.6	38.0
09:30 AM - 09:35 AM	46.7	42.7	12:10 PM - 12:15 PM	45.3	40.2	02:50 PM - 02:55 PM	48.7	38.9
09:35 AM - 09:40 AM	63.2	41.5	12:15 PM - 12:20 PM	46.2	39.3	02:55 PM - 03:00 PM	48.6	39.5
09:40 AM - 09:45 AM	48.5	42.7	12:20 PM - 12:25 PM	49.9	40.3	03:00 PM - 03:05 PM	46.5	38.2
09:45 AM - 09:50 AM	48.5	41.6	12:25 PM - 12:30 PM	46.1	35.5	03:05 PM - 03:10 PM	46.5	38.2
09:50 AM - 09:55 AM	49.9	42.9	12:30 PM - 12:35 PM	41.8	35.0	03:10 PM - 03:15 PM	47.2	38.2
09:55 AM - 10:00 AM	48.7	40.7	12:35 PM - 12:40 PM	48.6	36.1	03:15 PM - 03:20 PM	46.6	38.3
10:00 AM - 10:05 AM	52.0	41.5	12:40 PM - 12:45 PM	46.4	36.8	03:20 PM - 03:25 PM	45.0	39.5
10:05 AM - 10:10 AM	47.7	40.8	12:45 PM - 12:50 PM	44.5	35.7	03:25 PM - 03:30 PM	45.1	39.0
10:10 AM - 10:15 AM	45.7	38.6	12:50 PM - 12:55 PM	42.8	36.7	03:30 PM - 03:35 PM	44.1	39.0
10:15 AM - 10:20 AM	52.1	42.0	12:55 PM - 01:00 PM	42.0	36.2	03:35 PM - 03:40 PM	46.2	38.2
10:20 AM - 10:25 AM	47.2	40.1	01:00 PM - 01:05 PM	44.1	41.2	03:40 PM - 03:45 PM	46.2	38.2
10:25 AM - 10:30 AM	47.1	42.3	01:05 PM - 01:10 PM	49.6	44.0	03:45 PM - 03:50 PM	46.7	38.2
10:30 AM - 10:35 AM	46.5	42.3	01:10 PM - 01:15 PM	47.3	41.1	03:50 PM - 03:55 PM	49.1	37.8
10:35 AM - 10:40 AM	46.5	42.4	01:15 PM - 01:20 PM	44.3	39.1	03:55 PM - 04:00 PM	49.3	38.0

Approved by _____

Sarayuth Jittanont
Assistant General Manager

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 AIS (A11-85) STORY GROUP (THAILAND) PCL. LTD. an AIS related Company

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Lot ID: 24110374
Date Received :Nov 06, 2024
Date Reported :Nov 11, 2024
Report Number :3161959-1

Page 2 of 2

Nov 01, 2024		L90		Nov 01, 2024		L90		Nov 01, 2024		L90	
Time	Leq	#(A)	#(B)	Time	Leq	#(A)	#(B)	Time	Leq	#(A)	#(B)
12:00 AM - 12:05 AM	42.2	40.8	02:40 AM - 02:45 AM	39.9	38.5	05:20 AM - 05:25 AM	39.4	05:20 AM - 05:25 AM	39.4	37.9	37.9
12:05 AM - 12:10 AM	41.5	40.7	02:45 AM - 02:50 AM	40.8	39.2	05:25 AM - 05:30 AM	40.9	05:25 AM - 05:30 AM	40.9	37.7	37.7
12:10 AM - 12:15 AM	42.2	40.7	02:50 AM - 02:55 AM	39.7	38.5	05:30 AM - 05:35 AM	39.9	05:30 AM - 05:35 AM	39.9	37.9	37.9
12:15 AM - 12:20 AM	46.8	40.1	02:55 AM - 03:00 AM	39.7	38.8	05:35 AM - 05:40 AM	45.6	05:35 AM - 05:40 AM	45.6	38.8	38.8
12:20 AM - 12:25 AM	43.8	40.4	03:00 AM - 03:05 AM	40.4	38.8	05:40 AM - 05:45 AM	40.0	05:40 AM - 05:45 AM	40.0	38.4	38.4
12:25 AM - 12:30 AM	42.6	40.7	03:05 AM - 03:10 AM	39.9	37.0	05:45 AM - 05:50 AM	46.1	05:45 AM - 05:50 AM	46.1	40.0	40.0
12:30 AM - 12:35 AM	41.2	40.2	03:10 AM - 03:15 AM	40.5	39.0	05:50 AM - 05:55 AM	41.9	05:50 AM - 05:55 AM	41.9	40.8	40.8
12:35 AM - 12:40 AM	41.5	39.8	03:15 AM - 03:20 AM	38.8	37.7	05:55 AM - 06:00 AM	43.8	05:55 AM - 06:00 AM	43.8	40.5	40.5
12:40 AM - 12:45 AM	41.8	40.8	03:20 AM - 03:25 AM	38.8	37.9	06:00 AM - 06:05 AM	45.8	06:00 AM - 06:05 AM	45.8	40.6	40.6
12:45 AM - 12:50 AM	40.9	39.6	03:25 AM - 03:30 AM	39.4	38.5	06:05 AM - 06:10 AM	44.4	06:05 AM - 06:10 AM	44.4	40.4	40.4
12:50 AM - 12:55 AM	40.7	39.6	03:30 AM - 03:35 AM	37.9	37.0	06:10 AM - 06:15 AM	40.9	06:10 AM - 06:15 AM	40.9	40.4	40.4
12:55 AM - 01:00 AM	40.2	39.1	03:35 AM - 03:40 AM	40.8	38.5	06:15 AM - 06:20 AM	48.3	06:15 AM - 06:20 AM	48.3	40.6	40.6
01:00 AM - 01:05 AM	46.5	39.8	03:40 AM - 03:45 AM	39.0	37.9	06:20 AM - 06:25 AM	47.1	06:20 AM - 06:25 AM	47.1	41.0	41.0
01:05 AM - 01:10 AM	39.5	38.8	03:45 AM - 03:50 AM	38.9	37.1	06:25 AM - 06:30 AM	46.2	06:25 AM - 06:30 AM	46.2	40.8	40.8
01:10 AM - 01:15 AM	45.4	39.3	03:50 AM - 03:55 AM	39.7	37.2	06:30 AM - 06:35 AM	47.9	06:30 AM - 06:35 AM	47.9	40.8	40.8
01:15 AM - 01:20 AM	40.0	38.5	03:55 AM - 04:00 AM	39.8	38.8	06:35 AM - 06:40 AM	46.7	06:35 AM - 06:40 AM	46.7	40.7	40.7
01:20 AM - 01:25 AM	41.4	38.4	04:00 AM - 04:05 AM	40.2	39.5	06:40 AM - 06:45 AM	48.1	06:40 AM - 06:45 AM	48.1	40.8	40.8
01:25 AM - 01:30 AM	39.3	38.7	04:05 AM - 04:10 AM	42.2	38.7	06:45 AM - 06:50 AM	49.1	06:45 AM - 06:50 AM	49.1	41.0	41.0
01:30 AM - 01:35 AM	41.0	38.5	04:10 AM - 04:15 AM	38.2	37.4	06:50 AM - 06:55 AM	50.0	06:50 AM - 06:55 AM	50.0	42.4	42.4
01:35 AM - 01:40 AM	40.0	38.0	04:15 AM - 04:20 AM	39.9	37.8	06:55 AM - 07:00 AM	51.6	06:55 AM - 07:00 AM	51.6	42.8	42.8
01:40 AM - 01:45 AM	39.9	39.0	04:20 AM - 04:25 AM	40.2	38.9	07:00 AM - 07:05 AM	45.2	07:00 AM - 07:05 AM	45.2	41.7	41.7
01:45 AM - 01:50 AM	39.4	38.5	04:25 AM - 04:30 AM	38.2	37.3	07:05 AM - 07:10 AM	46.5	07:05 AM - 07:10 AM	46.5	40.7	40.7
01:50 AM - 01:55 AM	39.7	38.6	04:30 AM - 04:35 AM	38.1	37.2	07:10 AM - 07:15 AM	47.5	07:10 AM - 07:15 AM	47.5	41.7	41.7
01:55 AM - 02:00 AM	39.0	38.0	04:35 AM - 04:40 AM	39.3	37.2	07:15 AM - 07:20 AM	45.9	07:15 AM - 07:20 AM	45.9	42.2	42.2
02:00 AM - 02:05 AM	43.3	38.2	04:40 AM - 04:45 AM	39.1	38.5	07:20 AM - 07:25 AM	53.3	07:20 AM - 07:25 AM	53.3	43.7	43.7
02:05 AM - 02:10 AM	38.8	38.6	04:45 AM - 04:50 AM	40.1	38.7	07:25 AM - 07:30 AM	51.8	07:25 AM - 07:30 AM	51.8	42.7	42.7
02:10 AM - 02:15 AM	39.9	39.0	04:50 AM - 04:55 AM	40.8	37.8	07:30 AM - 07:35 AM	49.4	07:30 AM - 07:35 AM	49.4	42.3	42.3
02:15 AM - 02:20 AM	40.3	39.6	04:55 AM - 05:00 AM	40.2	37.8	07:35 AM - 07:40 AM	47.8	07:35 AM - 07:40 AM	47.8	42.1	42.1
02:20 AM - 02:25 AM	39.8	39.8	05:00 AM - 05:05 AM	38.3	37.1	07:40 AM - 07:45 AM	49.6	07:40 AM - 07:45 AM	49.6	41.6	41.6
02:25 AM - 02:30 AM	40.2	39.5	05:05 AM - 05:10 AM	38.0	37.2	07:45 AM - 07:50 AM	51.3	07:45 AM - 07:50 AM	51.3	41.9	41.9
02:30 AM - 02:35 AM	39.9	38.8	05:10 AM - 05:15 AM	40.3	37.6	07:50 AM - 07:55 AM	50.3	07:50 AM - 07:55 AM	50.3	41.6	41.6
02:35 AM - 02:40 AM	39.8	38.8	05:15 AM - 05:20 AM	40.0	37.6	07:55 AM - 08:00 AM	50.3	07:55 AM - 08:00 AM	50.3	42.2	42.2

Acknowledgements


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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, 11ththai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :
Page 3 of 3

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161960-1

Sample Number : 24110374-27
Parameter : Noise Level (Leq 5 min)
Location : N4 : ถนนพหลโยธิน/ถนนพหลโยธิน 5
Measurement Date : Oct 31 - Nov 01, 2024
Measurement by : Santi Chaichana
Sound Level meter : Serial No. 00233183

Nov 01, 2024			Nov 01, 2024			Nov 01, 2024		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
08:00 AM - 08:05 AM	45.6	40.4	10:40 AM - 10:45 AM	50.6	42.7	01:20 PM - 01:25 PM	47.7	40.8
08:05 AM - 08:10 AM	46.2	40.3	10:45 AM - 10:50 AM	45.2	41.1	01:25 PM - 01:30 PM	45.9	39.9
08:10 AM - 08:15 AM	44.8	41.1	10:50 AM - 10:55 AM	40.1	41.8	01:30 PM - 01:35 PM	47.3	40.7
08:15 AM - 08:20 AM	46.0	41.2	10:55 AM - 11:00 AM	50.1	40.2	01:35 PM - 01:40 PM	48.8	40.0
08:20 AM - 08:25 AM	48.8	41.5	11:00 AM - 11:05 AM	56.0	42.2	01:40 PM - 01:45 PM	49.2	39.9
08:25 AM - 08:30 AM	45.3	39.8	11:05 AM - 11:10 AM	67.7	46.2	01:45 PM - 01:50 PM	45.0	40.7
08:30 AM - 08:35 AM	47.2	41.1	11:10 AM - 11:15 AM	47.0	41.1	01:50 PM - 01:55 PM	50.0	39.4
08:35 AM - 08:40 AM	50.1	42.7	11:15 AM - 11:20 AM	46.5	40.2	01:55 PM - 02:00 PM	47.7	40.4
08:40 AM - 08:45 AM	50.9	43.0	11:20 AM - 11:25 AM	47.1	40.0	02:00 PM - 02:05 PM	45.4	41.3
08:45 AM - 08:50 AM	48.1	43.6	11:25 AM - 11:30 AM	48.7	39.6	02:05 PM - 02:10 PM	47.5	42.2
08:50 AM - 08:55 AM	44.9	41.0	11:30 AM - 11:35 AM	46.7	40.1	02:10 PM - 02:15 PM	48.6	42.3
08:55 AM - 09:00 AM	46.1	40.9	11:35 AM - 11:40 AM	45.0	39.3	02:15 PM - 02:20 PM	48.6	40.9
09:00 AM - 09:05 AM	45.4	38.3	11:40 AM - 11:45 AM	45.1	40.8	02:20 PM - 02:25 PM	51.1	42.8
09:05 AM - 09:10 AM	47.7	39.8	11:45 AM - 11:50 AM	44.1	39.7	02:25 PM - 02:30 PM	48.6	39.7
09:10 AM - 09:15 AM	48.6	40.7	11:50 AM - 11:55 AM	47.9	39.3	02:30 PM - 02:35 PM	46.5	38.7
09:15 AM - 09:20 AM	45.4	39.6	11:55 AM - 12:00 PM	42.2	37.2	02:35 PM - 02:40 PM	50.1	39.5
09:20 AM - 09:25 AM	48.7	40.1	12:00 PM - 12:05 PM	48.2	38.9	02:40 PM - 02:45 PM	49.4	39.4
09:25 AM - 09:30 AM	49.4	42.5	12:05 PM - 12:10 PM	45.1	38.7	02:45 PM - 02:50 PM	41.2	39.3
09:30 AM - 09:35 AM	49.2	42.6	12:10 PM - 12:15 PM	41.4	38.0	02:50 PM - 02:55 PM	45.9	40.1
09:35 AM - 09:40 AM	48.8	40.9	12:15 PM - 12:20 PM	44.4	37.3	02:55 PM - 03:00 PM	44.3	38.2
09:40 AM - 09:45 AM	50.2	41.2	12:20 PM - 12:25 PM	43.0	37.4	03:00 PM - 03:05 PM	42.9	39.0
09:45 AM - 09:50 AM	50.0	41.4	12:25 PM - 12:30 PM	47.9	38.2	03:05 PM - 03:10 PM	43.5	38.4
09:50 AM - 09:55 AM	47.6	39.8	12:30 PM - 12:35 PM	47.3	38.3	03:10 PM - 03:15 PM	45.7	39.0
09:55 AM - 10:00 AM	49.0	39.8	12:35 PM - 12:40 PM	50.3	39.9	03:15 PM - 03:20 PM	42.2	38.9
10:00 AM - 10:05 AM	45.9	38.3	12:40 PM - 12:45 PM	44.0	39.2	03:20 PM - 03:25 PM	48.5	41.9
10:05 AM - 10:10 AM	44.7	40.8	12:45 PM - 12:50 PM	49.8	36.7	03:25 PM - 03:30 PM	49.7	41.0
10:10 AM - 10:15 AM	48.7	40.2	12:50 PM - 12:55 PM	40.6	37.6	03:30 PM - 03:35 PM	50.6	40.6
10:15 AM - 10:20 AM	47.3	40.1	12:55 PM - 01:00 PM	45.2	38.4	03:35 PM - 03:40 PM	48.8	42.1
10:20 AM - 10:25 AM	44.7	39.7	01:00 PM - 01:05 PM	43.3	38.4	03:40 PM - 03:45 PM	55.5	41.0
10:25 AM - 10:30 AM	44.9	39.8	01:05 PM - 01:10 PM	43.9	38.0	03:45 PM - 03:50 PM	47.2	41.0
10:30 AM - 10:35 AM	45.8	41.5	01:10 PM - 01:15 PM	53.7	40.3	03:50 PM - 03:55 PM	56.6	41.0
10:35 AM - 10:40 AM	49.3	43.3	01:15 PM - 01:20 PM	44.2	40.7	03:55 PM - 04:00 PM	54.4	42.4

The above results are valid only for the analytical method specified in the report. The results are not valid for any other method or equipment used without written consent from the laboratory. ALS Lab is not responsible for any damage or loss of data or equipment caused by the use of the equipment or the results of the analysis.

Approved by

Saranyut Jitranont
Assistant General Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Phukdang Rayong 21140 Thailand. P: 09-466 0 3304 B: 09-466 0 3304 F: 09-466 0 3304 E: info@alsglobal.com



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, 11ththai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :
Page 2 of 3

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161960-1

Sample Number : 24110374-28
Parameter : Noise Level (Leq 5 min)
Location : N4 : ถนนพหลโยธิน/ถนนพหลโยธิน 5
Measurement Date : Nov 01 - Nov 02, 2024
Measurement by : Santi Chaichana
Sound Level meter : Serial No. 00233183

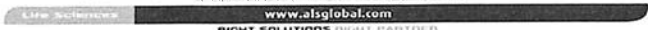
Nov 02, 2024			Nov 02, 2024			Nov 02, 2024		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
12:00 AM - 12:05 AM	42.4	41.8	02:40 AM - 02:45 AM	41.2	40.3	05:20 AM - 05:25 AM	48.3	39.5
12:05 AM - 12:10 AM	42.8	41.8	02:45 AM - 02:50 AM	40.4	39.9	05:25 AM - 05:30 AM	41.0	39.6
12:10 AM - 12:15 AM	42.4	41.6	02:50 AM - 02:55 AM	40.9	40.2	05:30 AM - 05:35 AM	41.0	39.5
12:15 AM - 12:20 AM	42.3	41.7	02:55 AM - 03:00 AM	41.4	40.1	05:35 AM - 05:40 AM	40.5	39.3
12:20 AM - 12:25 AM	42.5	41.9	03:00 AM - 03:05 AM	41.3	40.5	05:40 AM - 05:45 AM	46.1	39.7
12:25 AM - 12:30 AM	41.8	41.2	03:05 AM - 03:10 AM	41.2	40.3	05:45 AM - 05:50 AM	46.7	39.9
12:30 AM - 12:35 AM	41.5	40.9	03:10 AM - 03:15 AM	40.6	40.0	05:50 AM - 05:55 AM	46.0	40.0
12:35 AM - 12:40 AM	44.9	42.1	03:15 AM - 03:20 AM	42.9	40.3	05:55 AM - 06:00 AM	43.0	39.8
12:40 AM - 12:45 AM	52.6	41.6	03:20 AM - 03:25 AM	48.6	40.2	06:00 AM - 06:05 AM	53.2	40.2
12:45 AM - 12:50 AM	51.8	41.4	03:25 AM - 03:30 AM	47.8	40.7	06:05 AM - 06:10 AM	46.6	40.2
12:50 AM - 12:55 AM	42.8	41.1	03:30 AM - 03:35 AM	41.6	40.9	06:10 AM - 06:15 AM	43.7	40.2
12:55 AM - 01:00 AM	45.0	40.9	03:35 AM - 03:40 AM	41.0	39.9	06:15 AM - 06:20 AM	43.9	40.9
01:00 AM - 01:05 AM	43.3	40.9	03:40 AM - 03:45 AM	40.3	39.9	06:20 AM - 06:25 AM	43.3	40.1
01:05 AM - 01:10 AM	44.3	41.7	03:45 AM - 03:50 AM	42.2	39.7	06:25 AM - 06:30 AM	43.7	40.2
01:10 AM - 01:15 AM	46.2	41.1	03:50 AM - 03:55 AM	43.3	39.9	06:30 AM - 06:35 AM	44.6	40.0
01:15 AM - 01:20 AM	42.2	40.4	03:55 AM - 04:00 AM	40.1	39.4	06:35 AM - 06:40 AM	46.4	40.5
01:20 AM - 01:25 AM	41.5	40.2	04:00 AM - 04:05 AM	40.0	39.4	06:40 AM - 06:45 AM	48.1	40.6
01:25 AM - 01:30 AM	40.7	40.0	04:05 AM - 04:10 AM	52.4	39.6	06:45 AM - 06:50 AM	47.6	43.0
01:30 AM - 01:35 AM	40.7	40.1	04:10 AM - 04:15 AM	56.9	40.0	06:50 AM - 06:55 AM	50.3	43.9
01:35 AM - 01:40 AM	40.8	40.2	04:15 AM - 04:20 AM	54.2	39.6	06:55 AM - 07:00 AM	49.0	43.2
01:40 AM - 01:45 AM	40.5	39.8	04:20 AM - 04:25 AM	50.5	39.4	07:00 AM - 07:05 AM	47.1	43.5
01:45 AM - 01:50 AM	41.1	40.0	04:25 AM - 04:30 AM	40.3	39.3	07:05 AM - 07:10 AM	50.4	43.3
01:50 AM - 01:55 AM	42.5	39.9	04:30 AM - 04:35 AM	40.0	39.8	07:10 AM - 07:15 AM	48.4	43.7
01:55 AM - 02:00 AM	40.9	40.2	04:35 AM - 04:40 AM	41.1	39.5	07:15 AM - 07:20 AM	49.4	44.0
02:00 AM - 02:05 AM	40.7	40.1	04:40 AM - 04:45 AM	41.0	40.0	07:20 AM - 07:25 AM	52.7	44.3
02:05 AM - 02:10 AM	41.0	40.2	04:45 AM - 04:50 AM	41.5	40.3	07:25 AM - 07:30 AM	48.8	43.1
02:10 AM - 02:15 AM	40.7	40.1	04:50 AM - 04:55 AM	42.2	41.2	07:30 AM - 07:35 AM	50.4	44.3
02:15 AM - 02:20 AM	41.1	40.2	04:55 AM - 05:00 AM	41.9	40.9	07:35 AM - 07:40 AM	49.8	45.1
02:20 AM - 02:25 AM	41.0	40.4	05:00 AM - 05:05 AM	45.0	40.8	07:40 AM - 07:45 AM	51.6	45.3
02:25 AM - 02:30 AM	41.2	40.3	05:05 AM - 05:10 AM	49.7	39.6	07:45 AM - 07:50 AM	49.3	45.0
02:30 AM - 02:35 AM	41.4	40.4	05:10 AM - 05:15 AM	40.8	39.2	07:50 AM - 07:55 AM	51.5	45.0
02:35 AM - 02:40 AM	41.9	40.4	05:15 AM - 05:20 AM	40.7	39.2	07:55 AM - 08:00 AM	53.9	45.0

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Approved by

Saranyut Jitranont
Assistant General Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Phukdang Rayong 21140 Thailand. P: 09-466 0 3304 B: 09-466 0 3304 F: 09-466 0 3304 E: info@alsglobal.com



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, 11ththai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :
Page 1 of 3

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161960-1

Sample Number : 24110374-28
Parameter : Noise Level (Leq 5 min)
Location : N4 : ถนนพหลโยธิน/ถนนพหลโยธิน 5
Measurement Date : Nov 01 - Nov 02, 2024
Measurement by : Santi Chaichana
Sound Level meter : Serial No. 00233183

Nov 01, 2024			Nov 01, 2024			Nov 01, 2024		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
04:00 PM - 04:05 PM	51.6	40.4	06:40 PM - 06:45 PM	43.3	41.8	09:10 PM - 09:15 PM	45.8	43.1
04:05 PM - 04:10 PM	49.7	41.9	06:45 PM - 06:50 PM	49.4	41.8	09:15 PM - 09:20 PM	45.9	42.1
04:10 PM - 04:15 PM	47.8	41.3	06:50 PM - 06:55 PM	50.1	42.0	09:20 PM - 09:25 PM	49.0	42.5
04:15 PM - 04:20 PM	47.8	42.6	06:55 PM - 07:00 PM	53.0	41.6	09:25 PM - 09:30 PM	44.9	42.9
04:20 PM - 04:25 PM	48.0	42.1	07:00 PM - 07:05 PM	44.8	42.0	09:30 PM - 09:35 PM	44.4	42.8
04:25 PM - 04:30 PM	46.9	42.0	07:05 PM - 07:10 PM	44.3	42.5	09:35 PM - 09:40 PM	44.2	42.0
04:30 PM - 04:35 PM	53.1	41.0	07:10 PM - 07:15 PM	44.1	42.4	09:40 PM - 09:45 PM	45.4	41.7
04:35 PM - 04:40 PM	49.0	43.2	07:15 PM - 07:20 PM	44.1	41.8	09:45 PM - 09:50 PM	45.8	41.1
04:40 PM - 04:45 PM	45.8	41.9	07:20 PM - 07:25 PM	45.7	41.5	09:50 PM - 09:55 PM	47.3	40.7
04:45 PM - 04:50 PM	50.7	41.9	07:25 PM - 07:30 PM	42.2	41.2	09:55 PM - 10:00 PM	52.5	40.6
04:50 PM - 04:55 PM	49.3	41.7	07:30 PM - 07:35 PM	43.6	42.6	10:00 PM - 10:05 PM	53.4	40.7
04:55 PM - 05:00 PM	50.2	41.1	07:35 PM - 07:40 PM	45.5	42.0	10:05 PM - 10:10 PM	42.0	42.0
05:00 PM - 05:05 PM	47.6	40.9	07:40 PM - 07:45 PM	44.5	42.5	10:10 PM - 10:15 PM	42.5	41.8
05:05 PM - 05:10 PM	47.0	41.1	07:45 PM - 07:50 PM	43.2	42.3	10:15 PM - 10:20 PM	42.6	41.6
05:10 PM - 05:15 PM	47.9	42.2	07:50 PM - 07:55 PM	47.2	42.2	10:20 PM - 10:25 PM	42.5	41.8
05:15 PM - 05:20 PM	48.4	41.9	07:55 PM - 08:00 PM	44.1	42.9	10:25 PM - 10:30 PM	42.6	41.7
05:20 PM - 05:25 PM	48.0	42.6	08:00 PM - 08:05 PM	45.1	44.0	10:30 PM - 10:35 PM	45.2	41.9
05:25 PM - 05:30 PM	46.5	41.3	08:05 PM - 08:10 PM	44.0	42.8	10:35 PM - 10:40 PM	42.5	41.7
05:30 PM - 05:35 PM	44.9	40.5	08:10 PM - 08:15 PM	44.0	42.4	10:40 PM - 10:45 PM	54.0	41.5
05:35 PM - 05:40 PM	44.7	40.5	08:15 PM - 08:20 PM	44.3	43.0	10:45 PM - 10:50 PM	53.9	42.2
05:40 PM - 05:45 PM	46.3	42.2	08:20 PM - 08:25 PM	43.	42.3	10:50 PM - 10:55 PM	42.7	41.9
05:45 PM - 05:50 PM	46.5	42.1	08:25 PM - 08:30 PM	45.1	44.0	10:55 PM - 11:00 PM	42.2	41.8
05:50 PM - 05:55 PM	49.5	39.8	08:30 PM - 08:35 PM	44.8	42.6	11:00 PM - 11:05 PM	42.6	41.2
05:55 PM - 06:00 PM	51.4	38.8	08:35 PM - 08:40 PM	45.6	41.8	11:05 PM - 11:20 PM	42.0	41.6
06:00 PM - 06:05 PM	52.0	46.6	08:40 PM - 08:45 PM	48.3	49.9	11:20 PM - 11:25 PM	42.8	41.3
06:05 PM - 06:10 PM	51.6	48.4	08:45 PM - 08:50 PM	46.5	46.6	11:25 PM - 11:30 PM	42.3	41.5
06:10 PM - 06:15 PM	51.1	60.4	08:50 PM - 08:55 PM	50.0	44.1	11:30 PM - 11:35 PM	42.2	41.4
06:15 PM - 06:20 PM	51.2	60.8	08:55 PM - 09:00 PM	50.9	43.1	11:35 PM - 11:40 PM	42.7	41.3
06:20 PM - 06:25 PM	51.0	61.0	09:00 PM - 09:05 PM	50.6	44.1	11:40 PM - 11:45 PM	42.6	41.8
06:25 PM - 06:30 PM	60.8	43.3	09:05 PM - 09:10 PM	45.3	43.6	11:45 PM - 11:50 PM	42.1	41.0
06:30 PM - 06:35 PM	44.4	41.1	09:10 PM - 09:15 PM	47.0	41.9	11:50 PM - 11:55 PM	41.8	41.2
06:35 PM - 06:40 PM	42.7	41.1	09:15 PM - 09:20 PM	50.0	42.9	11:55 PM - 12:00 AM	42.4	41.9



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161961-1

Sample Number				24110374-29			
Parameter				Noise Level (Leq 5 min)			
Location				NS : วัดพื้นที่ (u.2 ระดับพื้นดิน)			
Measurement Date				Oct 26 - Oct 27, 2024			
Measurement by				Sanit Chachana			
Sound Level meter				Serial No. 01222716			
Oct 26, 2024				Oct 26, 2024			
Time				Time			
Leq				Leq			
dB(A)				dB(A)			
03:00 PM - 03:05 PM	58.7	38.8		05:40 PM - 05:45 PM	46.2	44.9	
03:05 PM - 03:10 PM	43.8	39.3		05:45 PM - 05:50 PM	47.0	45.8	
03:10 PM - 03:15 PM	46.1	39.6		05:50 PM - 05:55 PM	47.2	46.2	
03:15 PM - 03:20 PM	44.3	37.3		05:55 PM - 06:00 PM	48.2	47.5	
03:20 PM - 03:25 PM	48.1	38.1		06:00 PM - 06:05 PM	48.9	48.1	
03:25 PM - 03:30 PM	39.7	37.8		06:05 PM - 06:10 PM	49.6	48.8	
03:30 PM - 03:35 PM	43.9	38.4		06:10 PM - 06:15 PM	50.0	49.0	
03:35 PM - 03:40 PM	39.1	38.0		06:15 PM - 06:20 PM	50.3	49.1	
03:40 PM - 03:45 PM	39.5	38.6		06:20 PM - 06:25 PM	50.5	49.8	
03:45 PM - 03:50 PM	45.4	39.3		06:25 PM - 06:30 PM	50.2	49.6	
03:50 PM - 03:55 PM	41.8	39.2		06:30 PM - 06:35 PM	50.6	49.7	
03:55 PM - 04:00 PM	52.0	39.8		06:35 PM - 06:40 PM	51.0	50.4	
04:00 PM - 04:05 PM	52.4	38.5		06:40 PM - 06:45 PM	50.9	50.2	
04:05 PM - 04:10 PM	41.0	38.7		06:45 PM - 06:50 PM	50.9	50.3	
04:10 PM - 04:15 PM	40.1	38.6		06:50 PM - 06:55 PM	50.6	49.9	
04:15 PM - 04:20 PM	40.3	38.8		06:55 PM - 07:00 PM	51.0	50.5	
04:20 PM - 04:25 PM	40.5	38.8		07:00 PM - 07:05 PM	50.7	50.0	
04:25 PM - 04:30 PM	40.2	39.0		07:05 PM - 07:10 PM	50.9	50.2	
04:30 PM - 04:35 PM	40.6	39.5		07:10 PM - 07:15 PM	51.8	50.9	
04:35 PM - 04:40 PM	42.9	39.5		07:15 PM - 07:20 PM	52.1	51.4	
04:40 PM - 04:45 PM	44.2	39.5		07:20 PM - 07:25 PM	52.1	51.3	
04:45 PM - 04:50 PM	41.6	40.1		07:25 PM - 07:30 PM	52.6	51.8	
04:50 PM - 04:55 PM	41.1	39.8		07:30 PM - 07:35 PM	52.2	52.3	
04:55 PM - 05:00 PM	41.2	40.3		07:35 PM - 07:40 PM	52.7	51.8	
05:00 PM - 05:05 PM	41.1	40.4		07:40 PM - 07:45 PM	53.1	52.0	
05:05 PM - 05:10 PM	41.7	40.8		07:45 PM - 07:50 PM	53.1	52.2	
05:10 PM - 05:15 PM	41.5	40.6		07:50 PM - 07:55 PM	52.7	52.5	
05:15 PM - 05:20 PM	42.4	40.5		07:55 PM - 08:00 PM	53.3	52.1	
05:20 PM - 05:25 PM	46.3	41.8		08:00 PM - 08:05 PM	54.5	53.3	
05:25 PM - 05:30 PM	44.1	42.5		08:05 PM - 08:10 PM	52.4	51.8	
05:30 PM - 05:35 PM	44.5	43.1		08:10 PM - 08:15 PM	54.5	53.5	
05:35 PM - 05:40 PM	44.7	43.6		08:15 PM - 08:20 PM	54.6	53.6	

Approved by

Sarayu Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161961-1

Sample Number				24110374-29			
Parameter				Noise Level (Leq 5 min)			
Location				NS : วัดพื้นที่ (u.2 ระดับพื้นดิน)			
Measurement Date				Oct 26 - Oct 27, 2024			
Measurement by				Sanit Chachana			
Sound Level meter				Serial No. 01222716			
Oct 27, 2024				Oct 27, 2024			
Time				Time			
Leq				Leq			
dB(A)				dB(A)			
07:00 AM - 07:05 AM	48.4	40.4		09:40 AM - 09:45 AM	41.4	39.8	
07:05 AM - 07:10 AM	42.5	39.1		09:45 AM - 09:50 AM	41.0	41.1	
07:10 AM - 07:15 AM	43.1	38.4		09:50 AM - 09:55 AM	43.9	38.5	
07:15 AM - 07:20 AM	41.4	38.0		09:55 AM - 10:00 AM	42.7	39.9	
07:20 AM - 07:25 AM	40.4	38.6		10:00 AM - 10:05 AM	42.2	39.7	
07:25 AM - 07:30 AM	45.8	40.5		10:05 AM - 10:10 AM	42.3	40.0	
07:30 AM - 07:35 AM	44.4	41.4		10:10 AM - 10:15 AM	42.2	40.6	
07:35 AM - 07:40 AM	44.7	41.6		10:15 AM - 10:20 AM	41.8	40.1	
07:40 AM - 07:45 AM	42.0	40.0		10:20 AM - 10:25 AM	44.0	40.3	
07:45 AM - 07:50 AM	42.3	39.1		10:25 AM - 10:30 AM	44.0	40.9	
07:50 AM - 07:55 AM	46.3	39.8		10:30 AM - 10:35 AM	42.4	39.8	
07:55 AM - 08:00 AM	48.3	41.9		10:35 AM - 10:40 AM	42.1	39.9	
08:00 AM - 08:05 AM	41.6	40.1		10:40 AM - 10:45 AM	41.9	39.4	
08:05 AM - 08:10 AM	41.2	39.7		10:45 AM - 10:50 AM	41.8	40.5	
08:10 AM - 08:15 AM	44.2	40.7		10:50 AM - 10:55 AM	42.3	39.7	
08:15 AM - 08:20 AM	44.4	41.5		10:55 AM - 11:00 AM	42.3	39.7	
08:20 AM - 08:25 AM	49.4	42.4		11:00 AM - 11:05 AM	42.4	39.2	
08:25 AM - 08:30 AM	42.7	39.8		11:05 AM - 11:10 AM	42.3	39.5	
08:30 AM - 08:35 AM	42.2	39.6		11:10 AM - 11:15 AM	43.5	40.7	
08:35 AM - 08:40 AM	44.5	40.5		11:15 AM - 11:20 AM	42.3	39.4	
08:40 AM - 08:45 AM	43.5	41.4		11:20 AM - 11:25 AM	40.7	38.4	
08:45 AM - 08:50 AM	43.6	40.4		11:25 AM - 11:30 AM	41.7	40.2	
08:50 AM - 08:55 AM	41.1	41.7		11:30 AM - 11:35 AM	41.1	39.2	
08:55 AM - 09:00 AM	42.6	40.3		11:35 AM - 11:40 AM	42.0	39.3	
09:00 AM - 09:05 AM	49.8	41.8		11:40 AM - 11:45 AM	41.2	39.1	
09:05 AM - 09:10 AM	44.0	41.4		11:45 AM - 11:50 AM	40.5	37.8	
09:10 AM - 09:15 AM	41.9	39.7		11:50 AM - 11:55 AM	41.1	38.6	
09:15 AM - 09:20 AM	42.9	40.0		11:55 AM - 12:00 PM	39.5	35.9	
09:20 AM - 09:25 AM	46.1	41.7		12:00 PM - 12:05 PM	40.3	37.3	
09:25 AM - 09:30 AM	42.5	40.5		12:05 PM - 12:10 PM	41.2	38.5	
09:30 AM - 09:35 AM	42.9	40.7		12:10 PM - 12:15 PM	38.6	37.0	
09:35 AM - 09:40 AM	41.0	40.9		12:15 PM - 12:20 PM	40.0	38.2	

Approved by

Sarayu Jitranont
Assistant General Manager

Address: 616/10 Moo 5 T. Maenam Khu A. Phakdangrayong 21140 Thailand. Phone: +66 0 3304 8555 Fax: +66 0 3304 8556

Life Sciences www.alsglobal.com RIGHT SOLUTIONS. RIGHT PROBLEMS.



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161961-1

Sample Number		24110374-29					
Parameter		Noise Level (Leq 5 min)					
Location		NS : ทรัพย์สินทาง (u.2 ระดับพื้นดิน)					
Measurement Date		Oct 26 - Oct 27, 2024					
Measurement by		Sanit Chachana					
Sound Level meter		Serial No. 01222716					
Oct 26 - Oct 27, 2024		L90		Oct 27, 2024		L90	
Time	Leq dB(A)	dB(A)	Time	Leq dB(A)	Time	Leq dB(A)	
11:00 PM - 11:05 PM	49.9	48.0	01:40 AM - 01:45 AM	46.4	04:20 AM - 04:25 AM	45.8	44.6
11:05 PM - 11:10 PM	49.7	49.1	01:45 AM - 01:50 AM	47.0	04:25 AM - 04:30 AM	45.4	44.6
11:10 PM - 11:15 PM	50.1	48.8	01:50 AM - 01:55 AM	46.6	04:30 AM - 04:35 AM	45.8	44.6
11:15 PM - 11:20 PM	48.8	47.1	01:55 AM - 02:00 AM	44.7	04:35 AM - 04:40 AM	45.0	44.2
11:20 PM - 11:25 PM	48.5	46.7	02:00 AM - 02:05 AM	44.8	04:40 AM - 04:45 AM	44.7	44.0
11:25 PM - 11:30 PM	48.8	46.9	02:05 AM - 02:10 AM	45.9	04:45 AM - 04:50 AM	46.5	44.1
11:30 PM - 11:35 PM	48.8	47.9	02:10 AM - 02:15 AM	46.1	04:50 AM - 04:55 AM	44.8	44.2
11:35 PM - 11:40 PM	49.3	47.9	02:15 AM - 02:20 AM	45.6	04:55 AM - 05:00 AM	45.1	44.2
11:40 PM - 11:45 PM	49.6	48.1	02:20 AM - 02:25 AM	46.1	05:00 AM - 05:05 AM	45.7	44.6
11:45 PM - 11:50 PM	49.2	47.4	02:25 AM - 02:30 AM	45.6	05:05 AM - 05:10 AM	46.8	44.2
11:50 PM - 11:55 PM	49.1	47.8	02:30 AM - 02:35 AM	45.8	05:10 AM - 05:15 AM	45.5	43.9
11:55 PM - 12:00 AM	49.3	47.8	02:35 AM - 02:40 AM	46.0	05:15 AM - 05:20 AM	45.4	42.6
12:00 AM - 12:05 AM	49.1	47.3	02:40 AM - 02:45 AM	45.0	05:20 AM - 05:25 AM	45.6	43.8
12:05 AM - 12:10 AM	48.9	47.6	02:45 AM - 02:50 AM	46.2	05:25 AM - 05:30 AM	44.4	43.4
12:10 AM - 12:15 AM	49.4	48.0	02:50 AM - 02:55 AM	45.5	05:30 AM - 05:35 AM	44.5	43.3
12:15 AM - 12:20 AM	49.1	47.8	02:55 AM - 03:00 AM	47.2	05:35 AM - 05:40 AM	43.4	42.5
12:20 AM - 12:25 AM	48.7	47.5	03:00 AM - 03:05 AM	45.3	05:40 AM - 05:45 AM	43.2	42.0
12:25 PM - 12:30 PM	49.6	47.9	03:05 AM - 03:10 AM	46.6	05:45 AM - 05:50 AM	43.5	42.5
12:30 AM - 12:35 AM	49.0	48.8	03:10 AM - 03:15 AM	46.9	05:50 AM - 05:55 AM	42.9	41.9
12:35 AM - 12:40 AM	49.9	48.1	03:15 AM - 03:20 AM	46.7	05:55 AM - 06:00 AM	44.1	41.6
12:40 AM - 12:45 AM	49.1	47.6	03:20 AM - 03:25 AM	46.6	06:00 AM - 06:05 AM	46.7	40.7
12:45 AM - 12:50 AM	50.0	46.5	03:25 AM - 03:30 AM	46.0	06:05 AM - 06:10 AM	43.8	40.6
12:50 AM - 12:55 AM	48.5	45.2	03:30 AM - 03:35 AM	46.6	06:10 AM - 06:15 AM	43.2	40.3
12:55 AM - 01:00 AM	45.9	42.4	03:35 AM - 03:40 AM	46.5	06:15 AM - 06:20 AM	43.0	40.3
01:00 AM - 01:05 AM	47.1	44.9	03:40 AM - 03:45 AM	47.2	06:20 AM - 06:25 AM	45.7	40.2
01:05 AM - 01:10 AM	47.6	45.3	03:45 AM - 03:50 AM	46.5	06:25 AM - 06:30 AM	46.0	39.9
01:10 AM - 01:15 AM	48.0	45.0	03:50 AM - 03:55 AM	47.2	06:30 AM - 06:35 AM	41.1	39.8
01:15 AM - 01:20 AM	48.5	44.6	03:55 AM - 04:00 AM	48.8	06:35 AM - 06:40 AM	41.3	39.7
01:20 AM - 01:25 AM	50.5	44.4	04:00 AM - 04:05 AM	46.6	06:40 AM - 06:45 AM	43.1	40.4
01:25 AM - 01:30 AM	49.7	45.9	04:05 AM - 04:10 AM	45.7	06:45 AM - 06:50 AM	42.5	40.6
01:30 AM - 01:35 AM	48.9	44.7	04:10 AM - 04:15 AM	46.2	06:50 AM - 06:55 AM	44.0	39.9
01:35 AM - 01:40 AM	47.5	45.0	04:15 AM - 04:20 AM	46.5	06:55 AM - 07:00 AM	46.4	40.2



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161962-1

Page 2 of 3

Sample Number : 24110374-30
Parameter : Noise Level (Leq 5 min)
Location : NS : หน้าอาคาร (u.2 อาคารฝั่ง)
Measurement Date : Oct 27 - Oct 28, 2024
Measurement by : Santi Chaihana
Sound Level meter : Serial No. 01222716

Oct 27 - Oct 28, 2024	Leq	L90	Oct 28, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
11:00 PM - 11:05 PM	53.0	45.5	01:40 AM - 01:45 AM	48.0	46.2
11:05 PM - 11:10 PM	60.6	52.3	01:45 AM - 01:50 AM	54.4	46.6
11:10 PM - 11:15 PM	51.6	49.7	01:50 AM - 01:55 AM	49.2	46.2
11:15 PM - 11:20 PM	51.2	49.9	01:55 AM - 02:00 AM	46.6	45.9
11:20 PM - 11:25 PM	50.8	49.2	02:00 AM - 02:05 AM	47.9	46.6
11:25 PM - 11:30 PM	50.5	48.0	02:05 AM - 02:10 AM	48.3	46.9
11:30 PM - 11:35 PM	56.9	53.6	02:10 AM - 02:15 AM	48.6	47.6
11:35 PM - 11:40 PM	54.5	51.0	02:15 AM - 02:20 AM	49.9	47.5
11:40 PM - 11:45 PM	55.5	50.5	02:20 AM - 02:25 AM	48.5	47.5
11:45 PM - 11:50 PM	61.8	52.4	02:25 AM - 02:30 AM	47.7	47.9
11:50 PM - 11:55 PM	52.8	51.6	02:30 AM - 02:35 AM	48.8	47.4
11:55 PM - 12:00 AM	51.9	50.3	02:35 AM - 02:40 AM	49.8	48.8
12:00 AM - 12:05 AM	55.6	49.3	02:40 AM - 02:45 AM	50.5	49.2
12:05 AM - 12:10 AM	50.7	48.9	02:45 AM - 02:50 AM	49.9	48.5
12:10 AM - 12:15 AM	48.4	47.3	02:50 AM - 02:55 AM	48.9	47.7
12:15 AM - 12:20 AM	47.3	45.5	02:55 AM - 03:00 AM	49.2	48.4
12:20 AM - 12:25 AM	47.5	46.4	03:00 AM - 03:05 AM	49.3	48.3
12:25 AM - 12:30 AM	47.5	46.3	03:05 AM - 03:10 AM	49.4	48.3
12:30 AM - 12:35 AM	49.2	45.7	03:10 AM - 03:15 AM	49.0	48.2
12:35 AM - 12:40 AM	46.3	44.9	03:15 AM - 03:20 AM	49.7	48.5
12:40 AM - 12:45 AM	46.1	45.0	03:20 AM - 03:25 AM	50.0	49.2
12:45 AM - 12:50 AM	45.5	44.2	03:25 AM - 03:30 AM	50.0	49.3
12:50 AM - 12:55 AM	45.8	44.5	03:30 AM - 03:35 AM	49.8	48.1
12:55 AM - 01:00 AM	48.0	45.2	03:35 AM - 03:40 AM	49.5	48.5
01:00 AM - 01:05 AM	45.4	44.2	03:40 AM - 03:45 AM	51.1	50.4
01:05 AM - 01:10 AM	45.3	44.0	03:45 AM - 03:50 AM	51.2	50.6
01:10 AM - 01:15 AM	45.2	44.3	03:50 AM - 03:55 AM	51.4	50.7
01:15 AM - 01:20 AM	44.5	43.1	03:55 AM - 04:00 AM	52.2	51.3
01:20 AM - 01:25 AM	45.5	43.6	04:00 AM - 04:05 AM	52.4	51.6
01:25 AM - 01:30 AM	45.7	44.1	04:05 AM - 04:10 AM	52.4	51.6
01:30 AM - 01:35 AM	47.1	44.6	04:10 AM - 04:15 AM	51.8	51.0
01:35 AM - 01:40 AM	49.2	47.0	04:15 AM - 04:20 AM	51.8	51.0

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161962-1

Page 1 of 3

Sample Number : 24110374-31
Parameter : Noise Level (Leq 5 min)
Location : NS : หน้าอาคาร (u.2 อาคารฝั่ง)
Measurement Date : Oct 28 - Oct 29, 2024
Measurement by : Santi Chaihana
Sound Level meter : Serial No. 01222716

Oct 28, 2024	Leq	L90	Oct 28, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
03:00 PM - 03:05 PM	47.1	41.2	05:40 PM - 05:45 PM	45.6	44.4
03:05 PM - 03:10 PM	47.1	41.2	05:45 PM - 05:50 PM	46.9	45.5
03:10 PM - 03:15 PM	46.0	39.1	05:50 PM - 05:55 PM	47.9	46.9
03:15 PM - 03:20 PM	49.3	38.2	05:55 PM - 06:00 PM	48.9	48.0
03:20 PM - 03:25 PM	44.2	37.2	06:00 PM - 06:05 PM	49.2	48.5
03:25 PM - 03:30 PM	38.8	37.4	06:05 PM - 06:10 PM	50.0	49.3
03:30 PM - 03:35 PM	42.6	38.0	06:10 PM - 06:15 PM	50.0	49.1
03:35 PM - 03:40 PM	53.5	38.5	06:15 PM - 06:20 PM	49.1	48.3
03:40 PM - 03:45 PM	43.9	39.2	06:20 PM - 06:25 PM	57.5	50.4
03:45 PM - 03:50 PM	41.0	38.8	06:25 PM - 06:30 PM	51.9	50.0
03:50 PM - 03:55 PM	41.5	38.2	06:30 PM - 06:35 PM	52.5	49.7
03:55 PM - 04:00 PM	40.9	38.2	06:35 PM - 06:40 PM	49.2	48.2
04:00 PM - 04:05 PM	47.8	37.4	06:40 PM - 06:45 PM	56.8	51.5
04:05 PM - 04:10 PM	41.5	37.2	06:45 PM - 06:50 PM	50.4	49.1
04:10 PM - 04:15 PM	40.7	37.8	06:50 PM - 06:55 PM	49.6	48.8
04:15 PM - 04:20 PM	42.8	38.9	06:55 PM - 07:00 PM	49.8	49.0
04:20 PM - 04:25 PM	47.4	39.8	07:00 PM - 07:05 PM	49.9	49.2
04:25 PM - 04:30 PM	41.7	39.1	07:05 PM - 07:10 PM	49.8	49.0
04:30 PM - 04:35 PM	40.4	39.1	07:10 PM - 07:15 PM	50.2	49.6
04:35 PM - 04:40 PM	49.8	40.7	07:15 PM - 07:20 PM	50.3	49.6
04:40 PM - 04:45 PM	44.4	41.2	07:20 PM - 07:25 PM	51.7	50.0
04:45 PM - 04:50 PM	47.0	42.2	07:25 PM - 07:30 PM	51.0	50.1
04:50 PM - 04:55 PM	46.1	44.2	07:30 PM - 07:35 PM	50.7	49.6
04:55 PM - 05:00 PM	45.4	44.1	07:35 PM - 07:40 PM	51.4	50.2
05:00 PM - 05:05 PM	44.9	43.7	07:40 PM - 07:45 PM	51.9	50.6
05:05 PM - 05:10 PM	44.6	43.6	07:45 PM - 07:50 PM	52.3	51.1
05:10 PM - 05:15 PM	44.3	43.0	07:50 PM - 07:55 PM	52.5	51.4
05:15 PM - 05:20 PM	48.1	43.2	07:55 PM - 08:00 PM	52.7	52.7
05:20 PM - 05:25 PM	45.7	42.3	08:00 PM - 08:05 PM	54.2	53.2
05:25 PM - 05:30 PM	44.3	42.3	08:05 PM - 08:10 PM	55.0	53.3
05:30 PM - 05:35 PM	44.3	43.0	08:10 PM - 08:15 PM	54.7	53.7
05:35 PM - 05:40 PM	45.6	44.1	08:15 PM - 08:20 PM	51.6	51.4

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161962-1

Page 3 of 3

Sample Number : 24110374-30
Parameter : Noise Level (Leq 5 min)
Location : NS : หน้าอาคาร (u.2 อาคารฝั่ง)
Measurement Date : Oct 27 - Oct 28, 2024
Measurement by : Santi Chaihana
Sound Level meter : Serial No. 01222716

Oct 28, 2024	Leq	L90	Oct 28, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
07:50 AM - 07:55 AM	51.2	50.2	09:40 AM - 09:45 AM	46.9	44.9
07:55 AM - 08:00 AM	51.2	50.1	09:45 AM - 09:50 AM	47.9	45.8
08:00 AM - 08:05 AM	50.2	49.9	09:50 AM - 09:55 AM	47.6	45.9
08:05 AM - 08:10 AM	51.5	48.6	09:55 AM - 10:00 AM	46.7	45.6
08:10 AM - 08:15 AM	50.2	48.5	10:00 AM - 10:05 AM	45.5	44.4
08:15 AM - 08:20 AM	48.2	48.2	10:05 AM - 10:10 AM	46.1	44.3
08:20 AM - 08:25 AM	49.6	48.2	10:10 AM - 10:15 AM	46.0	43.1
08:25 AM - 08:30 AM	49.0	47.3	10:15 AM - 10:20 AM	44.3	43.5
08:30 AM - 08:35 AM	48.2	46.7	10:20 AM - 10:25 AM	49.8	43.4
08:35 AM - 08:40 AM	49.2	47.0	10:25 AM - 10:30 AM	46.1	43.9
08:40 AM - 08:45 AM	48.3	46.9	10:30 AM - 10:35 AM	47.7	43.8
08:45 AM - 08:50 AM	52.0	46.1	10:35 AM - 10:40 AM	44.4	43.2
08:50 AM - 08:55 AM	52.1	46.5	10:40 AM - 10:45 AM	48.8	43.3
08:55 AM - 09:00 AM	48.9	46.0	10:45 AM - 10:50 AM	44.5	42.8
09:00 AM - 09:05 AM	48.1	45.1	10:50 AM - 10:55 AM	43.6	42.0
09:05 AM - 09:10 AM	51.8	47.0	10:55 AM - 11:00 AM	44.6	41.9
09:10 AM - 09:15 AM	49.1	46.6	11:00 AM - 11:05 AM	43.0	41.8
09:15 AM - 09:20 AM	47.9	45.2	11:05 AM - 11:10 AM	42.8	41.5
09:20 AM - 09:25 AM	47.1	45.5	11:10 AM - 11:15 AM	44.7	42.2
09:25 AM - 09:30 AM	48.1	45.3	11:15 AM - 11:20 AM	47.3	42.4
09:30 AM - 09:35 AM	48.1	45.3	11:20 AM - 11:25 AM	42.0	40.4
09:35 AM - 09:40 AM	50.2	47.2	11:25 AM - 11:30 AM	41.9	40.6
09:40 AM - 09:45 AM	52.2	45.7	11:30 AM - 11:35 AM	41.9	40.6
09:45 AM - 09:50 AM	49.2	44.2	11:35 AM - 11:40 AM	42.5	41.3
09:50 AM - 09:55 AM	54.0	44.1	11:40 AM - 11:45 AM	43.1	39.7
09:55 AM - 10:00 AM	45.7	44.4	11:45 AM - 11:50 AM	42.1	40.4
10:00 AM - 10:05 AM	46.5	43.7	11:50 AM - 11:55 AM	42.7	40.9
10:05 AM - 10:10 AM	52.4	44.2	11:55 AM - 12:00 PM	42.7	41.1
10:10 AM - 10:15 AM	49.3	46.5	12:00 PM - 12:05 PM	42.1	41.2
10:15 AM - 10:20 AM	52.0	46.8	12:05 PM - 12:10 PM	44.9	40.3
10:20 AM - 10:25 AM	48.3	44.6	12:10 PM - 12:15 PM	40.3	38.9
10:25 AM - 10:30 AM	45.8	44.1	12:15 PM - 12:20 PM	40.4	38.3

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161962-1

Page 2 of 3

Sample Number : 24110374-31
Parameter : Noise Level (Leq 5 min)
Location : NS : หน้าอาคาร (u.2 อาคารฝั่ง)
Measurement Date : Oct 28 - Oct 29, 2024
Measurement by : Santi Chaihana
Sound Level meter : Serial No. 01222716

Oct 28 - Oct 29, 2024	Leq	L90	Oct 29, 2024	Leq	L90	Oct 29, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
11:00 PM - 11:05 PM	49.6	49.0	01:40 AM - 01:45 AM	47.2	46.4	04:20 AM - 04:25 AM	48.0	47.2
11:05 PM - 11:10 PM	49.5	48.8	01:45 AM - 01:50 AM	48.4	47.2	04:25 AM - 04:30 AM	49.1	48.1
11:10 PM - 11:15 PM	50.2	48.9	01:50 AM - 01:55 AM	48.8	47.1	04:30 AM - 04:35 AM	50.4	49.1
11:15 PM - 11:20 PM	49.7	48.5	01:55 AM - 02:00 AM	47.9	47.0	04:35 AM - 04:40 AM	50.5	47.0
11:20 PM - 11:25 PM	49.2	48.2	02:00 AM - 02:05 AM	48.2	47.2	04:40 AM - 04:45 AM	49.3	47.2
11:25 PM - 11:30 PM	49.3	48.5	02:05 AM - 02:10 AM	47.6	46.8	04:45 AM - 04:50 AM	50.2	49.0
11:30 PM - 11:35 PM	49.6	48.4	02:10 AM - 02:15 AM	49.9	47.1	04:50 AM - 04:55 AM	50.2	49.0
11:35 PM - 11:40 PM	49.6	48.2	02:15 AM - 02:20 AM	47.5	46.8	04:55 AM - 05:00 AM	49.8	47.9
11:40 PM - 11:45 PM	48.5	47.6	02:20 AM - 02:25 AM	48.1	47.2	05:00 AM - 05:05 AM	50.7	49.0
11:45 PM - 11:50 PM	48.8	48.0	02:25 AM - 02:30 AM	48.3	47.6	05:05 AM - 05:10 AM	49.4	46.8
11:50 PM - 11:55 PM	46.6	47.7	02:30 AM - 02:35 AM	48.1	47.4	05:10 AM - 05:15 AM	49.2	46.4
11:55 PM - 12:00 AM	48.1	47.6	02:35 AM - 02:40 AM	48.1	47.5	05:15 AM - 05:20 AM	47.3	46.3
12:00 AM - 12:05 AM	48.0	46.8	02:40 AM - 02:45 AM	48.5	47.6	05:20 AM - 05:25 AM	47.9	46.4
12:05 AM - 12:10 AM	48.1	46.8	02:45 AM - 02:50 AM	46.7	47.8	05:25 AM - 05:30 AM	50.7	48.3
12:10 AM - 12:15 AM	48.1	47.2	02:50 AM - 02:55 AM	49.4	48.1	05:30 AM - 05:35 AM	48.3	46.5
12:15 AM - 12:20 AM	47.6	46.6	02:55 AM - 03:00 AM	49.6	47.9	05:35 AM - 05:40 AM	46.2	47.1
12:20 AM - 12:25 AM	47.6	46.6	03:00 AM - 03:05 AM	49.7	47.9	05:40 AM - 05:45 AM	54.2	47.4
12:25 AM - 12:30 AM	47.2	46.6	03:05 AM - 03:10 AM	48.1	46.6	05:45 AM - 05:50 AM	49.5	46.5
12:30 AM - 12:35 AM	47.3	46.5	03:10 AM - 03:15 AM	50.2	47.2	05:50 AM - 05:55 AM	48.4	47.3
12:35 AM - 12:40 AM	47.3	46.4	03:15 AM - 03:20 AM	49.5	47.9	05:55 AM - 06:00 AM	50.5	46.8
12:40 AM - 12:45 AM	47.2	46.3	03:20 AM - 03:25 AM	48.8	48.4	06:00 AM - 06:05 AM	55.8	47.5
12:45 AM - 12:50 AM	47.2	46.4	03:25 AM - 03:30 AM	49.7	48.2	06:05 AM - 06:10 AM	55.1	47.3
12:50 AM - 12:55 AM	47.2	46.4	03:30 AM - 03:35 AM	49.4	47.9	06:10 AM - 06:15 AM	48.5	47.3
12:55 AM - 01:00 AM	47.2	46.5	03:35 AM - 03:40 AM	48.1	47.9	06:15 AM - 06:20 AM	47.9	47.0
01:00 AM - 01:05 AM	47.4	46.0	03:40 AM - 03:45 AM	49.3	47.6	06:20 AM - 06:25 AM	50.0	46.3
01:05 AM - 01:10 AM	47.3	46.2	03:45 AM - 03:50 AM	48.1	46.7	06:25 AM - 06:30 AM	50.2	49.2
01:10 AM - 01:15 AM	46.9	46.2	03:50 AM - 03:55 AM	49.5	47.9	06:30 AM - 06:35 AM	50.0	48.6
01:15 AM - 01:20 AM	46.7	45.9	03:55 AM - 04:00 AM	46.9	46.2	06:35 AM - 06:40 AM	49.3	48.3
01:20 AM - 01:25 AM	47.6	46.5	04:00 AM - 04:05 AM	46.2	46.1	06:40 AM - 06:45 AM	49.2	47.9
01:25 AM - 01:30 AM	46.9	45.9	04:05 AM - 04:10 AM	47.9	46.0	06:45 AM - 06:50 AM	49.9	48.2
01:30 AM - 01:35 AM	47.0	46.3	04:10 AM - 04:15 AM	47.3	46.3	06:50 AM - 06:55 AM	49.6	47.6
01:35 AM - 01:40 AM	47.8	46.3	04:15 AM - 04:20 AM	48.3	47.1	06:55 AM - 07:00 AM	47.5	46.4



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Jaitai Tove, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :
Page 1 of 3

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161965-1

Sample Number	24110374-33
Parameter	Noise Level (Leq 5 min)
Location	NS : 45°10'00" (a.2 45.166667)
Measurement Date	Oct 30 - Oct 31, 2024
Measurement by	Santi Chaichana
Sound Level meter	Serial No. 01222716

Oct 30, 2024	Leq	L90	Oct 31, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
07:00 PM - 07:05 PM	43.2	44.1	05:40 PM - 05:45 PM	50.9	50.4
07:05 PM - 07:10 PM	41.8	42.1	05:45 PM - 05:50 PM	50.8	50.4
07:10 PM - 07:15 PM	45.9	43.8	05:50 PM - 05:55 PM	50.8	50.3
07:15 PM - 07:20 PM	44.7	43.2	05:55 PM - 06:00 PM	51.1	50.4
07:20 PM - 07:25 PM	45.0	43.2	06:00 PM - 06:05 PM	51.7	50.4
07:25 PM - 07:30 PM	45.8	42.6	06:05 PM - 06:10 PM	50.6	50.1
07:30 PM - 07:35 PM	45.2	43.0	06:10 PM - 06:15 PM	50.6	50.1
07:35 PM - 07:40 PM	45.0	43.6	06:15 PM - 06:20 PM	50.6	50.0
07:40 PM - 07:45 PM	46.3	43.4	06:20 PM - 06:25 PM	50.8	50.2
07:45 PM - 07:50 PM	48.1	45.3	06:25 PM - 06:30 PM	50.9	50.4
07:50 PM - 07:55 PM	49.4	46.9	06:30 PM - 06:35 PM	50.7	50.2
07:55 PM - 08:00 PM	48.6	46.9	06:35 PM - 06:40 PM	54.8	50.4
08:00 PM - 08:05 PM	50.1	47.4	06:40 PM - 06:45 PM	55.3	50.3
08:05 PM - 08:10 PM	48.7	48.2	06:45 PM - 06:50 PM	55.7	54.0
08:10 PM - 08:15 PM	49.0	48.3	06:50 PM - 06:55 PM	55.5	53.8
08:15 PM - 08:20 PM	49.2	48.4	06:55 PM - 07:00 PM	55.3	53.7
08:20 PM - 08:25 PM	50.3	48.4	07:00 PM - 07:05 PM	55.3	53.6
08:25 PM - 08:30 PM	49.2	48.4	07:05 PM - 07:10 PM	55.2	53.7
08:30 PM - 08:35 PM	49.6	48.6	07:10 PM - 07:15 PM	55.7	53.7
08:35 PM - 08:40 PM	49.4	48.8	07:15 PM - 07:20 PM	55.9	49.0
08:40 PM - 08:45 PM	49.5	48.8	07:20 PM - 07:25 PM	48.6	47.5
08:45 PM - 08:50 PM	50.2	49.7	07:25 PM - 07:30 PM	48.3	47.8
08:50 PM - 08:55 PM	49.4	48.8	07:30 PM - 07:35 PM	48.0	47.3
08:55 PM - 09:00 PM	50.0	49.3	07:35 PM - 07:40 PM	48.3	47.8
09:00 PM - 09:05 PM	49.8	49.4	07:40 PM - 07:45 PM	48.4	47.8
09:05 PM - 09:10 PM	50.8	50.1	07:45 PM - 07:50 PM	48.3	47.7
09:10 PM - 09:15 PM	50.4	49.8	07:50 PM - 07:55 PM	48.2	48.4
09:15 PM - 09:20 PM	50.2	49.7	07:55 PM - 08:00 PM	48.6	47.8
09:20 PM - 09:25 PM	50.4	49.8	08:00 PM - 08:05 PM	48.9	47.9
09:25 PM - 09:30 PM	50.5	50.0	08:05 PM - 08:10 PM	48.6	47.7
09:30 PM - 09:35 PM	51.1	50.1	08:10 PM - 08:15 PM	48.0	47.1
09:35 PM - 09:40 PM	50.7	50.2	08:15 PM - 08:20 PM	48.2	47.3

Approved by

Saranyut Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Jaitai Tove, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :
Page 3 of 3

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161965-1

Sample Number	24110374-33
Parameter	Noise Level (Leq 5 min)
Location	NS : 45°10'00" (a.2 45.166667)
Measurement Date	Oct 30 - Oct 31, 2024
Measurement by	Santi Chaichana
Sound Level meter	Serial No. 01222716

Oct 31, 2024	Leq	L90	Oct 31, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
07:00 AM - 07:05 AM	52.2	41.2	09:40 AM - 09:45 AM	45.1	36.3
07:05 AM - 07:10 AM	44.4	37.5	09:45 AM - 09:50 AM	45.3	36.4
07:10 AM - 07:15 AM	38.2	36.7	09:50 AM - 09:55 AM	37.5	35.4
07:15 AM - 07:20 AM	38.3	36.6	09:55 AM - 10:00 AM	42.2	35.1
07:20 AM - 07:25 AM	38.9	36.7	10:00 AM - 10:05 AM	39.0	35.6
07:25 AM - 07:30 AM	38.0	36.6	10:05 AM - 10:10 AM	40.2	36.8
07:30 AM - 07:35 AM	38.9	37.2	10:10 AM - 10:15 AM	40.7	36.8
07:35 AM - 07:40 AM	39.8	37.3	10:15 AM - 10:20 AM	37.4	36.2
07:40 AM - 07:45 AM	38.0	36.9	10:20 AM - 10:25 AM	38.2	35.2
07:45 AM - 07:50 AM	39.2	37.2	10:25 AM - 10:30 AM	38.5	35.5
07:50 AM - 07:55 AM	40.3	37.5	10:30 AM - 10:35 AM	38.7	35.3
07:55 AM - 08:00 AM	39.7	36.2	10:35 AM - 10:40 AM	36.7	35.3
08:00 AM - 08:05 AM	39.2	37.1	10:40 AM - 10:45 AM	35.9	34.4
08:05 AM - 08:10 AM	39.4	36.8	10:45 AM - 10:50 AM	38.7	34.1
08:10 AM - 08:15 AM	40.2	37.6	10:50 AM - 10:55 AM	37.8	34.6
08:15 AM - 08:20 AM	44.3	38.8	10:55 AM - 11:00 AM	48.2	35.4
08:20 AM - 08:25 AM	46.5	37.9	11:00 AM - 11:05 AM	36.3	34.0
08:25 AM - 08:30 AM	52.8	36.9	11:05 AM - 11:10 AM	38.8	35.7
08:30 AM - 08:35 AM	42.9	38.0	11:10 AM - 11:15 AM	37.4	35.0
08:35 AM - 08:40 AM	40.5	37.4	11:15 AM - 11:20 AM	36.2	34.6
08:40 AM - 08:45 AM	41.6	37.4	11:20 AM - 11:25 AM	39.1	36.4
08:45 AM - 08:50 AM	41.5	38.4	11:25 AM - 11:30 AM	41.7	36.4
08:50 AM - 08:55 AM	40.4	38.1	11:30 AM - 11:35 AM	38.8	36.4
08:55 AM - 09:00 AM	45.3	38.2	11:35 AM - 11:40 AM	39.7	36.8
09:00 AM - 09:05 AM	40.8	37.3	11:40 AM - 11:45 AM	39.1	37.9
09:05 AM - 09:10 AM	39.5	37.4	11:45 AM - 11:50 AM	41.6	37.6
09:10 AM - 09:15 AM	40.4	37.8	11:50 AM - 11:55 AM	38.8	36.7
09:15 AM - 09:20 AM	38.8	37.2	11:55 AM - 12:00 PM	38.6	37.1
09:20 AM - 09:25 AM	39.2	37.3	12:00 PM - 12:05 PM	38.0	37.0
09:25 AM - 09:30 AM	42.1	36.5	12:05 PM - 12:10 PM	37.9	36.9
09:30 AM - 09:35 AM	38.7	36.5	12:10 PM - 12:15 PM	39.1	37.1
09:35 AM - 09:40 AM	38.1	36.1	12:15 PM - 12:20 PM	38.4	37.2

Approved by

Saranyut Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Jaitai Tove, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :
Page 2 of 3

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161965-1

Sample Number	24110374-33
Parameter	Noise Level (Leq 5 min)
Location	NS : 45°10'00" (a.2 45.166667)
Measurement Date	Oct 30 - Oct 31, 2024
Measurement by	Santi Chaichana
Sound Level meter	Serial No. 01222716

Oct 30 - Oct 31, 2024	Leq	L90	Oct 31, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
11:00 PM - 11:05 PM	50.2	48.7	01:40 AM - 01:45 AM	49.5	48.0
11:05 PM - 11:10 PM	50.3	48.8	01:45 AM - 01:50 AM	47.6	46.5
11:10 PM - 11:15 PM	50.4	48.7	01:50 AM - 01:55 AM	48.3	46.7
11:15 PM - 11:20 PM	50.1	48.9	01:55 AM - 02:00 AM	48.6	47.2
11:20 PM - 11:25 PM	50.4	48.9	02:00 AM - 02:05 AM	47.3	46.3
11:25 PM - 11:30 PM	50.4	48.9	02:05 AM - 02:10 AM	47.3	46.1
11:30 PM - 11:35 PM	47.6	45.2	02:10 AM - 02:15 AM	47.5	46.1
11:35 PM - 11:40 PM	50.6	48.4	02:15 AM - 02:20 AM	47.3	46.3
11:40 PM - 11:45 PM	51.4	49.3	02:20 AM - 02:25 AM	46.7	45.7
11:45 PM - 11:50 PM	51.2	49.4	02:25 AM - 02:30 AM	47.3	46.4
11:50 PM - 11:55 PM	51.2	49.4	02:30 AM - 02:35 AM	48.0	47.7
11:55 PM - 12:00 AM	51.1	49.2	02:35 AM - 02:40 AM	48.0	47.5
12:00 AM - 12:05 AM	51.5	49.1	02:40 AM - 02:45 AM	49.4	47.9
12:05 AM - 12:10 AM	51.0	49.1	02:45 AM - 02:50 AM	48.9	47.4
12:10 AM - 12:15 AM	51.6	49.7	02:50 AM - 02:55 AM	48.7	47.2
12:15 AM - 12:20 AM	51.9	50.2	02:55 AM - 03:00 AM	48.8	47.4
12:20 AM - 12:25 AM	51.9	50.1	03:00 AM - 03:05 AM	48.6	47.1
12:25 AM - 12:30 AM	52.2	50.5	03:05 AM - 03:10 AM	48.6	48.3
12:30 AM - 12:35 AM	51.7	50.1	03:10 AM - 03:15 AM	49.1	47.6
12:35 AM - 12:40 AM	51.3	49.7	03:15 AM - 03:20 AM	49.5	47.8
12:40 AM - 12:45 AM	51.0	49.0	03:20 AM - 03:25 AM	48.1	46.7
12:45 AM - 12:50 AM	50.5	48.5	03:25 AM - 03:30 AM	48.6	47.2
12:50 AM - 12:55 AM	49.8	48.1	03:30 AM - 03:35 AM	48.2	45.9
12:55 AM - 01:00 AM	49.7	47.7	03:35 AM - 03:40 AM	47.2	45.9
01:00 AM - 01:05 AM	49.5	47.7	03:40 AM - 03:45 AM	48.6	47.0
01:05 AM - 01:10 AM	49.2	47.5	03:45 AM - 03:50 AM	48.3	47.1
01:10 AM - 01:15 AM	49.3	47.9	03:50 AM - 03:55 AM	48.2	47.9
01:15 AM - 01:20 AM	49.2	47.8	03:55 AM - 04:00 AM	48.0	46.6
01:20 AM - 01:25 AM	49.9	48.7	04:00 AM - 04:05 AM	48.6	43.7
01:25 AM - 01:30 AM	50.5	48.5	04:05 AM - 04:10 AM	50.6	45.0
01:30 AM - 01:35 AM	49.8	48.2	04:10 AM - 04:15 AM	50.0	44.3
01:35 AM - 01:40 AM	49.2	47.8	04:15 AM - 04:20 AM	45.0	43.8

Approved by

Saranyut Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Jaitai Tove, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :
Page 1 of 3

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161966-1

Sample Number	24110374-34
Parameter	Noise Level (Leq 5 min)
Location	N5 : 45°10'00" (a.2 45.166667)
Measurement Date	Oct 31 - Nov 01, 2024
Measurement by	Santi Chaichana
Sound Level meter	Serial No. 01222716

Oct 31, 2024	Leq	L90	Oct 31, 2024	Leq	L90	Oct 31, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
01:00 PM - 01:05 PM	40.8	39.7	05:40 PM - 05:45 PM	49.3	48.9	08:20 PM - 08:25 PM	47.3	46.4
01:05 PM - 01:10 PM	40.8	39.4	05:45 PM - 05:50 PM	49.4	48.8	08:25 PM - 08:30 PM	47.6	46.4
01:10 PM - 01:15 PM	40.3	38.9	05:50 PM - 05:55 PM	49.1	48.5	08:30 PM - 08:35 PM	47.7	46.7
01:15 PM - 01:20 PM	40.6	39.7	05:55 PM - 06:00 PM	49.1	48.6	08:35 PM - 08:40 PM	49.6	47.2
01:20 PM - 01:25 PM	40.9	39.7	06:00 PM - 06:05 PM	49.8	48.2	08:40 PM - 08:45 PM	49.7	47.6
01:25 PM - 01:30 PM	40.4	39.4	06:05 PM - 06:10 PM	49.7	48.4	08:45 PM - 08:50 PM	47.0	45.7
01:30 PM - 01:35 PM	41.4	39.4	06:10 PM - 06:15 PM	48.9	48.2	08:50 PM - 08:55 PM	47.6	45.3
01:35 PM - 01:40 PM	42.2	39.6	06:15 PM - 06:20 PM	50.1	48.5	08:55 PM - 09:00 PM	48.6	47.8
01:40 PM - 01:45 PM	42.3	41.0	06:20 PM - 06:25 PM	48.6	48.2	09:00 PM - 09:05 PM	48.6	47.8
01:45 PM - 01:50 PM	42.0	41.2	06:25 PM - 06:30 PM	48.4	47.7	09:05 PM - 09:10 PM	46.7	45.6
01:50 PM - 01:55 PM	50.4	41.6	06:30 PM - 06:35 PM	48.4	47.8	09:10 PM - 09:15 PM	46.6	45.5
01:55 PM - 04:00 PM	50.2	42.1	06:35 PM - 06:40 PM	48.2	47.2	09:15 PM - 09:20 PM	46.3	45.4
04:00 PM - 04:05 PM	47.2	46.0	06:40 PM - 06:45 PM	47.6	47.0	09:20 PM - 09:25 PM	48.2	47.4
04:05 PM - 04:10 PM	47.6	46.0	06:45 PM - 06:50 PM	47.6	47.1	09:25 PM - 09:30 PM	47.8	47.0
04:10 PM - 04:15 PM	51.0	47.2	06:50 PM - 06:55 PM	47.7	46.9	09:30 PM - 09:35 PM	47.4	46.4
04:15 PM - 04:20 PM	49.6	47.6	06:55 PM - 07:00 PM	47.3	46.8	09:35 PM - 09:40 PM	47.6	46.4
04:20 PM - 04:25 PM	49.1	47.8	07:00 PM - 07:05 PM	47.0	46.4	09:40 PM - 09:45 PM	47.5	46.5
04:25 PM - 04:30 PM	49.2	47.8	07:05 PM - 07:10 PM	46.6	46.2	09:45 PM - 09:50 PM	46.1	47.1
04:30 PM - 04:35 PM	49.3	48.3	07:10 PM - 07:15 PM	46.7	46.3	09:50 PM - 09:55 PM	48.2	47.2
04:35 PM - 04:40 PM	49.3	48.8	07:15 PM - 07:20 PM	46.4	45.9	09:55 PM - 10:00 PM	48.3	47.1
04:40 PM - 04:45 PM	49.5	48.8	07:20 PM - 07:25 PM	50.8	45.9	10:00 PM - 10:05 PM	48.4	47.2
04:45 PM - 04:50 PM	50.1	49.0	07:25 PM - 07:30 PM	46.1	45.7	10:05 PM - 10:10 PM	48.2	47.0
04:50 PM - 04:55 PM	50.0	49.2	07:30 PM - 07:35 PM	46.4	45.9	10:10 PM - 10:15 PM	48.4	47.2
04:55 PM - 05:00 PM	49.4	48.8	07:35 PM - 07:40 PM	47.0	46.1	10:15 PM - 10:20 PM	47.8	46.8
05:00 PM - 05:05 PM	49.3	48.8	07:40 PM - 07:45 PM	46.8	46.2	10:20 PM - 10:25 PM	47.9	46.8
05:05 PM - 05:10 PM	49.2	48.6	07:45 PM - 07:50 PM	47.3	46.6	10:25 PM - 10:30 PM	47.1	46.3
05:10 PM - 05:15 PM	48.8	48.1	07:50 PM - 07:55 PM	47.6	46.8	10:30 PM - 10:35 PM	47.8	46.7
05:15 PM - 05:20 PM	49.3	48.5	07:55 PM - 08:00 PM	47.4	46.6	10:35 PM - 10:40 PM	47.2	46.2
05:20 PM - 05:25 PM	49.3	48.7	08:00 PM - 08:05 PM	49.1	46.8	10:40 PM - 10:45 PM	47.0	45.4
05:25 PM - 05:30 PM	48.7	48.3	08:05 PM - 08:10 PM	48.0	47.0	10:45 PM - 10:50 PM	46.6	45.0
05:30 PM - 05:35 PM	49.1	48.6	08:10 PM - 08:15 PM	47.1	46.0	10:50 PM - 10:55 PM	47.1	45.6
05:35 PM - 05:40 PM	49.4	48.8	08:15 PM - 08:20 PM	47.8	46.7	10:55 PM - 11:00 PM	47.4	45.5



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italtai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok

P/O : RJN-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161967-1

Page 2 of 3

Sample Number	24110374-34						
Parameter	Noise Level (Leq 5 min)						
Location	N5 : หน้าโรงโม่หิน (u.2 ๔๔๑๑๑๑๑๑)						
Measurement Date	Oct 31 - Nov 01, 2024						
Measurement by	Santi Chachana						
Sound Level meter	Serial No. 01222716						
	Oct 31 - Nov 01, 2024		Nov 01, 2024		Nov 01, 2024		
	Leq	L90	Leq	L90	Leq	L90	
	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	
	Time	Time	Time	Time	Time	Time	
11:00 PM - 11:05 PM	46.3	44.6	01:40 AM - 01:45 AM	43.5	44.2	04:20 AM - 04:25 AM	43.9
11:05 PM - 11:10 PM	46.3	44.7	01:45 AM - 01:50 AM	45.1	43.9	04:25 AM - 04:30 AM	43.6
11:10 PM - 11:15 PM	47.2	44.8	01:50 AM - 01:55 AM	44.7	43.7	04:30 AM - 04:35 AM	48.2
11:15 PM - 11:20 PM	46.1	44.5	01:55 AM - 02:00 AM	44.2	43.3	04:35 AM - 04:40 AM	48.2
11:20 PM - 11:25 PM	45.9	44.3	02:00 AM - 02:05 AM	46.1	44.2	04:40 AM - 04:45 AM	46.5
11:25 PM - 11:30 PM	46.8	44.3	02:05 AM - 02:10 AM	45.8	44.8	04:45 AM - 04:50 AM	46.6
11:30 PM - 11:35 PM	44.2	43.3	02:10 AM - 02:15 AM	45.9	44.9	04:50 AM - 04:55 AM	46.0
11:35 PM - 11:40 PM	44.3	43.7	02:15 AM - 02:20 AM	46.8	45.6	04:55 AM - 05:00 AM	46.5
11:40 PM - 11:45 PM	44.8	43.8	02:20 AM - 02:25 AM	47.5	45.9	05:00 AM - 05:05 AM	45.0
11:45 PM - 11:50 PM	44.6	43.9	02:25 AM - 02:30 AM	45.5	44.5	05:05 AM - 05:10 AM	44.2
11:50 PM - 11:55 PM	43.3	42.8	02:30 AM - 02:35 AM	45.7	44.5	05:10 AM - 05:15 AM	43.7
11:55 PM - 12:00 AM	43.6	42.8	02:35 AM - 02:40 AM	45.7	44.6	05:15 AM - 05:20 AM	45.8
12:00 AM - 12:05 AM	44.6	43.6	02:40 AM - 02:45 AM	45.7	44.9	05:20 AM - 05:25 AM	45.2
12:05 AM - 12:10 AM	44.7	43.6	02:45 AM - 02:50 AM	45.9	44.8	05:25 AM - 05:30 AM	43.5
12:10 AM - 12:15 AM	45.5	44.1	02:50 AM - 02:55 AM	45.7	44.6	05:30 AM - 05:35 AM	48.5
12:15 AM - 12:20 AM	44.7	43.7	02:55 AM - 03:00 AM	46.7	44.7	05:35 AM - 05:40 AM	43.2
12:20 AM - 12:25 AM	45.0	43.8	03:00 AM - 03:05 AM	46.1	44.5	05:40 AM - 05:45 AM	42.3
12:25 AM - 12:30 AM	44.5	43.6	03:05 AM - 03:10 AM	46.3	45.3	05:45 AM - 05:50 AM	41.2
12:30 AM - 12:35 AM	44.5	43.7	03:10 AM - 03:15 AM	47.3	45.8	05:50 AM - 05:55 AM	42.5
12:35 AM - 12:40 AM	44.0	43.1	03:15 AM - 03:20 AM	47.9	45.6	05:55 AM - 06:00 AM	46.8
12:40 AM - 12:45 AM	45.4	44.3	03:20 AM - 03:25 AM	45.9	44.2	06:00 AM - 06:05 AM	46.5
12:45 AM - 12:50 AM	45.4	44.0	03:25 AM - 03:30 AM	45.1	43.6	06:05 AM - 06:10 AM	40.1
12:50 AM - 12:55 AM	45.8	44.2	03:30 AM - 03:35 AM	45.4	44.2	06:10 AM - 06:15 AM	41.1
12:55 AM - 01:00 AM	46.0	44.3	03:35 AM - 03:40 AM	46.8	45.2	06:15 AM - 06:20 AM	42.1
01:00 AM - 01:05 AM	45.6	44.0	03:40 AM - 03:45 AM	47.0	44.6	06:20 AM - 06:25 AM	46.5
01:05 AM - 01:10 AM	45.3	43.9	03:45 AM - 03:50 AM	49.4	46.2	06:25 AM - 06:30 AM	41.3
01:10 AM - 01:15 AM	45.3	44.3	03:50 AM - 03:55 AM	48.6	47.0	06:30 AM - 06:35 AM	46.8
01:15 AM - 01:20 AM	46.0	44.6	03:55 AM - 04:00 AM	48.7	47.1	06:35 AM - 06:40 AM	41.1
01:20 AM - 01:25 AM	46.2	45.0	04:00 AM - 04:05 AM	48.8	47.5	06:40 AM - 06:45 AM	41.5
01:25 AM - 01:30 AM	46.1	44.8	04:05 AM - 04:10 AM	49.1	47.3	06:45 AM - 06:50 AM	44.6
01:30 AM - 01:35 AM	46.9	45.3	04:10 AM - 04:15 AM	50.1	48.9	06:50 AM - 06:55 AM	41.8
01:35 AM - 01:40 AM	45.7	44.7	04:15 AM - 04:20 AM	49.1	48.1	06:55 AM - 07:00 AM	40.4

The data results are valid only for the analyzed time period. It is not intended to be used for any other purpose. All data are subject to change without notice. ALS Global is not responsible for any errors or omissions in this report.

Approved by

Sarayu Jitranont
Assistant General Manager

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RIGHT SOLUTIONS. RIGHT PEOPLE. RIGHT PLACE.



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italtai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok

P/O : RJN-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161967-1

Page 1 of 3

Sample Number	24110374-35	Leq	L90	Nov 01, 2024	Leq	L90	Nov 01, 2024	Leq	L90
Parameter	Noise Level (Leq 5 min)	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
Location	N5 : หน้าโรงโม่หิน (u.2 ๔๔๑๑๑๑)								
Measurement Date	Nov 01 - Nov 02, 2024								
Measurement by	Santi Chachana								
Sound Level meter	Serial No. 01222716								
Nov 01, 2024	Leq	L90	Nov 01, 2024	Leq	L90	Nov 01, 2024	Leq	L90	
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	
03:00 PM - 03:05 PM	46.6	45.5	05:40 PM - 05:45 PM	51.0	50.0	08:20 PM - 08:25 PM	46.3	47.6	
03:05 PM - 03:10 PM	46.3	45.4	05:45 PM - 05:50 PM	50.3	49.7	08:25 PM - 08:30 PM	46.4	47.7	
03:10 PM - 03:15 PM	45.6	43.8	05:50 PM - 05:55 PM	50.6	49.8	08:30 PM - 08:35 PM	49.9	47.8	
03:15 PM - 03:20 PM	45.6	43.7	05:55 PM - 06:00 PM	50.8	50.1	08:35 PM - 08:40 PM	48.9	47.4	
03:20 PM - 03:25 PM	45.6	44.5	06:00 PM - 06:05 PM	50.3	49.3	08:40 PM - 08:45 PM	48.3	48.4	
03:25 PM - 03:30 PM	44.4	43.5	06:05 PM - 06:10 PM	51.0	49.9	08:45 PM - 08:50 PM	40.5	48.0	
03:30 PM - 03:35 PM	44.4	43.3	06:10 PM - 06:15 PM	50.6	49.2	08:50 PM - 08:55 PM	46.8	49.0	
03:35 PM - 03:40 PM	51.1	49.3	06:15 PM - 06:20 PM	50.1	49.3	08:55 PM - 09:00 PM	50.0	49.0	
03:40 PM - 03:45 PM	48.9	45.0	06:20 PM - 06:25 PM	50.4	49.2	09:00 PM - 09:05 PM	49.0	48.3	
03:45 PM - 03:50 PM	50.6	45.2	06:25 PM - 06:30 PM	49.5	48.6	09:05 PM - 09:10 PM	49.1	47.9	
03:50 PM - 03:55 PM	55.2	46.1	06:30 PM - 06:35 PM	49.3	48.6	09:10 PM - 09:15 PM	48.2	48.2	
03:55 PM - 04:00 PM	48.1	47.4	06:35 PM - 06:40 PM	48.9	48.2	09:15 PM - 09:20 PM	48.2	47.1	
04:00 PM - 04:05 PM	49.4	48.6	06:40 PM - 06:45 PM	48.6	47.7	09:20 PM - 09:25 PM	47.8	47.1	
04:05 PM - 04:10 PM	51.5	49.6	06:45 PM - 06:50 PM	49.4	48.3	09:25 PM - 09:30 PM	47.6	46.9	
04:10 PM - 04:15 PM	50.1	49.0	06:50 PM - 06:55 PM	49.4	48.3	09:30 PM - 09:35 PM	47.7	46.9	
04:15 PM - 04:20 PM	50.1	48.8	06:55 PM - 07:00 PM	48.9	48.2	09:35 PM - 09:40 PM	48.1	47.3	
04:20 PM - 04:25 PM	50.2	49.3	07:00 PM - 07:05 PM	48.3	47.7	09:40 PM - 09:45 PM	50.6	48.7	
04:25 PM - 04:30 PM	50.2	49.7	07:05 PM - 07:10 PM	48.2	47.5	09:45 PM - 09:50 PM	49.0	47.6	
04:30 PM - 04:35 PM	50.2	49.5	07:10 PM - 07:15 PM	48.3	47.8	09:50 PM - 09:55 PM	47.0	46.2	
04:35 PM - 04:40 PM	49.6	48.6	07:15 PM - 07:20 PM	48.7	48.2	09:55 PM - 10:00 PM	46.6	45.9	
04:40 PM - 04:45 PM	49.3	48.8	07:20 PM - 07:25 PM	48.2	47.4	10:00 PM - 10:05 PM	47.1	46.2	
04:45 PM - 04:50 PM	49.1	48.7	07:25 PM - 07:30 PM	47.6	47.0	10:05 PM - 10:10 PM	47.1	46.2	
04:50 PM - 04:55 PM	50.2	49.1	07:30 PM - 07:35 PM	47.6	47.0	10:10 PM - 10:15 PM	46.2	46.7	
04:55 PM - 05:00 PM	49.2	48.2	07:35 PM - 07:40 PM	46.7	46.2	10:15 PM - 10:20 PM	46.7	46.1	
05:00 PM - 05:05 PM	49.5	48.6	07:40 PM - 07:45 PM	48.9	48.1	10:20 PM - 10:25 PM	46.7	45.9	
05:05 PM - 05:10 PM	49.7	48.4	07:45 PM - 07:50 PM	47.8	47.3	10:25 PM - 10:30 PM	48.2	46.4	
05:10 PM - 05:15 PM	49.8	48.9	07:50 PM - 07:55 PM	47.1	46.4	10:30 PM - 10:35 PM	51.1	48.0	
05:15 PM - 05:20 PM	49.8	49.1	07:55 PM - 08:00 PM	47.3	46.6	10:35 PM - 10:40 PM	46.6	46.7	
05:20 PM - 05:25 PM	50.2	49.3	08:00 PM - 08:05 PM	46.8	46.2	10:40 PM - 10:45 PM	49.0	46.6	
05:25 PM - 05:30 PM	50.6	49.9	08:05 PM - 08:10 PM	46.7	46.2	10:45 PM - 10:50 PM	46.8	46.1	
05:30 PM - 05:35 PM	50.4	49.7	08:10 PM - 08:15 PM	47.1	46.7	10:50 PM - 10:55 PM	47.8	46.8	
05:35 PM - 05:40 PM	50.7	50.0	08:15 PM - 08:20 PM	47.6	46.9	10:55 PM - 11:00 PM	47.1	46.4	

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Approved by

Sarayu Jitranont
Assistant General Manager

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RIGHT SOLUTIONS. RIGHT PEOPLE. RIGHT PLACE.



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italtai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok

P/O : RJN-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161967-1

Page 2 of 3

Sample Number	24110374-34							
Parameter	Noise Level (Leq 5 min)							
Location	N5 : หน้าโรงโม่หิน (u.2 ๔๔๑๑๑๑๑๑)							
Measurement Date	Oct 31 - Nov 01, 2024							
Measurement by	Santi Chachana							
Sound Level meter	Serial No. 01222716							
	Nov 01, 2024		Nov 01, 2024		Nov 01, 2024			
	Leq	L90	Leq	L90	Leq	L90		
	Time	dB(A)	Time	dB(A)	Time	dB(A)		
07:00 AM - 07:05 AM	39.9	38.6	09:40 AM - 09:45 AM	37.0	35.4	12:20 PM - 12:25 PM	43.7	37.4
07:05 AM - 07:10 AM	41.5	39.7	09:45 AM - 09:50 AM	38.8	36.0	12:25 PM - 12:30 PM	39.6	37.5
07:10 AM - 07:15 AM	40.8	39.4	09:50 AM - 09:55 AM	37.8	35.3	12:30 PM - 12:35 PM	39.7	38.0
07:15 AM - 07:20 AM	40.6	39.3	09:55 AM - 10:00 AM	36.9	35.5	12:35 PM - 12:40 PM	40.6	37.6
07:20 AM - 07:25 AM	40.8	38.7	10:00 AM - 10:05 AM	37.6	35.6	12:40 PM - 12:45 PM	39.7	37.5
07:25 AM - 07:30 AM	41.4	39.2	10:05 AM - 10:10 AM	37.6	35.3	12:45 PM - 12:50 PM	43.2	39.5
07:30 AM - 07:35 AM	41.1	37.9	10:10 AM - 10:15 AM	36.8	35.2	12:50 PM - 12:55 PM	44.6	40.8
07:35 AM - 07:40 AM	39.3	37.8	10:15 AM - 10:20 AM	40.7	35.6	12:55 PM - 01:00 PM	42.9	41.1
07:40 AM - 07:45 AM	39.5	36.6	10:20 AM - 10:25 AM	37.3	35.8	01:00 PM - 01:05 PM	41.2	39.0
07:45 AM - 07:50 AM	40.3	36.8	10:25 AM - 10:30 AM	38.1	37.1	01:05 PM - 01:10 PM	44.3	39.8
07:50 AM - 07:55 AM	39.2	37.2	10:30 AM - 10:35 AM	38.8	36.8	01:10 PM - 01:15 PM	41.6	39.2
07:55 AM - 08:00 AM	45.0	40.1	10:35 AM - 10:40 AM	38.5	37.1	01:15 PM - 01:20 PM	43.8	42.2
08:00 AM - 08:05 AM	45.1	39.5	10:40 AM - 10:45 AM	39.5	38.1	01:20 PM - 01:25 PM	42.9	41.4
08:05 AM - 08:10 AM	41.2	37.9	10:45 AM - 10:50 AM	39.5	38.4	01:25 PM - 01:30 PM	42.5	41.1
08:10 AM - 08:15 AM	42.7	39.5	10:50 AM - 10:55 AM	48.4	38.5	01:30 PM - 01:35 PM	44.2	42.3
08:15 AM - 08:20 AM	42.0	38.7	10:55 AM - 11:00 AM	39.7	38.2	01:35 PM - 01:40 PM	45.5	42.7
08:20 AM - 08:25 AM	43.5	39.2	11:00 AM - 11:05 AM	41.2	39.1	01:40 PM - 01:45 PM	44.1	42.9
08:25 AM - 08:30 AM	39.8	37.1	11:05 AM - 11:10 AM	40.1	39.1	01:45 PM - 01:50 PM	45.2	43.6
08:30 AM - 08:35 AM	40.0	37.7	11:10 AM - 11:15 AM	38.9	37.6	01:50 PM - 01:55 PM	44.8	43.3
08:35 AM - 08:40 AM	39.0	36.8	11:15 AM - 11:20 AM	40.3	37.8	01:55 PM - 02:00 PM	47.7	44.5
08:40 AM - 08:45 AM	40.3	36.2	11:20 AM - 11:25 AM	39.6	37.9	02:00 PM - 02:05 PM	45.2	44.0
08:45 AM - 08:50 AM	39.2	37.4	11:25 AM - 11:30 AM	38.0	37.0	02:05 PM - 02:10 PM	45.6	44.7
08:50 AM - 08:55 AM	38.8	36.4	11:30 AM - 11:35 AM	38.4	37.4	02:10 PM - 02:15 PM	46.0	44.1
08:55 AM - 09:00 AM	38.0	36.2	11:35 AM - 11:40 AM	38.0	36.6	02:15 PM - 02:20 PM	45.8	44.4
09:00 AM - 09:05 AM	39.1	37.1	11:40 AM - 11:45 AM	38.0	36.5	02:20 PM - 02:25 PM	46.7	43.0
09:05 AM - 09:10 AM	39.5	36.8	11:45 AM - 11:50 AM	37.7	36.1	02:25 PM - 02:30 PM	47.5	43.0
09:10 AM - 09:15 AM	39.5	35.9	11:50 AM - 11:55 AM	37.2	36.0	02:30 PM - 02:35 PM	47.9	43.6
09:15 AM - 09:20 AM	38.6	36.5	11:55 AM - 12:00 PM	37.8	36.3	02:35 PM - 02:40 PM	48.8	45.5
09:20 AM - 09:25 AM	38.7	36.6	12:00 PM - 12:05 PM	40.1	36.5	02:40 PM - 02:45 PM	46.6	45.5
09:25 AM - 09:30 AM	39.2	37.1	12:05 PM - 12:10 PM	38.9	36.8	02:45 PM - 02:50 PM	49.2	45.1
09:30 AM - 09:35 AM	37.6	36.3	12:10 PM - 12:15 PM	38.0	36.9	02:50 PM - 02:55 PM	50.0	45.9
09:35 AM - 09:40 AM	38.1	36.4	12:15 PM - 12:20 PM	38.0	37.0	02:55 PM - 03:00 PM	47.1	45.6



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH R. 1, Balhal Tower, New Peichuri Road, Bangkok, Thailand 10310

P/O : RJH-LCB-033/66
Project Name : Latenchabang
Project Location :

Lot ID: 24110374
Date Received : Nov 06, 2024
Date Reported : Nov 11, 2024
Report Number : 3161967-1

Page 3 of 3

Sample Number : 24110374-35
Parameter : Noise Level (Leq 5 min)
Location : หน้าอาคาร (u.2 อาคารฝั่ง)
Measurement Date : Nov 01 - Nov 02, 2024
Measurement by : Santi Chaitanya
Sound Level meter : Serial No. 01222716

Nov 02, 2024			Nov 02, 2024			Nov 02, 2024		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
07:00 AM - 07:05 AM	48.0	46.9	09:40 AM - 09:45 AM	40.9	39.8	12:20 PM - 12:25 PM	41.9	36.2
07:05 AM - 07:10 AM	48.7	47.3	09:45 AM - 09:50 AM	41.9	39.9	12:25 PM - 12:30 PM	42.9	38.1
07:10 AM - 07:15 AM	47.7	45.9	09:50 AM - 09:55 AM	42.0	40.9	12:30 PM - 12:35 PM	39.8	37.8
07:15 AM - 07:20 AM	48.2	45.9	09:55 AM - 10:00 AM	42.3	40.6	12:35 PM - 12:40 PM	41.1	39.0
07:20 AM - 07:25 AM	47.4	45.9	10:00 AM - 10:05 AM	44.9	41.8	12:40 PM - 12:45 PM	40.3	39.0
07:25 AM - 07:30 AM	48.2	46.7	10:05 AM - 10:10 AM	41.9	39.6	12:45 PM - 12:50 PM	41.5	39.2
07:30 AM - 07:35 AM	47.1	45.8	10:10 AM - 10:15 AM	40.8	38.8	12:50 PM - 12:55 PM	45.3	39.1
07:35 AM - 07:40 AM	47.5	46.2	10:15 AM - 10:20 AM	48.6	38.3	12:55 PM - 01:00 PM	39.6	38.6
07:40 AM - 07:45 AM	49.4	46.4	10:20 AM - 10:25 AM	42.0	38.8	01:00 PM - 01:05 PM	37.9	37.1
07:45 AM - 07:50 AM	48.5	46.3	10:25 AM - 10:30 AM	39.1	37.8	01:05 PM - 01:10 PM	38.5	37.3
07:50 AM - 07:55 AM	48.4	46.2	10:30 AM - 10:35 AM	38.0	37.0	01:10 PM - 01:15 PM	38.8	37.0
07:55 AM - 08:00 AM	47.2	45.5	10:35 AM - 10:40 AM	38.2	37.3	01:15 PM - 01:20 PM	40.7	38.5
08:00 AM - 08:05 AM	48.5	45.8	10:40 AM - 10:45 AM	48.3	37.7	01:20 PM - 01:25 PM	39.0	37.2
08:05 AM - 08:10 AM	47.8	45.3	10:45 AM - 10:50 AM	41.9	38.0	01:25 PM - 01:30 PM	33.4	38.0
08:10 AM - 08:15 AM	47.5	45.5	10:50 AM - 10:55 AM	38.9	38.0	01:30 PM - 01:35 PM	40.0	38.1
08:15 AM - 08:20 AM	47.0	45.4	10:55 AM - 11:00 AM	38.8	37.6	01:35 PM - 01:40 PM	38.7	37.9
08:20 AM - 08:25 AM	47.0	45.6	11:00 AM - 11:05 AM	38.6	37.5	01:40 PM - 01:45 PM	38.3	37.3
08:25 AM - 08:30 AM	46.0	44.9	11:05 AM - 11:10 AM	39.8	37.7	01:45 PM - 01:50 PM	36.1	37.2
08:30 AM - 08:35 AM	48.0	44.9	11:10 AM - 11:15 AM	36.4	37.2	01:50 PM - 01:55 PM	39.2	37.5
08:35 AM - 08:40 AM	46.4	44.8	11:15 AM - 11:20 AM	38.8	37.7	01:55 PM - 02:00 PM	38.8	37.5
08:40 AM - 08:45 AM	45.3	44.2	11:20 AM - 11:25 AM	53.2	38.1	02:00 PM - 02:05 PM	44.0	38.4
08:45 AM - 08:50 AM	49.8	44.4	11:25 AM - 11:30 AM	54.0	37.0	02:05 PM - 02:10 PM	41.0	37.8
08:50 AM - 08:55 AM	53.8	44.4	11:30 AM - 11:35 AM	39.5	37.6	02:10 PM - 02:15 PM	39.3	37.6
08:55 AM - 09:00 AM	45.2	43.6	11:35 AM - 11:40 AM	38.9	37.1	02:15 PM - 02:20 PM	39.6	38.1
09:00 AM - 09:05 AM	46.5	44.2	11:40 AM - 11:45 AM	39.7	36.5	02:20 PM - 02:25 PM	38.7	37.1
09:05 AM - 09:10 AM	48.7	42.8	11:45 AM - 11:50 AM	37.2	36.2	02:25 PM - 02:30 PM	39.9	37.3
09:10 AM - 09:15 AM	50.5	43.5	11:50 AM - 11:55 AM	42.3	36.3	02:30 PM - 02:35 PM	38.5	36.7
09:15 AM - 09:20 AM	45.7	43.7	11:55 AM - 12:00 PM	40.0	37.3	02:35 PM - 02:40 PM	39.8	36.5
09:20 AM - 09:25 AM	42.5	40.1	12:00 PM - 12:05 PM	39.4	37.8	02:40 PM - 02:45 PM	38.4	36.8
09:25 AM - 09:30 AM	41.6	39.3	12:05 PM - 12:10 PM	39.8	37.9	02:45 PM - 02:50 PM	38.5	36.5
09:30 AM - 09:35 AM	42.4	39.6	12:10 PM - 12:15 PM	37.9	36.5	02:50 PM - 02:55 PM	40.3	36.9
09:35 AM - 09:40 AM	38.8	38.2	12:15 PM - 12:20 PM	47.9	35.4	02:55 PM - 03:00 PM	39.5	36.8

The data was generated by the sound level meter and is not intended to be used for any other purpose. The data is for informational purposes only and should not be used for any other purpose.

Approved by

Sarayuth Jitranont
Assistant General Manager

114/115/116/117/118/119/120/121/122/123/124/125/126/127/128/129/130/131/132/133/134/135/136/137/138/139/140/141/142/143/144/145/146/147/148/149/150/151/152/153/154/155/156/157/158/159/160/161/162/163/164/165/166/167/168/169/170/171/172/173/174/175/176/177/178/179/180/181/182/183/184/185/186/187/188/189/190/191/192/193/194/195/196/197/198/199/200/201/202/203/204/205/206/207/208/209/210/211/212/213/214/215/216/217/218/219/220/221/222/223/224/225/226/227/228/229/230/231/232/233/234/235/236/237/238/239/240/241/242/243/244/245/246/247/248/249/250/251/252/253/254/255/256/257/258/259/260/261/262/263/264/265/266/267/268/269/270/271/272/273/274/275/276/277/278/279/280/281/282/283/284/285/286/287/288/289/290/291/292/293/294/295/296/297/298/299/300/301/302/303/304/305/306/307/308/309/310/311/312/313/314/315/316/317/318/319/320/321/322/323/324/325/326/327/328/329/330/331/332/333/334/335/336/337/338/339/340/341/342/343/344/345/346/347/348/349/350/351/352/353/354/355/356/357/358/359/360/361/362/363/364/365/366/367/368/369/370/371/372/373/374/375/376/377/378/379/380/381/382/383/384/385/386/387/388/389/390/391/392/393/394/395/396/397/398/399/400/401/402/403/404/405/406/407/408/409/410/411/412/413/414/415/416/417/418/419/420/421/422/423/424/425/426/427/428/429/430/431/432/433/434/435/436/437/438/439/440/441/442/443/444/445/446/447/448/449/450/451/452/453/454/455/456/457/458/459/460/461/462/463/464/465/466/467/468/469/470/471/472/473/474/475/476/477/478/479/480/481/482/483/484/485/486/487/488/489/490/491/492/493/494/495/496/497/498/499/500/501/502/503/504/505/506/507/508/509/510/511/512/513/514/515/516/517/518/519/520/521/522/523/524/525/526/527/528/529/530/531/532/533/534/535/536/537/538/539/540/541/542/543/544/545/546/547/548/549/550/551/552/553/554/555/556/557/558/559/560/561/562/563/564/565/566/567/568/569/570/571/572/573/574/575/576/577/578/579/580/581/582/583/584/585/586/587/588/589/590/591/592/593/594/595/596/597/598/599/600/601/602/603/604/605/606/607/608/609/610/611/612/613/614/615/616/617/618/619/620/621/622/623/624/625/626/627/628/629/630/631/632/633/634/635/636/637/638/639/640/641/642/643/644/645/646/647/648/649/650/651/652/653/654/655/656/657/658/659/660/661/662/663/664/665/666/667/668/669/670/671/672/673/674/675/676/677/678/679/680/681/682/683/684/685/686/687/688/689/690/691/692/693/694/695/696/697/698/699/700/701/702/703/704/705/706/707/708/709/710/711/712/713/714/715/716/717/718/719/720/721/722/723/724/725/726/727/728/729/730/731/732/733/734/735/736/737/738/739/740/741/742/743/744/745/746/747/748/749/750/751/752/753/754/755/756/757/758/759/760/761/762/763/764/765/766/767/768/769/770/771/772/773/774/775/776/777/778/779/780/781/782/783/784/785/786/787/788/789/790/791/792/793/794/795/796/797/798/799/800/801/802/803/804/805/806/807/808/809/810/811/812/813/814/815/816/817/818/819/820/821/822/823/824/825/826/827/828/829/830/831/832/833/834/835/836/837/838/839/840/841/842/843/844/845/846/847/848/849/850/851/852/853/854/855/856/857/858/859/860/861/862/863/864/865/866/867/868/869/870/871/872/873/874/875/876/877/878/879/880/881/882/883/884/885/886/887/888/889/890/891/892/893/894/895/896/897/898/899/900/901/902/903/904/905/906/907/908/909/910/911/912/913/914/915/916/917/918/919/920/921/922/923/924/925/926/927/928/929/930/931/932/933/934/935/936/937/938/939/940/941/942/943/944/945/946/947/948/949/950/951/952/953/954/955/956/957/958/959/960/961/962/963/964/965/966/967/968/969/970/971/972/973/974/975/976/977/978/979/980/981/982/983/984/985/986/987/988/989/990/991/992/993/994/995/996/997/998/999/1000/1001/1002/1003/1004/1005/1006/1007/1008/1009/1010/1011/1012/1013/1014/1015/1016/1017/1018/1019/1020/1021/1022/1023/1024/1025/1026/1027/1028/1029/1030/1031/1032/1033/1034/1035/1036/1037/1038/1039/1040/1041/1042/1043/1044/1045/1046/1047/1048/1049/1050/1051/1052/1053/1054/1055/1056/1057/1058/1059/1060/1061/1062/1063/1064/1065/1066/1067/1068/1069/1070/1071/1072/1073/1074/1075/1076/1077/1078/1079/1080/1081/1082/1083/1084/1085/1086/1087/1088/1089/1090/1091/1092/1093/1094/1095/1096/1097/1098/1099/1100/1101/1102/1103/1104/1105/1106/1107/1108/1109/1110/1111/1112/1113/1114/1115/1116/1117/1118/1119/1120/1121/1122/1123/1124/1125/1126/1127/1128/1129/1130/1131/1132/1133/1134/1135/1136/1137/1138/1139/1140/1141/1142/1143/1144/1145/1146/1147/1148/1149/1150/1151/1152/1153/1154/1155/1156/1157/1158/1159/1160/1161/1162/1163/1164/1165/1166/1167/1168/1169/1170/1171/1172/1173/1174/1175/1176/1177/1178/1179/1180/1181/1182/1183/1184/1185/1186/1187/1188/1189/1190/1191/1192/1193/1194/1195/1196/1197/1198/1199/1200/1201/1202/1203/1204/1205/1206/1207/1208/1209/1210/1211/1212/1213/1214/1215/1216/1217/1218/1219/1220/1221/1222/1223/1224/1225/1226/1227/1228/1229/1230/1231/1232/1233/1234/1235/1236/1237/1238/1239/1240/1241/1242/1243/1244/1245/1246/1247/1248/1249/1250/1251/1252/1253/1254/1255/1256/1257/1258/1259/1260/1261/1262/1263/1264/1265/1266/1267/1268/1269/1270/1271/1272/1273/1274/1275/1276/1277/1278/1279/1280/1281/1282/1283/1284/1285/1286/1287/1288/1289/1290/1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ระดับเสี่ยงขณะมีการรบกวน (Operate)



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Ittalhai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110375
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163480-1

Page 1 of 3

Sample No. 24110375-1
Parameter เสียงรบกวน
Location N1 ซอยถนนพหลโยธินฝั่งที่ 2 (GPS 47P 0714309, 1442204)
Measurement Date Oct 26 - 27, 2024
Measurement by Santi Chachana
Sound Level Meter 00233184

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	เสียงรบกวนการจราจร	เสียงพื้นบ้าน	การรบกวน	ค่ารวม
04:00 PM - 05:00 PM	48.3	50.3	n/a	-	44.0	-
05:00 PM - 06:00 PM	47.2	47.8	n/a	-	43.0	-
06:00 PM - 07:00 PM	46.2	46.9	n/a	-	45.4	-
07:00 PM - 08:00 PM	46.6	49.3	n/a	-	46.1	-
08:00 PM - 09:00 PM	46.6	48.9	n/a	-	46.2	-
09:00 PM - 10:00 PM	47.0	47.5	n/a	-	45.8	-
10:00 PM - 10:05 PM	45.4	45.4	n/a	-	43.5	-
10:05 PM - 10:10 PM	45.4	46.5	n/a	-	42.8	-
10:10 PM - 10:15 PM	46.6	46.7	n/a	-	43.1	-
10:15 PM - 10:20 PM	43.9	44.9	n/a	-	42.4	-
10:20 PM - 10:25 PM	42.3	43.4	n/a	-	41.0	-
10:25 PM - 10:30 PM	43.0	44.5	n/a	-	42.5	-
10:30 PM - 10:35 PM	43.1	43.9	n/a	-	42.2	-
10:35 PM - 10:40 PM	44.8	44.8	n/a	-	41.7	0.0
10:40 PM - 10:45 PM	42.4	43.2	n/a	-	42.0	-
10:45 PM - 10:50 PM	42.2	43.3	n/a	-	41.2	-
10:50 PM - 10:55 PM	44.6	43.3	n/a	-	41.7	0.0
10:55 PM - 11:00 PM	42.6	46.7	n/a	-	42.5	-
11:00 PM - 11:05 PM	43.0	44.1	n/a	-	40.4	-
11:05 PM - 11:10 PM	41.5	42.9	n/a	-	40.4	-
11:10 PM - 11:15 PM	41.8	43.0	n/a	-	40.4	-
11:15 PM - 11:20 PM	41.4	43.0	n/a	-	41.4	-
11:20 PM - 11:25 PM	42.7	43.7	n/a	-	41.6	-
11:25 PM - 11:30 PM	41.7	43.0	n/a	-	41.4	-
11:30 PM - 11:35 PM	41.6	42.7	n/a	-	40.9	-
11:35 PM - 11:40 PM	41.0	42.1	n/a	-	40.1	-
11:40 PM - 11:45 PM	42.2	42.4	n/a	-	40.1	-
11:45 PM - 11:50 PM	41.5	42.1	n/a	0.9	40.9	-
11:50 PM - 11:55 PM	42.7	44.8	n/a	-	39.9	-
11:55 PM - 12:00 AM	44.1	45.3	n/a	-	41.7	-
12:00 AM - 12:05 AM	40.8	41.4	n/a	-	39.4	-
12:05 AM - 12:10 AM	43.4	43.4	n/a	-	40.5	-10.5
12:10 AM - 12:15 AM	41.3	43.2	n/a	-	40.3	-
12:15 AM - 12:20 AM	42.0	42.7	n/a	-	40.2	-
12:20 AM - 12:25 AM	39.3	40.5	n/a	-	38.4	-
12:25 AM - 12:30 AM	40.8	41.4	n/a	-	39.2	1.0
12:30 AM - 12:35 AM	39.8	42.7	n/a	-	37.8	-
12:35 AM - 12:40 AM	45.0	44.9	n/a	-	38.6	-2.0
12:40 AM - 12:45 AM	44.9	46.8	n/a	-	42.0	-
12:45 AM - 12:50 AM	39.6	39.6	n/a	-	38.6	-

Approved by

Wibb.
Wibwan Borik
Manager

ADDRESS: 616/10 Moo 5 T. Manam Khu A. Phusadeng Rayong 21140 Thailand PHONE: +66 0 3304 8555 FAX: +66 0 3304 8556



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Ittalhai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110375
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163480-1

Page 2 of 3

Sample No. 24110375-1
Parameter เสียงรบกวน
Location N1 ซอยถนนพหลโยธินฝั่งที่ 2 (GPS 47P 0714309, 1442204)
Measurement Date Oct 26 - 27, 2024
Measurement by Santi Chachana
Sound Level Meter 00233184

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	เสียงรบกวนการจราจร	เสียงพื้นบ้าน	การรบกวน	ค่ารวม
17:50 AM - 17:55 AM	41.7	42.2	-	n/a	40.2	-
17:55 AM - 04:00 AM	41.1	41.3	-	n/a	39.3	-
01:00 AM - 01:05 AM	26.1	29.7	-	n/a	28.4	-11.6
01:05 AM - 01:10 AM	43.6	43.2	-	n/a	36.0	-3.7
01:10 AM - 01:15 AM	42.2	42.9	-	n/a	40.5	-
01:15 AM - 01:20 AM	40.0	40.2	-	n/a	38.6	-
01:20 AM - 01:25 AM	51.5	54.0	-	n/a	43.5	-
01:25 AM - 01:30 AM	40.0	43.9	-	n/a	38.9	-
01:30 AM - 01:35 AM	38.1	38.7	-	n/a	36.6	-
01:35 AM - 01:40 AM	26.3	26.3	-	n/a	25.3	-10.9
01:40 AM - 01:45 AM	37.8	37.7	-	n/a	24.4	-11.9
01:45 AM - 01:50 AM	41.4	41.5	-	n/a	36.3	-
01:50 AM - 01:55 AM	41.8	41.4	-	n/a	34.2	-2.1
01:55 AM - 02:00 AM	42.1	47.4	-	n/a	36.4	-
02:00 AM - 02:05 AM	44.3	45.2	-	n/a	36.0	-
02:05 AM - 02:10 AM	47.6	47.7	-	n/a	44.6	-
02:10 AM - 02:15 AM	43.8	46.6	-	n/a	39.3	-
02:15 AM - 02:20 AM	41.7	41.8	-	n/a	38.0	-
02:20 AM - 02:25 AM	40.9	40.9	-	n/a	38.1	-
02:25 AM - 02:30 AM	38.5	38.4	-	n/a	37.2	-
02:30 AM - 02:35 AM	37.8	37.7	-	n/a	24.4	-12.1
02:35 AM - 02:40 AM	39.2	39.1	-	n/a	36.7	-10.9
02:40 AM - 02:45 AM	29.5	29.0	-	n/a	21.9	-4.8
02:45 AM - 02:50 AM	54.7	58.1	-	n/a	35.8	-2.7
02:50 AM - 02:55 AM	39.9	40.1	-	n/a	37.5	-
02:55 AM - 03:00 AM	39.9	40.2	-	n/a	37.3	-
03:00 AM - 03:05 AM	29.6	40.2	-	n/a	27.2	-
03:05 AM - 03:10 AM	36.7	39.1	-	n/a	25.8	-
03:10 AM - 03:15 AM	39.3	38.2	-	n/a	25.5	0.3
03:15 AM - 03:20 AM	41.7	44.2	-	n/a	24.2	-
03:20 AM - 03:25 AM	38.0	40.2	-	n/a	36.4	-
03:25 AM - 03:30 AM	39.0	39.2	-	n/a	36.8	-
03:30 AM - 03:35 AM	39.3	39.7	-	n/a	37.2	-
03:35 AM - 03:40 AM	39.3	39.9	-	n/a	37.9	-
03:40 AM - 03:45 AM	25.5	40.1	-	n/a	38.2	-
03:45 AM - 03:50 AM	38.6	38.4	-	n/a	37.5	-9.4
03:50 AM - 03:55 AM	40.2	40.4	-	n/a	36.4	-
03:55 AM - 04:00 AM	39.6	39.7	-	n/a	37.7	-
04:00 AM - 04:05 AM	38.6	38.8	-	n/a	37.8	-
04:05 AM - 04:10 AM	38.5	38.5	-	n/a	37.5	-

Approved by

Wibb.
Wibwan Borik
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Ittalhai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110375
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163480-1

Page 3 of 3

Sample No. 24110375-1
Parameter เสียงรบกวน
Location N1 ซอยถนนพหลโยธินฝั่งที่ 2 (GPS 47P 0714309, 1442204)
Measurement Date Oct 27 - 28, 2024
Measurement by Santi Chachana
Sound Level Meter 00233184

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	เสียงรบกวนการจราจร	เสียงพื้นบ้าน	การรบกวน	ค่ารวม
04:10 AM - 04:15 AM	39.7	39.0	-	n/a	27.8	-9.1
04:15 AM - 04:20 AM	39.0	39.0	-	n/a	28.1	-
04:20 AM - 04:25 AM	39.7	39.1	-	n/a	25.8	-12.4
04:25 AM - 04:30 AM	40.1	40.3	-	n/a	28.4	-
04:30 AM - 04:35 AM	39.8	39.8	-	n/a	28.4	-
04:35 AM - 04:40 AM	40.5	40.8	-	n/a	28.5	-
04:40 AM - 04:45 AM	42.2	42.0	-	n/a	31.7	-7.8
04:45 AM - 04:50 AM	40.6	41.7	-	n/a	37.7	-
04:50 AM - 04:55 AM	36.7	38.1	-	n/a	37.0	-12.2
04:55 AM - 05:00 PM	38.5	39.5	-	n/a	37.4	-
05:00 AM - 05:05 AM	38.3	38.3	-	n/a	36.7	-
05:05 AM - 05:10 AM	38.8	38.7	-	n/a	38.2	-10.8
05:10 AM - 05:15 AM	36.9	36.9	-	n/a	37.4	-
05:15 AM - 05:20 AM	38.8	38.8	-	n/a	37.7	-
05:20 AM - 05:25 AM	41.7	41.1	-	n/a	38.2	-
05:25 AM - 05:30 AM	45.8	40.1	-	n/a	39.6	-
05:30 AM - 05:35 AM	47.0	41.6	-	n/a	38.8	-
05:35 AM - 05:40 AM	28.8	38.9	-	n/a	37.2	-
05:40 AM - 05:45 AM	40.3	40.1	-	n/a	36.1	-1.9
05:45 AM - 05:50 AM	39.3	39.4	-	n/a	37.6	-
05:50 AM - 05:55 AM	39.5	39.2	-	n/a	37.6	-6.9
05:55 AM - 06:00 AM	27.9	37.8	-	n/a	25.5	-11.8
06:00 AM - 07:00 AM	42.9	43.2	-	n/a	39.0	-
07:00 AM - 08:00 AM	47.2	45.5	-	n/a	40.1	-
08:00 AM - 09:00 PM	45.1	45.1	-	n/a	39.3	-
09:00 AM - 10:00 AM	45.1	46.1	-	n/a	41.0	-
10:00 AM - 11:00 AM	47.2	47.6	-	n/a	41.0	-
11:00 AM - 12:00 PM	46.1	47.2	-	n/a	40.4	-
12:00 PM - 01:00 PM	43.3	44.2	-	n/a	37.5	-
01:00 PM - 02:00 PM	43.5	44.0	-	n/a	38.2	-
02:00 PM - 03:00 PM	43.2	43.5	-	n/a	38.0	-
03:00 PM - 04:00 PM	43.3	43.1	-	n/a	39.9	-18.1

Reference Method :
1. ISO 1996-1
2. วิธีการทดสอบเสียงรบกวน (เสียง) สำหรับอาคารในเขตเมืองและชนบท ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดค่าการรบกวนการจราจรตามมาตรฐาน ม.ท. 2567
หมายเหตุ :
1. ข้อมูลการตรวจวัดเสียงรบกวน (เสียง) สำหรับอาคารในเขตเมืองและชนบท (ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดค่าการรบกวนการจราจรตามมาตรฐาน ม.ท. 2567)
2. ข้อมูลการตรวจวัดเสียงรบกวน (เสียง) สำหรับอาคารในเขตเมืองและชนบท (ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดค่าการรบกวนการจราจรตามมาตรฐาน ม.ท. 2567)
3. ค่า: ข้อมูลการตรวจวัดเสียงรบกวน (เสียง) สำหรับอาคารในเขตเมืองและชนบท (ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดค่าการรบกวนการจราจรตามมาตรฐาน ม.ท. 2567)

Approved by

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Wibwan Borik
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Ittalhai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110375
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163480-1

Page 1 of 3

Sample No. 24110375-2
Parameter เสียงรบกวน
Location N1 ซอยถนนพหลโยธินฝั่งที่ 2 (GPS 47P 0714309, 1442204)
Measurement Date Oct 27 - 28, 2024
Measurement by Santi Chachana
Sound Level Meter 00233184

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	เสียงรบกวนการจราจร	เสียงพื้นบ้าน	การรบกวน	ค่ารวม
04:00 PM - 05:00 PM	51.0	52.0	-	n/a	41.9	4.2
05:00 PM - 06:00 PM	54.3	45.2	-	n/a	43.2	1.9
06:00 PM - 07:00 PM	54.7	55.7	-	n/a	44.9	-
07:00 PM - 08:00 PM	54.8	54.8	-	n/a	44.9	-
08:00 PM - 09:00 PM	51.9	55.8	-	n/a	46.2	-
09:00 PM - 10:00 PM	52.3	60.1	-	n/a	45.0	-
10:00 PM - 10:05 PM	50.6	59.6	-	n/a	42.7	-
10:05 PM - 10:10 PM	49.2	56.0	-	n/a	42.7	-
10:10 PM - 10:15 PM	50.2	60.3	-	n/a	42.2	-
10:15 PM - 10:20 PM	52.2	59.3	-	n/a	41.3	-
10:20 PM - 10:25 PM	50.9	59.9	-	n/a	41.0	-
10:25 PM - 10:30 PM	46.9	55.4	-	n/a	41.2	-
10:30 PM - 10:35 PM	50.5	58.1	-	n/a	41.8	-
10:35 PM - 10:40 PM	50.5	60.7	-	n/a	42.0	-
10:40 PM - 10:45 PM	51.3	61.7	-	n/a	40.4	-
10:45 PM - 10:50 PM	51.4	61.6	-	n/a	40.3	-
10:50 PM - 10:55 PM	52.2	61.8	-	n/a	40.9	-
10:55 PM - 11:00 PM	50.8	61.0	-	n/a	40.9	-
11:00 PM - 11:05 PM	56.3	60.5	-	n/a	40.6	-
11:05 PM - 11:10 PM	52.1	62.6	-	n/a	41.4	-
11:10 PM - 11:15 PM	52.5	62.3	-	n/a	41.6	-
11:15 PM - 11:20 PM	55.0	61.0	-	n/a	41.2	-



Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110375
Date Received :Nov 06, 2024
Date Reported :Nov 15, 2024
Report Number : 3163481-1

Page 2 of 3

Sample No.	2410375-2
Parameter	ดินร่วนปน
Location	NI มหานครปทุมธานีซอย 2 (GPS 47P 0714309, 1442204)
Measurement Date	Oct 27 - 28, 2024
Measurement by	Santi Chakhana
Sound Level Meter	00233184

เวลา	เที่ยวจาก บนฝั่งปาก	เที่ยวจาก ปากน้ำขนอม	รถยนต์ (DB(A))		เที่ยวที่ขนอม	เที่ยวที่ขนอม	ค่าโดยสาร การขนาน
			ค่าขนาน	เที่ยวขนาน			
17:50 AM - 17:55 AM	44.1	55.1	-	n/a	42.2	-	-
17:55 AM - 01:00 AM	43.5	43.3	-	33.0	41.8	-	-8.8
01:00 AM - 01:05 AM	42.7	48.3	-	n/a	41.8	-	-
01:05 AM - 01:10 AM	42.7	42.6	-	n/a	41.2	-	-11.9
01:10 AM - 01:15 AM	42.5	42.6	-	n/a	41.3	-	-
01:15 AM - 01:20 AM	42.4	42.2	-	31.9	40.7	-	-8.8
01:20 AM - 01:25 AM	41.8	46.5	-	n/a	40.7	-	-
01:25 AM - 01:30 AM	43.0	42.7	-	34.2	41.2	-	-7.0
01:30 AM - 01:35 AM	44.0	47.4	-	n/a	41.2	-	-
01:35 AM - 01:40 AM	42.7	49.1	-	n/a	41.0	-	-
01:40 AM - 01:45 AM	42.1	42.8	-	n/a	40.4	-	-
01:45 AM - 01:50 AM	42.7	43.0	-	n/a	40.1	-	-
01:50 AM - 01:55 AM	41.8	42.5	-	34.0	40.1	-	-5.1
01:55 AM - 02:00 AM	40.8	41.6	-	n/a	39.3	-	-
02:00 AM - 02:05 AM	43.1	41.7	-	40.5	37.8	-	-
02:05 AM - 02:10 AM	42.7	44.3	-	n/a	37.8	-	-
02:10 AM - 02:15 AM	42.2	44.0	-	n/a	37.9	-	-
02:15 AM - 02:20 AM	42.7	46.3	-	n/a	37.8	-	-
02:20 AM - 02:25 AM	41.8	43.3	-	n/a	39.3	-	-
02:25 AM - 02:30 AM	40.6	49.5	-	n/a	40.4	-	-
02:30 AM - 02:35 AM	42.1	44.1	-	n/a	41.1	-	-
02:35 AM - 02:40 AM	42.9	42.4	-	n/a	41.2	-	-5.0
02:40 AM - 02:45 AM	40.8	47.6	-	n/a	42.1	-	-
02:45 AM - 02:50 AM	41.8	43.0	-	n/a	42.1	-	-
02:50 AM - 02:55 AM	42.4	42.1	-	33.6	41.3	-	-7.7
02:55 AM - 03:00 AM	42.6	42.6	-	n/a	41.5	-	-
03:00 AM - 03:05 AM	42.8	43.1	-	n/a	41.9	-	-
03:05 AM - 03:10 AM	42.3	43.0	-	n/a	40.9	-	-
03:10 AM - 03:15 AM	42.3	42.3	-	32.0	41.0	-	-9.0
03:15 AM - 03:20 AM	42.5	42.8	-	n/a	41.5	-	-
03:20 AM - 03:25 AM	41.5	41.3	-	31.0	40.2	-	-5.2
03:25 AM - 03:30 AM	41.2	40.7	-	34.6	39.9	-	-5.3
03:30 AM - 03:35 AM	41.3	41.0	-	22.5	40.2	-	-7.8
03:35 AM - 03:40 AM	41.1	41.2	-	n/a	40.5	-	-
03:40 AM - 03:45 AM	41.2	41.5	-	n/a	40.5	-	-
03:45 AM - 03:50 AM	42.5	41.4	-	39.0	40.0	-	-1.6
03:50 AM - 03:55 AM	42.6	41.1	-	36.0	40.0	-	-4.8
03:55 AM - 04:00 AM	42.0	41.9	-	29.5	40.8	-	-12.2
04:00 AM - 04:05 AM	42.5	42.3	-	32.0	41.4	-	-9.4

The above results are valid only for the assigned testing sequence(s) as indicated in this report. No part of this report or its findings may be reproduced in any form without written consent from the Laboratory. All Laboratory Group (Thailand) strongly recommends that this report is not misused and misread. (3/4)

Approved by

Wilawan Borirak
Manager

Wilawan Bori

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110375
Date Received :Nov 06, 2024
Date Reported :Nov 15, 2024
Report Number : 3163481-1

Page 3 of 3

Sample No.	24110375-2
Parameter	เชื้อแบคทีเรีย
Location	N1 ทุบดินบริเวณบ่อเก็บน้ำผิวดินจุด 2 (GPS 47P 07J4309, 1442204)
Measurement Date	Jan 27 - 28, 2024
Measurement by	Savit Chaihana

สถานี		ขบวนเดิน (DB(A))		เดือนพฤษภาคม		ค่ารถเดิน	
เวลา	เดือนพฤษภาคม ไท่ไป๋-กรุงเทพฯ	เดือนพฤษภาคม ไท่ไป๋-กรุงเทพฯ	เดือนพฤษภาคม		เดือนพฤษภาคม ไท่ไป๋-กรุงเทพฯ	เดือนพฤษภาคม ไท่ไป๋-กรุงเทพฯ	ค่ารถเดิน กรุงเทพฯ
			ค่ารถเดิน	ค่ารถเดิน			
04:10 AM - 04:15 AM	43.6	46.6	-	n/a	43.2	-	-
04:15 AM - 04:20 AM	41.4	41.5	-	n/a	46.8	-	-
04:20 AM - 04:25 AM	41.3	41.6	-	n/a	40.7	-	-
04:25 AM - 04:30 AM	43.1	43.9	-	n/a	43.2	-	6.8
04:30 AM - 04:35 AM	44.0	44.6	-	n/a	42.0	-	-
04:35 AM - 04:40 AM	51.0	50.5	-	44.4	41.7	2.7	-
04:40 AM - 04:45 AM	42.5	41.8	-	n/a	41.9	-	-
04:45 AM - 04:50 AM	42.7	43.3	-	n/a	42.5	-	-
04:50 AM - 04:55 AM	40.4	43.7	-	n/a	42.7	-	-
04:55 AM - 05:00 AM	42.2	43.2	-	n/a	41.9	-	-
05:00 AM - 05:05 AM	44.7	45.5	-	n/a	42.5	-	-
05:05 AM - 05:10 AM	42.1	42.7	-	n/a	41.8	-	-
05:10 AM - 05:15 AM	42.5	43.0	-	n/a	42.1	-	-
05:15 AM - 05:20 AM	42.6	43.4	-	n/a	42.1	-	-
05:20 AM - 05:25 AM	40.4	43.1	-	n/a	41.9	-	-
05:25 AM - 05:30 AM	42.5	43.7	-	n/a	42.2	-	-
05:30 AM - 05:35 AM	42.8	44.1	-	n/a	42.4	-	-
05:35 AM - 05:40 AM	43.3	43.7	-	n/a	42.7	-	-
05:40 AM - 05:45 AM	42.7	44.1	-	n/a	43.0	-	-
05:45 AM - 05:50 AM	42.9	44.8	-	n/a	42.4	-	-
05:50 AM - 05:55 AM	42.7	43.5	-	n/a	42.5	-	-
05:55 AM - 06:00 AM	55.2	53.9	-	52.3	42.7	5.6	-
06:00 AM - 07:00 AM	52.6	54.6	n/a	-	42.9	-	-
07:00 AM - 07:10 AM	57.9	54.4	n/a	-	42.9	-	-
07:10 AM - 07:20 AM	57.2	55.4	53.8	-	43.4	10.4	-
07:20 AM - 10:00 AM	52.2	52.6	n/a	-	42.6	-	-
10:00 AM - 11:00 AM	55.0	54.1	47.7	-	42.5	7.2	-
11:00 AM - 12:00 PM	59.0	57.4	53.9	-	39.5	14.4	-
12:00 PM - 01:00 PM	55.4	55.6	n/a	-	39.2	-	-
01:00 PM - 02:00 PM	55.1	54.7	44.5	-	40.4	-	-
02:00 PM - 03:00 PM	51.6	52.6	n/a	-	40.4	-	-
03:00 PM - 04:00 PM	50.5	50.1	39.9	-	39.3	0.6	-

Reference Method :

- หมายเหตุ :-
1. ISO 9996-1
 2. ประกาศกระทรวงมหาดไทย เรื่อง 16การตรวจประเมินผลการปฏิบัติงาน ระบบमितติ 24 ชั่วโมง และระบบนิเทศของศูนย์บริการการแพทย์การโทรมา พ.ศ. 2567
- หมายเหตุ :-
1. ประกาศกระทรวงมหาดไทย เรื่อง กำหนดการประเมินผลการปฏิบัติงานและประเมินผลในโครงการปกครองการโทรมา พ.ศ. 2548
 2. ประกาศกระทรวงมหาดไทย เรื่อง กำหนดการประเมินผลการปฏิบัติงานและประเมินผลในโครงการปกครองการโทรมา พ.ศ. 2561
- Remark :-

Remark:

1. ระดมเสียงจากชนเผ่ากะเหรี่ยง ที่การตรวจจำ วันที่ 27-28 ตุลาคม 2567
2. ระดมเสียงเพื่อรวบรวมระดมเสียงกะเหรี่ยง ไม่มีการตรวจ (Sample No. 24130378-2 วันที่ตรวจ 27-28 ตุลาคม 2567)
3. กะเหรี่ยงสามารถนำระดมเสียงกะเหรี่ยงมาตรวจได้เฉพาะระดมเสียงกะเหรี่ยงที่ตรวจได้เฉพาะระดมเสียงกะเหรี่ยง ไม่มีการตรวจ

The above results are indicative for the analysed herds; however, as indicated in the report, the part of the report or certificate has to be signed in any form without further consent from the laboratory. A 5 LABORATORY GROUP (Thailand) www.5laboratorygroup.com

Approved by _____

Widya

References

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SEE LABORATORY GROUP (THRU) AND CO. 133: See SEE LABORATORY GROUP



Client : Rojana Industrial Park Public Co., Ltd.
2024/115 26TH Fl, Italthai Tower, New Petchburi Road, Banglapi, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laenrhahang
Project Location :

Lot ID: 24110375
Date Received :Nov 06, 2024
Date Reported :Nov 15, 2024
Report Number : 3163482-1

Page 1 of 3

Sample No.	24100375-3
Parameter	เบี่ยงเบน
Location	RI สถานีวัดระดับถนนตัดพหล 2 (GPS 47P 0714309, 1412204)
Measurement Date	Oct 28 - 29, 2024
Measurement by	Santi Chaichana
Sound Level Meter	00233184

เวลา	ข้อมูลจาก สมมติว่าค่า	เมืองตาม ไปกับการพบ	รถเดิน (DB(A))		เมืองที่มุ่งหมาย	ค่าเดิน การพบ
			สถานี	สถานี		
04:00 PM - 05:00 PM	54.6	54.8	n/a	-	40.7	-
05:00 PM - 06:00 PM	61.2	61.4	n/a	-	44.4	-
06:00 PM - 07:00 PM	53.8	57.8	n/a	-	43.1	-
07:00 PM - 08:00 PM	57.7	64.0	n/a	-	53.3	-
08:00 PM - 09:00 PM	58.2	66.8	n/a	-	53.7	-
09:00 PM - 10:00 PM	56.6	63.7	n/a	-	57.6	-
10:00 PM - 10:05 PM	57.9	61.9	-	n/a	55.1	-
10:05 PM - 10:10 PM	59.3	65.5	-	n/a	57.1	-
10:10 PM - 10:15 PM	59.4	66.0	-	n/a	60.8	-
10:15 PM - 10:20 PM	55.4	64.7	-	n/a	55.4	-
10:20 PM - 10:25 PM	59.3	63.1	-	n/a	56.0	-
10:25 PM - 10:30 PM	59.7	63.0	-	n/a	50.0	-
10:30 PM - 10:35 PM	55.3	61.8	-	n/a	54.4	-
10:35 PM - 10:40 PM	55.8	62.4	-	n/a	55.0	-
10:40 PM - 10:45 PM	55.7	61.7	-	n/a	50.8	-
10:45 PM - 10:50 PM	52.8	63.0	-	n/a	57.8	-
10:50 PM - 10:55 PM	51.4	60.7	-	n/a	46.0	-
10:55 PM - 11:00 PM	52.1	63.8	-	n/a	45.9	-
11:00 PM - 11:05 PM	51.9	60.5	-	n/a	45.0	-
11:05 PM - 11:10 PM	54.0	61.8	-	n/a	46.2	-
11:10 PM - 11:15 PM	52.1	63.1	-	n/a	51.0	-
11:15 PM - 11:20 PM	58.4	60.1	-	n/a	49.9	-
11:20 PM - 11:25 PM	58.7	62.1	-	n/a	50.8	-
11:25 PM - 11:30 PM	65.6	66.5	-	n/a	60.9	-
11:30 PM - 11:35 PM	65.1	66.1	-	n/a	61.3	-
11:35 PM - 11:40 PM	61.0	63.6	-	n/a	46.3	-
11:40 PM - 11:45 PM	52.8	57.4	-	n/a	44.7	-
11:45 PM - 11:50 PM	54.8	60.1	-	n/a	46.4	-
11:50 PM - 11:55 PM	55.7	58.8	-	n/a	45.4	-
11:55 PM - 12:00 AM	56.0	60.1	-	n/a	50.0	-
12:00 AM - 12:05 AM	55.6	59.9	-	n/a	47.5	-
12:05 AM - 12:10 AM	57.3	63.2	-	n/a	46.2	-
12:10 AM - 12:15 AM	53.9	63.5	-	n/a	50.3	-
12:15 AM - 12:20 AM	52.6	60.6	-	n/a	45.5	-
12:20 AM - 12:25 AM	53.6	58.1	-	n/a	42.0	-
12:25 AM - 12:30 AM	51.8	57.1	-	n/a	42.0	-
12:30 AM - 12:35 AM	52.1	55.6	-	n/a	41.1	-
12:35 AM - 12:40 AM	52.8	56.5	-	n/a	42.9	-
12:40 AM - 12:45 AM	54.1	58.8	-	n/a	47.2	-
12:45 AM - 12:50 AM	64.4	64.4	-	n/a	47.2	-

The above results are a good basis for the analysis of the use of the 100 indicators in the report. In part of the report for 2009, we may be reproduced many, more sufficient content, content from the above, the 100 indicators group (Table 1) strongly, results clearly that the report is not improved and even in full.

Approved by _____

Willawan Borirak
Manager

Willwan Borra
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. 13thai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laernchabang
Project Location :

Lot ID: 24110375
Date Received :Nov 06, 2024
Date Reported :Nov 15, 2024
Report Number : 3162482

Author's Note:

Sample No.	24110375-3
Parameter	เสียงรบกวน
Location	N1 ซบทยานพาหนะเทียบฝั่งจุดที่ 2 (GPS 47P 0714309, 1442204)
Measurement Date	Oct 28 - 29, 2024
Measurement by	Santi Chaichana
Sound Level Note	งดรถวิ่ง

เวลา	รถยนต์ (DB(A))				เสียงรบกวน การขยาย
	เสียงจาก บนดาดฟ้าบ้าน	เสียงจาก โถงใต้การขนาน	เสียงขณะมีการขนาน		
			ค่าภายใน	ค่าภายนอก	
12:50 AM - 12:55 AM	55.8	57.2	-	n/a	43.5
12:55 AM - 01:00 AM	54.7	57.1	-	n/a	43.7
01:00 AM - 01:05 AM	53.7	55.4	-	n/a	42.2
01:05 AM - 01:10 AM	53.1	55.3	-	n/a	43.1
01:10 AM - 01:15 AM	52.5	56.0	-	n/a	45.2
01:15 AM - 01:20 AM	51.6	54.4	-	n/a	45.0
01:20 AM - 01:25 AM	52.6	53.7	-	n/a	44.5
01:25 AM - 01:30 AM	52.2	54.3	-	n/a	44.7
01:30 AM - 01:35 AM	51.7	51.3	-	44.1	43.7
01:35 AM - 01:40 AM	51.5	50.7	-	46.8	43.8
01:40 AM - 01:45 AM	52.0	52.0	-	n/a	44.4
01:45 AM - 01:50 AM	51.8	52.7	-	50.3	44.4
01:50 AM - 01:55 AM	53.0	56.5	-	n/a	41.8
01:55 AM - 02:00 AM	49.9	53.7	-	n/a	41.5
02:00 AM - 02:05 AM	49.0	54.8	-	n/a	44.2
02:05 AM - 02:10 AM	48.8	48.6	-	39.3	41.5
02:10 AM - 02:15 AM	51.1	52.7	-	n/a	44.1
02:15 AM - 02:20 AM	48.8	47.6	-	n/a	43.2
02:20 AM - 02:25 AM	42.4	46.0	-	n/a	43.1
02:25 AM - 02:30 AM	44.8	47.5	-	n/a	43.9
02:30 AM - 02:35 AM	41.2	43.5	-	n/a	42.6
02:35 AM - 02:40 AM	40.2	47.1	-	n/a	42.3
02:40 AM - 02:45 AM	41.3	42.7	-	n/a	41.8
02:45 AM - 02:50 AM	42.1	43.1	-	n/a	41.9
02:50 AM - 02:55 AM	41.4	42.8	-	n/a	42.4
02:55 AM - 03:00 AM	51.1	51.1	-	n/a	42.5
03:00 AM - 03:05 AM	46.2	57.7	-	n/a	41.6
03:05 AM - 03:10 AM	43.5	49.1	-	n/a	39.3
03:10 AM - 03:15 AM	44.4	46.9	-	n/a	39.4
03:15 AM - 03:20 AM	41.9	41.7	-	21.4	38.2
03:20 AM - 03:25 AM	44.3	60.3	-	n/a	38.4
03:25 AM - 03:30 AM	40.0	51.3	-	n/a	37.0
03:30 AM - 03:35 AM	44.5	54.6	-	n/a	37.2
03:35 AM - 03:40 AM	42.2	39.8	-	41.5	37.5
03:40 AM - 03:45 AM	42.6	41.2	-	40.0	38.1
03:45 AM - 03:50 AM	41.5	43.8	-	38.2	38.5
03:50 AM - 03:55 AM	40.3	-	-	n/a	38.4
03:55 AM - 04:00 AM	42.3	46.5	-	n/a	38.6
04:00 AM - 04:05 AM	42.5	40.3	-	41.5	38.3

The data in this study are available only for the registered trial (see <http://www.clinicaltrials.gov>) as indicated in this report. For parts of this report, a similar table may be reproduced in many forms without written consent from the Laboratory. © Laboratory Group (Thailand).

100

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Wilawan Borla

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italbhai Tower, New Petchburi Road, Bangkok, Huaykang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110375-3
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163482-1

Page 3 of 3

Sample No. : 24110375-3
Parameter : เสียงตามสาย
Location : N1 สนามฟุตบอลเมืองหลวง 2 (GPS 47P 0714309, 1442204)
Measurement Date : Oct 26 - 29, 2024
Measurement by : Santi Chachana
Sound Level Meter : 00233184

เวลา	เสียงจากแหล่งกำเนิด	เสียงตามสาย	เสียงตามสาย (dB(A))		เสียงที่ผู้ตรวจการตรวจพบ	ค่าระดับการตรวจพบ
			ค่าจริง	ค่าเฉลี่ย		
04:10 AM - 04:15 AM	41.2	41.2	-	n/a	37.7	-
04:15 AM - 04:20 AM	46.7	50.1	-	n/a	39.4	-
04:20 AM - 04:25 AM	49.5	47.3	-	n/a	48.5	3.4
04:25 AM - 04:30 AM	39.9	62.4	-	n/a	40.6	-
04:30 AM - 04:35 AM	41.3	46.5	-	n/a	39.4	-
04:35 AM - 04:40 AM	41.0	48.5	-	n/a	40.6	-
04:40 AM - 04:45 AM	41.1	52.7	-	n/a	40.1	-
04:45 AM - 04:50 AM	41.9	51.6	-	n/a	37.7	-
04:50 AM - 04:55 AM	44.0	40.7	-	n/a	40.6	-
04:55 AM - 05:00 AM	44.8	49.2	-	n/a	41.0	-
05:00 AM - 05:05 AM	55.2	55.2	-	n/a	41.0	-
05:05 AM - 05:10 AM	41.7	46.3	-	n/a	40.6	-
05:10 AM - 05:15 AM	42.0	46.0	-	n/a	41.5	-
05:15 AM - 05:20 AM	42.3	55.2	-	n/a	41.1	-
05:20 AM - 05:25 AM	43.5	53.0	-	n/a	42.2	-
05:25 AM - 05:30 AM	43.0	60.3	-	n/a	42.8	-
05:30 AM - 05:35 AM	52.0	61.8	-	n/a	43.2	-
05:35 AM - 05:40 AM	44.1	51.4	-	n/a	41.4	-
05:40 AM - 05:45 AM	50.9	66.7	-	n/a	39.8	-
05:45 AM - 05:50 AM	42.9	52.2	-	n/a	41.0	-
05:50 AM - 05:55 AM	48.6	60.5	-	n/a	41.9	-
05:55 AM - 06:00 AM	41.5	55.7	-	n/a	41.5	-
06:00 AM - 07:00 AM	51.9	59.0	n/a	-	43.7	-
07:00 AM - 08:00 AM	56.8	60.2	n/a	-	45.3	-
08:00 AM - 09:00 AM	51.0	60.1	n/a	-	45.0	-
09:00 AM - 10:00 AM	50.8	59.8	n/a	-	45.1	-
10:00 AM - 11:00 AM	52.8	57.5	n/a	-	45.5	-
11:00 AM - 12:00 PM	51.9	60.6	n/a	-	45.8	-
12:00 PM - 01:00 PM	56.8	61.3	n/a	-	45.8	-
01:00 PM - 02:00 PM	53.1	58.2	n/a	-	46.3	-
02:00 PM - 03:00 PM	56.1	47.7	n/a	-	45.5	8.2
03:00 PM - 04:00 PM	55.4	50.5	47.9	-	45.5	2.4
ค่าเฉลี่ยรวม						46.10

Reference Method :

- ISO 1996-1
- เป็นการตรวจวัดตามมาตรฐานเสียงตามสาย (Sound Level Meter) ตามข้อกำหนดของกรมส่งเสริมการค้าระหว่างประเทศ กระทรวงพาณิชย์ พ.ศ. 2567

- เป็นการตรวจวัดตามมาตรฐานเสียงตามสาย (Sound Level Meter) ตามข้อกำหนดของกรมส่งเสริมการค้าระหว่างประเทศ กระทรวงพาณิชย์ พ.ศ. 2567
- เป็นการตรวจวัดตามมาตรฐานเสียงตามสาย (Sound Level Meter) ตามข้อกำหนดของกรมส่งเสริมการค้าระหว่างประเทศ กระทรวงพาณิชย์ พ.ศ. 2567

Remarks :

- ผลการตรวจวัดตามมาตรฐานเสียงตามสาย (Sound Level Meter) ตามข้อกำหนดของกรมส่งเสริมการค้าระหว่างประเทศ กระทรวงพาณิชย์ พ.ศ. 2567
- ผลการตรวจวัดตามมาตรฐานเสียงตามสาย (Sound Level Meter) ตามข้อกำหนดของกรมส่งเสริมการค้าระหว่างประเทศ กระทรวงพาณิชย์ พ.ศ. 2567
- ค่าเฉลี่ยรวมตามมาตรฐานเสียงตามสาย (Sound Level Meter) ตามข้อกำหนดของกรมส่งเสริมการค้าระหว่างประเทศ กระทรวงพาณิชย์ พ.ศ. 2567

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italbhai Tower, New Petchburi Road, Bangkok, Huaykang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110375-4
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163483-1

Page 1 of 3

Sample No. : 24110375-4
Parameter : เสียงตามสาย
Location : N1 สนามฟุตบอลเมืองหลวง 2 (GPS 47P 0714309, 1442204)
Measurement Date : Oct 29 - 30, 2024
Measurement by : Santi Chachana
Sound Level Meter : 00233184

เวลา	เสียงจากแหล่งกำเนิด	เสียงตามสาย	เสียงตามสาย (dB(A))		เสียงที่ผู้ตรวจการตรวจพบ	ค่าระดับการตรวจพบ
			ค่าจริง	ค่าเฉลี่ย		
04:00 PM - 05:00 PM	55.9	49.1	54.9	-	44.9	10.0
05:00 PM - 06:00 PM	62.2	49.4	47.0	-	41.1	20.9
06:00 PM - 07:00 PM	59.4	50.5	51.8	-	41.8	17.6
07:00 PM - 08:00 PM	53.5	54.0	n/a	-	44.8	-
08:00 PM - 09:00 PM	56.0	57.3	n/a	-	44.0	-
09:00 PM - 10:00 PM	55.1	49.4	52.7	-	37.2	16.5
10:00 PM - 10:05 PM	50.8	53.5	53.5	-	36.6	16.9
10:05 PM - 10:10 PM	54.0	51.9	52.8	-	36.7	16.1
10:10 PM - 10:15 PM	52.0	43.0	55.3	-	36.3	19.0
10:15 PM - 10:20 PM	51.3	47.9	54.8	-	36.5	18.3
10:20 PM - 10:25 PM	56.0	38.1	54.9	-	36.0	22.9
10:25 PM - 10:30 PM	57.2	44.9	59.9	-	36.3	22.6
10:30 PM - 10:35 PM	57.2	57.2	57.6	-	37.4	22.2
10:35 PM - 10:40 PM	57.4	40.3	60.3	-	36.7	22.6
10:40 PM - 10:45 PM	59.1	43.4	63.0	-	36.6	25.4
10:45 PM - 10:50 PM	61.2	56.4	62.5	-	41.2	21.2
10:50 PM - 10:55 PM	59.4	45.0	57.1	-	37.2	19.9
10:55 PM - 11:00 PM	55.4	45.7	57.9	-	37.8	20.1
11:00 PM - 11:05 PM	56.1	47.5	58.5	-	39.8	18.7
11:05 PM - 11:10 PM	55.8	52.3	56.2	-	39.6	18.6
11:10 PM - 11:15 PM	53.8	41.7	56.5	-	38.7	18.7
11:15 PM - 11:20 PM	53.8	41.8	54.6	-	37.7	16.9
11:20 PM - 11:25 PM	54.3	39.1	57.2	-	36.9	20.5
11:25 PM - 11:30 PM	54.8	50.9	55.5	-	36.2	19.3
11:30 PM - 11:35 PM	54.4	45.6	56.8	-	37.0	19.1
11:35 PM - 11:40 PM	52.8	45.1	55.0	-	36.4	18.6
11:40 PM - 11:45 PM	51.5	45.5	55.8	-	36.6	19.3
11:45 PM - 11:50 PM	54.4	44.0	57.0	-	36.3	20.7
11:50 PM - 11:55 PM	53.0	50.5	52.4	-	36.8	15.6
11:55 PM - 12:00 AM	55.1	49.0	56.9	-	36.9	20.3
12:00 AM - 12:05 AM	51.7	41.2	52.1	-	36.4	15.5
12:05 AM - 12:10 AM	48.5	50.0	n/a	-	36.9	-
12:10 AM - 12:15 AM	45.7	52.5	n/a	-	37.0	-
12:15 AM - 12:20 AM	49.1	38.3	51.2	-	35.4	16.3
12:20 AM - 12:25 AM	45.4	41.4	46.2	-	33.4	12.8
12:25 AM - 12:30 AM	46.2	45.8	48.5	-	32.8	16.7
12:30 AM - 12:35 AM	47.0	47.0	51.3	-	31.3	20.8
12:35 AM - 12:40 AM	47.0	50.1	n/a	-	31.1	-
12:40 AM - 12:45 AM	50.6	33.7	53.5	-	30.7	22.8
12:45 AM - 12:50 AM	46.3	45.2	43.4	-	31.4	10.0

Approved by

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italbhai Tower, New Petchburi Road, Bangkok, Huaykang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110375-5
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163483-1

Page 2 of 3

Sample No. : 24110375-5
Parameter : เสียงตามสาย
Location : N1 สนามฟุตบอลเมืองหลวง 2 (GPS 47P 0714309, 1442204)
Measurement Date : Oct 29 - 30, 2024
Measurement by : Santi Chachana
Sound Level Meter : 00233184

เวลา	เสียงจากแหล่งกำเนิด	เสียงตามสาย	เสียงตามสาย (dB(A))		เสียงที่ผู้ตรวจการตรวจพบ	ค่าระดับการตรวจพบ
			ค่าจริง	ค่าเฉลี่ย		
17:50 AM - 17:55 AM	48.0	56.0	-	n/a	38.2	-
17:55 AM - 18:00 AM	47.5	47.6	-	n/a	38.2	-
18:00 AM - 18:05 AM	43.2	52.5	-	n/a	38.3	-
18:05 AM - 18:10 AM	42.7	56.2	-	n/a	37.6	18.1
18:10 AM - 18:15 AM	42.6	49.1	-	n/a	38.1	-
18:15 AM - 18:20 AM	43.4	26.2	-	45.5	33.4	12.1
18:20 AM - 18:25 AM	41.3	50.1	-	n/a	37.9	-
18:25 AM - 18:30 AM	51.9	52.4	-	n/a	35.4	-
18:30 AM - 18:35 AM	41.8	41.6	-	31.3	35.6	-4.3
18:35 AM - 18:40 AM	41.0	48.9	-	n/a	36.6	-
18:40 AM - 18:45 AM	41.2	43.2	-	n/a	41.0	-
18:45 AM - 18:50 AM	42.4	48.9	-	n/a	41.2	-
18:50 AM - 18:55 AM	42.2	51.0	-	n/a	40.9	-
18:55 AM - 19:00 AM	43.6	55.2	-	n/a	39.6	-
19:00 AM - 19:05 AM	41.4	56.2	-	n/a	41.4	-
19:05 AM - 19:10 AM	42.9	56.0	-	n/a	42.9	-
19:10 AM - 19:15 AM	46.0	57.6	-	n/a	50.8	-
19:15 AM - 19:20 AM	41.6	59.6	-	n/a	43.3	-
19:20 AM - 19:25 AM	42.6	43.6	-	n/a	43.9	-
19:25 AM - 19:30 AM	44.5	59.9	-	n/a	55.9	-
19:30 AM - 19:35 AM	43.9	51.9	-	n/a	44.1	-
19:35 AM - 19:40 AM	43.0	43.0	-	32.2	38.1	-5.5
19:40 AM - 19:45 AM	43.1	53.0	-	n/a	38.4	-
19:45 AM - 19:50 AM	42.8	42.9	-	n/a	37.8	-
19:50 AM - 19:55 AM	41.8	41.8	-	n/a	39.1	-
19:55 AM - 20:00 AM	44.5	58.6	-	n/a	44.5	-
20:00 AM - 20:05 AM	47.3	57.1	-	n/a	41.0	-
20:05 AM - 20:10 AM	46.6	56.9	-	n/a	44.1	-
20:10 AM - 20:15 AM	41.1	57.2	-	n/a	52.2	-
20:15 AM - 20:20 AM	50.7	60.5	-	n/a	45.0	-
20:20 AM - 20:25 AM	48.9	60.7	-	n/a	46.0	-
20:25 AM - 20:30 AM	46.9	58.7	-	n/a	52.3	-
20:30 AM - 20:35 AM	41.1	57.2	-	n/a	52.2	-
20:35 AM - 20:40 AM	41.8	54.9	-	n/a	47.0	-
20:40 AM - 20:45 AM	44.8	50.2	-	n/a	44.5	-
20:45 AM - 20:50 AM	45.2	49.8	-	n/a	46.0	-
20:50 AM - 20:55 AM	45.0	46.3	-	n/a	40.9	-
20:55 AM - 21:00 AM	43.4	59.9	-	n/a	40.7	-
21:00 AM - 21:05 AM	47.6	60.7	-	n/a	46.3	-
21:05 AM - 21:10 AM	45.9	46.7	-	n/a	41.5	-
21:10 AM - 21:15 AM	46.7	-	-	45.5	37.8	7.7

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RIGHT SOLUTIONS PROJECT PARTNER



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italbhai Tower, New Petchburi Road, Bangkok, Huaykang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110375-6
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163483-1

Page 3 of 3

Sample No. : 24110375-6
Parameter : เสียงตามสาย
Location : N1 สนามฟุตบอลเมืองหลวง 2 (GPS 47P 0714309, 1442204)
Measurement Date : Oct 29 - 30, 2024
Measurement by : Santi Chachana
Sound Level Meter : 00233184

เวลา	เสียงจากแหล่งกำเนิด	เสียงตามสาย	เสียงตามสาย (dB(A))		เสียงที่ผู้ตรวจการตรวจพบ	เสียงที่ผู้ตรวจ	ค่าตามเสียง
			ค่าจริง	ค่าเฉลี่ย			
04:10 AM - 04:15 AM	46.0	54.5	-	n/a	38.2	-	-
04:15 AM - 04:20 AM	45.2	46.3	-	n/a	38.2	-	-
04:20 AM - 04:25 AM	44.4	56.5	-	n/a	38.3	-	-
04:25 AM - 04:30 AM	42.9	42.9	-	n/a	37.6	37.6	-0.1
04:30 AM - 04:35 AM	42.3	47.9	-	n/a	38.1	-	-
04:35 AM - 04:40 AM	41.9	49.8	-	n/a	39.3	-	-
04:40 AM - 04:45 AM	42.1	47.6	-	n/a	39.5	-	-
04:45 AM - 04:50 AM	42.6	58.3	-	n/a	40.3	-	-
04:50 AM - 04:55 AM	43.2	55.6	-	n/a	39.9	-	-
04:55 AM - 05:00 AM	42.6	52.7	-	n/a	39.6	-	-
05:00 AM - 05:05 AM	40.7	52.3	-	n/a	39.8	-	-
05:05 AM - 05:10 AM	41.9	48.2	-	n/a	39.0	-	-
05:10 AM - 05:15 AM	41.5	49.5	-	n/a	39.0	39.0	-5.8
05:15 AM - 05:20 AM	53.9	52.5	-	51.3	40.2	-	11.1
05:20 AM - 05:25 AM	57.3	60.5	-	n/a	41.6	-	-
05:25 AM - 05:30 AM	45.9	60.1	-	n/a	41.3	-	-
05:30 AM - 05:35 AM	45.1	57.4	-	n/a	42.3	-	-
05:35 AM - 05:40 AM	45.8	48.7	-	n/a	40.7	-	-
05:40 AM - 05:45 AM	43.9	58.2	-	n/a	40.0	-	-
05:45 AM - 05:50 AM	41.6	48.8	-	n/a	40.8	-	-
05:50 AM - 05:55 AM	42.3	48.0	-	n/a	41.9	-	-
05:55 AM - 06:00 AM	41.4	52.9	-	n/a	41.0	-	-
06:00 AM - 06:05 AM	51.9	60.8	-	n/a	42.6	-	-
06:05 AM - 06:10 AM	50.8	56.7	-	46.7	44.8	44.8	1.9
06:10 AM - 06:15 AM	53.9	48.0	52.6	-	46.9	46.9	1.1
06:15 AM - 10:00 AM	50.4	46.5	48.1	-	29.2	29.2	8.4
10:00 AM - 11:00 AM	49.6	46.6	41.2	-	41.4	41.4	2.3
11:00 AM - 12:00 PM	49.0	48.1	41.2	-	40.8	40.8	0.9
12:00 PM - 01:00 PM	56.7	58.1	n/a	-	29.5	29.5	9.9
01:00 PM - 02:00 PM	52.7	50.8	50.8	-	40.5	40.5	0.9
02:00 PM - 03:00 PM	57.5	44.1	57.3	-	42.5	42.5	3.4
03:00 PM - 04:00 PM	53.5	47.3	53.1	-	40.3	40.3	12.8



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italtai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Lamchabang
Project Location : Lamchabang

Lot ID: 24110375
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163484-1

Sample No. : 24110375-5
Parameter : เสียงรบกวน
Location : N1 ซอยนาเกลือซอยย่อยที่ 2 (GPS 47P 0714309, 1442204)
Measurement Date : Oct 30 - 31, 2024
Measurement by : Sandi Chakchana
Sound Level Meter : 00233184

Page 1 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	เสียงรบกวนที่ตรวจพบ		เสียงพื้นฐาน	ค่ารวม
			ค่าเฉลี่ย	ค่าเฉลี่ย		
04:00 PM - 05:00 PM	53.7	52.6	47.2	-	49.3	-2.1
05:00 PM - 06:00 PM	58.2	49.1	57.6	-	45.8	11.7
06:00 PM - 07:00 PM	59.6	53.1	58.5	-	41.2	17.3
07:00 PM - 08:00 PM	59.6	54.3	n/a	-	42.5	-
08:00 PM - 09:00 PM	59.0	53.5	57.6	-	37.8	19.8
09:00 PM - 10:00 PM	57.4	53.5	57.5	-	36.4	-
10:00 PM - 10:05 PM	56.0	58.3	-	n/a	34.6	-
10:05 PM - 10:10 PM	56.3	61.3	-	n/a	37.3	-
10:10 PM - 10:15 PM	53.6	56.4	-	n/a	35.7	-
10:15 PM - 10:20 PM	54.2	41.0	-	56.6	34.8	21.8
10:20 PM - 10:25 PM	52.5	55.8	-	n/a	35.4	-
10:25 PM - 10:30 PM	53.3	57.0	-	n/a	38.1	-
10:30 PM - 10:35 PM	53.5	53.7	-	n/a	36.6	-
10:35 PM - 10:40 PM	54.3	56.6	-	n/a	34.9	-
10:40 PM - 10:45 PM	53.5	58.3	-	n/a	35.1	-
10:45 PM - 10:50 PM	49.2	52.8	-	n/a	32.6	-
10:50 PM - 10:55 PM	53.8	52.1	-	51.9	33.5	18.4
10:55 PM - 11:00 PM	56.4	54.3	-	55.2	35.1	20.1
11:00 PM - 11:05 PM	53.4	54.5	-	n/a	33.2	-
11:05 PM - 11:10 PM	52.5	55.1	-	n/a	34.7	-
11:10 PM - 11:15 PM	49.9	56.9	-	n/a	36.0	-
11:15 PM - 11:20 PM	53.7	57.9	-	n/a	35.3	-
11:20 PM - 11:25 PM	44.1	58.9	-	n/a	36.6	-
11:25 PM - 11:30 PM	51.6	36.6	-	54.5	32.8	21.7
11:30 PM - 11:35 PM	48.6	41.1	-	50.7	35.5	15.2
11:35 PM - 11:40 PM	52.1	56.2	-	n/a	36.1	-
11:40 PM - 11:45 PM	54.4	59.4	-	n/a	35.9	-
11:45 PM - 11:50 PM	53.7	55.1	-	n/a	35.0	-
11:50 PM - 11:55 PM	55.2	54.4	-	50.5	35.5	15.0
11:55 PM - 12:00 PM	53.3	53.3	-	n/a	36.9	-
12:00 AM - 12:05 AM	51.3	38.2	-	54.1	34.8	19.3
12:05 AM - 12:10 AM	49.4	36.6	-	n/a	34.2	-
12:10 AM - 12:15 AM	49.9	46.7	-	46.7	33.6	13.1
12:15 AM - 12:20 AM	49.3	56.7	-	n/a	34.0	-
12:20 AM - 12:25 AM	50.5	54.0	-	n/a	38.5	-
12:25 AM - 12:30 AM	39.3	47.2	-	n/a	37.4	-
12:30 AM - 12:35 AM	38.4	46.5	-	n/a	37.3	-
12:35 AM - 12:40 AM	39.8	57.1	-	n/a	38.4	-
12:40 AM - 12:45 AM	39.8	57.2	-	n/a	37.6	-
12:45 AM - 12:50 AM	39.2	56.2	-	n/a	38.4	-

Approved by

Wibab
Wibab Borik
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italtai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Lamchabang
Project Location : Lamchabang

Lot ID: 24110375
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163484-1

Sample No. : 24110375-5
Parameter : เสียงรบกวน
Location : N1 ซอยนาเกลือซอยย่อยที่ 2 (GPS 47P 0714309, 1442204)
Measurement Date : Oct 30 - 31, 2024
Measurement by : Sandi Chakchana
Sound Level Meter : 00233184

Page 3 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	เสียงรบกวนที่ตรวจพบ		เสียงพื้นฐาน	ค่ารวม
			ค่าเฉลี่ย	ค่าเฉลี่ย		
04:10 AM - 04:15 AM	39.8	42.3	-	n/a	38.8	-
04:15 AM - 04:20 AM	42.4	48.3	-	n/a	40.0	-
04:20 AM - 04:25 AM	40.4	43.3	-	n/a	40.9	-
04:25 AM - 04:30 AM	40.6	42.4	-	n/a	39.9	-
04:30 AM - 04:35 AM	42.2	53.1	-	n/a	39.3	-
04:35 AM - 04:40 AM	42.4	42.8	-	n/a	41.3	-
04:40 AM - 04:45 AM	54.4	52.9	-	n/a	51.1	-
04:45 AM - 04:50 AM	55.3	48.6	-	57.3	41.7	15.6
04:50 AM - 04:55 AM	57.7	43.5	-	60.5	41.2	19.3
04:55 AM - 05:00 AM	41.7	46.4	-	n/a	41.0	-
05:00 AM - 05:05 AM	42.8	46.4	-	n/a	41.8	-
05:05 AM - 05:10 AM	42.2	56.9	-	n/a	41.4	-
05:10 AM - 05:15 AM	43.3	61.8	-	n/a	42.2	-
05:15 AM - 05:20 AM	42.1	56.2	-	n/a	41.9	-
05:20 AM - 05:25 AM	43.9	53.0	-	n/a	42.1	-
05:25 AM - 05:30 AM	41.5	60.2	-	n/a	43.0	-
05:30 AM - 05:35 AM	42.0	52.3	-	n/a	42.7	-
05:35 AM - 05:40 AM	41.4	48.3	-	n/a	41.3	-
05:40 AM - 05:45 AM	42.9	49.5	-	n/a	42.4	-
05:45 AM - 05:50 AM	40.9	51.2	-	n/a	43.1	-
05:50 AM - 05:55 AM	48.0	57.7	-	n/a	43.8	-
05:55 AM - 06:00 AM	41.9	54.6	-	n/a	40.4	-
06:00 AM - 07:00 AM	53.3	56.1	n/a	-	43.2	-
07:00 AM - 08:00 AM	54.7	52.0	n/a	-	44.7	6.7
08:00 AM - 09:00 AM	52.6	56.5	n/a	-	45.1	-
09:00 AM - 10:00 AM	58.8	64.6	n/a	-	45.8	-
10:00 AM - 11:00 AM	55.6	65.5	n/a	-	45.0	-
11:00 AM - 12:00 PM	55.0	52.0	n/a	-	44.5	-
12:00 PM - 01:00 PM	54.6	55.7	n/a	-	44.3	-
01:00 PM - 02:00 PM	50.8	58.1	n/a	-	41.7	-
02:00 PM - 03:00 PM	53.7	57.8	n/a	-	45.8	12.4
03:00 PM - 04:00 PM	47.9	49.1	n/a	-	45.6	-

Reference Method :

- ISO 1996-1
- ใช้มาตรฐานของกรมมาตรฐาน (ป.ส.) สำหรับการใช้เครื่องมือวัดเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่ค่าการกระจายของเสียงตามเวลา

- ใช้มาตรฐานของกรมมาตรฐาน (ป.ส.) สำหรับการใช้เครื่องมือวัดเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่ค่าการกระจายของเสียงตามเวลา
- ใช้มาตรฐานของกรมมาตรฐาน (ป.ส.) สำหรับการใช้เครื่องมือวัดเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่ค่าการกระจายของเสียงตามเวลา

- ใช้มาตรฐานของกรมมาตรฐาน (ป.ส.) สำหรับการใช้เครื่องมือวัดเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่ค่าการกระจายของเสียงตามเวลา
- ใช้มาตรฐานของกรมมาตรฐาน (ป.ส.) สำหรับการใช้เครื่องมือวัดเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่ค่าการกระจายของเสียงตามเวลา
- ใช้มาตรฐานของกรมมาตรฐาน (ป.ส.) สำหรับการใช้เครื่องมือวัดเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่ค่าการกระจายของเสียงตามเวลา

Approved by

Wibab
Wibab Borik
Manager

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ALSCHEMIST LTD. (UK) LTD. (THAILAND) LTD. (USA) LTD. (JAPAN)



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italtai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Lamchabang
Project Location : Lamchabang

Lot ID: 24110375
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163484-1

Sample No. : 24110375-5
Parameter : เสียงรบกวน
Location : N1 ซอยนาเกลือซอยย่อยที่ 2 (GPS 47P 0714309, 1442204)
Measurement Date : Oct 30 - 31, 2024
Measurement by : Sandi Chakchana
Sound Level Meter : 00233184

Page 2 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	เสียงรบกวนที่ตรวจพบ		เสียงพื้นฐาน	ค่ารวม
			ค่าเฉลี่ย	ค่าเฉลี่ย		
12:50 AM - 12:55 AM	40.3	53.9	-	n/a	38.1	-
12:55 AM - 01:00 AM	49.8	52.6	-	n/a	49.8	37.5
01:00 AM - 01:05 AM	50.7	42.0	-	n/a	51.1	27.0
01:05 AM - 01:10 AM	45.4	54.4	-	n/a	37.4	-
01:10 AM - 01:15 AM	40.8	55.4	-	n/a	37.6	-
01:15 AM - 01:20 AM	42.4	53.5	-	n/a	36.5	-
01:20 AM - 01:25 AM	43.6	51.8	-	n/a	36.4	-
01:25 AM - 01:30 AM	40.3	49.9	-	n/a	36.4	-
01:30 AM - 01:35 AM	41.0	53.7	-	n/a	41.0	24.8
01:35 AM - 01:40 AM	40.6	36.2	-	41.6	33.1	8.5
01:40 AM - 01:45 AM	40.6	43.4	-	n/a	34.7	-
01:45 AM - 01:50 AM	41.0	46.3	-	n/a	34.2	-
01:50 AM - 01:55 AM	42.4	50.9	-	n/a	35.1	-
01:55 AM - 02:00 AM	40.8	40.8	-	n/a	35.0	-
02:00 AM - 02:05 AM	39.7	42.7	-	n/a	38.7	-
02:05 AM - 02:10 AM	39.1	54.9	-	n/a	39.7	-
02:10 AM - 02:15 AM	45.9	46.2	-	n/a	40.1	-
02:15 AM - 02:20 AM	40.2	47.4	-	n/a	46.8	-
02:20 AM - 02:25 AM	43.9	44.7	-	n/a	40.9	-
02:25 AM - 02:30 AM	40.4	48.1	-	n/a	40.9	-
02:30 AM - 02:35 AM	40.8	46.6	-	n/a	40.8	-
02:35 AM - 02:40 AM	40.7	63.6	-	n/a	42.3	-
02:40 AM - 02:45 AM	40.9	47.6	-	n/a	40.9	-
02:45 AM - 02:50 AM	40.9	47.3	-	n/a	47.0	-
02:50 AM - 02:55 AM	41.3	55.2	-	n/a	43.0	-
02:55 AM - 03:00 AM	40.3	43.9	-	n/a	41.8	-
03:00 AM - 03:05 AM	39.9	50.1	-	n/a	41.7	-
03:05 AM - 03:10 AM	41.1	51.1	-	n/a	41.5	-
03:10 AM - 03:15 AM	39.8	55.1	-	n/a	42.4	-
03:15 AM - 03:20 AM	41.4	45.6	-	n/a	41.7	-
03:20 AM - 03:25 AM	39.4	43.3	-	n/a	41.8	-
03:25 AM - 03:30 AM	40.4	56.4	-	n/a	40.9	-
03:30 AM - 03:35 AM	39.9	43.8	-	n/a	40.0	-
03:35 AM - 03:40 AM	40.6	44.4	-	n/a	39.9	-
03:40 AM - 03:45 AM	40.3	52.1	-	n/a	38.4	-
03:45 AM - 03:50 AM	50.7	50.7	-	51.0	39.4	13.6
03:50 AM - 03:55 AM	55.3	39.3	-	54.2	38.2	20.0
03:55 AM - 04:00 AM	58.0	44.8	-	60.8	39.7	22.1
04:00 AM - 04:05 AM	57.4	46.8	-	60.3	39.0	21.3
04:05 AM - 04:10 AM	39.9	47.9	-	n/a	39.5	-

Approved by

Wibab
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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italtai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Lamchabang
Project Location : Lamchabang

Lot ID: 24110375
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163484-1

Sample No. : 24110375-6
Parameter : เสียงรบกวน
Location : N1 ซอยนาเกลือซอยย่อยที่ 2 (GPS 47P 0714309, 1442204)
Measurement Date : Oct 31 - Nov 01, 2024
Measurement by : Sandi Chakchana
Sound Level Meter : 00233184

Page 1 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	เสียงรบกวนที่ตรวจพบ		เสียงพื้นฐาน	ค่ารวม
			ค่าเฉลี่ย	ค่าเฉลี่ย		
04:00 PM - 05:00 PM	55.6	54.0	-	45.9	8.1	-
05:00 PM - 06:00 PM	54.9	47.9	54.8	-	39.6	19.2
06:00 PM - 07:00 PM	52.1	52.1	-	53.1	41.7	10.4
07:00 PM - 08:00 PM	53.6	56.6	-	48.2	-	-
08:00 PM - 09:00 PM	61.4	55.4	60.1	-	40.0	20.1
09:00 PM - 10:00 PM	64.5	54.0	64.1	-	35.5	28.6
10:00 PM - 10:05 PM	62.7	46.6	-	55.0	34.0	31.6
10:05 PM - 10:10 PM	60.9	46.6	-	43.9	32.9	29.9
10:10 PM - 10:15 PM	61.1	46.6	-	61.8	33.7	30.1
10:15 PM - 10:20 PM	62.2	53.6	-	62.2	30.7	29.7
10:20 PM - 10:25 PM	61.5	54.1	-	63.6	24.3	29.3
10:25 PM - 10:30 PM	61.7	35.7	-	64.7	33.4	31.3
10:30 PM - 10:35 PM	51.5	55.5	-	n/a	35.2	-
10:35 PM - 10:40 PM	51.8	50.4	-	n/a	49.2	14.4
10:40 PM - 10:45 PM	64.5	39.7	-	62.5	35.3	32.2
10:45 PM - 10:50 PM	67.9	38.8	-	70.9	33.8	3

Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN/ICB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110375
Date Received :Nov 06, 2024
Date Reported :Nov 15, 2024
Report Number : 3163485-1

Page 2 of 3

Sample No.	24110375-6
Parameter	เสียงรบกวน
Location	NI ขนส่งบ้านพระพรหมกม.ถัยมจธ 2 (GPS 47P 0734309, 1442204)
Measurement Date	Oct 31 - Nov 01, 2024
Measurement by	Santi Chakhana
Sound Level Meter	00233184

เวลา	เส้นทาง แยกเข้า-ออก	เส้นทาง ไม่มีการขนถ่าย	เส้นทางเดิน (dB(A))		เส้นทางขนถ่าย	ค่าเสียง การขนถ่าย
			ค่าเสียง	ค่าเสียง		
12:50 AM - 12:55 AM	45.2	40.8	-	ก/ด	36.0	-
12:55 AM - 01:00 AM	56.5	46.3	-	59.1	36.4	22.7
01:00 AM - 01:05 AM	46.0	41.4	-	47.2	35.7	11.5
01:05 AM - 01:10 AM	46.2	52.5	-	71.1	36.9	24.2
01:10 AM - 01:15 AM	54.3	49.6	-	ก/ด	36.7	16.9
01:15 AM - 01:20 AM	48.8	45.6	-	ก/ด	37.5	-
01:20 AM - 01:25 AM	44.4	39.6	-	43.7	37.5	8.2
01:25 AM - 01:30 AM	43.4	40.5	-	43.3	38.3	5.0
01:30 AM - 01:35 AM	40.1	51.6	-	ก/ด	39.4	-
01:35 AM - 01:40 AM	43.8	43.8	-	ก/ด	39.1	-
01:40 AM - 01:45 AM	41.2	41.2	-	ก/ด	41.0	-
01:45 AM - 01:50 AM	43.3	50.3	-	ก/ด	39.8	-
01:50 AM - 01:55 AM	42.8	49.6	-	ก/ด	39.3	-
01:55 AM - 02:00 AM	41.9	58.9	-	ก/ด	40.3	-
02:00 AM - 02:05 AM	44.2	46.9	-	ก/ด	41.0	-
02:05 AM - 02:10 AM	39.6	45.6	-	ก/ด	39.6	-
02:10 AM - 02:15 AM	37.8	50.0	-	ก/ด	39.2	-
02:15 AM - 02:20 AM	37.8	49.0	-	ก/ด	39.2	-
02:20 AM - 02:25 AM	37.1	45.2	-	ก/ด	40.0	-
02:25 AM - 02:30 AM	45.5	51.5	-	ก/ด	39.0	-
02:30 AM - 02:35 AM	37.6	52.7	-	ก/ด	38.4	-
02:35 AM - 02:40 AM	40.2	40.2	-	ก/ด	39.9	1.8
02:40 AM - 02:45 AM	38.5	54.7	-	ก/ด	38.6	-
02:45 AM - 02:50 AM	42.3	51.7	-	ก/ด	38.2	-
02:50 AM - 02:55 AM	37.2	51.4	-	ก/ด	38.6	-
02:55 AM - 03:00 AM	36.4	48.2	-	ก/ด	38.2	-
03:00 AM - 03:05 AM	40.5	48.2	-	ก/ด	38.4	-
03:05 AM - 03:10 AM	39.4	48.4	-	ก/ด	38.5	-
03:10 AM - 03:15 AM	31.4	42.1	-	ก/ด	39.1	-
03:15 AM - 03:20 AM	40.1	46.0	-	ก/ด	39.7	-
03:20 AM - 03:25 AM	40.1	51.2	-	ก/ด	41.4	-
03:25 AM - 03:30 AM	38.8	45.9	-	ก/ด	40.6	-
03:30 AM - 03:35 AM	44.1	45.0	-	ก/ด	39.1	-
03:35 AM - 03:40 AM	52.8	51.0	-	51.1	38.4	12.7
03:40 AM - 03:45 AM	55.4	49.8	-	52.0	38.9	18.1
03:45 AM - 03:50 AM	55.5	54.2	-	54.6	38.4	13.4
03:50 AM - 03:55 AM	66.0	52.0	-	62.3	37.6	24.7
03:55 AM - 04:00 AM	38.0	47.6	-	ก/ด	37.3	-
04:00 AM - 04:05 AM	38.6	56.8	-	ก/ด	37.6	-
04:05 AM - 04:10 AM	37.8	47.6	-	ก/ด	37.6	-

Approved by _____

Wilawan Borirak
Manager

KODPONS 616/10 Moo 5 T. Maenam Khw. A. Phukdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH FL Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310

P/O : RJN-LCB-033/66

Project Name : Laemthabang

Project Location :

Lot ID: 24110375
Date Received :Nov 06, 2024
Date Reported :Nov 15, 2024
Report Number : 3163486-1

Page 1 of 3

Sample No.	24110375-7
Parameter	เสียงรบกวน
Location	N1 ถนนพหลโยธินจุดที่ 2 (GPS 47P 0714309, 1442204)
Measurement Date	Nov 01 - 02, 2024
Measurement by	Santi Chaikhana
Sound Level Meter	00233184

เวลา	เที่ยวจาก แนวคำป้อม	เที่ยวกลับ ไปคำป้อม	เส้นทางสายบริการชุมชน		เที่ยวกลับฐาน	ค่าวิ่ง
			จากฐาน	กลับฐาน		
04:00 PM - 05:00 PM	53.4	41.5	53.1	-	38.3	14.8
05:00 PM - 06:00 PM	54.5	41.5	54.3	-	39.7	14.8
06:00 PM - 07:00 PM	52.4	50.5	47.9	-	42.5	5.4
07:00 PM - 08:00 PM	60.3	58.2	56.1	-	44.0	12.1
08:00 PM - 09:00 PM	64.7	60.2	62.8	-	45.6	12.6
09:00 PM - 10:00 PM	54.5	51.6	57.5	-	44.9	17.2
10:00 PM - 10:05 PM	62.9	49.1	-	63.7	44.0	21.7
10:05 PM - 10:10 PM	63.8	47.3	-	66.2	44.0	22.7
10:10 PM - 10:15 PM	61.4	57.5	-	64.6	45.3	22.3
10:15 PM - 10:20 PM	66.7	41.8	-	69.6	45.2	24.4
10:20 PM - 10:25 PM	64.1	55.5	-	65.5	45.6	20.8
10:25 PM - 10:30 PM	64.3	54.7	-	64.8	46.0	20.0
10:30 PM - 10:35 PM	62.0	63.0	-	61.9	46.5	-
10:35 PM - 10:40 PM	54.7	56.8	-	63.6	45.8	21.8
10:40 PM - 10:45 PM	64.3	56.2	-	66.2	45.5	20.3
10:45 PM - 10:50 PM	63.4	55.2	-	65.7	44.7	21.0
10:50 PM - 10:55 PM	62.7	60.4	-	63.8	44.2	17.6
10:55 PM - 11:00 PM	57.8	61.8	-	61.8	45.8	-
11:00 PM - 11:05 PM	64.1	59.7	-	65.1	45.0	20.1
11:05 PM - 11:10 PM	61.5	52.7	-	63.7	43.0	20.7
11:10 PM - 11:15 PM	63.1	42.8	-	66.0	42.1	23.2
11:15 PM - 11:20 PM	51.9	57.4	-	59.2	41.4	15.9
11:20 PM - 11:25 PM	54.9	51.9	-	60.9	43.7	10.9
11:25 PM - 11:30 PM	54.9	46.7	-	56.7	44.0	12.7
11:30 PM - 11:35 PM	56.9	64.3	-	64.3	44.5	-
11:35 PM - 11:40 PM	58.3	54.2	-	60.6	43.2	15.7
11:40 PM - 11:45 PM	51.6	52.0	-	61.9	44.2	-
11:45 PM - 11:50 PM	48.5	46.4	-	47.3	42.1	5.2
11:50 PM - 11:55 PM	59.6	56.0	-	60.1	43.2	16.5
11:55 PM - 12:00 AM	51.9	58.2	-	61.9	42.9	-
12:00 AM - 12:05 AM	54.5	54.5	-	61.9	43.0	-
12:05 AM - 12:10 AM	54.1	57.1	-	61.9	43.7	-
12:10 AM - 12:15 AM	52.3	58.9	-	61.9	42.4	-
12:15 AM - 12:20 AM	55.5	54.7	-	61.9	42.0	-
12:20 AM - 12:25 AM	55.6	50.2	-	57.1	41.1	16.0
12:25 AM - 12:30 AM	55.9	43.1	-	50.2	37.6	12.1
12:30 AM - 12:35 AM	55.2	49.8	-	52.9	41.6	13.6
12:35 AM - 12:40 AM	52.3	49.4	-	54.0	41.4	12.6
12:40 AM - 12:45 AM	51.0	43.2	-	54.4	41.8	15.8

Approved by _____

Wilawan Borirak
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10130
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110375
Date Received :Nov 06, 2024
Date Reported :Nov 15, 2024
Report Number : 3163485-1

Page 3 of 3

Sample No.	24110375-6
Parameter	เสียงรบกวน
Location	NI ชนบทบ้านดงเคียนเคียวจุดที่ 2 (GPS 47P 0714309, 1442204)
Measurement Date	Oct 31 - Nov 01, 2024
Measurement by	Santi Chachana
Sound Level Meter	00233184

เวลา	ระดับเสียง (dB(A))					ค่าพิกัด การจราจร
	เสียงจาก ถนนใกล้เคียง	เสียงจาก โถงใต้รถยนต์	เสียงจากอาคารพาณิชย์		เสียงอื่น ๆ	
			ภายใน	ภายนอก		
04:10 AM - 04:15 AM	37.8	51.8	-	n/a	37.6	-
04:15 AM - 04:20 AM	39.7	40.1	-	34.8	37.8	-3.0
04:20 AM - 04:25 AM	42.3	43.5	-	n/a	39.5	-
04:25 AM - 04:30 AM	40.7	42.2	-	n/a	40.7	-
04:30 AM - 04:35 AM	40.6	43.9	-	n/a	39.6	-
04:35 AM - 04:40 AM	41.0	45.5	-	n/a	39.8	-
04:40 AM - 04:45 AM	39.4	40.3	-	n/a	40.3	-
04:45 AM - 04:50 AM	40.0	54.0	-	n/a	41.5	-
04:50 AM - 04:55 AM	43.0	46.2	-	n/a	42.6	-
04:55 AM - 05:00 AM	39.4	50.0	-	n/a	44.1	-
05:00 AM - 05:05 AM	40.0	53.3	-	n/a	43.4	-
05:05 AM - 05:10 AM	40.6	52.6	-	n/a	43.2	-
05:10 AM - 05:15 AM	41.5	53.9	-	n/a	43.8	-
05:15 AM - 05:20 AM	40.9	51.8	-	n/a	43.8	-
05:20 AM - 05:25 AM	41.9	52.5	-	n/a	43.4	-
05:25 AM - 05:30 AM	41.8	46.2	-	n/a	41.8	-
05:30 AM - 05:35 AM	42.5	47.4	-	n/a	43.5	-
05:35 AM - 05:40 AM	40.5	43.6	-	41.8	41.4	8.4
05:40 AM - 05:45 AM	47.4	46.3	-	n/a	42.0	-
05:45 AM - 05:50 AM	44.9	45.6	-	n/a	42.8	-
05:50 AM - 05:55 AM	41.0	56.2	-	n/a	41.9	-
05:55 AM - 06:00 AM	42.3	53.5	-	n/a	42.6	-
06:00 AM - 07:00 AM	49.7	51.8	-	n/a	46.3	-
07:00 AM - 08:00 AM	56.5	50.0	55.4	-	47.0	12.4
08:00 AM - 09:00 AM	56.6	58.1	n/a	-	44.9	-
09:00 AM - 10:00 AM	53.3	60.2	n/a	-	46.2	-
10:00 AM - 11:00 AM	52.2	60.8	n/a	-	42.8	-
11:00 AM - 12:00 PM	57.1	60.5	n/a	-	46.6	-
12:00 PM - 01:00 PM	51.5	54.5	n/a	-	41.9	-
01:00 PM - 02:00 PM	45.9	50.3	n/a	-	40.2	-
02:00 PM - 03:00 PM	50.1	45.3	48.4	-	40.9	7.5
03:00 PM - 04:00 PM	51.4	44.7	50.4	-	41.0	8.4

Reference Method

1. ISO 1994-1
2. ประกาศกระทรวงมหาดไทย เรื่อง มาตรการเพื่อเพิ่มผลผลิตยางธรรมชาติเมื่อ 24 มีนาคม และระดมผู้ลงทุนให้เข้าทำประโยชน์ป่าไม้ในเขตป่าไม้ ป.ท. 2567
หมายเหตุ
1. ประกาศกระทรวงมหาดไทย เรื่อง การแบ่งพื้นที่เพิ่มเติมจากเขตป่าไม้เดิมให้เข้าทำประโยชน์ป่าไม้ในเขตป่าไม้ ป.ท. 2548
2. ประกาศกระทรวงมหาดไทย เรื่อง การแบ่งพื้นที่เพิ่มเติมจากเขตป่าไม้เดิมให้เข้าทำประโยชน์ป่าไม้ในเขตป่าไม้ ป.ท. 2561
หมายเหตุ:
1. ข้อมูลที่ได้มาจากการศึกษาครั้งนี้ ได้จากการทำ 13 แผนที่ 1:50,000
2. ข้อมูลที่ได้มาจากการศึกษาครั้งนี้ ได้จากการทำ 13 แผนที่ 1:50,000
3. ข้อมูลที่ได้มาจากการศึกษาครั้งนี้ ได้จากการทำ 13 แผนที่ 1:50,000
4. ข้อมูลที่ได้มาจากการศึกษาครั้งนี้ ได้จากการทำ 13 แผนที่ 1:50,000

Approved by _____

Wilaywan Borral

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 25TH Fl, Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310

P/O : RJN-LCB-033/66

Project Name : Laemchabang

Project Location :

Lot ID: 24110375
Date Received :Nov 06, 2024
Date Reported :Nov 15, 2024
Report Number : 3163486-1

Page 2 of 3

Sample No.	24110375-7
Parameter	เสียงรบกวน
Location	N1 ปลายทางเก็บขยะตึกย่อยเลขที่ 2 (GPS 47P 0714309, 1442204)
Measurement Date	Nov 01 - 02, 2024
Measurement by	Santi Chakchana
Sound Level Meter	00233164

เวลา	เป้าหมาย หน่วยกิต/สัปดาห์	เป้าหมาย ไม่ต่ำกว่าจำนวน	ผลสัมฤทธิ์ (SB(A))		ร้อยละ ฐาน	ค่าดัชนี
			ค่าภายใน	ค่าภายนอก		
12:50 AM - 12:55 AM	54.1	42.9	-	56.8	40.5	16.3
12:55 AM - 01:00 AM	48.4	42.0	-	50.3	39.7	10.6
01:00 AM - 01:05 AM	48.2	42.1	-	50.0	38	11.7
01:05 AM - 01:10 AM	49.9	42.7	-	45.9	38.1	7.7
01:10 AM - 01:15 AM	48.3	44.4	-	49.0	38.3	10.7
01:15 AM - 01:20 AM	48	46.0	-	44.1	39.7	4.4
01:20 AM - 01:25 AM	45.0	43.7	-	42.1	41.3	1.3
01:25 AM - 01:30 AM	41.8	40.9	-	n/a	41.3	-
01:30 AM - 01:35 AM	39.6	44.5	-	n/a	41.5	-
01:35 AM - 01:40 AM	40.4	41.8	-	48.8	46.9	-
01:40 AM - 01:45 AM	48.1	46.0	-	34.7	42.6	-2.9
01:45 AM - 01:50 AM	40.2	43.4	-	n/a	42.5	-
01:50 AM - 01:55 AM	44.6	42.5	-	42.4	41.7	1.7
01:55 AM - 02:00 AM	45.5	43.5	-	44.9	41.9	3.0
02:00 AM - 02:05 AM	50.0	43.5	-	51.9	42.3	9.6
02:05 AM - 02:10 AM	40.6	43.4	-	n/a	41.3	-
02:10 AM - 02:15 AM	46.0	42.7	-	46.3	41.4	4.9
02:15 AM - 02:20 AM	39.6	43.2	-	n/a	41.3	-
02:20 AM - 02:25 AM	43.2	41.7	-	45.9	40.6	0.3
02:25 AM - 02:30 AM	44.9	41.1	-	60.6	40.3	5.3
02:30 AM - 02:35 AM	42.2	42.4	-	46.9	44.1	8.4
02:35 AM - 02:40 AM	43.1	41.6	-	43.6	40.9	-0.1
02:40 AM - 02:45 AM	44.2	41.9	-	41.3	40.9	2.4
02:45 AM - 02:50 AM	42.9	41.8	-	42.7	40.6	2.3
02:50 AM - 02:55 AM	39.0	42.5	-	n/a	41.3	-
02:55 AM - 03:00 AM	44.3	42.3	-	40.0	41.2	1.8
03:00 AM - 03:05 AM	47.4	42.7	-	48.6	41.8	6.6
03:05 AM - 03:10 AM	43.3	43.1	-	32.8	41.0	-9.2
03:10 AM - 03:15 AM	44.3	42.0	-	n/a	41.8	-
03:15 AM - 03:20 AM	43.3	41.9	-	40.7	41.2	-0.5
03:20 AM - 03:25 AM	41.9	42.0	-	42.4	41.1	1.3
03:25 AM - 03:30 AM	40.9	41.3	-	n/a	41.3	-
03:30 AM - 03:35 AM	40.5	45.0	-	n/a	41.4	-
03:35 AM - 03:40 AM	41.2	50.9	-	n/a	42.1	-
03:40 AM - 03:45 AM	40.6	42.2	-	n/a	42.3	-
03:45 AM - 03:50 AM	41.5	43.7	-	n/a	42.8	-
03:50 AM - 03:55 AM	41.8	44.1	-	n/a	42.9	-
03:55 AM - 04:00 AM	41.0	43.4	-	n/a	42.3	-
04:00 AM - 04:05 AM	41.2	45.9	-	n/a	42.9	-
04:05 AM - 04:10 AM	43.9	41.1	-	42.9	42.8	-

Approved by _____

Willawan Boritai
Manager

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RIGHT SOLUTIONS RIGHT PARTNER



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110375
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163486-1

Page 3 of 3

Sample No. : 24110375-7
Parameter : เสียงรบกวน
Location : N2 : ซอยบางนาแถมดินเลขที่ 2 (GPS 47P 0714309, 1442204)
Measurement Date : Nov 01 - 02, 2024
Measurement by : Sami Chakchana
Sound Level Meter : 00233184

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	เสียงรบกวนการจราจร		เสียงรบกวน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
04:10 AM - 04:15 AM	42.9	43.4	-	n/a	42.5	-
04:15 AM - 04:20 AM	41.4	43.8	-	n/a	42.5	-
04:20 AM - 04:25 AM	42.6	43.5	-	n/a	42.1	-
04:25 AM - 04:30 AM	41.8	44.1	-	n/a	42.6	-
04:30 AM - 04:35 AM	39.7	44.5	-	n/a	42.8	-
04:35 AM - 04:40 AM	38.5	44.1	-	n/a	42.1	-
04:40 AM - 04:45 AM	39.7	44.5	-	n/a	43.4	-
04:45 AM - 04:50 AM	36.9	45.2	-	n/a	42.8	-
04:50 AM - 04:55 AM	40.7	43.9	-	n/a	44.0	-
04:55 AM - 05:00 AM	40.6	54.3	-	n/a	43.1	-
05:00 AM - 05:05 AM	40.9	69.1	-	n/a	42.3	-
05:05 AM - 05:10 AM	41.8	43.8	-	n/a	42.5	-
05:10 AM - 05:15 AM	41.9	44.6	-	n/a	42.1	-
05:15 AM - 05:20 AM	41.3	44.5	-	n/a	43.7	-
05:20 AM - 05:25 AM	42.1	48.1	-	n/a	43.9	-
05:25 AM - 05:30 AM	42.7	51.8	-	n/a	44.0	-
05:30 AM - 05:35 AM	42.3	55.3	-	n/a	43.6	-
05:35 AM - 05:40 AM	42.7	48.9	-	n/a	43.1	-
05:40 AM - 05:45 AM	41.8	55.0	-	n/a	43.6	-
05:45 AM - 05:50 AM	42.7	49.1	-	n/a	42.7	-
05:50 AM - 05:55 AM	43.2	45.7	-	n/a	43.2	-
05:55 AM - 06:00 AM	43.5	52.5	-	n/a	43.5	-
06:00 AM - 07:00 AM	53.0	58.4	-	n/a	51.8	-
07:00 AM - 08:00 AM	59.0	55.8	56.7	-	43.8	12.4
08:00 AM - 09:00 AM	54.8	53.0	54.5	-	43.0	11.5
09:00 AM - 10:00 AM	52.6	52.6	n/a	-	40.9	-
10:00 AM - 11:00 AM	52.5	57.8	-	n/a	39.8	-
11:00 AM - 12:00 PM	56.2	56.0	54.2	-	40.1	14.1
12:00 PM - 01:00 PM	56.0	55.1	48.2	-	40.8	2.9
01:00 PM - 02:00 PM	56.2	53.0	56.4	-	41.4	15.8
02:00 PM - 03:00 PM	57.7	50.5	58.8	-	39.7	12.1
03:00 PM - 04:00 PM	54.3	55.2	n/a	-	41.1	-

Reference Method :
1. ISO 1996-1
2. ประกาศกระทรวงมหาดไทย เรื่อง วิธีการตรวจวัดเสียงรบกวน ระดับเสียง 24 ชั่วโมง และระดับเสียงสูงสุดที่ปรากฏจากกิจกรรมการจราจร พ.ศ. 2567
หมายเหตุ
1. ประกาศกระทรวงมหาดไทย เรื่อง วิธีการตรวจวัดเสียงรบกวนระดับเสียง 24 ชั่วโมง และระดับเสียงสูงสุดที่ปรากฏจากกิจกรรมการจราจร พ.ศ. 2568
2. ประกาศกระทรวงมหาดไทย เรื่อง วิธีการตรวจวัดเสียงรบกวนระดับเสียง 24 ชั่วโมง และระดับเสียงสูงสุดที่ปรากฏจากกิจกรรมการจราจร พ.ศ. 2561
Remark:
1. ระดับเสียงรบกวนค่าเฉลี่ย พิกัดการตรวจวัด 01-02 ตุลาคม 2567
2. ระดับเสียงรบกวนค่าเฉลี่ย พิกัดการตรวจวัด (Sample No. 24110375-7) ตรวจวัด 01-02 ตุลาคม 2567
3. n/a: ไม่สามารถทำการวัดเสียงรบกวนได้เนื่องจากเสียงรบกวนจากกิจกรรมการจราจรที่มากเกินไปจนทำให้ไม่สามารถวัดเสียงรบกวนได้

The above results are valid only for the area and time specified in the report. The results are not valid for other areas or times. The results are not valid for other areas or times. The results are not valid for other areas or times.

Approved by

Wibab.
Wibab Borik
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110375
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163487-1

Page 3 of 3

Sample No. : 24110375-8
Parameter : เสียงรบกวน
Location : N2 : ซอยบางนาแถมดินเลขที่ 3 (GPS 47P 0714548, 1441873)
Measurement Date : Oct 26 - 27, 2024
Measurement by : Sami Chakchana
Sound Level Meter : 01122567

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	เสียงรบกวนการจราจร		เสียงรบกวน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
05:00 PM - 06:00 PM	50.7	49.5	44.5	-	44.4	0.1
06:00 PM - 07:00 PM	48.8	49.0	n/a	-	44.7	-
07:00 PM - 08:00 PM	53.3	53.2	36.9	-	50.2	-13.3
08:00 PM - 09:00 PM	52.4	55.1	n/a	-	49.6	-
09:00 PM - 10:00 PM	51.1	56.1	n/a	-	53.2	-
10:00 PM - 10:05 PM	48.2	60.4	-	n/a	47.3	-
10:05 PM - 10:10 PM	49.6	58.3	-	n/a	47.2	-
10:10 PM - 10:15 PM	49.3	57.4	-	n/a	48.0	-
10:15 PM - 10:20 PM	48.4	57.9	-	n/a	46.9	-
10:20 PM - 10:25 PM	48.5	57.6	-	n/a	47.3	-
10:25 PM - 10:30 PM	48.1	56.9	-	n/a	46.4	-
10:30 PM - 10:35 PM	47.3	56.7	-	n/a	46.5	-
10:35 PM - 10:40 PM	47.8	58.1	-	n/a	47.1	-
10:40 PM - 10:45 PM	47.8	57.7	-	n/a	46.0	-
10:45 PM - 10:50 PM	48.2	60.1	-	n/a	46.1	-
10:50 PM - 10:55 PM	48.4	59.2	-	n/a	46.9	-
10:55 PM - 11:00 PM	48.0	53.8	-	n/a	44.8	-
11:00 PM - 11:05 PM	47.4	59.4	-	n/a	46.1	-
11:05 PM - 11:10 PM	47.5	59.6	-	n/a	47.5	-
11:10 PM - 11:15 PM	46.8	59.0	-	n/a	50.2	-
11:15 PM - 11:20 PM	46.5	57.6	-	n/a	65.5	-
11:20 PM - 11:25 PM	46.9	58.0	-	n/a	48.0	-
11:25 PM - 11:30 PM	46.8	57.4	-	n/a	46.1	-
11:30 PM - 11:35 PM	48.0	57.4	-	n/a	41.9	-
11:35 PM - 11:40 PM	46.1	56.7	-	n/a	46.1	-
11:40 PM - 11:45 PM	48.1	52.0	-	n/a	45.1	-
11:45 PM - 11:50 PM	48.4	55.1	-	n/a	45.1	-
11:50 PM - 11:55 PM	48.5	58.1	-	n/a	47.0	-
11:55 PM - 12:00 AM	46.5	56.2	-	n/a	47.1	-
12:00 AM - 12:05 AM	48.3	57.0	-	n/a	43.8	-
12:05 AM - 12:10 AM	48.4	58.0	-	n/a	46.3	-
12:10 AM - 12:15 AM	48.5	55.6	-	n/a	44.6	-
12:15 AM - 12:20 AM	47.4	49.6	-	n/a	44.1	-
12:20 AM - 12:25 AM	48.6	55.0	-	n/a	44.3	-
12:25 AM - 12:30 AM	48.3	56.4	-	n/a	45.5	-
12:30 AM - 12:35 AM	49.4	56.9	-	n/a	45.1	-
12:35 AM - 12:40 AM	49.6	57.6	-	n/a	45.7	-
12:40 AM - 12:45 AM	50.0	58.4	-	n/a	46.5	-
12:45 AM - 12:50 AM	49.8	57.7	-	n/a	45.0	-
12:50 AM - 12:55 AM	49.4	56.1	-	n/a	48.3	-

The above results are valid only for the area and time specified in the report. The results are not valid for other areas or times. The results are not valid for other areas or times. The results are not valid for other areas or times.

Approved by

Wibab.
Wibab Borik
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110375
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163487-1

Page 2 of 3

Sample No. : 24110375-8
Parameter : เสียงรบกวน
Location : N2 : ซอยบางนาแถมดินเลขที่ 3 (GPS 47P 0714548, 1441873)
Measurement Date : Oct 26 - 27, 2024
Measurement by : Sami Chakchana
Sound Level Meter : 01122567

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	เสียงรบกวนการจราจร		เสียงรบกวน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
17:55 AM - 01:00 AM	51.2	54.6	-	n/a	44.0	-
01:00 AM - 01:05 AM	49.5	53.4	-	n/a	44.7	-
01:05 AM - 01:10 AM	48.7	54.2	-	n/a	43.5	-
01:10 AM - 01:15 AM	49.2	56.0	-	n/a	43.8	-
01:15 AM - 01:20 AM	48.6	53.5	-	n/a	42.7	-
01:20 AM - 01:25 AM	47.5	49.2	-	n/a	42.1	5.7
01:25 AM - 01:30 AM	48.3	54.6	-	n/a	43.2	-
01:30 AM - 01:35 AM	48.5	55.1	-	n/a	43.1	-
01:35 AM - 01:40 AM	48.1	50.8	-	n/a	42.7	-
01:40 AM - 01:45 AM	48.5	49.6	-	n/a	43.6	-
01:45 AM - 01:50 AM	48.6	48.2	-	n/a	42.2	-1.2
01:50 AM - 02:00 AM	48.6	52.4	-	n/a	43.8	-
02:00 AM - 02:05 AM	50.9	60.5	-	n/a	48.8	-
02:05 AM - 02:10 AM	54.1	51.9	-	n/a	45.5	7.6
02:10 AM - 02:15 AM	50.7	43.4	-	n/a	41.0	11.8
02:15 AM - 02:20 AM	49.7	53.1	-	n/a	45.2	14.8
02:20 AM - 02:25 AM	47.4	44.6	-	n/a	42.2	5.0
02:25 AM - 02:30 AM	47.0	45.9	-	n/a	40.7	2.8
02:30 AM - 02:35 AM	46.9	46.6	-	n/a	38.1	-3.9
02:35 AM - 02:40 AM	49.4	48.8	-	n/a	43.5	0.8
02:40 AM - 02:45 AM	49.0	48.2	-	n/a	43.1	1.2
02:45 AM - 02:50 AM	49.7	47.9	-	n/a	43.7	4.3
02:50 AM - 02:55 AM	48.9	46.9	-	n/a	44.1	3.5
02:55 AM - 03:00 AM	48.7	46.2	-	n/a	43.2	4.9
03:00 AM - 03:05 AM	48.8	46.8	-	n/a	42.5	3.7
03:05 AM - 03:10 AM	48.2	46.2	-	n/a	43.1	3.8
03:10 AM - 03:15 AM	48.8	48.1	-	n/a	42.2	-
03:15 AM - 03:20 AM	48.8	47.9	-	n/a	42.4	-
03:20 AM - 03:25 AM	47.1	42.9	-	n/a	42.3	-
03:25 AM - 03:30 AM	47.6	47.5	-	n/a	42.6	-8.4
03:30 AM - 03:35 AM	47.7	48.9	-	n/a	42.0	-
03:35 AM - 03:40 AM	47.9	49.7	-	n/a	42.6	-
03:40 AM - 03:45 AM	47.6	48.3	-	n/a	41.8	-
03:45 AM - 03:50 AM	46.9	46.2	-	n/a	41.6	1.4
03:50 AM - 03:55 AM	46.1	43.2	-	n/a	40.0	6.0
03:55 AM - 04:00 AM	46.0	41.4	-	n/a	41.9	3.4
04:00 AM - 04:05 AM	45.6	41.1	-	n/a	40.9	0.0
04:05 AM - 04:10 AM	46.8	47.4	-	n/a	42.8	-
04:10 AM - 04:15 AM	47.1	48.8	-	n/a	41.9	-

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Approved by

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110375
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163487-1

Page 3 of 3

Sample No. : 24110375-8
Parameter : เสียงรบกวน
Location : N2 : ซอยบางนาแถมดินเลขที่ 3 (GPS 47P 0714548, 1441873)
Measurement Date : Oct 26 - 27, 2024
Measurement by : Sami Chakchana
Sound Level Meter : 01122567

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	เสียงรบกวนการจราจร		เสียงรบกวน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
04:15 AM - 04:20 AM	47.5	48.1	-	n/a	43.2	-
04:20 AM - 04:25 AM	47.7	46.1	-	n/a	45.6	2.2
04:25 AM - 04:30 AM	47.6	46.1	-	n/a	43.7	-0.4
04:30 AM - 04:35 AM	48.2	52.6	-	n/a	44.6	-
04:35 AM - 04:40 AM	47.5	50.8	-	n/a	44.4	-
04:40 AM - 04:45 AM	50.6	45.2	-	n/a	52.1	9.0
04:45 AM - 04:50 AM	52.0	48.1	-	n/a	53.8	8.2
04:50 AM - 04:55 AM	51.6	46.2	-	n/a	53.1	43.9
04:55 AM - 05:00 AM	49.1	46.1	-	n/a	49.3	4.7
05:00 AM - 05:05 AM	49.7	47.6	-	n/a	48.5	45.6
05:05 AM - 05:10 AM	50.9	47.7	-	n/a	50.6	4.5
05:10 AM - 05:15 AM	51.2	47.9	-	n/a	51.5	40.8
05:15 AM - 05:20 AM	51.0	48.4	-	n/a	50.5	46.2
05:20 AM - 05:25 AM	51.1	49.6	-	n/a	50.3	46.6
05:25 AM - 05:30 AM	51.2	48.3	-	n/a	51.3	4.8</



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkok, Huaykang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110375
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163488-1

Page 1 of 3

Sample No. 24110375-9
Parameter เสียงรบกวน
Location N2 : ถนนปิ่นเกล้า/ถนนสุขุมวิท ซอย 3 (GPS 47P 0714548, 1414713)
Measurement Date Oct 27 - 28, 2024
Measurement by Santi Chachana
Sound Level Meter 01122567

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงที่ถูกรบกวน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
05:00 PM - 06:00 PM	56.2	54.4	51.5	-	49.6	-
06:00 PM - 07:00 PM	52.3	51.8	49.7	-	50.0	-7.3
07:00 PM - 08:00 PM	52.3	51.5	n/a	-	51.2	-
08:00 PM - 09:00 PM	51.1	51.6	n/a	-	52.4	-
09:00 PM - 10:00 PM	51.0	51.9	n/a	-	50.8	-
10:00 PM - 10:05 PM	51.1	52.3	-	48.4	50.9	-2.5
10:05 PM - 10:10 PM	52.2	51.6	-	48.3	50.1	-3.8
10:10 PM - 10:15 PM	51.6	51.6	-	n/a	51.7	-
10:15 PM - 10:20 PM	55.0	54.6	-	47.4	52.8	-5.4
10:20 PM - 10:25 PM	55.0	53.1	-	51.5	50.9	-2.6
10:25 PM - 10:30 PM	52.8	52.4	-	45.2	51.5	-6.3
10:30 PM - 10:35 PM	52.1	51.8	-	43.3	50.9	-7.6
10:35 PM - 10:40 PM	51.9	51.1	-	47.2	50.0	-2.8
10:40 PM - 10:45 PM	51.5	51.5	-	49.1	50.6	-2.5
10:45 PM - 10:50 PM	51.5	48.2	-	48.6	48.1	0.5
10:50 PM - 10:55 PM	47.5	46.5	-	n/a	46.2	-
10:55 PM - 11:00 PM	46.5	49.2	-	n/a	46.7	-
11:00 PM - 11:05 PM	47.2	48.2	-	n/a	45.3	-
11:05 PM - 11:10 PM	48.2	49.1	-	n/a	46.4	-
11:10 PM - 11:15 PM	48.3	48.9	-	n/a	46.9	-
11:15 PM - 11:20 PM	45.8	46.1	-	43.5	45.2	-1.7
11:20 PM - 11:25 PM	46.3	45.3	-	42.4	44.4	-1.0
11:25 PM - 11:30 PM	45.9	47.5	-	n/a	42.2	-
11:30 PM - 11:35 PM	51.8	41.6	-	49.8	47.8	-2.1
11:35 PM - 11:40 PM	50.2	49.8	-	46.6	47.8	-5.2
11:40 PM - 11:45 PM	48.8	46.1	-	45.5	43.5	-5.0
11:45 PM - 11:50 PM	42.8	42.8	-	n/a	43.7	-
11:50 PM - 11:55 PM	45.2	47.2	-	n/a	44.0	-
11:55 PM - 12:00 AM	46.9	47.1	-	n/a	44.8	-
12:00 AM - 12:05 AM	47.1	47.1	-	n/a	41.6	-
12:05 AM - 12:10 AM	50.3	50.3	-	44.9	44.9	-
12:10 AM - 12:15 AM	54.8	47.0	-	61.5	40.8	-12.7
12:15 AM - 12:20 AM	56.0	66.4	-	n/a	48.7	-
12:20 AM - 12:25 AM	44.0	60.2	-	64.7	50.7	-14.5
12:25 AM - 12:30 AM	49.4	47.7	-	47.5	45.0	-2.5
12:30 AM - 12:35 AM	47.0	47.2	-	n/a	45.4	-
12:35 AM - 12:40 AM	48.7	41.8	-	n/a	47.4	-
12:40 AM - 12:45 AM	48.2	40.8	-	n/a	45.8	-
12:45 AM - 12:50 AM	50.7	52.4	-	n/a	46.8	-
12:50 AM - 12:55 AM	53.8	60.5	-	n/a	47.1	-

Approved by

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Wibwan Borik
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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkok, Huaykang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110375
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163488-1

Page 1 of 3

Sample No. 24110375-9
Parameter เสียงรบกวน
Location N2 : ถนนปิ่นเกล้า/ถนนสุขุมวิท ซอย 3 (GPS 47P 0714548, 1414713)
Measurement Date Oct 27 - 28, 2024
Measurement by Santi Chachana
Sound Level Meter 01122567

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงที่ถูกรบกวน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
04:15 AM - 04:20 AM	43.5	46.9	-	n/a	43.6	-
04:20 AM - 04:25 AM	44.8	41.6	-	n/a	45.6	-
04:25 AM - 04:30 AM	45.8	50.2	-	n/a	46.4	-
04:30 AM - 04:35 AM	46.8	51.3	-	n/a	47.6	-
04:35 AM - 04:40 AM	41.8	51.6	-	n/a	47.6	-
04:40 AM - 04:45 AM	47.2	50.6	-	n/a	47.1	-
04:45 AM - 04:50 AM	46.7	51.2	-	n/a	48.1	-
04:50 AM - 04:55 AM	47.2	51.1	-	n/a	47.4	-
04:55 AM - 05:00 AM	46.9	50.7	-	n/a	48.5	-
05:00 AM - 05:05 AM	47.1	51.3	-	n/a	48.5	-
05:05 AM - 05:10 AM	47.2	50.6	-	n/a	49.4	-
05:10 AM - 05:15 AM	47.5	50.1	-	n/a	49.1	-
05:15 AM - 05:20 AM	47.8	50.6	-	n/a	49.2	-
05:20 AM - 05:25 AM	48.0	50.8	-	n/a	49.3	-
05:25 AM - 05:30 AM	46.8	50.8	-	n/a	49.3	-
05:30 AM - 05:35 AM	46.4	51.1	-	n/a	49.7	-
05:35 AM - 05:40 AM	46.3	51.3	-	n/a	49.9	-
05:40 AM - 05:45 AM	46.2	51.6	-	n/a	50.2	-
05:45 AM - 05:50 AM	46.1	51.8	-	n/a	50.4	-
05:50 AM - 05:55 AM	46.3	51.8	-	n/a	50.3	-
05:55 AM - 06:00 AM	49.6	52.1	-	n/a	50.7	-
06:00 AM - 07:00 AM	49.6	52.2	-	n/a	52.0	-
07:00 AM - 08:00 AM	49.4	52.0	-	n/a	50.7	-
08:00 AM - 09:00 AM	54.3	54.4	-	n/a	51.2	-
09:00 AM - 10:00 AM	55.2	54.8	-	n/a	48.8	-4.3
10:00 AM - 11:00 AM	55.8	54.1	-	47.2	47.2	0.5
11:00 AM - 12:00 PM	51.9	50.4	-	46.6	44.3	-2.3
12:00 PM - 01:00 PM	51.5	52.9	-	44.6	46.1	-1.5
01:00 PM - 02:00 PM	54.1	54.2	-	n/a	46.4	-
02:00 PM - 03:00 PM	52.6	56.7	-	50.3	51.6	-2.3
03:00 PM - 04:00 PM	54.6	52.8	-	49.9	47.6	-2.3
04:00 PM - 05:00 PM	57.8	56.5	-	51.9	51.4	-0.5

Reference Method:

- ISO 1996-1
 - ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดมาตรฐานเสียงรบกวนชุมชนและสถานที่พักอาศัย พ.ศ. 2567
 - ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานเสียงรบกวนชุมชนและสถานที่พักอาศัย พ.ศ. 2568
 - ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานเสียงรบกวนชุมชนและสถานที่พักอาศัย พ.ศ. 2561
- Remarks:
- ระดับเสียงที่วัดได้ทั้งหมด อยู่ในช่วง 43.5 - 57.8 dB(A) ในช่วงเวลา 04:15 - 05:55 น.
 - ระดับเสียงที่วัดได้ทั้งหมด อยู่ในช่วง 41.6 - 66.4 dB(A) ในช่วงเวลา 04:20 - 05:00 น.
 - n/a: ไม่สามารถวัดค่าเสียงรบกวนได้เนื่องจากเสียงรบกวนจากแหล่งกำเนิดเสียงรบกวนเกินขีดจำกัดของเครื่องมือวัดเสียงรบกวน

Approved by

Wibb.
Wibwan Borik
Manager

ADDRESS: 616/10 Moo 5 T. Maenam Khu A. Phukdang Rong 21140 Thailand. P: 091-466 0 3304 8555 F: 066 0 3304 8556



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkok, Huaykang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110375
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163488-1

Page 2 of 3

Sample No. 24110375-9
Parameter เสียงรบกวน
Location N2 : ถนนปิ่นเกล้า/ถนนสุขุมวิท ซอย 3 (GPS 47P 0714548, 1414713)
Measurement Date Oct 27 - 28, 2024
Measurement by Santi Chachana
Sound Level Meter 01122567

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงที่ถูกรบกวน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
17:55 AM - 01:00 AM	60.7	63.1	-	1.9	56.8	-
01:00 AM - 01:05 AM	56.3	49.7	-	58.2	46.1	-12.1
01:05 AM - 01:10 AM	47.9	45.9	-	46.4	44.3	-2.1
01:10 AM - 01:15 AM	47.6	45.5	-	46.4	44.1	-2.3
01:15 AM - 01:20 AM	47.3	45.2	-	46.1	43.9	-2.2
01:20 AM - 01:25 AM	47.3	44.1	-	47.5	42.8	-4.9
01:25 AM - 01:30 AM	47.1	46.4	-	46.8	42.7	-4.1
01:30 AM - 01:35 AM	46.1	44.3	-	44.4	42.3	-2.1
01:35 AM - 01:40 AM	47.6	45.7	-	46.1	42.6	-2.5
01:40 AM - 01:45 AM	46.6	46.2	-	45.0	41.8	-4.2
01:45 AM - 01:50 AM	49.0	46.2	-	48.8	43.6	-5.2
01:50 AM - 01:55 AM	48.7	46.6	-	47.5	43.9	-2.6
01:55 AM - 02:00 AM	47.3	46.4	-	46.1	43.1	-5.0
02:00 AM - 02:05 AM	46.4	46.0	-	47.2	41.7	-6.0
02:05 AM - 02:10 AM	47.2	44.0	-	47.4	40.4	-7.0
02:10 AM - 02:15 AM	47.9	45.0	-	47.8	40.9	-6.9
02:15 AM - 02:20 AM	46.0	44.7	-	48.7	41.0	-7.7
02:20 AM - 02:25 AM	47.3	44.5	-	47.1	41.1	-5.8
02:25 AM - 02:30 AM	47.5	43.5	-	47.3	40.6	-7.7
02:30 AM - 02:35 AM	47.6	44.7	-	47.5	40.2	-7.3
02:35 AM - 02:40 AM	47.2	44.2	-	47.2	39.8	-7.4
02:40 AM - 02:45 AM	47.0	43.2	-	47.7	40.6	-7.1
02:45 AM - 02:50 AM	47.9	45.3	-	45.3	40.9	-6.4
02:50 AM - 02:55 AM	47.3	45.9	-	47.9	41.6	-
02:55 AM - 03:00 AM	48.6	50.0	-	47.9	41.9	-
03:00 AM - 03:05 AM	47.8	51.1	-	47.9	41.6	-
03:05 AM - 03:10 AM	46.3	46.0	-	47.6	40.6	-6.8
03:10 AM - 03:15 AM	47.6	44.5	-	47.9	42.5	-5.4
03:15 AM - 03:20 AM	44.9	44.9	-	47.9	43.0	-4.9
03:20 AM - 03:25 AM	44.7	44.7	-	47.9	42.9	-5.4
03:25 AM - 03:30 AM	47.6	45.8	-	45.9	42.5	-3.4
03:30 AM - 03:35 AM	46.0	45.6	-	38.4	42.7	-4.3
03:35 AM - 03:40 AM	45.9	46.2	-	n/a	42.3	-
03:40 AM - 03:45 AM	46.2	45.8	-	n/a	41.8	-
03:45 AM - 03:50 AM	45.8	44.5	-	45.9	42.9	-0.0
03:50 AM - 03:55 AM	44.2	41.6	-	n/a	42.3	-
03:55 AM - 04:00 AM	44.4	44.4	-	n/a	41.0	-
04:00 AM - 04:05 AM	43.4	45.2	-	n/a	42.1	-
04:05 AM - 04:10 AM	42.6	45.7	-	n/a	42.3	-
04:10 AM - 04:15 AM	42.8	45.8	-	n/a	42.4	-

Approved by

Wibb.
Wibwan Borik
Manager

ADDRESS: 616/10 Moo 5 T. Maenam Khu A. Phukdang Rong 21140 Thailand. P: 091-466 0 3304 8555 F: 066 0 3304 8556



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkok, Huaykang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110375
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163488-1

Page 2 of 3

Sample No. 24110375-10
Parameter เสียงรบกวน
Location N2 : ถนนปิ่นเกล้า/ถนนสุขุมวิท ซอย 3 (GPS 47P 0714548, 1414713)
Measurement Date Oct 28 - 29, 2024
Measurement by Santi Chachana
Sound Level Meter 01122567

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		เสียงที่ถูกรบกวน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
05:00 PM - 06:00 PM	55.2	55.2	51.0	-	51.4	-0.4
06:00 PM - 07:00 PM	55.0	53.2	50.3	-	51.2	-0.9
07:00 PM - 08:00 PM	58.4	60.5	n/a	-	55.7	-
08:00 PM - 09:00 PM	51.1	46.5	-	n/a	55.3	-2.0
09:00 PM - 10:00 PM	52.9	49.6	50.2	-	47.6	-2.6
10:00 PM - 10:05 PM	56.1	49.0	-	52.2	47.4	-10.6
10:05 PM - 10:10 PM	55.8	48.8	-	50.8	46.9	-10.9
10:10 PM - 10:15 PM	55.4	48.6	-	50.7	47.0	-10.6
10:15 PM - 10:20 PM	55.6	48.5	-	52.7	47.0	-10.7
10:20 PM - 10:25 PM	55.5	47.7	-	55.5	46.9	-10.6
10:25 PM - 10:30 PM	55.3	48.2	-	52.6	46.0	-11.6
10:30 PM - 10:35 PM	54.9	48.3	-	56.8	45.9	-10.9
10:35 PM - 10:40 PM	55.3	48.4	-	52.3	46.0	-11.3
10:40 PM - 10:45 PM	55.5	48.7	-	52.6	46.1	-11.5
10:45 PM - 10:50 PM	55.0	47.3	-	52.2	44.5	-12



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italtai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110375
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163489-1

Sample No. : 24110375-10
Parameter : เสียงรบกวน
Location : ซอยบางนาถนนสุขุมวิท ซอย 3 (GPS 47P 0714548, 1441873)
Measurement Date : Oct 28 - 29, 2024
Measurement by : Santi Chachana
Sound Level Meter : 01122567

Page 2 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	ระดับเสียง (dB(A))		เสียงรบกวน	ค่าเฉลี่ย
			ค่าจริง	ค่าเฉลี่ย		
12:15 AM - 01:00 AM	56.9	50.6	-	58.7	47.0	11.7
01:00 AM - 01:05 AM	52.0	50.5	-	58.5	46.5	12.0
01:05 AM - 01:10 AM	56.9	50.6	-	58.7	46.8	11.9
01:10 AM - 01:15 AM	55.8	49.4	-	57.7	45.8	11.9
01:15 AM - 01:20 AM	54.6	49.5	-	56.2	45.3	10.9
01:20 AM - 01:25 AM	54.3	49.3	-	55.6	45.6	10.0
01:25 AM - 01:30 AM	55.7	50.5	-	57.1	46.7	10.4
01:30 AM - 01:35 AM	55.9	50.4	-	57.5	45.7	11.8
01:35 AM - 01:40 AM	54.6	49.2	-	56.1	45.0	11.1
01:40 AM - 01:45 AM	56.3	50.9	-	57.8	47.9	9.9
01:45 AM - 01:50 AM	56.3	50.6	-	57.9	47.7	10.2
01:50 AM - 01:55 AM	56.1	50.7	-	57.4	47.4	10.2
01:55 AM - 02:00 AM	56.5	50.7	-	56.2	47.9	10.3
02:00 AM - 02:05 AM	55.9	51.2	-	57.1	49.6	8.5
02:05 AM - 02:10 AM	56.2	51.5	-	57.4	49.9	8.5
02:10 AM - 02:15 AM	49.5	49.5	-	45.6	41.7	3.8
02:15 AM - 02:20 AM	48.0	49.0	-	n/a	46.7	-
02:20 AM - 02:25 AM	47.9	48.4	-	n/a	44.4	-
02:25 AM - 02:30 AM	49.7	49.9	-	n/a	44.6	-
02:30 AM - 02:35 AM	49.0	49.8	-	38.5	44.5	-4.0
02:35 AM - 02:40 AM	50.9	49.9	-	49.6	44.5	5.1
02:40 AM - 02:45 AM	49.5	49.5	-	45.6	43.9	1.7
02:45 AM - 02:50 AM	49.5	48.3	-	39.0	41.9	-5.9
02:50 AM - 02:55 AM	49.4	48.2	-	37.9	43.8	-5.9
02:55 AM - 03:00 AM	46.9	48.7	-	n/a	44.7	-
03:00 AM - 03:05 AM	49.4	49.1	-	44.6	44.6	-
03:05 AM - 03:10 AM	49.1	48.4	-	n/a	44.1	-
03:10 AM - 03:15 AM	49.4	48.5	-	47.8	44.8	-
03:15 AM - 03:20 AM	48.2	48.3	-	46.7	42.9	3.8
03:20 AM - 03:25 AM	47.5	46.5	-	43.6	43.4	0.2
03:25 AM - 03:30 AM	47.8	47.7	-	41.2	44.2	-3.0
03:30 AM - 03:35 AM	47.7	47.4	-	39.9	44.2	-5.3
03:35 AM - 03:40 AM	47.7	47.4	-	39.9	44.6	-5.7
03:40 AM - 03:45 AM	48.3	47.4	-	44.0	44.0	0.0
03:45 AM - 03:50 AM	46.6	46.7	-	n/a	43.2	-
03:50 AM - 03:55 AM	46.7	47.2	-	n/a	44.3	-
03:55 AM - 04:00 AM	47.6	46.0	-	n/a	44.6	-
04:00 AM - 04:05 AM	45.7	48.1	-	n/a	45.0	-
04:05 AM - 04:10 AM	45.7	48.1	-	n/a	44.8	-
04:10 AM - 04:15 AM	45.7	48.1	-	n/a	45.7	-

Approved by

Wibab.
Wibwan Borrak
Manager

STATION: 616/10 Moo 5 T. Maenam Khu A. Phusang Rayong 21140 Thailand PHONE: +66 0 3304 8555 FAX: +66 0 3304 8556



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italtai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110375
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163490-1

Sample No. : 24110375-11
Parameter : เสียงรบกวน
Location : ซอยบางนาถนนสุขุมวิท ซอย 3 (GPS 47P 0714548, 1441873)
Measurement Date : Oct 29 - 30, 2024
Measurement by : Santi Chachana
Sound Level Meter : 01122567

Page 1 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	ระดับเสียง (dB(A))		เสียงรบกวน	ค่าเฉลี่ย
			ค่าจริง	ค่าเฉลี่ย		
05:00 PM - 06:00 PM	53.4	52.3	46.9	-	49.0	-2.1
06:00 PM - 07:00 PM	52.3	51.5	44.6	-	49.9	-4.0
07:00 PM - 08:00 PM	54.2	51.8	43.6	-	52.6	7.0
08:00 PM - 09:00 PM	49.7	51.9	n/a	-	49.8	-
09:00 PM - 10:00 PM	52.5	49.8	49.2	-	47.1	2.1
10:00 PM - 10:05 PM	45.6	49.8	-	n/a	44.4	-
10:05 PM - 10:10 PM	44.7	47.2	-	n/a	44.4	-
10:10 PM - 10:15 PM	44.6	46.3	-	n/a	44.2	-
10:15 PM - 10:20 PM	44.6	45.9	-	n/a	43.6	-
10:20 PM - 10:25 PM	45.8	49.1	-	n/a	44.0	-
10:25 PM - 10:30 PM	47.3	49.0	-	n/a	45.1	-
10:30 PM - 10:35 PM	48.6	50.7	-	n/a	46.9	-
10:35 PM - 10:40 PM	48.9	51.5	-	n/a	50.0	-
10:40 PM - 10:45 PM	48.7	51.3	-	n/a	49.5	-
10:45 PM - 10:50 PM	49.2	51.9	-	n/a	48.0	-
10:50 PM - 10:55 PM	46.6	49.3	-	n/a	46.1	-
10:55 PM - 11:00 PM	49.5	50.8	-	n/a	47.7	-
11:00 PM - 11:05 PM	48.8	51.0	-	n/a	46.9	-
11:05 PM - 11:10 PM	45.3	48.7	-	n/a	45.8	-
11:10 PM - 11:15 PM	45.4	50.3	-	n/a	46.1	-
11:15 PM - 11:20 PM	50.1	49.9	-	39.6	46.1	-6.5
11:20 PM - 11:25 PM	45.7	47.2	-	n/a	44.3	-
11:25 PM - 11:30 PM	47.2	47.2	-	n/a	46.8	-
11:30 PM - 11:35 PM	50.4	49.8	-	46.1	46.1	2.2
11:35 PM - 11:40 PM	50.8	49.1	-	46.2	46.2	2.7
11:40 PM - 11:45 PM	48.5	49.2	-	n/a	45.5	-
11:45 PM - 11:50 PM	46.7	49.1	-	n/a	44.8	-
11:50 PM - 11:55 PM	47.8	49.4	-	n/a	44.3	-
11:55 PM - 12:00 AM	48.0	50.9	-	n/a	44.6	-
12:00 AM - 12:05 AM	48.1	50.9	-	n/a	44.7	-
12:05 AM - 12:10 AM	49.7	51.6	-	n/a	45.1	-
12:10 AM - 12:15 AM	51.1	51.3	-	n/a	45.6	-
12:15 AM - 12:20 AM	51.2	51.7	-	n/a	45.8	-
12:20 AM - 12:25 AM	50.4	50.6	-	n/a	45.0	-
12:25 AM - 12:30 AM	50.9	49.8	-	49.7	44.5	5.2
12:30 AM - 12:35 AM	49.7	49.2	-	43.1	45.1	-1.2
12:35 AM - 12:40 AM	50.1	50.1	-	n/a	45.0	-
12:40 AM - 12:45 AM	51.2	50.9	-	42.4	45.0	-2.6
12:45 AM - 12:50 AM	47.7	51.3	-	n/a	45.8	-
12:50 AM - 12:55 AM	44.9	50.7	-	n/a	44.8	-

Approved by

Wibab.
Wibwan Borrak
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italtai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110375
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163489-1

Sample No. : 24110375-10
Parameter : เสียงรบกวน
Location : ซอยบางนาถนนสุขุมวิท ซอย 3 (GPS 47P 0714548, 1441873)
Measurement Date : Oct 28 - 29, 2024
Measurement by : Santi Chachana
Sound Level Meter : 01122567

Page 3 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	ระดับเสียง (dB(A))		เสียงรบกวน	ค่าเฉลี่ย
			ค่าจริง	ค่าเฉลี่ย		
04:15 AM - 04:20 AM	46.1	49.7	-	n/a	46.7	-
04:20 AM - 04:25 AM	46.4	49.9	-	n/a	47.1	-
04:25 AM - 04:30 AM	46.5	50.1	-	n/a	47.5	-
04:30 AM - 04:35 AM	46.4	50.2	-	n/a	47.6	-
04:35 AM - 04:40 AM	46.6	50.4	-	n/a	48.1	-
04:40 AM - 04:45 AM	47.7	50.3	-	n/a	48.2	-
04:45 AM - 04:50 AM	47.1	50.6	-	n/a	48.1	-
04:50 AM - 04:55 AM	47.4	51.2	-	n/a	48.7	-
04:55 AM - 05:00 AM	48.2	51.5	-	n/a	48.8	-
05:00 AM - 05:05 AM	48.1	51.1	-	n/a	48.9	-
05:05 AM - 05:10 AM	47.2	51.2	-	n/a	48.6	-
05:10 AM - 05:15 AM	47.1	51.3	-	n/a	49.2	-
05:15 AM - 05:20 AM	47.8	51.3	-	n/a	49.5	-
05:20 AM - 05:25 AM	47.9	51.1	-	n/a	49.2	-
05:25 AM - 05:30 AM	49.1	51.9	-	n/a	50.1	-
05:30 AM - 05:35 AM	48.6	52.1	-	n/a	50.1	-
05:35 AM - 05:40 AM	47.9	51.5	-	n/a	49.4	-
05:40 AM - 05:45 AM	47.2	51.3	-	n/a	49.4	-
05:45 AM - 05:50 AM	47.0	51.5	-	n/a	49.4	-
05:50 AM - 05:55 AM	47.2	51.5	-	n/a	49.5	-
05:55 AM - 06:00 AM	48.2	52.2	-	n/a	50.6	-
06:00 AM - 07:00 AM	47.9	53.6	n/a	-	51.8	-
07:00 AM - 08:00 AM	47.7	53.1	n/a	-	49.8	-
08:00 AM - 09:00 AM	54.6	55.9	n/a	-	52.8	-
09:00 AM - 10:00 AM	55.2	55.6	n/a	-	51.3	-
10:00 AM - 11:00 AM	55.8	55.9	n/a	-	52.4	-
11:00 AM - 12:00 PM	56.1	55.7	45.5	-	56.4	-5.6
12:00 PM - 01:00 PM	54.6	55.8	n/a	-	51.3	-
01:00 PM - 02:00 PM	55.0	55.4	n/a	-	50.1	-
02:00 PM - 03:00 PM	54.7	55.7	n/a	-	49.2	-
03:00 PM - 04:00 PM	54.4	53.6	46.7	-	49.6	-1.9
04:00 PM - 05:00 PM	53.6	51.9	48.7	-	49.0	-0.3

Reference Method :

- ISO 1996-1
2. วิธีการตรวจวัดเสียงรบกวน (เสียง) ตามมาตรฐานวิธีปฏิบัติราชการ 24 ฉบับ และตามระเบียบกระทรวงมหาดไทยว่าด้วยการตรวจวัดเสียงรบกวน พ.ศ. 2567
3. วิธีการตรวจวัดเสียงรบกวน (เสียง) ตามมาตรฐานวิธีปฏิบัติราชการ 24 ฉบับ และตามระเบียบกระทรวงมหาดไทยว่าด้วยการตรวจวัดเสียงรบกวน พ.ศ. 2567
4. วิธีการตรวจวัดเสียงรบกวน (เสียง) ตามมาตรฐานวิธีปฏิบัติราชการ 24 ฉบับ และตามระเบียบกระทรวงมหาดไทยว่าด้วยการตรวจวัดเสียงรบกวน พ.ศ. 2567
5. วิธีการตรวจวัดเสียงรบกวน (เสียง) ตามมาตรฐานวิธีปฏิบัติราชการ 24 ฉบับ และตามระเบียบกระทรวงมหาดไทยว่าด้วยการตรวจวัดเสียงรบกวน พ.ศ. 2567

The above results are valid only for the specified period and location. If the location or the period of measurement is changed, the results may be different. The results are not valid for other locations or other periods.

Approved by

Wibab.
Wibwan Borrak
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-031/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110375
Date Received : Nov 05, 2024
Date Reported : Nov 15, 2024
Report Number : 3163492-1

Sample No. : 24110375-13
Parameter : เสียงรบกวน
Location : N2 : ซอยบ้านนาหลวงเดิม ซอย 3 (GPS 47P 0714548, 1441873)
Measurement Date : Oct 31 - Nov 01, 2024
Measurement by : Sanu Chachana
Sound Level Meter : 01122567

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนไม่มีการรบกวน	เสียงรบกวนมีการรบกวน		เสียงที่ตรวจ	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
05:00 PM - 06:00 PM	52.3	50.6	n/a	-	48.8	-
06:00 PM - 07:00 PM	50.6	50.9	n/a	-	47.5	-
07:00 PM - 08:00 PM	52.2	55.7	n/a	-	53.9	-
08:00 PM - 09:00 PM	51.7	54.3	n/a	-	52.0	-
09:00 PM - 10:00 PM	50.4	52.6	n/a	-	49.8	-
10:00 PM - 10:05 PM	49.8	50.6	-	n/a	48.5	-
10:05 PM - 10:10 PM	49.4	50.3	-	n/a	48.4	-
10:10 PM - 10:15 PM	48.8	49.7	-	n/a	47.6	-
10:15 PM - 10:20 PM	49.4	50.4	-	n/a	47.5	-
10:20 PM - 10:25 PM	50.2	51.1	-	n/a	49.9	-
10:25 PM - 10:30 PM	49.2	51.1	-	n/a	48.4	-
10:30 PM - 10:35 PM	49.4	50.8	-	n/a	48.9	-
10:35 PM - 10:40 PM	48.4	50.3	-	n/a	48.0	-
10:40 PM - 10:45 PM	48.6	49.9	-	n/a	48.3	-
10:45 PM - 10:50 PM	49.1	50.2	-	n/a	48.6	-
10:50 PM - 10:55 PM	49.4	50.0	-	n/a	48.3	-
10:55 PM - 11:00 PM	50.0	50.6	-	n/a	49.0	-
11:00 PM - 11:05 PM	48.5	48.8	-	n/a	47.1	-
11:05 PM - 11:10 PM	47.8	48.2	-	n/a	46.6	-
11:10 PM - 11:15 PM	47.1	47.1	-	n/a	44.3	-
11:15 PM - 11:20 PM	47.7	48.8	-	45.4	46.2	-0.8
11:20 PM - 11:25 PM	48.0	48.6	-	n/a	44.3	-
11:25 PM - 11:30 PM	47.7	46.1	-	n/a	43.1	-
11:30 PM - 11:35 PM	44.5	45.6	-	n/a	42.1	-
11:35 PM - 11:40 PM	45.0	45.0	-	n/a	41.0	-
11:40 PM - 11:45 PM	45.1	46.1	-	n/a	41.5	-
11:45 PM - 11:50 PM	46.8	48.0	-	42.1	41.8	0.3
11:50 PM - 11:55 PM	48.3	47.4	-	44.0	45.6	-1.6
11:55 PM - 12:00 AM	49.6	48.7	-	45.2	46.1	-0.8
12:00 AM - 12:05 AM	49.1	48.4	-	43.8	46.5	-2.7
12:05 AM - 12:10 AM	49.2	47.4	-	42.5	46.1	1.4
12:10 AM - 12:15 AM	49.1	47.9	-	45.9	46.0	-0.1
12:15 AM - 12:20 AM	50.3	49.1	-	49.0	46.2	3.8
12:20 AM - 12:25 AM	50.3	49.0	-	47.4	47.8	-0.4
12:25 AM - 12:30 AM	49.1	47.7	-	46.5	46.3	0.2
12:30 AM - 12:35 AM	49.5	48.1	-	46.3	46.6	0.1
12:35 AM - 12:40 AM	49.9	48.2	-	48.0	47.1	0.9
12:40 AM - 12:45 AM	49.9	48.4	-	47.6	46.8	0.8
12:45 AM - 12:50 AM	48.6	48.6	-	46.8	41.9	-
12:50 AM - 12:55 AM	45.2	45.8	-	n/a	41.6	-

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-031/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110375
Date Received : Nov 05, 2024
Date Reported : Nov 15, 2024
Report Number : 3163492-1

Sample No. : 24110375-13
Parameter : เสียงรบกวน
Location : N2 : ซอยบ้านนาหลวงเดิม ซอย 3 (GPS 47P 0714548, 1441873)
Measurement Date : Oct 31 - Nov 01, 2024
Measurement by : Sanu Chachana
Sound Level Meter : 01122567

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนไม่มีการรบกวน	เสียงรบกวนมีการรบกวน		เสียงที่ตรวจ	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
04:15 AM - 04:20 AM	46.7	47.2	-	n/a	45.3	-
04:20 AM - 04:25 AM	46.4	47.6	-	n/a	44.5	-
04:25 AM - 04:30 AM	47.2	46.0	-	41.3	44.0	-2.7
04:30 AM - 04:35 AM	49.3	49.0	-	40.5	46.0	-5.5
04:35 AM - 04:40 AM	48.7	49.3	-	n/a	46.8	-
04:40 AM - 04:45 AM	46.5	47.9	-	n/a	45.7	-
04:45 AM - 04:50 AM	45.3	46.6	-	n/a	44.4	-
04:50 AM - 04:55 AM	46.0	47.5	-	n/a	45.5	-
04:55 AM - 05:00 AM	46.3	46.1	-	n/a	46.1	-
05:00 AM - 05:05 AM	46.0	46.7	-	n/a	46.9	-
05:05 AM - 05:10 AM	46.9	49.5	-	n/a	46.7	-
05:10 AM - 05:15 AM	47.1	49.0	-	n/a	46.8	-
05:15 AM - 05:20 AM	49.0	50.7	-	n/a	48.0	-
05:20 AM - 05:25 AM	47.4	50.6	-	n/a	47.9	-
05:25 AM - 05:30 AM	47.5	51.2	-	n/a	47.9	-
05:30 AM - 05:35 AM	46.0	51.2	-	n/a	47.9	-
05:35 AM - 05:40 AM	45.9	50.3	-	n/a	47.8	-
05:40 AM - 05:45 AM	46.9	50.4	-	n/a	48.4	-
05:45 AM - 05:50 AM	47.5	50.8	-	n/a	49.2	-
05:50 AM - 05:55 AM	47.3	51.0	-	n/a	49.6	-
05:55 AM - 06:00 AM	47.8	50.8	-	n/a	49.2	-
06:00 AM - 07:00 AM	50.5	53.6	n/a	-	52.2	-
07:00 AM - 08:00 AM	49.3	53.0	n/a	-	50.7	-
08:00 AM - 09:00 AM	46.8	50.5	n/a	-	48.6	-
09:00 AM - 10:00 AM	47.7	47.6	31.3	-	44.8	-33.5
10:00 AM - 11:00 AM	46.7	46.7	n/a	-	42.9	-
11:00 AM - 12:00 PM	48.4	49.9	n/a	-	44.8	-
12:00 PM - 01:00 PM	46.7	49.9	n/a	-	43.8	-
01:00 PM - 02:00 PM	45.1	44.6	35.5	-	40.2	-4.7
02:00 PM - 03:00 PM	49.9	48.7	43.7	-	44.8	-1.1
03:00 PM - 04:00 PM	47.2	47.3	20.8	-	42.3	-11.7
04:00 PM - 05:00 PM	46.3	46.4	n/a	-	42.3	-

Reference Method :

- ISO 1996-1
 - ไม่ตรวจวัดในเวลากลางคืน (เนื่องจากเสียงรบกวนจากแหล่งกำเนิดเสียง 24 ชั่วโมง และระดับเสียงสูงสุดที่ตรวจวัดจากแหล่งกำเนิดเสียงในเวลากลางคืน น. 2567)
- หมายเหตุ :
- ผลการตรวจวัดเสียงรบกวน (รวม) ตามเกณฑ์เสียงรบกวนจากแหล่งกำเนิดเสียงที่ตรวจวัดจากแหล่งกำเนิดเสียงในเวลากลางคืน น. 2548
 - ผลการตรวจวัดเสียงรบกวน (รวม) ตามเกณฑ์เสียงรบกวนจากแหล่งกำเนิดเสียงที่ตรวจวัดจากแหล่งกำเนิดเสียงในเวลากลางคืน น. 2567

- Remark :
- ผลการตรวจวัดเสียงรบกวน (รวม) ตามเกณฑ์เสียงรบกวนจากแหล่งกำเนิดเสียงที่ตรวจวัดจากแหล่งกำเนิดเสียงในเวลากลางคืน น. 2548
 - ผลการตรวจวัดเสียงรบกวน (รวม) ตามเกณฑ์เสียงรบกวนจากแหล่งกำเนิดเสียงที่ตรวจวัดจากแหล่งกำเนิดเสียงในเวลากลางคืน น. 2567
 - ค่าเฉลี่ยเสียงรบกวนจากแหล่งกำเนิดเสียงที่ตรวจวัดจากแหล่งกำเนิดเสียงในเวลากลางคืน น. 2548

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-031/66
Project Name : Laemchabang
Project Location :

Sample No. : 24110375-13
Parameter : เสียงรบกวน
Location : N2 : ซอยบ้านนาหลวงเดิม ซอย 3 (GPS 47P 0714548, 1441873)
Measurement Date : Oct 31 - Nov 01, 2024
Measurement by : Sanu Chachana
Sound Level Meter : 01122567

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนไม่มีการรบกวน	เสียงรบกวนมีการรบกวน		เสียงที่ตรวจ	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
12:15 AM - 01:00 AM	45.5	45.5	-	n/a	41.4	-
01:00 AM - 01:05 AM	45.4	45.6	-	n/a	42.0	-
01:05 AM - 01:10 AM	47.4	48.7	-	42.1	42.7	5.4
01:10 AM - 01:15 AM	49.3	47.1	-	48.3	44.7	3.6
01:15 AM - 01:20 AM	46.5	47.1	-	45.9	45.8	0.1
01:20 AM - 01:25 AM	47.9	46.6	-	45.0	45.4	-0.4
01:25 AM - 01:30 AM	47.2	46.1	-	43.7	44.6	-0.9
01:30 AM - 01:35 AM	49.2	46.6	-	46.1	45.5	0.6
01:35 AM - 01:40 AM	46.8	46.1	-	46.2	44.9	1.3
01:40 AM - 01:45 AM	47.2	46.1	-	47.7	44.4	-0.7
01:45 AM - 01:50 AM	48.5	47.0	-	46.2	44.3	1.9
01:50 AM - 01:55 AM	47.7	45.1	-	47.2	43.9	3.3
01:55 AM - 02:00 AM	47.7	45.0	-	45.0	44.8	1.0
02:00 AM - 02:05 AM	44.6	43.8	-	39.9	41.1	-1.2
02:05 AM - 02:10 AM	44.9	43.2	-	43.0	41.2	1.8
02:10 AM - 02:15 AM	44.4	44.4	-	42.9	39.4	-
02:15 AM - 02:20 AM	45.1	44.4	-	39.8	40.3	-0.5
02:20 AM - 02:25 AM	51.3	47.3	-	52.1	42.8	9.3
02:25 AM - 02:30 AM	51.5	50.6	-	47.2	47.1	0.1
02:30 AM - 02:35 AM	51.9	50.7	-	48.7	46.1	0.1
02:35 AM - 02:40 AM	49.8	47.9	-	48.3	46.3	2.0
02:40 AM - 02:45 AM	49.3	47.1	-	45.1	44.6	0.5
02:45 AM - 02:50 AM	47.8	45.6	-	46.4	43.4	3.4
02:50 AM - 02:55 AM	47.5	45.9	-	45.4	42.0	3.4
02:55 AM - 03:00 AM	45.9	44.4	-	43.6	42.2	1.4
03:00 AM - 03:05 AM	46.0	44.1	-	44.5	41.7	2.8
03:05 AM - 03:10 AM	45.0	43.0	-	40.7	39.7	2.0
03:10 AM - 03:15 AM	44.7	43.1	-	42.6	40.7	1.9
03:15 AM - 03:20 AM	44.4	44.2	-	33.9	41.4	-7.5
03:20 AM - 03:25 AM	45.6	43.3	-	38.4	38.4	-5.0
03:25 AM - 03:30 AM	46.0	45.4	-	40.1	47.6	-2.5
03:30 AM - 03:35 AM	44.3	45.8	-	n/a	42.1	-
03:35 AM - 03:40 AM	46.9	45.2	-	42.9	45.9	7.2
03:40 AM - 03:45 AM	47.2	47.0	-	36.7	44.2	-7.5
03:45 AM - 03:50 AM	47.8	47.7	-	34.4	45.6	-11.2
03:50 AM - 03:55 AM	54.5	46.8	-	55.2	45.8	9.9
03:55 AM - 04:00 AM	47.6	47.5	-	34.2	45.3	-11.1
04:00 AM - 04:05 AM	47.7	49.2	-	n/a	46.1	-
04:05 AM - 04:10 AM	47.5	48.3	-	n/a	46.0	-
04:10 AM - 04:15 AM	46.5	46.8	-	n/a	45.0	-

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Lot ID: 24110375
Date Received :Nov 06, 2024
Date Reported :Nov 15, 2024
Report Number : 3163493-1

Page 2 of 3

Analysis / Test Report

Lot ID: 24110375
Date Received :Nov 06, 202
Date Reported :Nov 15, 202
Report Number : 3163493-1

Page 3 of 3

เวลา	รายละเอียด (dB(A))					ค่าตรวจ
	เสียงจาก บนตัวถังพัด	เสียงจาก ใต้ตัวถังรถยนต์	เสียงจากอาคารพาณิชย์		เสียงที่ชุมชน	
			กลางวัน	กลางคืน		การตรวจ
17:55 AM - 01:00 AM	44.0	45.5	-	n/a	41.3	-
01:00 AM - 01:05 AM	43.0	43.1	-	32.8	40.0	4.0
01:05 AM - 01:10 AM	43.4	42.9	-	31.8	40.3	-4.1
01:10 AM - 01:15 AM	45.0	43.1	-	41.5	41.0	2.5
01:15 AM - 01:20 AM	46.0	43.8	-	43.0	41.2	3.8
01:20 AM - 01:25 AM	47.1	44.3	-	46.9	41.4	5.5
01:25 AM - 01:30 AM	46.2	44.7	-	43.9	41.9	2.1
01:30 AM - 01:35 AM	46.7	46.2	-	40.1	43.5	-2.4
01:35 AM - 01:40 AM	45.4	46.0	n/a	n/a	44.1	-
01:40 AM - 01:45 AM	46.2	46.6	-	n/a	45.0	-
01:45 AM - 01:50 AM	46.0	47.4	-	n/a	44.3	-
01:50 AM - 01:55 AM	44.5	45.9	n/a	n/a	42.7	-
01:55 AM - 02:00 AM	46.1	46.9	-	n/a	43.4	-
02:00 AM - 02:05 AM	46.1	47.3	-	n/a	44.1	-
02:05 AM - 02:10 AM	44.9	47.9	-	n/a	44.9	-
02:10 AM - 02:15 AM	46.1	47.0	-	n/a	44.0	-
02:15 AM - 02:20 AM	46.2	47.4	-	43.5	44.3	-0.8
02:20 AM - 02:25 AM	46.4	47.6	-	42.7	44.6	1.0
02:25 AM - 02:30 AM	50.1	49.0	-	46.6	46.0	0.6
02:30 AM - 02:35 AM	48.5	47.5	-	44.6	45.4	-0.8
02:35 AM - 02:40 AM	50.3	46.6	-	36.9	43.5	2.4
02:40 AM - 02:45 AM	49.5	46.1	-	40.9	45.7	1.2
02:45 AM - 02:50 AM	47.8	41.8	-	n/a	45.2	-
02:50 AM - 02:55 AM	45.9	47.3	-	n/a	45.4	-
02:55 AM - 03:00 AM	47.0	47.3	-	n/a	45.3	-
03:00 AM - 03:05 AM	47.4	48.4	-	n/a	45.4	-
03:05 AM - 03:10 AM	47.9	48.3	-	n/a	44.8	-
03:10 AM - 03:15 AM	49.2	48.2	-	45.3	45.4	-0.1
03:15 AM - 03:20 AM	48.7	47.9	-	35.3	45.3	10.3
03:20 AM - 03:25 AM	49.0	48.5	-	41.3	45.6	-1.3
03:25 AM - 03:30 AM	43.3	46.1	-	n/a	45.2	-
03:30 AM - 03:35 AM	44.1	46.1	-	n/a	45.1	-
03:35 AM - 03:40 AM	45.6	49.0	-	n/a	44.5	-
03:40 AM - 03:45 AM	45.1	48.3	-	n/a	42.3	-
03:45 AM - 03:50 AM	47.7	48.2	-	n/a	41.9	-
03:50 AM - 03:55 AM	46.3	46.7	-	n/a	44.7	-
03:55 AM - 04:00 AM	46.5	48.3	-	n/a	44.9	-
04:00 AM - 04:05 AM	41.2	48.5	-	38.2	44.9	-6.7
04:05 AM - 04:10 AM	41.9	47.9	-	n/a	44.6	-
04:10 AM - 04:15 AM	48.9	48.9	-	n/a	44.6	-

Approved by

Wilawan Bor
Manager

The above results are consistent for the end of the 1970s, as well as for the end of the 1980s. The point of the report is that there may be reasons to be wary of the results, rather than from the conclusion that the 1970s and 1980s were very different.

Approved by _____

Wawan Berli

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Lot ID: 24110375
Date Received :Nov 06, 2024
Date Reported :Nov 15, 2024
Report Number : 3163494-1

Page 1 of 3

Analysis / Test Report

Lot ID: 24110375
Date Received :Nov 06, 2024
Date Reported :Nov 15, 2024
Report Number : 3163494-1

Page 2 of 3

เวลา	เสียงจาก แหล่งกำเนิด	ระดับเสียง (dB(A))				ค่าประเมิน การรบกวน
		เสียงจาก แหล่งกำเนิด	เสียงจาก โรงการรบกวน	เสียงจากอาคารรบกวน ภายนอก	เสียงจากอาคารรบกวน ภายใน	
04:00 PM - 05:00 PM	49.5	46.0	46.9	-	43.7	3.2
05:00 PM - 06:00 PM	50.7	43.9	49.7	-	41.5	8.2
06:00 PM - 07:00 PM	50.2	46.7	46.6	-	46.6	0.0
07:00 PM - 08:30 PM	47.7	46.6	44.2	-	45.5	-3.3
08:30 PM - 09:00 PM	46.8	47.5	42.9	-	47.0	-4.3
09:00 PM - 10:00 PM	47.1	46.4	38.8	-	45.9	-7.1
10:00 PM - 10:05 PM	46.5	45.2	-	43.6	44.8	-3.2
10:05 PM - 10:15 PM	46.4	44.7	-	44.5	44.4	0.1
10:15 PM - 10:15 PM	46.2	45.1	-	42.7	44.1	-1.4
10:15 PM - 10:20 PM	45.4	44.2	-	43.2	43.8	-1.6
10:20 PM - 10:25 PM	45.5	44.4	42.0	42.0	44.0	-2.0
10:25 PM - 10:30 PM	45.8	44.4	-	43.2	44.0	-0.8
10:30 PM - 10:35 PM	45.1	44.2	-	40.8	43.9	-3.1
10:35 PM - 10:40 PM	45.7	44.5	-	42.5	43.9	-1.4
10:40 PM - 10:45 PM	47.0	44.7	-	46.1	44.3	1.8
10:45 PM - 10:50 PM	48.0	44.7	-	48.3	44.3	4.0
10:50 PM - 10:55 PM	48.0	46.5	-	40.7	44.4	-3.7
10:55 PM - 11:00 PM	46.4	45.2	-	43.2	44.6	-1.4
11:00 PM - 11:05 PM	47.0	44.7	-	46.1	44.1	2.0
11:05 PM - 11:10 PM	47.4	44.7	-	47.1	44.3	2.8
11:10 PM - 11:15 PM	47.9	44.4	-	44.3	44.0	4.3
11:15 PM - 11:20 PM	48.0	44.7	-	46.3	44.1	4.2
11:20 PM - 11:25 PM	47.9	47.5	-	46.0	44.0	4.0
11:25 PM - 11:30 PM	48.1	44.0	-	48.9	43.9	4.9
11:30 PM - 11:35 PM	48.5	52.5	50.0	44.4	43.6	11.2
11:35 PM - 11:40 PM	48.2	44.2	-	49.0	43.9	5.1
11:40 PM - 11:45 PM	48.2	45.3	-	48.1	43.9	4.2
11:45 PM - 11:50 PM	48.6	44.4	-	49.5	43.9	5.6
11:50 PM - 11:55 PM	48.2	44.6	-	48.7	43.7	4.9
11:55 PM - 12:00 AM	48.8	43.5	-	50.3	43.0	7.3
12:00 AM - 12:05 AM	49.9	44.7	-	49.8	42.6	6.2
12:05 AM - 12:10 AM	48.6	44.2	-	49.6	43.5	6.1
12:10 AM - 12:15 AM	48.5	50.0	-	48.6	43.9	5.0
12:15 AM - 12:20 AM	48.3	48.1	-	49.2	43.5	5.7
12:20 AM - 12:25 AM	48.0	44.4	-	49.5	42.8	4.7
12:25 AM - 12:30 AM	47.7	48.1	-	48.7	43.1	4.9
12:30 AM - 11:35 AM	47.6	43.4	-	44.5	42.8	5.7
12:35 AM - 12:40 AM	48.0	43.6	-	49.0	43.0	6.0
12:40 AM - 12:45 AM	47.6	43.5	-	48.5	42.8	5.7
12:45 AM - 12:50 AM	47.7	48.1	-	48.7	43.4	4.9

Approved by _____

Wilawan Bo
Manager

The above results can only be used for the described test sample(s) as indicated in this report. The part of this report on test items may be reproduced in any form without our firm's consent if the test sample(s) is/are used in a group (i.e. institutional) setting. In this case, the report is not reproduced except in full.

Approved _____

William Borin
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Jitthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Lamchabang
Project Location : Lamchabang

Lot ID: 24110375
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163495-1

Sample No. : 24110375-15
Parameter : เสียงรบกวน
Location : ซอยบางนาซอยสามัคคี ซอย 4 (GPS 47P 0713846, 1441523)
Measurement Date : Oct 27 - 28, 2024
Measurement by : Santi Chalkhana
Sound Level Meter : 00734220

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงที่ฐานการรบกวน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
04:10 AM - 04:15 AM	44.1	44.2	-	n/a	42.7	-
04:15 AM - 04:20 AM	44.6	44.8	-	n/a	42.9	-
04:20 AM - 04:25 AM	44.9	44.9	-	n/a	43.1	-
04:25 AM - 04:30 AM	44.7	44.6	-	n/a	43.2	-
04:30 AM - 04:35 AM	42.9	44.8	-	n/a	44.2	-
04:35 AM - 04:40 AM	45.9	44.9	-	n/a	44.0	-
04:40 AM - 04:45 AM	43.1	44.6	-	n/a	44.2	-
04:45 AM - 04:50 AM	43.1	44.4	-	n/a	43.9	-
04:50 AM - 04:55 AM	43.4	44.7	-	n/a	44.3	-
04:55 AM - 05:00 AM	43.0	44.6	-	n/a	44.2	-
05:00 AM - 05:05 AM	43.3	44.8	-	n/a	44.5	-
05:05 AM - 05:10 AM	40.8	45.2	-	n/a	44.8	-
05:10 AM - 05:15 AM	43.2	45.1	-	n/a	44.9	-
05:15 AM - 05:20 AM	43.7	46.8	-	n/a	45.1	-
05:20 AM - 05:25 AM	43.7	45.3	-	n/a	44.7	-
05:25 AM - 05:30 AM	40.1	46.7	-	n/a	44.8	-
05:30 AM - 05:35 AM	44.4	44.9	-	n/a	44.5	-
05:35 AM - 05:40 AM	44.4	46.2	-	n/a	44.7	-
05:40 AM - 05:45 AM	48.1	47.1	-	n/a	44.6	-
05:45 AM - 05:50 AM	49.2	48.2	-	n/a	43.8	-
05:50 AM - 05:55 AM	53.0	45.5	-	n/a	43.7	-
05:55 AM - 06:00 AM	49.4	44.8	-	n/a	43.8	-
06:00 AM - 06:05 AM	52.8	44.3	-	n/a	41.4	-
06:05 AM - 06:10 AM	46.7	45.1	-	n/a	42.2	-
06:10 AM - 06:15 AM	52.7	44.3	-	n/a	40.1	-
06:15 AM - 06:20 AM	47.4	44.6	-	n/a	40.3	-
06:20 AM - 06:25 AM	50.9	44.0	-	n/a	40.5	-
06:25 AM - 06:30 AM	45.5	43.9	-	n/a	39.7	-
06:30 AM - 06:35 AM	45.7	42.2	-	n/a	38.7	-
06:35 AM - 06:40 AM	52.6	42.4	-	n/a	37.4	-
06:40 AM - 06:45 AM	40.9	40.9	-	n/a	38.6	-
06:45 AM - 06:50 AM	46.9	43.2	-	n/a	40.3	-
ค่าเฉลี่ย						41.0

Reference Method :

- ISO 1996-1
 - ประกาศกระทรวงมหาดไทย เรื่อง วิธีการวัดระดับเสียงรบกวน ระดับเสียง 24 ชั่วโมง และแบบจำลองการคาดการณ์ผลกระทบจากเสียงรบกวน พ.ศ. 2567
 - ประกาศกระทรวงสาธารณสุข เรื่อง ค่ามาตรฐานระดับเสียงรบกวนและระดับเสียงที่ส่งผลกระทบต่อสุขภาพ พ.ศ. 2568
 - ประกาศกระทรวงสาธารณสุข เรื่อง ค่ามาตรฐานการวัดผลกระทบจากเสียงรบกวนจากกิจกรรมในชุมชน พ.ศ. 2561
- Remark :
- ระดับเสียงรบกวนค่าเฉลี่ย 24 ชั่วโมง วันที่ 26-27 ตุลาคม 2567
 - ระดับเสียงรบกวนค่าเฉลี่ย 24 ชั่วโมง (Sample No. 24110375-15) วันที่ระหว่าง 26-27 ตุลาคม 2567
 - น/ก: ไม่สามารถทำการประเมินเสียงรบกวนได้เนื่องจากไม่มีข้อมูลการสังเกตการณ์เสียงรบกวนในสถานที่วัด

Approved by

Wibab
Wibab Borkk
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Jitthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Lamchabang
Project Location : Lamchabang

Lot ID: 24110375
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163495-1

Sample No. : 24110375-16
Parameter : เสียงรบกวน
Location : ซอยบางนาซอยสามัคคี ซอย 4 (GPS 47P 0713846, 1441523)
Measurement Date : Oct 27 - 28, 2024
Measurement by : Santi Chalkhana
Sound Level Meter : 00734220

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงที่ฐานการรบกวน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
04:00 PM - 05:00 PM	55.4	43.4	55.1	-	41.4	13.7
05:00 PM - 06:00 PM	54.5	45.2	53.8	-	43.0	10.8
06:00 PM - 07:00 PM	53.7	47.4	52.5	-	43.8	6.7
07:00 PM - 08:00 PM	53.6	46.1	52.7	-	43.1	9.6
08:00 PM - 09:00 PM	51.9	44.5	51.0	-	43.5	9.5
09:00 PM - 10:00 PM	46.6	47.4	n/a	-	46.5	-
10:00 PM - 10:05 PM	45.2	46.4	n/a	-	48.0	-
10:05 PM - 10:10 PM	45.1	46.6	n/a	-	49.1	-
10:10 PM - 10:15 PM	44.4	46.9	n/a	-	48.4	-
10:15 PM - 10:20 PM	44.2	51.8	n/a	-	49.1	-
10:20 PM - 10:25 PM	44.3	54.5	n/a	-	48.4	-
10:25 PM - 10:30 PM	44.4	50.2	n/a	-	47.8	-
10:30 PM - 10:35 PM	44.7	47.7	n/a	-	47.4	-
10:35 PM - 10:40 PM	45.0	47.6	n/a	-	47.3	-
10:40 PM - 10:45 PM	44.9	47.7	n/a	-	47.3	-
10:45 PM - 10:50 PM	44.9	49.2	n/a	-	47.4	-
10:50 PM - 10:55 PM	45.0	47.8	n/a	-	47.4	-
10:55 PM - 11:00 PM	45.1	46.1	n/a	-	47.7	-
11:00 PM - 11:05 PM	45.6	47.8	n/a	-	47.5	-
11:05 PM - 11:10 PM	45.7	47.9	n/a	-	47.5	-
11:10 PM - 11:15 PM	45.6	46.0	n/a	-	47.6	-
11:15 PM - 11:20 PM	45.8	46.2	n/a	-	47.7	-
11:20 PM - 11:25 PM	43.5	46.0	n/a	-	46.4	-
11:25 PM - 11:30 PM	50.9	47.8	n/a	-	51.0	-
11:30 PM - 11:35 PM	52.7	47.5	n/a	-	54.1	-
11:35 PM - 11:40 PM	49.5	47.7	n/a	-	47.8	-
11:40 PM - 11:45 PM	46.8	47.7	n/a	-	47.3	-
11:45 PM - 11:50 PM	47.9	47.2	n/a	-	46.7	-
11:50 PM - 11:55 PM	47.0	47.0	n/a	-	46.5	-
11:55 PM - 12:00 AM	47.4	47.4	n/a	-	46.0	-
12:00 AM - 12:05 AM	62.8	47.4	n/a	-	65.7	-
12:05 AM - 12:10 AM	49.8	47.2	n/a	-	46.7	-
12:10 AM - 12:15 AM	48.1	46.7	n/a	-	46.2	-
12:15 AM - 12:20 AM	47.5	46.9	n/a	-	46.5	-
12:20 AM - 12:25 AM	47.5	46.9	n/a	-	46.5	-
12:25 AM - 12:30 AM	47.2	46.8	n/a	-	46.3	-
12:30 AM - 12:35 AM	46.9	46.9	n/a	-	46.3	-
12:35 AM - 12:40 AM	47.6	46.8	n/a	-	46.1	-
12:40 AM - 12:45 AM	47.7	46.3	n/a	-	46.0	-
12:45 AM - 12:50 AM	47.9	46.4	n/a	-	45.9	-
ค่าเฉลี่ย						46.3

Approved by

Wibab
Wibab Borkk
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Jitthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Lamchabang
Project Location : Lamchabang

Lot ID: 24110375
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163495-1

Sample No. : 24110375-16
Parameter : เสียงรบกวน
Location : ซอยบางนาซอยสามัคคี ซอย 4 (GPS 47P 0713846, 1441523)
Measurement Date : Oct 27 - 28, 2024
Measurement by : Santi Chalkhana
Sound Level Meter : 00734220

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงที่ฐานการรบกวน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
12:50 AM - 12:55 AM	47.0	46.1	-	n/a	45.8	-
12:55 AM - 01:00 AM	46.9	46.2	-	n/a	45.5	-
01:00 AM - 01:05 AM	47.0	46.3	-	n/a	45.3	-
01:05 AM - 01:10 AM	47.3	45.4	-	n/a	45.8	-
01:10 AM - 01:15 AM	47.1	46.9	-	n/a	44.6	-
01:15 AM - 01:20 AM	47.1	45.3	-	n/a	44.7	-
01:20 AM - 01:25 AM	47.2	46.4	-	n/a	44.0	-
01:25 AM - 01:30 AM	46.4	44.6	-	n/a	44.7	-
01:30 AM - 01:35 AM	46.3	44.6	-	n/a	44.2	-
01:35 AM - 01:40 AM	46.0	44.4	-	n/a	44.1	-
01:40 AM - 01:45 AM	45.7	44.7	-	n/a	44.1	-
01:45 AM - 01:50 AM	45.5	44.9	-	n/a	44.5	-
01:50 AM - 01:55 AM	46.6	44.9	-	n/a	44.5	-
01:55 AM - 02:00 AM	45.8	45.5	-	n/a	37.0	-
02:00 AM - 02:05 AM	45.3	45.4	-	n/a	44.8	-
02:05 AM - 02:10 AM	51.5	44.9	-	n/a	44.3	-
02:10 AM - 02:15 AM	43.5	44.9	-	n/a	44.5	-
02:15 AM - 02:20 AM	43.2	44.6	-	n/a	44.2	-
02:20 AM - 02:25 AM	44.6	44.9	-	n/a	44.3	-
02:25 AM - 02:30 AM	42.7	44.6	-	n/a	44.1	-
02:30 AM - 02:35 AM	43.6	44.5	-	n/a	44.1	-
02:35 AM - 02:40 AM	43.6	44.2	-	n/a	43.8	-
02:40 AM - 02:45 AM	44.1	44.4	-	n/a	44.1	-
02:45 AM - 02:50 AM	44.0	44.5	-	n/a	44.1	-
02:50 AM - 02:55 AM	43.4	44.6	-	n/a	44.1	-
02:55 AM - 03:00 AM	43.5	44.8	-	n/a	44.0	-
03:00 AM - 03:05 AM	43.0	43.7	-	n/a	43.7	-
03:05 AM - 03:10 AM	42.7	44.9	-	n/a	43.8	-
03:10 AM - 03:15 AM	43.8	44.2	-	n/a	43.7	-
03:15 AM - 03:20 AM	42.2	44.2	-	n/a	44.1	-
03:20 AM - 03:25 AM	43.8	44.3	-	n/a	43.7	-
03:25 AM - 03:30 AM	44.6	44.6	-	n/a	44.0	-
03:30 AM - 03:35 AM	45.8	44.3	-	n/a	43.5	-
03:35 AM - 03:40 AM	44.4	43.6	-	n/a	43.6	-
03:40 AM - 03:45 AM	44.2	44.9	-	n/a	43.2	-
03:45 AM - 03:50 AM	44.3	43.7	-	n/a	38.4	-
03:50 AM - 03:55 AM	44.3	43.9	-	n/a	43.6	-
03:55 AM - 04:00 AM	43.1	43.8	-	n/a	43.3	-
04:00 AM - 04:05 AM	42.9	54.2	-	n/a	43.0	-
04:05 AM - 04:10 AM	43.2	44.3	-	n/a	42.6	-
ค่าเฉลี่ย						43.0



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Jitthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Lamchabang
Project Location : Lamchabang

Lot ID: 24110375
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163495-1

Sample No. : 24110375-16
Parameter : เสียงรบกวน
Location : ซอยบางนาซอยสามัคคี ซอย 4 (GPS 47P 0713846, 1441523)
Measurement Date : Oct 27 - 28, 2024
Measurement by : Santi Chalkhana
Sound Level Meter : 00734220

เสียงจากแหล่งกำเนิด		เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงที่ฐานการรบกวน	ค่าเฉลี่ย	เสียงที่ฐานการรบกวน
เวลา	แหล่งกำเนิด	ไม่มีการรบกวน	กลางวัน	กลางคืน	ค่าเฉลี่ย	ค่าเฉลี่ย	ค่าเฉลี่ย
04:10 AM - 04:15 AM	43.4	44.8	-	n/a	43.2	-	-
04:15 AM - 04:20 AM	43.1	62.7	-	n/a	43.9	-	-
04:20 AM - 04:25 AM	43.3	58.2	-	n/a	50.5	-	-
04:25 AM - 04:30 AM	43.8	59.6	-	n/a	51.1	-	-
04:30 AM - 04:35 AM	43.6	46.6	-	n/a	45.1	-	-
04:35 AM - 04:40 AM	43.6	46.6	-	n/a	43.8	-	-
04:40 AM - 04:45 AM	43.5	44.4	-	n/a	43.6	-	-
04:45 AM - 04:50 AM	48.1	47.5	-	n/a	47.5	43.5	4.1
04:50 AM - 04:55 AM	44.5	45.2	-	n/a	43.1	-	-
04:55 AM - 05:00 AM	45.2	49.0	-	n/a	43.6	-	-
05:00 AM - 05:05 AM	44.5	46.4	-	n/a	43.6	-	-
05:05 AM - 05:10 AM	45.0	47.6	-	n/a	43.9	-	-
05:10 AM - 05:15 AM	45.7	45.8	-	n/a	43.5	-	-
05:15 AM - 05:20 AM	45.9	44.9	-	n/a	42.0	43.6	-1.6
05:20 AM - 05:25 AM	46.4	43.8	-	n/a	43.2	43.2	2.7
05:25 AM - 05:30 AM	46.0	44.1	-	n/a	44.5	42.7	1.8
05:30 AM - 05:35 AM	47.1	43.8	-	n/a	43.2	43.2	4.0
05:35 AM - 05:40 AM	47.4	44.5	-	n/a	42.7	43.2	4.1
05:40 AM - 05:45 AM	47.1	43.6	-	n/a	42.7	42.7	4.8
05:45 AM - 05:50 AM	47.4	43.9	-	n/a	43.4	43.4	4.4
05:50 AM - 05:55 AM	47.2	43.6	-	n/a	42.7	42.6	5.1
05:55 AM - 06:00 AM	51.8	43.1	-	n/a	54.2	42.4	11.8
06:00 AM - 07:00 AM	49.1	46.4	40.8	-	44.0	43.2	-0.8
07:00 AM - 08:00 AM	49.9	45.1	46.5	-	46.2	44.2	2.4
08:00 AM - 09:00 AM	46.0	46.1	n/a	-	44.8	-	-
09:00 AM - 10:00 AM	46.2	45.9	44.2	-	45.9	45.9	-0.9
10:00 AM - 11:00 AM	45.1	47.7	n/a	-	46.5	-	-
11:00 AM - 12:00 PM	47.9	44.5	n/a	-	46.3	-	-
12:00 PM - 01:00 PM	47.9	44.2	n/a	-	46.5	46.5	12.6
01:00 PM - 02:00 PM	47.9	43.8	43.8	-	46.4	46.4	5.4
02:00 PM - 03:00 PM	47.0	44.5	43.4	-	46.3	46.3	3.1
03:00 PM - 04:00 PM	49.4	42.4	48.4	-	48.9	48.9	9.5
ค่าเฉลี่ย							5.10



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italtai Tower, New Petchburi Road, Bangkok, Huaykang, Bangkok
Thailand 10310
P/O : R/JN-LCB-033/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110375
Date Received :Nov 06, 2024
Date Reported :Nov 15, 2024
Report Number : 3163496-1

Page 1 of 3

Sample No. 24110375-17
Parameter เสียงรบกวน
Location N3 : ถนนพหลโยธิน/ถนนสุขุมวิท ซอย 4 (GPS 47P 0713866, 1441523)
Measurement Date Oct 28 - 29, 2024
Measurement by Santi Chachana
Sound Level Meter 00734220

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	ระดับเสียง (dB(A))		เสียงที่ตรวจพบ	ค่าเฉลี่ย
			ค่าจริง	ค่าเฉลี่ย		
04:00 PM - 05:00 PM	54.8	53.9	-	39.5	14.4	-
05:00 PM - 06:00 PM	48.1	41.8	-	38.6	8.3	-
06:00 PM - 07:00 PM	49.8	43.4	-	40.5	8.3	-
07:00 PM - 08:00 PM	51.4	43.8	-	41.5	9.1	-
08:00 PM - 09:00 PM	45.2	46.2	n/a	43.0	-	-
09:00 PM - 10:00 PM	43.9	47.5	n/a	45.0	-	-
10:00 PM - 10:05 PM	42.3	47.1	n/a	45.7	-	-
10:05 PM - 10:10 PM	42.4	46.8	n/a	45.7	-	-
10:10 PM - 10:15 PM	42.7	47.3	n/a	45.7	-	-
10:15 PM - 10:20 PM	42.7	47.6	n/a	45.8	-	-
10:20 PM - 10:25 PM	42.1	46.5	n/a	45.7	-	-
10:25 PM - 10:30 PM	42.3	48.5	n/a	45.7	-	-
10:30 PM - 10:35 PM	36.9	46.9	-	39.4	20.7	-
10:35 PM - 10:40 PM	43.5	46.5	-	42.2	3.1	-
10:40 PM - 10:45 PM	42.5	46.5	n/a	40.4	-	-
10:45 PM - 10:50 PM	42.8	41.7	-	39.3	3.1	-
10:50 PM - 10:55 PM	42.8	43.2	n/a	39.0	-	-
10:55 PM - 11:00 PM	42.4	40.1	-	41.5	3.0	-
11:00 PM - 11:05 PM	42.5	41.0	-	40.2	0.5	-
11:05 PM - 11:10 PM	41.6	46.7	n/a	39.8	-	-
11:10 PM - 11:15 PM	41.4	41.3	-	38.0	-11.1	-
11:15 PM - 11:20 PM	41.1	42.3	n/a	39.6	-	-
11:20 PM - 11:25 PM	42.1	46.7	n/a	41.6	-	-
11:25 PM - 11:30 PM	42.3	41.3	n/a	40.8	-	-
11:30 PM - 11:35 PM	42.2	44.6	n/a	41.5	-	-
11:35 PM - 11:40 PM	42.2	43.3	n/a	41.3	-	-
11:40 PM - 11:45 PM	41.9	46.5	n/a	41.8	-	-
11:45 PM - 11:50 PM	42.0	42.5	n/a	41.2	-	-
11:50 PM - 11:55 PM	42.0	44.5	n/a	41.7	-	-
11:55 PM - 12:00 AM	42.1	42.5	n/a	41.4	-	-
12:00 AM - 12:05 AM	42.3	41.4	-	39.4	-2.3	-
12:05 AM - 12:10 AM	42.0	42.0	n/a	42.0	-	-
12:10 AM - 12:15 AM	41.8	46.1	n/a	42.6	-	-
12:15 AM - 12:20 AM	41.7	44.7	n/a	41.7	-	-
12:20 AM - 12:25 AM	41.8	47.0	n/a	44.2	-	-
12:25 AM - 12:30 AM	41.7	44.9	n/a	44.3	-	-
12:30 AM - 12:35 AM	42.0	46.5	n/a	45.0	-	-
12:35 AM - 12:40 AM	42.9	47.4	-	41.3	-5.5	-
12:40 AM - 12:45 AM	43.2	47.3	n/a	47.0	-	-
12:45 AM - 12:50 AM	43.4	48.1	n/a	47.5	-	-

The above results are valid only for the purpose of the test and are not to be used for any other purpose. The test results are subject to the accuracy of the equipment used and the skill of the operator. ALS is not responsible for any errors or omissions in the test results.

Approved by

Wibb.
Wibwan Borik
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italtai Tower, New Petchburi Road, Bangkok, Huaykang, Bangkok
Thailand 10310
P/O : R/JN-LCB-033/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110375
Date Received :Nov 06, 2024
Date Reported :Nov 15, 2024
Report Number : 3163496-1

Page 2 of 3

Sample No. 24110375-17
Parameter เสียงรบกวน
Location N3 : ถนนพหลโยธิน/ถนนสุขุมวิท ซอย 4 (GPS 47P 0713866, 1441523)
Measurement Date Oct 28 - 29, 2024
Measurement by Santi Chachana
Sound Level Meter 00734220

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	ระดับเสียง (dB(A))		เสียงที่ตรวจพบ	ค่าเฉลี่ย
			ค่าจริง	ค่าเฉลี่ย		
12:50 AM - 12:55 AM	42.6	48.1	-	47.8	-	-
12:55 AM - 01:00 AM	42.5	46.7	-	46.0	-	-
01:00 AM - 01:05 AM	42.3	46.4	-	46.4	-	-
01:05 AM - 01:10 AM	42.3	46.1	-	46.1	-	-
01:10 AM - 01:15 AM	41.9	46.3	-	46.3	-	-
01:15 AM - 01:20 AM	42.0	46.4	-	46.4	-	-
01:20 AM - 01:25 AM	41.6	51.4	-	41.6	-	-
01:25 AM - 01:30 AM	41.2	54.0	-	41.2	-	-
01:30 AM - 01:35 AM	41.1	49.7	-	41.2	-	-
01:35 AM - 01:40 AM	41.2	47.2	-	41.2	-	-
01:40 AM - 01:45 AM	41.0	47.1	-	41.2	-	-
01:45 AM - 01:50 AM	40.7	47.2	-	41.2	-	-
01:50 AM - 01:55 AM	40.4	46.7	-	41.2	-	-
01:55 AM - 02:00 AM	41.2	47.3	-	41.2	-	-
02:00 AM - 02:05 AM	41.5	47.6	-	41.2	-	-
02:05 AM - 02:10 AM	41.9	47.3	-	41.2	-	-
02:10 AM - 02:15 AM	42.0	47.4	-	41.2	-	-
02:15 AM - 02:20 AM	41.7	47.5	-	41.2	-	-
02:20 AM - 02:25 AM	39.1	47.7	-	41.2	-	-
02:25 AM - 02:30 AM	38.6	47.5	-	41.2	-	-
02:30 AM - 02:35 AM	39.2	47.3	-	41.2	-	-
02:35 AM - 02:40 AM	38.8	47.0	-	41.2	-	-
02:40 AM - 02:45 AM	38.8	47.2	-	41.2	-	-
02:45 AM - 02:50 AM	38.4	46.1	-	41.2	-	-
02:50 AM - 02:55 AM	38.7	46.7	-	41.2	-	-
02:55 AM - 03:00 AM	38.6	46.5	-	41.2	-	-
03:00 AM - 03:05 AM	41.8	46.8	-	41.2	-	-
03:05 AM - 03:10 AM	45.1	47.0	-	41.2	-	-
03:10 AM - 03:15 AM	41.2	46.7	-	41.2	-	-
03:15 AM - 03:20 AM	41.2	46.2	-	41.2	-	-
03:20 AM - 03:25 AM	41.4	46.4	-	41.2	-	-
03:25 AM - 03:30 AM	45.6	46.4	-	41.2	-	-
03:30 AM - 03:35 AM	43.6	46.3	-	41.2	-	-
03:35 AM - 03:40 AM	41.6	45.9	-	41.2	-	-
03:40 AM - 03:45 AM	41.3	46.3	-	41.2	-	-
03:45 AM - 03:50 AM	41.9	45.8	-	41.2	-	-
03:50 AM - 03:55 AM	41.2	46.1	-	41.2	-	-
03:55 AM - 04:00 AM	41.8	45.6	-	41.2	-	-
04:00 AM - 04:05 AM	42.0	45.7	-	41.2	-	-
04:05 AM - 04:10 AM	42.0	45.9	-	41.2	-	-

Approved by

Wibb.
Wibwan Borik
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italtai Tower, New Petchburi Road, Bangkok, Huaykang, Bangkok
Thailand 10310
P/O : R/JN-LCB-033/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110375
Date Received :Nov 06, 2024
Date Reported :Nov 15, 2024
Report Number : 3163496-1

Page 3 of 3

Sample No. 24110375-17
Parameter เสียงรบกวน
Location N3 : ถนนพหลโยธิน/ถนนสุขุมวิท ซอย 4 (GPS 47P 0713866, 1441523)
Measurement Date Oct 28 - 29, 2024
Measurement by Santi Chachana
Sound Level Meter 00734220

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	ระดับเสียง (dB(A))		เสียงที่ตรวจพบ	ค่าเฉลี่ย
			ค่าจริง	ค่าเฉลี่ย		
04:00 PM - 04:15 AM	41.6	44.9	-	44.5	3.0	-
04:15 AM - 04:30 AM	41.9	44.8	-	44.1	-	-
04:30 AM - 04:45 AM	42.4	44.8	-	44.8	-	-
04:45 AM - 04:50 AM	50.0	43.9	-	43.5	8.3	-
04:50 AM - 04:55 AM	50.2	44.1	-	52.0	8.3	-
04:55 AM - 05:00 AM	50.4	44.1	-	52.2	8.5	-
05:00 AM - 05:05 AM	42.0	43.9	-	43.6	-	-
05:05 AM - 05:10 AM	42.2	44.2	-	43.6	-	-
05:10 AM - 05:15 AM	41.5	44.4	-	44.0	-	-
05:15 AM - 05:20 AM	41.5	44.4	-	44.0	-	-
05:20 AM - 05:25 AM	41.6	44.4	-	44.0	-	-
05:25 AM - 05:30 AM	41.5	44.4	-	44.0	-	-
05:30 AM - 05:35 AM	41.6	44.4	-	44.0	-	-
05:35 AM - 05:40 AM	41.5	44.4	-	44.0	-	-
05:40 AM - 05:45 AM	41.5	44.4	-	44.0	-	-
05:45 AM - 05:50 AM	41.4	43.9	-	43.6	-2.6	-
05:50 AM - 05:55 AM	41.3	45.0	-	43.6	-2.9	-
05:55 AM - 06:00 AM	41.5	44.1	-	42.7	1.6	-
06:00 AM - 06:05 AM	42.3	44.7	-	45.1	-	-
06:05 AM - 06:10 AM	42.6	54.1	n/a	45.5	-	-
06:10 AM - 06:15 AM	44.8	45.0	-	45.0	-	-
06:15 AM - 06:20 AM	45.4	47.2	n/a	42.4	-	-
06:20 AM - 06:25 AM	42.2	44.9	n/a	42.7	-	-
06:25 AM - 06:30 AM	53.0	45.5	-	44.3	7.8	-
06:30 PM - 07:00 PM	46.0	43.9	-	41.7	0.1	-
07:00 PM - 07:05 PM	52.9	45.0	-	42.0	10.1	-
07:05 PM - 07:10 PM	45.3	44.3	-	39.9	-1.5	-
07:10 PM - 07:15 PM	50.6	43.5	-	40.7	7.9	-

Reference Method :
1. ISO 1996-1
2. ประกาศกระทรวงมหาดไทย เรื่อง วิธีการตรวจวัดเสียงรบกวนตามระดับเสียงเฉลี่ยถ่วงน้ำหนักตามระยะเวลา 24 ชั่วโมง และระดับเสียงเฉลี่ยถ่วงน้ำหนักตามระยะเวลา 24 ชั่วโมง พ.ศ. 2567

หมายเหตุ :
1. ประกาศกระทรวงมหาดไทย เรื่อง วิธีการตรวจวัดเสียงรบกวนตามระดับเสียงเฉลี่ยถ่วงน้ำหนักตามระยะเวลา 24 ชั่วโมง และระดับเสียงเฉลี่ยถ่วงน้ำหนักตามระยะเวลา 24 ชั่วโมง พ.ศ. 2567
2. ประกาศกระทรวงมหาดไทย เรื่อง วิธีการตรวจวัดเสียงรบกวนตามระดับเสียงเฉลี่ยถ่วงน้ำหนักตามระยะเวลา 24 ชั่วโมง และระดับเสียงเฉลี่ยถ่วงน้ำหนักตามระยะเวลา 24 ชั่วโมง พ.ศ. 2567

หมายเหตุ :
1. ข้อมูลเสียงรบกวนตามระยะเวลา 24 ชั่วโมง (Sample No. 24110375-17) ได้รับการตรวจวัดในวันที่ 28-29 ตุลาคม 2567
2. ข้อมูลเสียงรบกวนตามระยะเวลา 24 ชั่วโมง (Sample No. 24110375-17) ได้รับการตรวจวัดในวันที่ 28-29 ตุลาคม 2567
3. ข้อมูลเสียงรบกวนตามระยะเวลา 24 ชั่วโมง (Sample No. 24110375-17) ได้รับการตรวจวัดในวันที่ 28-29 ตุลาคม 2567

The above results are valid only for the purpose of the test and are not to be used for any other purpose. The test results are subject to the accuracy of the equipment used and the skill of the operator. ALS is not responsible for any errors or omissions in the test results.

Approved by

Wibb.
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Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italtai Tower, New Petchburi Road, Bangkok, Huaykang, Bangkok
Thailand 10310
P/O : R/JN-LCB-033/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110375
Date Received :Nov 06, 2024
Date Reported :Nov 15, 2024
Report Number : 3163496-1

Page 1 of 3

Sample No. 24110375-18
Parameter เสียงรบกวน
Location N3 : ถนนพหลโยธิน/ถนนสุขุมวิท ซอย 4 (GPS 47P 0713866, 1441523)
Measurement Date Oct 29 - 30, 2024
Measurement by Santi Chachana
Sound Level Meter 00734220

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	ระดับเสียง (dB(A))		เสียงที่ตรวจพบ	ค่าเฉลี่ยการตรวจพบ
			ค่าจริง	ค่าเฉลี่ย		
04:00 PM - 05:00 PM	46.0	43.2	42.8	-	39.8	3.0
05:00 PM - 06:00 PM	57.9	44.3	52.7	-	40.2	17.5
06:00 PM - 07:00 PM	54.3	41.6	54.1	-	34.1	29.6
07:00 PM - 08:00 PM	51.3	44.1	53.3	-	39.0	14.3
08:00 PM - 09:00 PM	52.9	41.8	52.5	-	39.0	14.5
09:00 PM - 10:00 PM	46.0	42.9	46.4	-	46.3	6.5
10:00 PM - 10:05 PM	44.9	42.2	-	50.1	36.3	9.8
10:05 PM - 10:10 PM	44.9	43.7	-	41.7	40.4	1.3
10:10 PM - 10:15 PM	44.9	42.6	-	44.0	40.0	2.0
10:15 PM - 10:20 PM	45.6	41.7	-	44.0	40.2	4.8
10:20 PM - 10:25 PM	45.5	44.1	-	43.9	40.7	2.2
10:25 PM - 10:30 PM	44.6	42.3	-	44.2	40.7	3.5
10:30 PM - 10:35 PM	44.6	42.2	-	43.9	41.5	2.4
10:35 PM - 10:40 PM	44.7	42.1	-	44.2	40.2	3.4
10:40 PM - 10:45 PM	44.8	42.5	-	43.9	41.3	2.6
10:45 PM - 10:50 PM	45.1	45.1	-	n/a	41.0	-
10:50 PM - 10:55 PM	45.4	44.5	-	41.1	42.1	-1.0
10:55 PM - 11:00 PM	45.3	44.5	-	40.6	41.7	-1.1
11:00 PM - 11:05 PM	45.3	41.9	-	45.6	40.2	9.9
11:05 PM - 11:10 PM	45.4	41.4	-	46.2	40.7	5.5
11:10 PM - 11:15 PM	45.5	42.1	-	n/a	42.1	-
11:15 PM - 11:20 PM	46.0	44.1	-	44.5	42.6	1.9
11:20 PM - 11:25 PM	46.1	43.9	-	35.6	42.5	-4.9
11:25 PM - 11:30 PM	46.0	46.0	-	n/a	43.6	-
11:30 PM - 11:35 PM	46.2	45.3	-	41.8	43.2	-1.3
11:35 PM - 11:40 PM	63.9	46.1	-	66.8	45.5	25.3
11:40 PM - 11:45 PM	51.3	45.2	-	50.1	41.7	11.4
11:45 PM - 11:50 PM	53.1	44.6	-	55.4	42.4	12.8
11:50 PM - 11:55 PM	49.9	45.7	-	53.8	43.1	2.7
11:55 PM - 12:00 AM	49.2	47.7	-	46.9	43.2	3.7
12:00 AM - 12:05 AM	48.3	46.2	-	46.1	42.7	4.4
12:05 AM - 12:10 AM	47.4	46.3	-	46.2	44.0	2.3
12:10 AM - 12:15 AM	63.8	45.0	-	70.8	42.9	21.9
12:15 AM - 12:20 AM	67.2	44.6	-	66.1	41.1	24.0
12:20 AM - 12:25 AM	50.2	44.2	-	55.2	41.9	10.0
12:25 AM - 12:30 AM	48.5	44.1	-	48.8	41.7	5.1
12:30 AM - 12:35 AM	49.9	44.4	-	45.6	44.6	0.8
12:35 AM - 12:40 AM	47.9	46.2	-	n/a	46.8	-
12:40 AM - 12:45 AM	47.6	46.2	-	n/a	46.7	-
12:45 AM - 12:50 AM	47.3	49.2	-	n/a	46.8	-

Analysis / Test Report

Client : Rjana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Ittalhai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310

P/O : RJA-CTB-033/66

Project Name : Laemchabang

Project Location :

Lot ID: 24110375
Date Received :Nov 06, 2024
Date Reported :Nov 15, 2024
Report Number : 3163497-1

Sample No.	24110375-18
Parameter	เสียงรบกวน
Location	N3 : มุมสนามฟุตบอลเดิม จดที่ 4 (GPS 47P 0713806, 1441523)
Measurement Date	Oct 29 - 30, 2024
Measurement by	Santi Chaikhana
Sound Level Meter	00734220

Page 2 of 3

เวลา	เสียงจาก แหล่งกำเนิด	เสียงจาก โถงใต้ทางเดิน	เสียงขยายการทราบ		เสียงที่รุนแรง	ค่ารวม การทราบ
			การขับ	การขับ		
12:50 AM - 12:55 AM	48.0	47.8	-	37.5	66.9	-9.4
12:55 AM - 01:00 AM	48.1	48.1	-	n/a	66.9	-
01:00 AM - 01:05 AM	48.3	48.5	-	n/a	67.0	-
01:05 AM - 01:10 AM	47.4	46.6	-	63.9	45.2	-2.5
01:10 AM - 01:15 AM	47.3	46.3	-	63.4	45.7	-1.8
01:15 AM - 01:20 AM	47.2	46.8	-	63.4	45.2	-1.8
01:20 AM - 01:25 AM	47.7	47.1	-	63.8	45.8	-3.6
01:25 AM - 01:30 AM	47.5	47.6	-	n/a	45.2	-
01:30 AM - 01:35 AM	47.5	48.0	-	n/a	45.2	-
01:35 AM - 01:40 AM	47.6	47.6	-	n/a	39.4	-
01:40 AM - 01:45 AM	46.1	46.3	-	66.2	39.4	0.4
01:45 AM - 01:50 AM	46.7	47.2	-	n/a	41.1	-
01:50 AM - 01:55 AM	46.4	42.4	-	42.2	39.4	8.3
01:55 AM - 02:00 AM	46.3	43.9	-	46.3	26.7	5.4
02:00 AM - 02:05 AM	45.9	40.8	-	47.3	22.9	8.1
02:05 AM - 02:10 AM	47.0	41.7	-	48.5	40.4	8.1
02:10 AM - 02:15 AM	46.2	47.4	-	n/a	40.5	-
02:15 AM - 02:20 AM	45.7	42.0	-	46.3	37.4	6.3
02:20 AM - 02:25 AM	51.9	43.0	-	54.3	40.3	14.0
02:25 AM - 02:30 AM	45.4	47.4	-	n/a	42.3	-
02:30 AM - 02:35 AM	43.6	44.0	-	n/a	41.6	-
02:35 AM - 02:40 AM	45.0	45.3	-	n/a	42.3	-
02:40 AM - 02:45 AM	44.1	44.0	-	30.7	42.0	-11.3
02:45 AM - 02:50 AM	44.0	44.6	-	n/a	42.5	-
02:50 AM - 02:55 AM	44.0	43.2	-	39.3	41.3	-2.6
02:55 AM - 03:00 AM	44.5	45.2	-	n/a	42.4	-
03:00 AM - 03:05 AM	44.4	43.2	-	n/a	42.1	-0.9
03:05 AM - 03:10 AM	43.8	43.0	-	39.1	42.3	-3.2
03:10 AM - 03:15 AM	43.9	43.7	-	31.4	42.4	-
03:15 AM - 03:20 AM	43.4	48.8	-	n/a	43.3	-
03:20 AM - 03:25 AM	43.1	45.4	-	n/a	43.8	-
03:25 AM - 03:30 AM	42.7	47.7	-	n/a	44.4	-
03:30 AM - 03:35 AM	44.6	45.6	-	n/a	45.0	-
03:35 AM - 03:40 AM	44.2	47.2	-	n/a	45.7	-
03:40 AM - 03:45 AM	45.0	49.1	-	n/a	47.5	-
03:45 AM - 03:50 AM	46.7	49.0	-	n/a	47.7	-
03:50 AM - 03:55 AM	45.2	48.8	-	n/a	46.2	-
03:55 AM - 04:00 AM	44.6	49.8	-	n/a	48.1	-
04:00 AM - 04:05 AM	44.3	49.3	-	n/a	47.4	-
04:05 AM - 04:10 AM	44.3	49.1	-	n/a	46.4	-

The above results are used only for the stated testing purposes as indicated in this report. For all of the reported test results, we do not provide any form without written consent from the Laboratory. At Customer's Own Risk and without liability, we warrant that this report is not used, sold, copied or falsified.

Approved by

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Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-ICB-033/66
Project Name : Latemchabang
Project Location :

Lot ID: 24110375
Date Received :Nov 06, 2024
Date Reported :Nov 15, 2024
Report Number : 3163498-1

Sample No.	24110375-19
Parameter	เสียงรบกวน
Location	N3 : ระบุชนบ้านดงเตี้ยเดิมเฉีย จดที่ 4 (GPS 47P 0713806, 1441523)
Measurement Date	Oct 30 - 31, 2024
Measurement by	Sanit Chalkhana
Sound Level Meter	00734220

Page 1 of 2

เวลา	ข้อมูลจาก แผนผังสถานี	เสียงบรรยาย	เสียงดนตรี (dB(A))		เสียงที่ฐาน	ค่าดัชนี การรบกวน
			สถานี	สถานี		
04:00 PM - 05:00 PM	55.3	45.5	54.8	-	42.5	32.3
05:00 PM - 06:00 PM	56.5	45.1	49.9	-	46.8	0.1
06:00 PM - 07:00 PM	64.4	44.2	49.2	-	40.6	8.6
07:00 PM - 08:00 PM	52.8	43.5	-	-	37.5	11.9
08:00 PM - 09:00 PM	66.7	45.4	40.8	-	41.3	-0.5
09:00 PM - 10:00 PM	44.6	42.5	40.4	-	39.3	3.2
10:00 PM - 10:05 PM	44.2	44.1	-	45.3	39.7	5.1
10:05 PM - 10:10 PM	43.4	44.7	-	n/a	38	-
10:10 PM - 10:15 PM	41.1	42.6	-	36.5	37.5	-1.0
10:15 PM - 10:20 PM	42.7	44.5	-	n/a	37.3	-
10:20 PM - 10:25 PM	41.8	41.0	-	35.9	36.8	1.6
10:25 PM - 10:30 PM	42.1	39.4	-	43.2	37.7	6.4
10:30 PM - 10:35 PM	42.6	42.8	-	38.9	39.3	-0.4
10:35 PM - 10:40 PM	42.5	43.9	-	n/a	38.0	-
10:40 PM - 10:45 PM	42.7	45.7	-	n/a	41.3	-
10:45 PM - 10:50 PM	57.3	46.2	-	59.9	38.2	21.7
10:50 PM - 10:55 PM	66.9	47.0	-	n/a	40.6	-
10:55 PM - 11:00 PM	43.9	45.5	-	n/a	40.6	-
11:00 PM - 11:05 PM	43.2	47.8	-	n/a	42.8	-
11:05 PM - 11:10 PM	43.3	46.1	-	n/a	39.1	-
11:10 PM - 11:15 PM	42.8	47.4	-	n/a	39.2	-
11:15 PM - 11:20 PM	46.3	46.7	-	41.9	39.9	2.9
11:20 PM - 11:25 PM	42.0	41.6	-	34.4	39.8	-5.4
11:25 PM - 11:30 PM	41.8	39.1	-	45.5	37.5	4.0
11:30 PM - 11:35 PM	41.5	39.3	-	40.5	37.3	3.2
11:35 PM - 11:40 PM	42.5	40.4	-	41.3	36.3	3.2
11:40 PM - 11:45 PM	42.7	40.3	-	42.0	34.4	3.6
11:45 PM - 11:50 PM	42.6	40.2	-	41.9	36.6	3.3
11:50 PM - 11:55 PM	41.8	41.0	-	40.5	36.5	2.1
11:55 PM - 12:00 AM	42.3	42.3	-	n/a	39.0	-
12:00 AM - 12:05 AM	42.4	40.8	-	40.3	39.2	1.1
12:05 AM - 12:10 AM	42.4	42.8	-	n/a	39.6	-
12:10 AM - 12:15 AM	42.5	44.0	-	n/a	41.3	-
12:15 AM - 12:20 AM	43.7	42.1	-	41.6	39.4	2.2
12:20 AM - 12:25 AM	42.4	41.6	-	37.7	39.2	-1.5
12:25 AM - 12:30 AM	42.7	42.8	-	n/a	39.4	-
12:30 AM - 12:35 AM	42.1	41.7	-	38.5	38.5	-4.6
12:35 AM - 12:40 AM	42.2	47.4	-	n/a	42.7	-
12:40 AM - 12:45 AM	42.1	44.6	-	n/a	40.8	-

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Approved by

Wawancara Borirak
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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Ittithai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110375
Date Received :Nov 06, 2024
Date Reported :Nov 15, 2024
Report Number : 3163497-1

Sample No.	24110375-18
Parameter	เสียงรบกวน
Location	N3 : ชุมชนบ้านดงคึมตอนใต้ จมรที่ 4 (GPS 47P 0713886, 1441523)
Measurement Date	Oct 29 - 30, 2024
Measurement by	Sanit Chakchana
Sound Level Meter	00734270

Page 3 of 3

เวลา	เส้นทาง แม่ข่าย-บด	เส้นทาง ไปกลับ/ขาขึ้น	ขบวนขึ้น (B(A))		เส้นทาง ขาขึ้น	ค่าโดยสาร การขบวน
			ขบวนรถขาขึ้น	ขบวนรถ		
04:10 AM - 04:15 AM	43.5	40.8	-	n/a	40.2	-
04:15 AM - 04:20 AM	43.3	40.0	-	n/a	40.3	-
04:20 AM - 04:25 AM	43.7	50.1	-	n/a	40.6	-
04:25 AM - 04:30 AM	43.8	52.1	-	n/a	40.9	-
04:30 AM - 04:35 AM	43.5	54.7	-	n/a	40.5	-
04:35 AM - 04:40 AM	43.7	50.4	-	n/a	40.0	-
04:40 AM - 04:45 AM	44.2	41.9	-	n/a	42.6	-
04:45 AM - 04:50 AM	44.0	40.8	-	n/a	42.5	-
04:50 AM - 04:55 AM	44.0	47.9	-	n/a	42.5	-
04:55 AM - 05:00 AM	43.9	49.4	-	n/a	42.6	-
05:00 AM - 05:05 AM	44.5	40.0	-	41.9	42.6	-5.7
05:05 AM - 05:10 AM	49.9	42.3	-	n/a	42.9	-
05:10 AM - 05:15 AM	45.8	46.0	-	n/a	42.7	-
05:15 AM - 05:20 AM	45.9	40.1	-	n/a	42.7	-
05:20 AM - 05:25 AM	44.4	41.2	-	n/a	42.8	-
05:25 AM - 05:30 AM	46.1	41.4	-	n/a	42.9	-
05:30 AM - 05:35 AM	46.3	40.2	-	n/a	42.5	-
05:35 AM - 05:40 AM	46.8	40.0	-	n/a	42.6	-
05:40 AM - 05:45 AM	46.4	42.7	-	n/a	42.3	-
05:45 AM - 05:50 AM	47.5	42.9	-	n/a	42.2	-
05:50 AM - 05:55 AM	46.8	42.9	-	n/a	42.4	-
05:55 AM - 06:00 AM	47.5	42.4	-	25.1	46.9	-12.8
06:00 AM - 06:05 AM	46.6	41.1	46.5	-	46.4	-
07:00 AM - 08:00 AM	49.1	45.4	46.7	-	44.9	1.8
08:00 AM - 09:00 AM	47.4	45.1	43.5	-	44.5	-1.0
09:00 AM - 10:00 AM	46.1	44.6	40.8	-	43.8	-2.0
10:00 AM - 11:00 AM	45.1	54.8	-	n/a	46.2	-
11:00 AM - 12:00 PM	44.4	45.8	-	n/a	43.5	-
12:00 PM - 01:00 PM	46.4	46.2	n/a	-	43.1	-
01:00 PM - 02:00 PM	54.4	45.9	51.2	-	44.3	9.4
02:00 PM - 03:00 PM	45.8	46.2	-	n/a	45.0	-
03:00 PM - 04:00 PM	47.9	44.8	45.0	-	42.7	2.3
หมายเหตุ						4.10

Reference Method :

1. ISO 1996-1
 2. องค์การอนามัยโลก (WHO) (ปี 1998) รายงานว่าเสียงรบกวนที่เกินกว่า 24 ชั่วโมงต่อสัปดาห์จะมีผลต่อสุขภาพของมนุษย์ (WHO, 2557)
 3. กรมการขนส่งทางบก (ปี 2558) รายงานว่าเสียงรบกวนที่เกิดจากยานพาหนะมีผลกระทบต่อสุขภาพของประชาชน (กรมการขนส่งทางบก, 2558)
 4. กรมการขนส่งทางบก (ปี 2558) รายงานว่าเสียงรบกวนที่เกิดจากยานพาหนะมีผลกระทบต่อสุขภาพของประชาชน (กรมการขนส่งทางบก, 2558)
- ที่มา: กรมการขนส่งทางบก (ปี 2558)

The above results are used only for the analyzed tested samples and are not used as the model for part of the system or substructure may be required in a form which is not covered by the analysis. As an example, Giroud (1994) states, "even though the test results are not necessarily accurate, it is

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-023/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110375
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163498.1

Sample No.	24110375-19
Parameter	เสียงรบกวน
Location	N3 : ขั้วสนามภาคเคเอ็มเคเอ็ม จุดที่ 4 (GPS 47P 0713866, 1441523)
Measurement Date	Oct 30 - 31, 2024
Measurement by	Santi Chakhana
Sound Level Meter	0071A370

Page 2 of 3

เที่ยว	เมืองท่า บนฝั่งอินเดีย	เมืองท่า ในฝั่งทะเลจีน	ท่าเทียบเรือ (GB(A))		เมืองท่าบน ฝั่งจีน	ค่าเงิน การขนถ่าย
			ท่าเทียบเรือ ท่าเรือ	ท่าเทียบเรือ ท่าเรือ		
17:40 AM - 17:55 AM	46.3	41.2	-	50.3	40.5	8.7
17:55 AM - 01:00 AM	43.6	42.6	-	39.7	43.1	-1.4
01:00 AM - 01:05 AM	43.9	44.2	-	n/a	43.9	-
01:05 AM - 01:10 AM	43.9	42.9	-	29.6	43.0	-11.4
01:10 AM - 01:15 AM	43.9	44.4	-	n/a	43.9	-1.1
01:15 AM - 01:20 AM	42.7	43.3	-	n/a	43.7	-
01:20 AM - 01:25 AM	42.7	42.4	-	33.9	41.0	-7.1
01:25 AM - 01:30 AM	42.3	44.8	-	n/a	41.4	-
01:30 AM - 01:35 AM	42.4	43.0	-	n/a	43.4	-
01:35 AM - 01:40 AM	42.0	42.9	-	n/a	42.2	-
01:40 AM - 01:45 AM	41.6	42.8	-	n/a	41.5	-
01:45 AM - 01:50 AM	41.5	43.7	-	n/a	42.0	-
01:50 AM - 01:55 AM	41.6	45.8	-	n/a	43.7	-
01:55 AM - 02:00 AM	41.4	45.2	-	n/a	42.8	-
02:00 AM - 02:05 AM	41.1	45.2	-	n/a	43.4	-
02:05 AM - 02:10 AM	40.8	42.6	-	n/a	42.4	-
02:10 AM - 02:15 AM	41.6	42.1	-	n/a	41.4	-
02:15 AM - 02:20 AM	41.9	47.8	-	n/a	42.8	-
02:20 AM - 02:25 AM	42.3	44.8	-	n/a	43.3	-
02:25 AM - 02:30 AM	42.4	46.6	-	n/a	43.2	-
02:30 AM - 02:35 AM	42.1	46.7	-	n/a	44.3	-
02:35 AM - 02:40 AM	39.5	46.0	-	n/a	43.9	-
02:40 AM - 02:45 AM	39.0	46.4	-	n/a	42.2	-
02:45 AM - 02:50 AM	39.6	45.9	-	n/a	42.4	-
02:50 AM - 02:55 AM	39.2	45.3	-	n/a	42.7	-
02:55 AM - 03:00 AM	39.7	46.4	-	n/a	43.8	-
03:00 AM - 03:05 AM	39.2	44.4	-	n/a	43.9	-
03:05 AM - 03:10 AM	39.1	46.9	-	n/a	43.4	-
03:10 AM - 03:15 AM	40.0	46.0	-	n/a	44.7	-
03:15 AM - 03:20 AM	41.8	45.7	-	n/a	42.6	-
03:20 AM - 03:25 AM	45.5	45.3	-	35.0	40.8	-7.8
03:25 AM - 03:30 AM	44.6	44.9	-	n/a	42.6	-
03:30 AM - 03:35 AM	41.7	45.8	-	n/a	43.4	-
03:35 AM - 03:40 AM	49.0	49.1	-	47.5	47.5	2.0
03:40 AM - 03:45 AM	44.0	49.4	-	n/a	47.5	-
03:45 AM - 03:50 AM	64.0	49.5	-	66.9	47.4	19.5
03:50 AM - 03:55 AM	41.8	49.5	-	n/a	47.5	-
03:55 AM - 04:00 AM	42.7	49.5	-	n/a	47.6	-
04:00 AM - 04:05 AM	42.3	49.8	-	n/a	47.6	-

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : R/N-LCB-031/66
Project Name : Lamchabang
Project Location : Lamchabang

Lot ID: 24110375
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163499-1

Page 3 of 3

Sample No. : 24110375-19
Parameter : เสียงรบกวน
Location : H3 : ซอยหน้าท่าเรือคลองเตย ซอย 4 (GPS 47P 0713886, 1441523)
Measurement Date : Oct 30 - 31, 2024
Measurement by : Santi Chachana
Sound Level Meter : 00734220

รายงานผล (dB(A))					
เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนในอาคาร	เสียงรบกวนการจราจร		ค่ารวม
			ภายใน	ภายนอก	
08:10 AM - 08:15 AM	42.2	42.3	n/a	45.9	-
08:15 AM - 08:20 AM	42.4	42.0	n/a	45.9	-
08:20 AM - 08:25 AM	42.4	42.5	n/a	45.9	-
08:25 AM - 08:30 AM	42.0	42.8	n/a	46.1	-
08:30 AM - 08:35 AM	42.3	42.3	n/a	45.9	-
08:35 AM - 08:40 AM	42.8	45.7	n/a	45.9	-
08:40 AM - 08:45 AM	50.4	47.8	n/a	49.9	10.3
08:45 AM - 08:50 AM	50.8	46.5	n/a	51.5	11.5
08:50 AM - 08:55 AM	50.8	47.4	n/a	51.1	9.8
08:55 AM - 09:00 AM	42.4	42.6	n/a	49.9	-
09:00 AM - 09:05 AM	42.5	44.1	n/a	49.9	-
09:05 AM - 09:10 AM	42.0	42.0	n/a	38.1	-2.3
09:10 AM - 09:15 AM	41.9	41.9	n/a	40.6	-
09:15 AM - 09:20 AM	42.0	47.6	n/a	40.2	-
09:20 AM - 09:25 AM	42.3	42.2	n/a	39.9	-11.1
09:25 AM - 09:30 AM	43.4	43.2	n/a	32.9	-7.6
09:30 AM - 09:35 AM	43.2	47.6	n/a	42.5	-
09:35 AM - 09:40 AM	46.1	44.2	n/a	50.4	8.8
09:40 AM - 09:45 AM	47.4	45.5	n/a	45.9	4.2
09:45 AM - 09:50 AM	50.1	44.2	n/a	51.8	9.6
09:50 AM - 09:55 AM	48.3	44.8	n/a	49.7	6.0
09:55 AM - 10:00 AM	49.9	43.4	n/a	39.1	-4.0
10:00 AM - 10:05 AM	47.1	46.9	31.6	45.4	-11.8
10:05 AM - 10:10 AM	48.6	50.4	n/a	49.4	-
10:10 AM - 10:15 AM	44.2	46.4	n/a	46.4	-
10:15 AM - 10:20 AM	46.6	47.3	n/a	46.8	-
10:20 AM - 10:25 AM	42.6	45.8	n/a	45.2	-
10:25 AM - 10:30 AM	32.2	43.9	32.5	39.2	7.8
10:30 AM - 10:35 AM	47.0	44.9	42.8	44.1	-2.3
10:35 AM - 10:40 AM	32.4	54.9	n/a	46.4	-
10:40 AM - 10:45 AM	49.7	46.1	47.2	43.2	3.5
10:45 AM - 10:50 PM	50.4	46.4	46.1	43.2	2.8

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ค่า

Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. ItaiThai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110375
Date Received :Nov 06, 2024
Date Reported :Nov 15, 2024
Report Number : 3163500-1

Page 1 of 3

เวลา	เสียงจาก บนสถานีรถไฟ	เสียงจาก โถงใต้ทางข้าม	เสียงจากสถานีรถข้าม		เสียงที่ถูกรับ	ค่ารวม
			สถานี	สถานี		การขยาย
04:00 PM - 05:00 PM	55.7	55.5	42.2	-	46.6	-4.7
05:00 PM - 06:00 PM	46.9	46.7	41.9	-	44.4	-5.5
06:00 PM - 07:00 PM	55.7	49.0	45.8	-	43.8	-2.0
07:00 PM - 08:00 PM	53.1	46.5	52.0	-	49.9	-7.1
08:00 PM - 09:00 PM	47.5	46.5	46.0	-	45.8	-5.2
09:00 PM - 10:00 PM	45.5	46.2	42.0	-	44.1	-
10:00 PM - 10:05 PM	44.6	46.6	-	ก/ด	42.7	-
10:05 PM - 10:10 PM	45.5	46.1	-	ก/ด	41.7	-
10:10 PM - 10:15 PM	44.8	43.4	-	ก/ด	42.2	1.2
10:15 PM - 10:20 PM	44.0	44.4	-	ก/ด	42.1	-
10:20 PM - 10:25 PM	43.7	48.3	-	ก/ด	41.5	-
10:25 PM - 10:30 PM	43.3	45.1	-	ก/ด	42.5	-
10:30 PM - 10:35 PM	43.4	45.5	-	ก/ด	43.2	-
10:35 PM - 10:40 PM	43.2	45.8	-	ก/ด	43.4	-
10:40 PM - 10:45 PM	44.2	46.2	-	ก/ด	44.2	-
10:45 PM - 10:50 PM	43.1	46.1	-	ก/ด	43.1	-
10:50 PM - 10:55 PM	43.1	45.1	-	ก/ด	42.9	-
10:55 PM - 11:00 PM	57.9	45.5	60.7	-	43.1	17.6
11:00 PM - 11:05 PM	41.5	49.0	-	ก/ด	45.3	-
11:05 PM - 11:10 PM	45.5	49.2	-	ก/ด	45.3	-
11:10 PM - 11:15 PM	43.8	45.6	-	ก/ด	43.9	-
11:15 PM - 11:20 PM	43.8	47.8	-	ก/ด	42.9	-
11:20 PM - 11:25 PM	43.4	43.6	-	ก/ด	39.7	-
11:25 PM - 11:30 PM	42.5	44.5	-	ก/ด	40.3	-
11:30 PM - 11:35 PM	43.6	44.0	-	ก/ด	41.2	-
11:35 PM - 11:40 PM	42.4	46.5	-	ก/ด	43.3	-
11:40 PM - 11:45 PM	42.1	46.8	-	ก/ด	41.8	-
11:45 PM - 11:50 PM	43.1	41.8	-	ก/ด	41.3	-
11:50 PM - 11:55 PM	43.1	43.1	-	ก/ด	41.4	-
11:55 PM - 12:00 AM	43.2	42.7	-	ก/ด	38.6	-1.9
12:00 AM - 12:05 AM	43.2	47.4	-	ก/ด	43.2	-
12:05 AM - 12:10 AM	42.9	44.1	-	ก/ด	39.5	-
12:10 AM - 12:15 AM	43.0	44.4	-	ก/ด	41.1	-
12:15 AM - 12:20 AM	43.0	44.6	-	ก/ด	41.3	-
12:20 AM - 12:25 AM	43.1	43.7	-	ก/ด	40.7	-
12:25 AM - 12:30 AM	43.1	44.3	-	ก/ด	41.9	-
12:30 AM - 12:35 AM	43.0	43.4	-	ก/ด	42.2	-
12:35 AM - 12:40 AM	43.8	44.6	-	ก/ด	41.4	-
12:40 AM - 12:45 AM	42.7	45.6	-	ก/ด	42.5	-
12:45 AM - 12:50 AM	43.7	45.7	-	ก/ด	41.7	-

The above results suggest that the two subgroups of participants ($n = 60$ and $n = 61$) did not differ in any of the measures of this questionnaire. A 2 (female $n = 60$ and male $n = 61$) two-way analysis of variance (ANOVA) and a Levene's test for homogeneity of variance revealed no significant differences between the two groups. A 2 (female $n = 60$ and male $n = 61$) two-way ANOVA and a Levene's test for homogeneity of variance revealed no significant differences between the two groups.

Approved by _____

Wilawan Borirak
Manager

Address: 616/10 Moo 5, T. Maenam Khu A, Phukdaeng Rayong 21140 Thailand. Phone: +66 0 3304 8555 Fax: +66 0 3304 8556



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110375
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163500-1

Page 2 of 3

Sample No. 2410375-21
 Parameter เสียงรบกวน
 Location N3 : หมู่บ้านคลองตมยูน รหัส 4 (GPS 471386, 1441523)
 Measurement Date Nov 01 - 02, 2024
 Measurement by Sound Level Meter New Sit Chachana 00734220

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงจากภายในอาคาร	เสียงจากอาคารภายนอก		เสียงที่ปรากฏ	ค่าความถี่
			ภายนอก	ภายใน		
17:30 AM - 17:55 AM	46.9	46.0	-	n/a	40.5	-
17:55 AM - 01:00 AM	43.0	43.0	-	n/a	41.3	-
01:00 AM - 05:05 AM	42.9	43.8	-	n/a	40.3	10.0
01:05 AM - 01:10 AM	44.2	44.0	-	n/a	39.4	1.6
01:10 AM - 01:15 AM	44.4	44.6	-	n/a	38.9	-
01:15 AM - 01:20 AM	43.6	46.7	-	n/a	41.7	-
01:20 AM - 01:25 AM	43.5	43.4	-	n/a	40.1	-10.0
01:25 AM - 01:30 AM	43.3	42.9	-	35.7	38.6	-2.9
01:30 AM - 01:35 AM	43.1	42.8	-	41.0	38.7	2.3
01:35 AM - 01:40 AM	42.9	45.0	-	n/a	41.7	-
01:40 AM - 01:45 AM	42.0	44.6	-	n/a	41.1	-
01:45 AM - 02:00 AM	42.6	43.2	-	n/a	40.6	-
02:00 AM - 02:15 AM	42.2	43.8	-	n/a	42.5	-
02:15 AM - 02:40 AM	42.1	43.4	-	n/a	39.6	-
02:40 AM - 02:55 AM	42.2	43.6	-	n/a	39.4	-
02:55 AM - 03:10 AM	42.0	44.1	-	n/a	41.4	-
03:10 AM - 03:15 AM	41.7	44.0	-	n/a	40.3	-
03:15 AM - 03:20 AM	41.4	47.3	-	n/a	44.3	-
03:20 AM - 03:25 AM	42.1	42.8	-	n/a	43.3	-
03:25 AM - 03:30 AM	42.5	42.9	-	n/a	41.8	-
03:30 AM - 03:35 AM	42.9	45.5	-	n/a	40.7	-
03:35 AM - 03:40 AM	43.0	45.5	-	n/a	40.9	-
03:40 AM - 03:45 AM	42.7	46.9	-	n/a	43.5	-
03:45 AM - 03:50 AM	40.1	44.1	-	n/a	41.3	-
03:50 AM - 03:55 AM	39.6	42.9	-	n/a	39.6	-
03:55 AM - 04:00 AM	40.2	44.6	-	n/a	40.2	-
04:00 AM - 04:05 AM	39.4	46.6	-	n/a	41.8	-
04:05 AM - 04:10 AM	35.8	43.7	-	n/a	40.0	-
04:10 AM - 04:15 AM	39.8	46.0	-	n/a	39.7	-
04:15 AM - 04:20 AM	39.7	43.7	-	n/a	41.0	-
04:20 AM - 04:25 AM	40.6	43.3	-	n/a	38.5	-
04:25 AM - 04:30 AM	42.4	44.6	-	n/a	41.2	-
04:30 AM - 04:35 AM	41.0	43.0	-	n/a	40.2	5.5
04:35 AM - 04:40 AM	42.2	44.7	-	n/a	37.8	-
04:40 AM - 04:45 AM	43.3	42.9	-	n/a	39.2	-
04:45 AM - 04:50 AM	40.6	41.6	-	53.9	37.6	14.3
04:50 AM - 04:55 AM	46.4	42.0	-	42.8	39.9	7.9
04:55 AM - 04:00 AM	44.4	43.7	-	67.6	41.6	26.0
04:00 AM - 04:05 AM	42.4	42.5	-	n/a	40.5	-
04:05 AM - 04:10 AM	43.3	43.3	-	n/a	41.7	-

The above results are valid only for the single periodic signals as indicated in this report. The part of the results on cell cycle may be reproduced in a form without any further change for the other two - 5 and 11 day wave group (Shaw and Smith, 1980; Smith and Shaw, 1981). But again, it is not an exact reproduction.

Approved by _____

Willem Borlak

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/115 26TH Fl, Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110375
Date Received :Nov 06, 2024
Date Reported :Nov 15, 2024
Report Number : 3163500-1

Page 3 of 3

Sample No.

2410375-21

Page 3 of 3

Parameter

ไฮโดรเจน

Location

N3 : สะพานนาคราชเขตคันทรี่ พหล 4 (GPS 47P 071866, 1441523)

Measurement Date

Nov 01 - 02, 2024

Measurement by

Santi Chichana

Sound Level Meter

00734220

รายชั่วโมง (dB(A))

เวลา	ไฮโดรเจน บนฝั่งภาคใต้	ไฮโดรเจน ใต้เกาะชวบท	ไฮโดรเจนทิศทางชวบท		ไฮโดรเจน ภาคเหนือ	ค่าเฉลี่ย ภาคชวบท
			ภาคใต้	ภาคเหนือ		
04:10 AM - 04:15 AM	42.0	-	-	39.0	-	39.0
04:15 AM - 04:20 AM	42.2	45.5	-	39.8	-	40.6
04:20 AM - 04:25 AM	40.8	42.4	-	n/a	-	38.3
04:25 AM - 04:30 AM	41.0	44.8	-	n/a	-	40.1
04:30 AM - 04:35 AM	43.0	45.0	-	37.7	-	39.7
04:35 AM - 04:40 AM	42.6	40.2	-	41.9	-	38.1
04:40 AM - 04:45 AM	43.0	42.9	-	n/a	-	40.1
04:45 AM - 04:50 AM	43.4	44.7	-	n/a	-	38.4
04:50 AM - 04:55 AM	41.0	46.5	-	52.1	-	40.1
04:55 AM - 05:00 AM	51.2	47.0	-	52.1	-	39.0
05:00 AM - 05:05 AM	51.4	46.0	-	51.7	-	41.7
05:05 AM - 05:10 AM	43.0	46.3	-	n/a	-	40.6
05:10 AM - 05:15 AM	43.1	48.1	-	n/a	-	41.4
05:15 AM - 05:20 AM	42.6	46.9	-	n/a	-	40.1
05:20 AM - 05:25 AM	42.5	46.7	-	n/a	-	40.0
05:25 AM - 05:30 AM	42.6	41.5	-	39.1	-	39.4
05:30 AM - 05:35 AM	42.9	47.4	-	36.3	-	40.6
05:35 AM - 05:40 AM	45.0	39.9	-	44.9	-	34.7
05:40 AM - 05:45 AM	41.8	40.1	-	44.4	-	34.1
05:45 AM - 05:50 AM	49.7	41.2	-	52.0	-	39.9
05:50 AM - 05:55 AM	49.0	40.1	-	50.0	-	39.2
05:55 AM - 06:00 AM	50.7	41.0	-	52.2	-	39.4
06:00 AM - 07:00 AM	47.0	44.1	43.9	-	40.9	3.0
07:00 AM - 08:00 AM	49.5	44.1	48.0	-	42.7	5.8
08:00 AM - 09:00 AM	45.2	46.5	n/a	-	41.5	-
09:00 AM - 10:00 AM	46.7	47.6	n/a	-	45.5	-
10:00 AM - 11:00 AM	44.9	49.0	n/a	-	46.9	-
11:00 AM - 12:00 PM	53.4	45.7	52.6	-	41.8	10.0
12:00 PM - 01:00 PM	53.1	48.4	49.9	-	45.0	-1.3
01:00 PM - 02:00 PM	53.1	51.2	46.4	-	49.1	-0.7
02:00 PM - 03:00 PM	45.3	49.2	n/a	-	46.4	-
03:00 PM - 04:00 PM	50.8	48.3	47.2	-	47.8	-0.6

- [illegible]

The above results are valid only for the as-received feed, regardless of the indicated in this report. The use of this report for other feeds may be inappropriate and is not recommended without written consent from the laboratory. (See Laboratory Consent Statement)

Approved by _____

Wilawan Borirak
Mahasarakham

ADDRESS 616/10 Moo 5, T. Nongnang Khui, A. Bluebanded Bayong 21140 Thailand. TEL: +66 0 3304 8553 FAX: +66 0 3304 8554



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH R. Italthai Towee, New Petchburi Road, Bangkapi, Huaykavang, Bangkok
Thailand 10310

P/O : RJN-LCB-013/66

Project Name : Laemchabang

Project Location :

Lot ID: 24110375
Date Received :Nov 06, 2024
Date Reported :Nov 15, 2024
Report Number : 3163501-1

Page 1 of 3

Sample No.

Parameter

Location

Measurement Date

Measurement by

Sound Level Meter

24110175-22

เมืองท่าขนอม

N4 : ซากปรุบับ/ทะเลตื้น ลาด 5 (GPS 47°02'49.0, 144°11.90)

01 Oct - 27, 2024

Sanik Chuchana

002031183

Page 1 of 1

หน่วยเสียง (dB(A))							
เวลา	เสียงจากแหล่งกำเนิด	เสียงจากไม่กั้นกั้นขวาง	เสียงตามกั้นการกั้นขวาง		เสียงพื้นรอบๆ	ค่ารวม	การคำนวณ
			กลางวัน	กลางคืน			
04:00 PM - 05:00 PM	52.2	54.3	n/a	-	45.5	-	-
05:00 PM - 06:00 PM	49.8	50.4	-	-	41.3	-	-
06:00 PM - 07:00 PM	49.7	47.7	45.4	-	41.1	4.3	-
07:00 PM - 08:00 PM	47.0	44.6	43.2	-	40.1	1.2	-
08:00 PM - 09:00 PM	41.9	43.2	40.0	-	40.0	2.0	-
09:00 PM - 10:00 PM	42.7	44.0	35.1	-	35.5	2.9	-
10:00 PM - 10:05 PM	42.9	42.2	-	37.6	40.7	-3.1	-
10:05 PM - 10:10 PM	46.6	43.1	-	40.8	40.4	6.4	-
10:10 PM - 10:15 PM	40.8	41.4	-	n/a	40.5	-	-
10:15 PM - 10:20 PM	40.7	41.3	-	n/a	40.8	-	-
10:20 PM - 10:25 PM	40.7	41.3	-	n/a	40.9	-	-
10:25 PM - 10:30 PM	45.6	43.1	-	45.0	41.1	3.9	-
10:30 PM - 10:35 PM	40.4	40.9	-	n/a	40.3	-	-
10:35 PM - 10:40 PM	40.8	40.0	-	n/a	40.9	-	-
10:40 PM - 10:45 PM	40.7	41.8	-	n/a	40.5	-	-
10:45 PM - 10:50 PM	40.8	41.4	-	n/a	40.3	-	-
10:50 PM - 10:55 PM	40.2	41.1	-	n/a	40.2	-	-
10:55 PM - 11:00 PM	40.6	41.2	-	n/a	40.5	-	-
11:00 PM - 11:05 PM	41.3	40.8	-	34.7	40.2	-5.5	-
11:05 PM - 11:10 PM	44.6	40.5	-	43.0	40.2	3.2	-
11:10 PM - 11:15 PM	39.6	40.9	-	n/a	40.2	-	-
11:15 PM - 11:20 PM	39.8	40.7	-	n/a	39.9	-	-
11:20 PM - 11:25 PM	39.9	40.5	-	n/a	40.0	-	-
11:25 PM - 11:30 PM	39.7	40.8	-	n/a	40.0	-	-
11:30 PM - 11:35 PM	39.7	40.9	-	n/a	40.3	-	-
11:35 PM - 11:40 PM	40.0	40.9	-	n/a	40.7	-	-
11:40 PM - 11:45 PM	40.3	41.2	-	n/a	40.7	-	-
11:45 PM - 11:50 PM	41.1	41.7	-	n/a	41.1	-	-
11:50 PM - 11:55 PM	40.3	41.4	-	n/a	40.9	-	-
11:55 PM - 12:00 AM	41.5	41.5	-	n/a	41.0	-	-
12:00 AM - 12:05 AM	39.9	40.9	-	n/a	40.3	-	-
12:05 AM - 12:10 AM	40.4	40.7	-	n/a	40.0	-	-
12:10 AM - 12:15 AM	40.2	41.0	-	n/a	40.5	-	-
12:15 AM - 12:20 AM	40.6	41.2	-	n/a	40.7	-	-
12:20 AM - 12:25 AM	40.9	41.4	-	n/a	40.8	-	-
12:25 AM - 12:30 AM	40.4	41.5	-	n/a	40.9	-	-
12:30 AM - 12:35 AM	41.2	40.9	-	n/a	40.0	-	-
12:35 AM - 12:40 AM	39.4	40.9	-	n/a	40.0	-	-
12:40 AM - 12:45 AM	39.4	41.3	-	n/a	40.3	-	-
12:45 AM - 12:50 AM	39.8	41.2	-	n/a	40.0	-	-

The above results are used here for the first time for the purpose of providing a preliminary assessment of the impact of the 1997-1998 El Niño event on the global climate system. The results are presented in the form of a global map of the difference in the monthly mean precipitation rate between the 1997-1998 El Niño event and the 1996-1997 El Niño event. The results are presented in the form of a global map of the difference in the monthly mean precipitation rate between the 1997-1998 El Niño event and the 1996-1997 El Niño event.

Approved by _____

Wilwan Borirak
Manager



Lot ID: 24110375
Date Received :Nov 06, 2024
Date Reported :Nov 15, 2024
Report Number : 3163501-1

Page 2 of 3

Analysis / Test Report

Lot ID: 24110375
Date Received :Nov 06, 2024
Date Reported :Nov 15, 2024
Report Number : 3163501-1

Page 3 of 3

เวลา	เที่ยวจาก นนทบุรี/ปทุมธานี	เที่ยวจาก โถกใหญ่	เที่ยวเชื่อม (DB(A))		เที่ยวถึงฐาน	ค่าโดยสาร การบริการ
			เที่ยวจากสถานี กลาง	เที่ยวจาก กลาง		
12:50 AM - 12:55 AM	39.4	41.3	-	n/a	40.1	-
1:55 AM - 01:00 AM	39.5	41.1	-	n/a	39.7	-
01:00 AM - 01:05 AM	39.9	40.9	-	n/a	39.8	-
02:05 AM - 01:10 AM	41.4	40.3	-	37.8	38.9	-0.8
01:10 AM - 01:15 AM	39.0	40.4	-	n/a	39.4	-
01:15 AM - 01:20 AM	39.3	41.6	-	n/a	40.4	-
01:20 AM - 01:25 AM	65.1	64.7	-	39.5	39.5	8.3
01:25 AM - 01:30 AM	56.5	54.6	-	53.4	53.4	-
01:30 AM - 01:35 AM	52.4	51.4	-	49.5	45.4	3.1
01:35 AM - 01:40 AM	44.7	43.7	-	37.6	42.1	-4.7
01:40 AM - 01:45 AM	45.3	42.0	-	40.0	42.1	-
01:45 AM - 01:50 AM	45.2	42.6	-	45.8	41.1	4.7
01:50 AM - 01:55 AM	44.3	43.2	-	43.0	41.0	2.0
01:55 AM - 02:00 AM	43.6	42.6	-	39.7	40.4	-0.9
02:00 AM - 02:05 AM	41.8	41.2	-	50.4	41.4	9.0
02:05 AM - 02:10 AM	41.8	42.5	-	47.8	40.9	6.9
02:10 AM - 02:15 AM	46.6	42.5	-	42.5	41.0	6.5
02:15 AM - 02:20 AM	43.1	42.1	-	39.2	41.2	-1.8
02:20 AM - 02:25 AM	41.3	42.5	-	n/a	41.2	-
02:25 AM - 02:30 AM	40.9	41.9	-	n/a	41.2	-
02:30 AM - 02:35 AM	43.6	42.5	-	40.1	40.7	-0.6
02:35 AM - 02:40 AM	40.7	41.7	-	n/a	41.1	-
02:40 AM - 02:45 AM	41.8	41.6	-	n/a	40.9	-
02:45 AM - 02:50 AM	40.7	41.4	-	n/a	42.6	-
02:50 AM - 02:55 AM	40.9	41.7	-	n/a	40.5	-
02:55 AM - 03:00 AM	41.0	41.2	-	n/a	40.9	-
03:00 AM - 03:05 AM	44.7	43.2	-	42.4	41.0	1.4
03:05 AM - 03:10 AM	42.9	42.3	-	27.0	41.5	-4.5
03:10 AM - 03:15 AM	41.3	41.7	-	n/a	39.1	-
03:15 AM - 03:20 AM	41.0	42.5	-	n/a	41.2	-
03:20 AM - 03:25 AM	42.1	42.3	-	n/a	40.9	-
03:25 AM - 03:30 AM	42.3	41.9	-	n/a	40.8	-
03:30 AM - 03:35 AM	41.8	42.3	-	n/a	41.0	-
03:35 AM - 03:40 AM	41.4	42.2	-	31.9	41.1	-9.2
03:40 AM - 03:45 AM	41.9	42.0	-	n/a	41.0	-
03:45 AM - 03:50 AM	41.4	41.9	-	n/a	41.2	-
03:50 AM - 03:55 AM	41.4	41.7	-	n/a	40.7	-
03:55 AM - 04:00 AM	43.1	42.1	-	39.2	40.7	-1.5
04:00 AM - 04:05 AM	40.8	41.3	-	n/a	40.1	-

ขบวนรถ (DB(A))						
เวลา	(เมืองท่า บนสุด/ท่าจอด	เมืองท่า ต่อไป/ท่าจอด	เมืองท่า/สถานีการขนถ่าย		เวลาที่ผ่าน	ท่าจอด
			กลางคืน	กลางวัน		
				การขนถ่าย		
04:10 AM - 04:15 AM	40.7	42.3	-	n/a	41.3	-
04:15 AM - 04:20 AM	40.5	42.0	-	n/a	40.9	-
04:20 AM - 04:25 AM	41.0	45.6	-	n/a	41.2	-
04:25 AM - 04:30 AM	48.5	49.4	-	-	49.0	5.0
04:30 AM - 04:35 AM	49.5	53.9	-	n/a	40.1	-
04:35 AM - 04:40 AM	49.6	49.4	-	39.1	40.1	-1.0
04:40 AM - 04:45 AM	53.1	55.2	-	n/a	40.6	-
04:45 AM - 04:50 AM	53.3	55.5	-	n/a	40.1	-
04:50 AM - 04:55 AM	51.6	51.6	-	n/a	40.7	-
04:55 AM - 05:00 AM	39.9	41.4	-	n/a	40.4	-
05:00 AM - 05:05 AM	50.0	54.3	-	n/a	39.4	-
05:05 AM - 05:10 AM	56.2	56.5	-	-	40.1	-
05:10 AM - 05:15 AM	41.4	41.8	-	n/a	40.6	-
05:15 AM - 05:20 AM	41.5	41.6	-	n/a	40.1	-
05:20 AM - 05:25 AM	39.1	41.6	-	n/a	40.2	-
05:25 AM - 05:30 AM	39.3	41.0	-	n/a	39.7	-
05:30 AM - 05:35 AM	39.0	41.4	-	n/a	39.9	-
05:35 AM - 05:40 AM	31.8	42.1	-	n/a	39.4	-
05:40 AM - 05:45 AM	45.0	41.0	-	45.8	39.1	6.7
05:45 AM - 05:50 AM	43.5	44.1	-	n/a	39.2	-
05:50 AM - 05:55 AM	41.5	41.0	-	34.9	39.1	-4.2
05:55 AM - 06:00 AM	41.5	44.0	-	n/a	39.6	-
06:00 AM - 07:00 AM	46.7	47.2	n/a	-	38.7	-
07:00 AM - 08:30 AM	51.4	51.4	n/a	-	41.9	-
08:30 AM - 09:00 AM	50.9	50.5	n/a	-	45.5	-
09:00 AM - 10:00 AM	48.9	49.7	n/a	-	44.5	-
10:00 AM - 11:00 AM	46.4	50.6	n/a	-	44.6	-
11:00 AM - 12:00 PM	48.3	50.0	n/a	-	44.4	-
12:00 PM - 01:00 PM	46.1	47.3	n/a	-	40.2	-
01:00 PM - 02:00 PM	52.9	55.3	n/a	-	44.3	-
02:00 PM - 03:00 PM	47.6	49.7	n/a	-	42.5	-
03:00 PM - 04:00 PM	47.4	47.9	n/a	-	41.6	-
รวมทั้งหมด						510

Reference: Hether :
1. ISO 1996-1
2. ข้อมูลการขนถ่ายสินค้า (รวม ปริมาณการขนถ่ายสินค้าและปริมาณการขนถ่ายสินค้า) 24 ชั่วโมง ณ สถานีขนส่งสินค้าท่าอากาศยานนานาชาติสุวรรณภูมิ
หมายเหตุ:
1. ปริมาณการขนถ่ายสินค้า (รวม ปริมาณการขนถ่ายสินค้าและปริมาณการขนถ่ายสินค้า) โดยไม่รวมการขนถ่ายสินค้าท่าอากาศยานนานาชาติสุวรรณภูมิ
2. ปริมาณการขนถ่ายสินค้า (รวม ปริมาณการขนถ่ายสินค้าและปริมาณการขนถ่ายสินค้า) โดยไม่รวมการขนถ่ายสินค้าท่าอากาศยานนานาชาติสุวรรณภูมิ

[illegible]

Approved by _____

Wilawan Borirak
Manager

Approved by _____

Wilayan Borirak

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www.alsglobal.com

www.elsevier.com

Analysis / Test Report

Lot ID: 24110375
Date Received :Nov 06, 2024
Date Reported :Nov 15, 2024
Report Number : 3163502-1

Page 1 of 3

Analysis / Test Report

Lot ID: 24110375
Date Received :Nov 06, 2024
Date Reported :Nov 15, 2024
Report Number : 3163502-1

Page 2 of 3

เวลา	ชุดสีเอช (4B(3))					ค่าเฉลี่ย
	เปลี่ยนจาก แม่เหล็กไฟฟ้า	เปลี่ยนจาก โวลต์การขยาย	เปลี่ยนจาก การขยาย	เปลี่ยนจาก การขยาย	เปลี่ยนจาก การขยาย	
04:00 PM - 05:00 PM	49.3	49.0	39.9	n/a	41.6	1.7
05:00 PM - 06:00 PM	47.9	46.2	n/a	-	40.8	-
06:00 PM - 07:00 PM	47.8	48.1	n/a	-	41.6	-
07:00 PM - 08:00 PM	49.8	47.7	42.6	-	41.7	0.9
08:00 PM - 09:00 PM	47.3	45.3	43.0	-	42.7	0.7
09:00 PM - 10:00 PM	43.6	44.4	n/a	-	42.3	-
10:00 PM - 10:45 PM	53.2	50.0	-	53.4	41.5	11.8
10:45 PM - 10:15 PM	47.4	47.4	50.3	41.6	41.6	13.7
10:15 PM - 10:15 PM	47.4	47.4	-	n/a	41.1	-
10:15 PM - 10:15 PM	42.2	42.2	-	n/a	41.5	-
10:15 PM - 10:15 PM	42.4	42.9	-	36.8	42.3	5.5
10:15 PM - 10:30 PM	42.5	42.7	n/a	-	42.2	-
10:30 PM - 10:45 PM	41.8	43.4	-	36.2	42.3	-6.1
10:35 PM - 10:45 PM	43.1	44.5	-	n/a	42.4	-
10:45 PM - 10:45 PM	43.4	43.4	37.8	42.6	42.6	-6.8
10:45 PM - 10:45 PM	41.8	42.5	-	n/a	42.6	-
10:50 PM - 10:55 PM	41.3	43.8	-	n/a	42.9	-
10:55 PM - 11:00 PM	42.7	44.1	-	n/a	43.4	-
11:00 PM - 11:05 PM	42.2	42.2	-	n/a	43.2	-
11:05 PM - 11:10 PM	44.4	43.8	-	38.5	43.0	-4.5
11:10 PM - 11:15 PM	45.9	44.5	-	n/a	43.6	-
11:15 PM - 11:20 PM	41.6	45.2	-	n/a	43.6	-
11:20 PM - 11:25 PM	42.0	45.2	-	n/a	44.6	-
11:25 PM - 11:30 PM	41.8	45.3	-	n/a	44.6	-
11:30 PM - 11:35 PM	42.9	45.1	-	n/a	44.6	-
11:35 PM - 11:40 PM	42.7	45.2	-	n/a	44.6	-
11:40 PM - 11:45 PM	60.4	66.9	-	n/a	31.5	-
11:45 PM - 11:50 PM	59.2	57.4	-	61.2	48.0	11.2
11:50 PM - 11:55 PM	53.1	53.3	-	n/a	47.7	-
11:55 PM - 12:00 AM	51.7	50.1	-	49.6	46.0	1.6
12:00 AM - 12:05 AM	46.6	50.9	-	n/a	49.2	-
12:05 AM - 12:10 AM	49.5	51.4	-	n/a	48.1	-
12:10 AM - 12:15 AM	47.0	47.0	-	n/a	47.6	-
12:15 AM - 12:20 AM	46.8	47.9	-	n/a	47.0	-
12:20 AM - 12:25 AM	53.5	65.4	-	n/a	47.1	-
12:25 AM - 12:30 AM	64.4	52.9	-	60.0	47.0	17.7
12:30 AM - 12:35 AM	46.2	48.6	-	n/a	46.3	-
12:35 AM - 12:40 AM	45.8	48.1	-	n/a	45.2	-
12:40 AM - 12:45 AM	49.2	46.0	-	n/a	43.1	-
12:45 AM - 12:50 AM	47.3	47.3	-	n/a	42.7	-

เวลา	เมืองจาก หมู่เกาะแก้ว	เมืองจาก โกลกเตปเปอร์	เมืองท่าเมืองนิการากัว		เมืองท่าเมือง กัวเตมา	ค่าตัวเงิน กัวเตมา
			ท่าเรือ			
			ท่าเรือ	ท่าเรือ		
12:50 AM - 12:55 AM	48.0	44.8	-	n/a	43.3	-
12:55 AM - 01:00 AM	45.7	45.4	-	36.9	43.7	-6.8
01:00 AM - 01:05 AM	41.8	44.2	-	n/a	43.2	-
01:05 AM - 01:10 AM	42.8	44.2	-	n/a	42.8	-
01:10 AM - 01:15 AM	41.8	43.1	-	38.5	41.7	-3.2
01:15 AM - 01:20 AM	42.7	42.5	-	22.2	41.5	-9.3
01:20 AM - 01:25 AM	42.0	43.2	-	33.7	41.8	-5.1
01:25 AM - 01:30 AM	42.3	44.8	-	n/a	42.1	-
01:30 AM - 01:35 AM	42.8	45.5	-	n/a	44.7	-
01:35 AM - 01:40 AM	42.1	45.7	-	n/a	44.6	-
01:40 AM - 01:45 AM	42.8	45.1	-	n/a	43.9	-
01:45 AM - 01:50 AM	43.3	45.5	-	n/a	44.7	-
01:50 AM - 01:55 AM	42.8	44.9	-	n/a	43.9	-
01:55 AM - 02:00 AM	42.4	45.8	-	n/a	44.5	-
02:00 AM - 02:05 AM	42.8	45.4	-	n/a	44.4	-
02:05 AM - 02:10 AM	42.7	45.1	-	n/a	44.2	-
02:10 AM - 02:15 AM	43.7	49.1	-	n/a	44.2	-
02:15 AM - 02:20 AM	54.3	50.0	-	55.3	45.2	10.1
02:20 AM - 02:25 AM	51.3	49.7	-	50.8	46.2	4.6
02:25 AM - 02:30 AM	51.3	46.1	-	52.7	44.6	8.1
02:30 AM - 02:35 AM	45.5	45.3	-	n/a	44.9	-
02:35 AM - 02:40 AM	44.2	46.3	-	n/a	45.3	-
02:40 AM - 02:45 AM	45.0	44.5	-	28.4	41.4	-3.0
02:45 AM - 02:50 AM	43.4	44.0	-	n/a	42.3	-
02:50 AM - 02:55 AM	43.8	45.2	-	n/a	42.1	-
02:55 AM - 03:00 AM	43.7	43.7	-	42.4	40.9	1.5
03:00 AM - 03:05 AM	43.2	41.5	-	41.3	40.8	0.5
03:05 AM - 03:10 AM	43.4	41.5	-	41.9	39.5	2.4
03:10 AM - 03:15 AM	43.3	41.7	-	41.2	40.8	0.4
03:15 AM - 03:20 AM	43.5	42.4	-	40.0	41.5	-1.5
03:20 AM - 03:25 AM	43.3	42.8	-	36.7	42.1	-5.4
03:25 AM - 03:30 AM	43.3	42.5	-	39.6	41.8	-3.2
03:30 AM - 03:35 AM	43.3	42.5	-	39.6	42.0	-2.4
03:35 AM - 03:40 AM	44.7	43.0	-	43.8	42.0	0.8
03:40 AM - 03:45 AM	46.8	43.0	-	47.5	42.7	3.3
03:45 AM - 03:50 AM	44.4	44.4	-	n/a	43.2	-
03:50 AM - 03:55 AM	45.4	45.4	-	n/a	44.2	-
03:55 AM - 04:00 AM	45.6	44.6	-	42.7	42.7	-
04:00 AM - 04:05 AM	45.1	43.9	-	42.4	42.4	-
04:05 AM - 04:10 AM	45.1	42.5	-	44.6	41.1	2.5

Approved by _____

Wilayan Borirak
Mahaewatana

Approved by

Wilawan Borirak
Manager

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Analysis / Test Report

Client : Rongna Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Itaihai Tow, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-03/66
Project Name : Laemchabang
Project Location :
Sample No. : 24110375-23
Parameter : เสียงรบกวน
Location : สนามบินดอนเมือง ทิศ 5 (GPS 47P 0714290, 1441190)
Measurement Date : Oct 28 - 29, 2024
Measurement by : Santi Chakhana
Sound Level Meter : 00233183

Lot ID: 24110375
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163503-1

Page 3 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	เสียงรบกวน (dB(A))		เสียงรบกวน	ค่ารวม
			ทิศทาง	ทิศทาง		
04:10 AM - 04:15 AM	45.1	42.4	-	44.8	41.6	3.2
04:15 AM - 04:20 AM	46.3	42.2	-	47.2	40.1	7.1
04:20 AM - 04:25 AM	44.5	41.6	-	44.4	40.4	4.0
04:25 AM - 04:30 AM	44.7	41.1	-	45.2	40.2	5.0
04:30 AM - 04:35 AM	47.2	43.4	-	47.0	40.0	7.9
04:35 AM - 04:40 AM	43.7	40.4	-	44.0	39.2	4.8
04:40 AM - 04:45 AM	43.2	40.3	-	43.1	39.3	3.8
04:45 AM - 04:50 AM	43.7	40.7	-	43.7	39.6	4.1
04:50 AM - 04:55 AM	43.9	41.0	-	42.4	40.1	3.3
04:55 AM - 05:00 AM	43.5	40.7	-	43.3	40.1	3.2
05:00 AM - 05:05 AM	43.9	41.1	-	43.7	40.2	3.5
05:05 AM - 05:10 AM	44.3	41.6	-	44.7	39.1	5.6
05:10 AM - 05:15 AM	44.3	41.4	-	44.2	39.9	4.3
05:15 AM - 05:20 AM	44.8	41.4	-	45.1	40.6	4.5
05:20 AM - 05:25 AM	44.8	41.8	-	44.8	41.0	3.8
05:25 AM - 05:30 AM	44.4	41.3	-	44.5	40.1	4.4
05:30 AM - 05:35 AM	44.8	41.3	-	45.2	40.1	5.1
05:35 AM - 05:40 AM	44.2	40.2	-	45.0	39.0	6.0
05:40 AM - 05:45 AM	44.4	40.4	-	45.2	39.2	6.0
05:45 AM - 05:50 AM	45.2	40.5	-	46.4	39.1	7.3
05:50 AM - 05:55 AM	46.2	45.0	-	43.0	39.4	3.6
05:55 AM - 06:00 AM	47.1	47.5	-	39.5	-	-
06:00 AM - 07:00 AM	48.8	49.6	35.3	0.0	31.3	-4.0
07:00 AM - 08:00 AM	51.7	49.0	48.4	-	41.2	7.2
08:00 AM - 09:00 AM	52.8	50.2	49.3	-	42.7	6.6
09:00 AM - 10:00 AM	54.7	52.8	54.6	-	48.0	6.2
10:00 AM - 11:00 AM	55.1	53.6	49.8	-	47.1	2.7
11:00 AM - 12:00 PM	55.8	54.7	49.3	-	48.6	0.7
12:00 PM - 01:00 PM	53.2	51.4	43.5	-	48.0	1.5
01:00 PM - 02:00 PM	50.2	51.4	40.9	-	42.1	-
02:00 PM - 03:00 PM	49.1	51.7	40.9	-	42.3	-
03:00 PM - 04:00 PM	48.3	49.9	40.9	-	41.9	-

Reference Method :

- ISO 1996-1
- เป็นค่าการวัดเสียงรบกวนที่วัดได้ ณ สถานที่วัดเสียงรบกวนตามเงื่อนไขของมาตรฐาน 24 ชั่วโมง และค่าการวัดเสียงรบกวนที่วัดได้ ณ สถานที่วัดเสียงรบกวนตามเงื่อนไขของมาตรฐาน 24 ชั่วโมง
- เป็นค่าการวัดเสียงรบกวนที่วัดได้ ณ สถานที่วัดเสียงรบกวนตามเงื่อนไขของมาตรฐาน 24 ชั่วโมง และค่าการวัดเสียงรบกวนที่วัดได้ ณ สถานที่วัดเสียงรบกวนตามเงื่อนไขของมาตรฐาน 24 ชั่วโมง
- เป็นค่าการวัดเสียงรบกวนที่วัดได้ ณ สถานที่วัดเสียงรบกวนตามเงื่อนไขของมาตรฐาน 24 ชั่วโมง และค่าการวัดเสียงรบกวนที่วัดได้ ณ สถานที่วัดเสียงรบกวนตามเงื่อนไขของมาตรฐาน 24 ชั่วโมง

Remark:

- ผลการวัดเสียงรบกวนที่วัดได้ ณ สถานที่วัดเสียงรบกวนตามเงื่อนไขของมาตรฐาน 24 ชั่วโมง และค่าการวัดเสียงรบกวนที่วัดได้ ณ สถานที่วัดเสียงรบกวนตามเงื่อนไขของมาตรฐาน 24 ชั่วโมง
- ผลการวัดเสียงรบกวนที่วัดได้ ณ สถานที่วัดเสียงรบกวนตามเงื่อนไขของมาตรฐาน 24 ชั่วโมง และค่าการวัดเสียงรบกวนที่วัดได้ ณ สถานที่วัดเสียงรบกวนตามเงื่อนไขของมาตรฐาน 24 ชั่วโมง
- ผลการวัดเสียงรบกวนที่วัดได้ ณ สถานที่วัดเสียงรบกวนตามเงื่อนไขของมาตรฐาน 24 ชั่วโมง และค่าการวัดเสียงรบกวนที่วัดได้ ณ สถานที่วัดเสียงรบกวนตามเงื่อนไขของมาตรฐาน 24 ชั่วโมง

Approved by : Wilawan Borrak Manager

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Analysis / Test Report

Client : Rongna Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Itaihai Tow, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-03/66
Project Name : Laemchabang
Project Location :
Sample No. : 24110375-24
Parameter : เสียงรบกวน
Location : สนามบินดอนเมือง ทิศ 5 (GPS 47P 0714290, 1441190)
Measurement Date : Oct 28 - 29, 2024
Measurement by : Santi Chakhana
Sound Level Meter : 00233183

Lot ID: 24110375
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163503-1

Page 2 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	เสียงรบกวน (dB(A))		เสียงรบกวน	ค่ารวม
			ทิศทาง	ทิศทาง		
12:50 AM - 12:55 AM	43.4	41.4	-	42.1	40.8	1.3
12:55 AM - 01:00 AM	43.1	41.9	-	39.9	41.2	-1.3
01:00 AM - 01:05 AM	44.5	42.7	-	42.8	41.5	1.3
01:05 AM - 01:10 AM	45.0	42.8	-	44.3	41.5	2.8
01:10 AM - 01:15 AM	44.2	42.2	-	42.9	41.3	1.6
01:15 AM - 01:20 AM	43.3	41.7	-	41.2	41.3	0.2
01:20 AM - 01:25 AM	43.6	42.1	-	41.3	41.3	0.0
01:25 AM - 01:30 AM	43.2	42.1	-	39.7	41.3	-1.6
01:30 AM - 01:35 AM	43.1	42.1	-	37.8	41.0	-3.2
01:35 AM - 01:40 AM	44.4	42.4	-	41.1	41.1	2.0
01:40 AM - 01:45 AM	43.0	42.0	-	39.1	41.4	-2.3
01:45 AM - 01:50 AM	43.1	41.9	-	39.9	41.1	-1.2
01:50 AM - 01:55 AM	42.8	41.3	-	40.5	39.7	0.8
01:55 AM - 02:00 AM	42.4	41.6	-	37.7	41.0	-3.3
02:00 AM - 02:05 AM	42.2	41.5	-	36.9	40.9	-4.0
02:05 AM - 02:10 AM	42.4	41.4	-	36.2	40.6	-2.1
02:10 AM - 02:15 AM	41.7	41.0	-	36.4	40.4	-4.0
02:15 AM - 02:20 AM	42.2	41.2	-	38.3	40.5	-2.2
02:20 AM - 02:25 AM	42.7	40.9	-	41.0	40.1	0.9
02:25 AM - 02:30 AM	42.8	41.2	-	40.2	40.4	0.3
02:30 AM - 02:35 AM	43.1	40.4	-	40.8	39.0	3.8
02:35 AM - 02:40 AM	41.6	39.6	-	38.3	38.6	1.7
02:40 AM - 02:45 AM	41.1	39.1	-	35.5	39.7	-4.2
02:45 AM - 02:50 AM	42.9	42.2	-	37.6	41.4	-3.4
02:50 AM - 02:55 AM	43.6	41.3	-	34.8	41.7	-4.9
02:55 AM - 03:00 AM	43.2	41.6	-	37.2	41.8	-4.5
03:00 AM - 03:05 AM	42.9	40.9	-	38.4	39.9	-1.3
03:05 AM - 03:10 AM	42.0	40.7	-	39.1	39.5	-0.4
03:10 AM - 03:15 AM	42.3	41.0	-	39.4	39.6	-0.2
03:15 AM - 03:20 AM	42.9	41.2	-	41.2	40.4	0.6
03:20 AM - 03:25 AM	44.7	41.3	-	45.0	40.5	4.5
03:25 AM - 03:30 AM	43.0	41.7	-	40.1	40.5	-0.5
03:30 AM - 03:35 AM	42.8	41.8	-	39.4	40.6	-1.2
03:35 AM - 03:40 AM	42.8	41.4	-	40.6	40.6	-0.4
03:40 AM - 03:45 AM	42.2	41.1	-	38.7	40.5	-1.8
03:45 AM - 03:50 AM	41.8	41.2	-	35.9	40.5	-4.6
03:50 AM - 03:55 AM	42.9	41.7	-	39.7	40.4	-0.7
03:55 AM - 04:00 AM	42.2	40.5	-	40.3	39.1	1.2
04:00 AM - 04:05 AM	40.8	40.9	-	41.3	39.5	1.8
04:05 AM - 04:10 AM	43.2	41.3	-	41.3	40.4	1.3

Reference Method :

- ISO 1996-1
- เป็นค่าการวัดเสียงรบกวนที่วัดได้ ณ สถานที่วัดเสียงรบกวนตามเงื่อนไขของมาตรฐาน 24 ชั่วโมง และค่าการวัดเสียงรบกวนที่วัดได้ ณ สถานที่วัดเสียงรบกวนตามเงื่อนไขของมาตรฐาน 24 ชั่วโมง
- เป็นค่าการวัดเสียงรบกวนที่วัดได้ ณ สถานที่วัดเสียงรบกวนตามเงื่อนไขของมาตรฐาน 24 ชั่วโมง และค่าการวัดเสียงรบกวนที่วัดได้ ณ สถานที่วัดเสียงรบกวนตามเงื่อนไขของมาตรฐาน 24 ชั่วโมง
- เป็นค่าการวัดเสียงรบกวนที่วัดได้ ณ สถานที่วัดเสียงรบกวนตามเงื่อนไขของมาตรฐาน 24 ชั่วโมง และค่าการวัดเสียงรบกวนที่วัดได้ ณ สถานที่วัดเสียงรบกวนตามเงื่อนไขของมาตรฐาน 24 ชั่วโมง

Remark:

- ผลการวัดเสียงรบกวนที่วัดได้ ณ สถานที่วัดเสียงรบกวนตามเงื่อนไขของมาตรฐาน 24 ชั่วโมง และค่าการวัดเสียงรบกวนที่วัดได้ ณ สถานที่วัดเสียงรบกวนตามเงื่อนไขของมาตรฐาน 24 ชั่วโมง
- ผลการวัดเสียงรบกวนที่วัดได้ ณ สถานที่วัดเสียงรบกวนตามเงื่อนไขของมาตรฐาน 24 ชั่วโมง และค่าการวัดเสียงรบกวนที่วัดได้ ณ สถานที่วัดเสียงรบกวนตามเงื่อนไขของมาตรฐาน 24 ชั่วโมง
- ผลการวัดเสียงรบกวนที่วัดได้ ณ สถานที่วัดเสียงรบกวนตามเงื่อนไขของมาตรฐาน 24 ชั่วโมง และค่าการวัดเสียงรบกวนที่วัดได้ ณ สถานที่วัดเสียงรบกวนตามเงื่อนไขของมาตรฐาน 24 ชั่วโมง

Approved by : Wilawan Borrak Manager

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Analysis / Test Report

Client : Rongna Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Itaihai Tow, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-03/66
Project Name : Laemchabang
Project Location :
Sample No. : 24110375-24
Parameter : เสียงรบกวน
Location : สนามบินดอนเมือง ทิศ 5 (GPS 47P 0714290, 1441190)
Measurement Date : Oct 28 - 29, 2024
Measurement by : Santi Chakhana
Sound Level Meter : 00233183

Lot ID: 24110375
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163503-1

Page 1 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	เสียงรบกวน (dB(A))		เสียงรบกวน	ค่ารวม
			ทิศทาง	ทิศทาง		
04:10 AM - 04:15 AM	52.2	53.8	n/a	-	42.7	-
04:15 AM - 04:20 AM	58.4	55.6	-	-	41.3	13.9
04:20 AM - 04:25 AM	47.6	48.2	n/a	-	50.3	-
04:25 AM - 04:30 AM	52.2	55.8	n/a	-	49.3	-
04:30 AM - 04:35 AM	47.3	48.9	-	-	41.8	-0.4
04:35 AM - 04:40 AM	46.3	49.9	n/a	-	43.4	-
04:40 AM - 04:45 AM	45.7	47.5	-	-	40.7	-
04:45 AM - 04:50 AM	52.2	55.9	-	-	40.4	-
04:50 AM - 04:55 AM	44.0	42.2	-	-	40.3	1.4
04:55 AM - 05:00 AM	43.5	42.8	-	-	40.7	-2.5
05:00 AM - 05:05 AM	57.2	63.0	-	-	56.8	-
05:05 AM - 05:10 AM	43.5	51.2	-	-	42.8	-
05:10 AM - 05:15 AM	57.2	63.0	-	-	56.8	-
05:15 AM - 05:20 AM	49.5	48.5	-	-	45.6	2.0
05:20 AM - 05:25 AM	43.5	44.1	-	-	43.5	-
05:25 AM - 05:30 AM	43.7	44.4	-	-	43.5	-
05:30 AM - 05:35 AM	43.6	45.4	-	-	44.7	-
05:35 AM - 05:40 AM	43.8	45.6	-	-	44.9	-
05:40 AM - 05:45 AM	43.8	45.3	-	-	43.8	-
05:45 AM - 05:50 PM	43.8	45.5	-	-	44.8	-
05:50 PM - 11:00 PM	42.0	45.3	-	-	44.6	-
11:10 PM - 11:15 PM	43.6	45.7	-	-	44.9	-
11:15 PM - 11:20 PM	43.3	45.4	-	-	44.6	-
11:20 PM - 11:25 PM	43.5	41.8	-	-	40.6	1.0
11:25 PM - 11:30 PM	43.3	41.8	-	-	40.4	1.4
11:30 PM - 11:35 PM	42.9	41.4	-	-	42.2	-12.7
11:35 PM - 11:40 PM	42.1	41.9	-	-	42.5	-
11:40 PM - 11:45 PM	42.9	41.8	-	-	44.0	-
11:45 PM - 11:50 PM	44.0	45.1	-	-	44.3	-
11:50 PM - 11:55 PM	44.1	44.9	-	-	44.2	-
11:55 PM - 12:00 AM	43.4	44.9	-	-	43.9	-
12:00 AM - 12:05 AM	43.2	44.6	-	-	44.0	-
12:05 AM - 12:10 AM	42.8	44.6	-	-	43.9	-
12:10 AM - 12:15 AM	42.6	44.3	-	-	43.9	-
12:15 AM - 12:20 AM	43.6	41.9	-	-	40.1	1.6
12:20 AM - 12:25 AM	45.2	42.3	-	-	40.1	5.0
12:25 AM - 12:30 AM	43.0	42.0	-	-	39.8	2.2
12:30 AM - 12:35 AM	44.3	41.7	-	-	40.8	-0.6
12:35 AM - 12:40 AM	43.9	43.0	-	-	40.2	-1.0
12:40 AM - 12:45 AM	43.1	41.8	-	-	41.2	-
12:45 AM - 12:50 AM	43.8	41.6	-	-	40.8	2.0

Reference Method :

- ISO 1996-1
- เป็นค่าการวัดเสียงรบกวนที่วัดได้ ณ สถานที่วัดเสียงรบกวนตามเงื่อนไขของมาตรฐาน 24 ชั่วโมง และค่าการวัดเสียงรบกวนที่วัดได้ ณ สถานที่วัดเสียงรบกวนตามเงื่อนไขของมาตรฐาน 24 ชั่วโมง
- เป็นค่าการวัดเสียงรบกวนที่วัดได้ ณ สถานที่วัดเสียงรบกวนตามเงื่อนไขของมาตรฐาน 24 ชั่วโมง และค่าการวัดเสียงรบกวนที่วัดได้ ณ สถานที่วัดเสียงรบกวนตามเงื่อนไขของมาตรฐาน 24 ชั่วโมง
- เป็นค่าการวัดเสียงรบกวนที่วัดได้ ณ สถานที่วัดเสียงรบกวนตามเงื่อนไขของมาตรฐาน 24 ชั่วโมง และค่าการวัดเสียงรบกวนที่วัดได้ ณ สถานที่วัดเสียงรบกวนตามเงื่อนไขของมาตรฐาน 24 ชั่วโมง

Remark:

- ผลการวัดเสียงรบกวนที่วัดได้ ณ สถานที่วัดเสียงรบกวนตามเงื่อนไขของมาตรฐาน 24 ชั่วโมง และค่าการวัดเสียงรบกวนที่วัดได้ ณ สถานที่วัดเสียงรบกวนตามเงื่อนไขของมาตรฐาน 24 ชั่วโมง
- ผลการวัดเสียงรบกวนที่วัดได้ ณ สถานที่วัดเสียงรบกวนตามเงื่อนไขของมาตรฐาน 24 ชั่วโมง และค่าการวัดเสียงรบกวนที่วัดได้ ณ สถานที่วัดเสียงรบกวนตามเงื่อนไขของมาตรฐาน 24 ชั่วโมง
- ผลการวัดเสียงรบกวนที่วัดได้ ณ สถานที่วัดเสียงรบกวนตามเงื่อนไขของมาตรฐาน 24 ชั่วโมง และค่าการวัดเสียงรบกวนที่วัดได้ ณ สถานที่วัดเสียงรบกวนตามเงื่อนไขของมาตรฐาน 24 ชั่วโมง

Approved by : Wilawan Borrak Manager

APR 05/16/10 Moo 5 T. Meenam Khua A. Phukdang Rayong 21140 Thailand. Phone: +66 0 3304 8555 Fax: +66 0 3304 8556

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RIGHT SOLUTIONS RIGHT PARTNER

Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl., Ittaihai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-032/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110375
Date Received :Nov 06, 2024
Date Reported :Nov 15, 2024
Report Number : 3163504-1

Page 1 of 3

Sample No.	24110375-25
Parameter	เสียงรบกวน
Location	N4 : ศูนย์ผ่านรถบรรทุกบีเอ็ม จดที่ 5 (GPS 47P 0714290, 1441190)
Measurement Date	Oct 29 - 30, 2024
Measurement by	Santi Chalkhana
Sound Level Meter	00233183

เวลา	เมืองจาก แม่ฮ่องสอน	เมืองจาก อุทัยธานี	เมืองจากโครงการทหาร		เมืองที่บูรณา	ค่าปรับ การบกพร่อง
			กลางคืน	กลางวัน		
04:00 PM - 05:00 PM	50.9	56.2	n/a	-	53.7	-
05:00 PM - 06:00 PM	47.4	58.0	n/a	-	38.5	-
06:00 PM - 07:00 PM	42.5	42.6	n/a	-	40.0	-
07:00 PM - 08:00 PM	44.6	44.4	31.1	-	42.4	-11.3
08:00 PM - 09:00 PM	46.4	46.4	n/a	-	41.9	-
09:00 PM - 10:00 PM	45.5	55.8	n/a	-	47.2	-
10:00 PM - 10:05 PM	42.0	42.7	n/a	-	42.2	-
10:05 PM - 10:10 PM	54.7	55.7	-	n/a	41.5	-
11:10 PM - 11:15 PM	49.0	47.8	-	42.6	41.1	6.5
10:15 PM - 10:20 PM	45.5	40.9	-	n/a	41.3	-
10:20 PM - 10:25 PM	46.3	43.7	-	40.6	41.2	4.4
10:25 PM - 10:30 PM	42.2	42.8	-	n/a	41.6	-
10:30 PM - 10:35 PM	41.9	41.8	-	39.5	41.4	-12.9
10:35 PM - 10:40 PM	42.3	41.4	-	40.0	41.0	-3.0
10:40 PM - 10:45 PM	42.7	41.9	-	38.0	41.1	-3.1
10:45 PM - 10:50 PM	41.7	42.0	-	n/a	40.9	-
10:50 PM - 10:55 PM	41.4	41.8	-	n/a	41.1	-
10:55 PM - 11:00 PM	41.8	41.0	37.1	-	40.4	-3.3
11:00 PM - 11:05 PM	45.5	41.9	-	44.0	41.3	-2.7
11:05 PM - 11:10 PM	42.9	42.6	-	34.1	41.1	7.0
11:10 PM - 11:15 PM	41.3	42.0	-	n/a	40.8	-
11:15 PM - 11:20 PM	42.2	41.1	38.7	-	40.2	-1.5
11:20 PM - 11:25 PM	41.4	41.8	-	n/a	40.9	-
11:25 PM - 11:30 PM	41.2	41.6	-	n/a	40.7	-
11:30 PM - 11:35 PM	41.1	41.9	-	n/a	41.1	-
11:35 PM - 11:40 PM	41.9	40.9	38.0	-	40.3	-2.3
11:40 PM - 11:45 PM	40.7	42.2	-	n/a	40.8	-
11:45 PM - 11:50 PM	40.0	41.2	-	n/a	40.1	-
11:50 PM - 11:55 PM	46.3	41.6	47.4	-	40.8	6.6
11:55 PM - 12:00 AM	53.8	54.7	-	n/a	40.6	-
12:00 AM - 12:05 AM	41.1	41.4	-	n/a	40.8	-
12:05 AM - 12:10 AM	41.1	41.1	-	n/a	40.4	-
12:10 AM - 12:15 AM	41.0	41.0	-	58.0	40.2	12.8
12:15 AM - 12:20 AM	43.3	50.6	-	n/a	40.2	-
12:20 AM - 12:25 AM	40.0	41.4	-	40.9	40.1	-0.8
12:25 AM - 12:30 AM	41.3	40.8	23.6	-	40.4	-4.2
12:30 AM - 12:35 AM	41.8	41.0	-	37.1	40.0	-2.9
12:35 AM - 12:40 AM	42.4	41.7	-	37.3	40.7	-3.6
12:40 AM - 12:45 AM	40.1	41.8	-	33.1	40.6	-2.3
12:45 AM - 12:50 AM	40.9	40.9	-	30.4	40.4	5.0

Approved by _____

Wilawan Bor
Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Phakdaeng Rayong 21140 Thailand TEL: +66 0 3304 8555 FAX: +66 0 3304 8556



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110375
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163504-1

Page 2 of 3

Sample No.	24110375-25
Parameter	เสียงรบกวน
Location	N4 : ข้ามบริเวณถนนสุขุมวิท เจดีย์ 5 (GPS 47P 0714290, 1441190)
Measurement Date	Oct 29 - 30, 2024
Measurement by	Sanu Chaichana
Sound Level Meter	00233183

เวลา	เสียงจาก แหล่งกำเนิด	เสียงจาก โถงใต้กระดาน	ระดับเสียง (dB(A))		เสียงรบกวน	ค่าเฉลี่ย
			ภายใน	ภายนอก		
12:50 AM - 12:55 AM	41.0	41.3	-	n/a	40.1	-
12:55 AM - 01:00 AM	42.8	41.0	-	n/a	29.3	1.8
01:00 AM - 01:05 AM	41.6	42.1	-	n/a	46.5	-
01:05 AM - 01:10 AM	41.6	-	35.7	33.1	41.1	-4.4
01:10 AM - 01:15 AM	41.3	41.0	-	32.5	41.1	-2.6
01:15 AM - 01:20 AM	42.2	41.8	-	34.6	41.0	-6.4
01:20 AM - 01:25 AM	40.9	40.0	-	n/a	39.8	-
01:25 AM - 01:30 AM	41.6	41.0	-	35.7	40.3	-4.6
01:30 AM - 01:35 AM	42.1	41.0	-	28.7	41.1	-27.4
01:35 AM - 01:40 AM	41.2	41.4	-	n/a	40.3	-
01:40 AM - 01:45 AM	40.7	40.5	-	41.1	40.4	1.1
01:45 AM - 01:50 AM	41.9	41.6	-	32.5	40.7	-2.6
01:50 AM - 01:55 AM	43.7	41.7	-	42.4	40.0	2.5
01:55 AM - 02:00 AM	41.6	41.4	-	31.1	39.9	-4.6
02:00 AM - 02:05 AM	41.9	42.0	-	40.2	-	-
02:05 AM - 02:10 AM	41.5	40.4	-	38.0	39.3	-1.3
02:10 AM - 02:15 AM	42.0	40.3	-	40.3	39.7	6.4
02:15 AM - 02:20 AM	42.6	42.8	-	41.6	39.7	3.7
02:20 AM - 02:25 AM	41.5	40.7	-	41.6	38.2	3.5
02:25 AM - 02:30 AM	43.6	41.2	-	42.9	39.4	3.5
02:30 AM - 02:35 AM	41.9	39.9	-	40.6	38.5	1.7
02:35 AM - 02:40 AM	41.8	39.7	-	40.6	38.7	1.9
02:40 AM - 02:45 AM	43.1	39.8	-	48.1	38.0	6.1
02:45 AM - 02:50 AM	42.8	40.2	-	42.3	39.1	3.2
02:50 AM - 02:55 AM	43.1	41.1	-	43.4	39.0	4.4
02:55 AM - 03:00 AM	45.2	40.3	-	46.5	39.4	7.1
03:00 AM - 03:05 AM	49.4	41.3	-	51.7	39.4	11.9
03:05 AM - 03:10 AM	49.1	41.5	-	50.7	39.9	10.8
03:10 AM - 03:15 AM	49.5	43.2	-	51.3	39.5	11.8
03:15 AM - 03:20 AM	49.0	42.7	-	49.5	39.1	10.4
03:20 AM - 03:25 AM	48.8	44.1	-	55.0	34.2	11.8
03:25 AM - 03:30 AM	49.6	41.3	-	51.4	39.1	12.3
03:30 AM - 03:35 AM	48.8	52.5	-	n/a	51.6	-
03:35 AM - 03:40 AM	47.4	51.2	-	n/a	49.1	-
03:40 AM - 03:45 AM	48.8	50.4	-	n/a	46.1	-
03:45 AM - 03:50 AM	45.1	52.3	-	n/a	42.1	-
03:50 AM - 03:55 AM	47.2	52.9	-	n/a	43.1	-
03:55 AM - 04:00 AM	51.7	54.0	-	n/a	48.7	-
04:00 AM - 04:05 AM	52.7	56.2	-	n/a	54.2	-
04:05 AM - 04:10 AM	52.5	56.0	-	n/a	54.7	-

Approved by _____

Willavan Bo
Manager

AGPINS 616/10 Moo 5 T. Maenam Kh. A. Phukdaeng Rayong 21140 Thailand Phone +66 0 3304 8555 Fax +66 0 3304 8556
ALSO REPRESENTS CRONIT (THAILAND) LTD. an AIS limited company



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310

P/O : RJN-LCB-033/66

Project Name : Laemchabang

Project Location :

Lot ID: 24110375
Date Received :Nov 06, 2024
Date Reported :Nov 15, 2024
Report Number : 3163504-1

Page 3 of 3

Sample No.	24110375-25
Parameter	เค็ม/กรวดขาว
Location	HA : ศูนย์นาบวชรัตนคุณเค็ม ซ.กท 5 (GPS 47P 0714290, 1441190)
Measurement Date	Oct 29 - 30, 2024
Measurement by	Sani Chaichana
Sound Level Meter	00233183

วันที่	รถเดินเดี่ยว (DB(A))					ค่าตัวรถ การบริการ
	เดินจาก แยกต่างไป	เดินจาก ไปวัดถนน	เปลี่ยนรถที่วัดถนน		เดินที่วัดถนน	
			ค่าตัวรถ	ค่าตัวรถ		
04:10 AM - 04:15 AM	50.6	55.0	-	n/a	52.2	-
04:15 AM - 04:20 AM	54.3	55.0	-	n/a	53.9	-
04:20 AM - 04:25 AM	52.1	56.2	-	n/a	54.6	-
04:25 AM - 04:30 AM	49.6	53.9	-	n/a	51.3	-
04:30 AM - 04:35 AM	47.6	51.0	-	n/a	48.1	-
04:35 AM - 04:40 AM	46.8	48.3	-	n/a	45.4	-
04:40 AM - 04:45 AM	47.7	50.4	-	n/a	47.8	-
04:45 AM - 04:50 AM	45.6	49.6	-	n/a	46.0	-
04:50 AM - 04:55 AM	47.7	47.6	-	45.2	44.8	0.4
04:55 AM - 05:00 AM	46.3	49.0	-	n/a	46.4	-
05:00 AM - 05:05 AM	47.5	51.2	-	n/a	46.7	-
05:05 AM - 05:10 AM	53.4	52.0	-	50.8	47.2	2.6
05:10 AM - 05:15 AM	53.8	56.2	-	n/a	54.9	-
05:15 AM - 05:20 AM	56.0	-	-	n/a	54.1	-
05:20 AM - 05:25 AM	57.9	60.3	-	n/a	59.1	-
05:25 AM - 05:30 AM	55.8	51.9	-	n/a	52.4	-
05:30 AM - 05:35 AM	57.9	43.1	-	60.7	40.6	20.1
05:35 AM - 05:40 AM	57.4	42.2	-	60.3	40.3	20.0
05:40 AM - 05:45 AM	55.5	45.3	-	56.1	40.6	22.7
05:45 AM - 05:50 AM	52.7	43.2	-	53.3	40.3	13.0
05:50 AM - 05:55 AM	51.0	45.2	-	52.7	40.8	11.9
05:55 AM - 06:00 AM	50.3	45.7	-	51.5	40.5	11.0
06:00 AM - 07:00 AM	51.4	42.9	-	46.1	37.8	-
07:00 AM - 08:00 AM	50.8	51.0	n/a	-	43.6	-
08:00 AM - 09:00 AM	51.8	51.8	n/a	-	41.8	-
09:00 AM - 10:00 AM	50.5	50.9	n/a	-	45.9	-
10:00 AM - 11:00 AM	51.8	45.1	n/a	-	43.8	-0.7
11:00 AM - 12:00 PM	52.5	50.7	40.8	-	45.4	2.4
12:00 PM - 01:00 PM	52.9	48.5	50.9	-	41.1	5.8
01:00 PM - 02:00 PM	47.9	56.5	n/a	-	45.6	-
02:00 PM - 03:00 PM	47.6	50.9	47.7	-	43.6	4.1
03:00 PM - 04:00 PM	52.8	49.4	n/a	-	42.9	-

Reference Method

1. ISO 1996-1

[illegible]

1. เปรียบเทียบจำนวนผลกักตุน หากลดการกักตุน 1 ชุด 29-30 ตุลาคม 2567

Approved by _____

Wilawan Boon

ADDRESS 616/10 Moo 5, T. Saeenam Khu A, Phuekdeang Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110375
Date Received :Nov 06, 2024
Date Reported :Nov 15, 2024
Report Number : 3163505-1

Page 1 of 2

Sample No.	24110375-26
Parameter	เสียงรบกวน
Location	N4 : จุดรับฟังรถดับเพลิง รถไฟ 5 (GPS 479 0714290, 1441190)
Measurement Date	Oct 30 - 31, 2024
Measurement by	Santi Chaichana
Sound Level Meter	00233183

เวลา	เสียงจากแหล่งกำเนิด	ระดับเสียง (dB(A))				เสียงรบกวน	ค่าเฉลี่ย
		โถงเก็บรวบรวม	เสียงจากอาคารขนาน		เสียงจากอาคารอื่น		
04:00 PM - 05:00 PM	47.3	49.6	n/a	-	42.7	-	
05:00 PM - 06:00 PM	46.1	49.6	n/a	-	41.8	-	
06:00 PM - 07:00 PM	46.2	49.1	n/a	-	43.1	-	
07:00 PM - 08:00 PM	47.4	49.3	n/a	-	45.9	-	
08:00 PM - 09:00 PM	45.5	46.5	40.6	-	47.9	-3.3	
09:00 PM - 10:00 PM	49.2	49.5	45.9	-	44.3	-1.3	
10:00 PM - 10:30 PM	44.4	43.2	-	41.2	42.8	-1.6	
10:30 PM - 10:40 PM	43.6	49.6	-	n/a	42.3	-	
10:40 PM - 10:45 PM	47.2	44.4	-	42.0	42.3	4.3	
10:45 PM - 10:50 PM	47.0	44.1	-	41.5	40.9	-	
10:50 PM - 10:55 PM	45.6	43.9	-	43.7	43.4	0.3	
10:55 PM - 10:58 PM	43.8	44.6	-	n/a	43.5	-	
10:58 PM - 10:59 PM	43.4	45.7	-	n/a	43.6	-	
10:59 PM - 11:00 PM	43.1	44.2	-	n/a	43.8	-	
11:00 PM - 11:05 PM	43.4	44.7	-	n/a	43.8	-	
11:05 PM - 11:30 PM	43.1	45.0	-	n/a	44.1	-	
11:30 PM - 11:55 PM	42.8	45.3	-	n/a	44.6	-	
11:55 PM - 11:58 PM	43.5	45.0	-	n/a	44.4	-	
11:58 PM - 11:59 PM	42.9	45.0	-	n/a	44.2	-	
11:59 PM - 12:00 AM	43.0	45.7	-	n/a	44.8	-	
12:00 AM - 12:05 PM	42.3	45.4	-	n/a	45.8	-	
12:05 PM - 12:15 PM	41.7	46.4	-	n/a	45.8	-	
12:15 PM - 12:25 PM	41.8	46.5	-	n/a	45.8	-	
12:25 PM - 12:30 PM	42.6	46.3	-	n/a	46.1	-	
12:30 PM - 12:35 PM	42.4	46.4	-	n/a	45.7	-	
12:35 PM - 12:40 PM	42.7	46.1	-	n/a	44.9	-	
12:40 PM - 12:45 PM	43.4	53.6	-	n/a	49.2	-	
12:45 PM - 12:50 PM	43.3	34.5	-	n/a	44.3	-	
12:50 PM - 12:55 PM	43.4	52.3	-	n/a	49.2	-	
12:55 PM - 12:58 AM	43.7	52.1	-	n/a	49.4	-	
12:58 AM - 12:59 AM	43.6	52.6	-	n/a	49.3	-	
12:59 AM - 1:00 AM	44.4	52.8	-	n/a	49.8	-	
1:00 AM - 1:15 AM	42.5	60.8	-	n/a	49.3	-	
1:15 AM - 1:20 AM	42.6	66.6	-	n/a	62.3	-	
1:20 AM - 1:25 AM	42.9	54.1	-	n/a	48.0	-	
1:25 AM - 1:30 AM	47.1	57.8	-	n/a	49.4	-	
1:30 AM - 1:35 AM	40.8	49.3	-	n/a	46.4	-	
1:35 AM - 1:40 AM	40.8	47.2	-	n/a	44.5	-	
1:40 AM - 1:45 AM	41.0	45.2	-	n/a	45.4	-	
1:45 AM - 1:50 AM	41.0	46.0	-	n/a	46.3	-	

Approved by _____

Manager

Address: 616/10 Moo 5 T. Maenam Khu A. Phukdang Rayong 21140 Thailand Tel: +66 0 3304 8555 Fax: +66 0 3304 8556



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110375
Date Received Nov 06, 2024
Date Reported Nov 15, 2024
Report Number : 3163505-1

Sample No. : 24110375-26
Parameter : เสียงรบกวน
Location : N4 : ตูมรพชาตพดลตมตม 5 (GPS 47P 0714290, 1441190)
Measurement Date : Oct 30 - 31, 2024
Measurement by : Santi Chuchana
Sound Level Meter : 00233183

Page 2 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	เสียงรบกวนการจราจร		เสียงรบกวน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
12:50 AM - 01:00 AM	56.1	46.6	-	58.6	44.9	33.7
01:00 AM - 01:05 AM	41.3	45.4	-	n/a	44.0	-
01:05 AM - 01:10 AM	42.1	46.6	-	n/a	42.9	-
01:10 AM - 01:15 AM	43.1	44.3	-	n/a	42.9	-
01:15 AM - 01:20 AM	40.7	43.7	-	n/a	42.7	-
01:20 AM - 01:25 AM	43.4	44.2	-	n/a	43.0	-
01:25 AM - 01:30 AM	49.5	46.0	-	49.9	43.3	6.6
01:30 AM - 01:35 AM	42.4	46.7	-	n/a	45.9	-
01:35 AM - 01:40 AM	41.6	46.9	-	n/a	45.8	-
01:40 AM - 01:45 AM	40.5	46.3	-	n/a	45.1	-
01:45 AM - 01:50 AM	40.9	46.7	-	n/a	45.9	-
01:50 AM - 01:55 AM	41.3	46.1	-	n/a	43.1	-
01:55 AM - 02:00 AM	56.8	47.0	-	59.3	45.7	13.6
02:00 AM - 02:05 AM	50.3	46.6	-	50.9	45.8	5.1
02:05 AM - 02:10 AM	40.1	46.3	-	n/a	45.4	-
02:10 AM - 02:15 AM	41.1	50.3	-	n/a	45.4	-
02:15 AM - 02:20 AM	43.6	51.2	-	n/a	45.4	-
02:20 AM - 02:25 AM	41.9	49.9	-	n/a	47.4	-
02:25 AM - 02:30 AM	59.9	47.3	-	n/a	47.7	16.9
02:30 AM - 02:35 AM	45.7	47.0	-	n/a	46.1	-
02:35 AM - 02:40 AM	40.9	47.5	-	n/a	46.5	-
02:40 AM - 02:45 AM	41.4	45.7	-	n/a	42.6	-
02:45 AM - 02:50 AM	41.5	45.5	-	n/a	41.5	-
02:50 AM - 02:55 AM	40.9	46.4	-	n/a	44.3	-
02:55 AM - 03:00 AM	40.9	45.9	-	n/a	42.1	-
03:00 AM - 03:05 AM	41.9	47.7	-	n/a	42.0	-
03:05 AM - 03:10 AM	40.6	47.7	-	n/a	40.7	-
03:10 AM - 03:15 AM	41.4	42.9	-	n/a	42.0	-
03:15 AM - 03:20 AM	41.2	43.6	-	38.3	42.7	-4.4
03:20 AM - 03:25 AM	42.7	43.0	-	n/a	41.3	-
03:25 AM - 03:30 AM	40.7	43.7	-	n/a	41.0	-
03:30 AM - 03:35 AM	40.6	43.7	-	n/a	43.7	-
03:35 AM - 03:40 AM	40.4	44.2	-	n/a	43.7	-
03:40 AM - 03:45 AM	41.3	44.2	-	n/a	43.4	-
03:45 AM - 03:50 AM	41.0	46.0	-	n/a	44.4	-
03:50 AM - 03:55 AM	40.1	46.6	-	n/a	45.4	-
03:55 AM - 04:00 AM	40.8	45.8	-	n/a	43.9	-
04:00 AM - 04:05 AM	43.1	45.1	-	n/a	43.6	-
04:05 AM - 04:10 AM	43.1	43.7	-	n/a	42.3	-
04:10 AM - 04:15 AM	41.1	43.6	-	n/a	42.8	-

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Life Sciences

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110375
Date Received Nov 06, 2024
Date Reported Nov 15, 2024
Report Number : 3163505-1

Sample No. : 24110375-27
Parameter : เสียงรบกวน
Location : N4 : ตูมรพชาตพดลตมตม 5 (GPS 47P 0714290, 1441190)
Measurement Date : Oct 31 - Nov 01, 2024
Measurement by : Santi Chuchana
Sound Level Meter : 00233183

Page 1 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	เสียงรบกวนการจราจร		เสียงรบกวน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
04:00 PM - 05:00 PM	53.9	53.0	n/a	-	43.9	-
05:00 PM - 06:00 PM	61.9	57.0	60.2	-	42.4	17.8
06:00 PM - 07:00 PM	45.9	50.1	n/a	-	45.5	-
07:00 PM - 08:00 PM	45.2	53.1	n/a	-	50.5	-
08:00 PM - 09:00 PM	45.9	46.9	n/a	-	43.2	-
09:00 PM - 10:00 PM	43.7	49.2	n/a	-	45.4	-
10:00 PM - 10:05 PM	43.4	52.1	n/a	41.6	41.6	-
10:05 PM - 10:10 PM	41.8	44.4	-	n/a	42.1	-
10:10 PM - 10:15 PM	41.1	44.0	-	n/a	41.9	-
10:15 PM - 10:20 PM	43.4	52.4	-	n/a	42.0	-
10:20 PM - 10:25 PM	40.8	46.2	-	n/a	58.0	-
10:25 PM - 10:30 PM	41.2	49.7	-	n/a	44.8	-
10:30 PM - 10:35 PM	42.6	45.3	-	n/a	44.7	-
10:35 PM - 10:40 PM	54.0	45.6	-	56.3	44.7	11.6
10:40 PM - 10:45 PM	42.6	46.4	-	n/a	45.9	-
10:45 PM - 10:50 PM	42.4	46.6	-	n/a	46.1	-
10:50 PM - 10:55 PM	41.8	46.5	-	n/a	45.0	-
10:55 PM - 11:00 PM	41.8	46.7	-	n/a	46.0	-
11:00 PM - 11:05 PM	41.4	46.5	-	n/a	45.8	-
11:05 PM - 11:10 PM	45.1	44.9	-	n/a	46.1	-
11:10 PM - 11:15 PM	43.2	45.8	-	n/a	45.8	-
11:15 PM - 11:20 PM	44.8	43.0	-	43.3	41.8	3.3
11:20 PM - 11:25 PM	44.4	42.6	-	n/a	41.6	-
11:25 PM - 11:30 PM	42.2	44.0	-	n/a	43.4	-
11:30 PM - 11:35 PM	42.1	45.1	-	n/a	43.7	-
11:35 PM - 11:40 PM	43.3	46.0	-	n/a	45.2	-
11:40 PM - 11:45 PM	42.4	45.3	-	n/a	45.5	-
11:45 PM - 11:50 PM	42.6	46.1	-	n/a	45.4	-
11:50 PM - 11:55 PM	42.8	46.1	-	n/a	45.1	-
11:55 PM - 12:00 AM	42.3	45.8	-	n/a	45.2	-
12:00 AM - 12:05 AM	42.2	45.8	-	n/a	45.1	-
12:05 AM - 12:10 AM	42.7	45.5	-	n/a	44.7	-
12:10 AM - 12:15 AM	42.2	43.1	-	n/a	41.3	-
12:15 AM - 12:20 AM	46.4	43.5	-	42.1	41.0	1.1
12:20 AM - 12:25 AM	43.8	42.9	-	n/a	41.7	-
12:25 AM - 12:30 AM	42.6	42.9	-	n/a	41.7	-
12:30 AM - 12:35 AM	41.7	44.2	-	n/a	41.7	-
12:35 AM - 12:40 AM	41.2	43.0	-	n/a	42.0	-
12:40 AM - 12:45 AM	41.8	43.8	-	n/a	42.0	-
12:45 AM - 12:50 AM	40.9	42.6	-	n/a	42.0	-

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
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Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110375
Date Received Nov 06, 2024
Date Reported Nov 15, 2024
Report Number : 3163505-1

Sample No. : 24110375-28
Parameter : เสียงรบกวน
Location : N4 : ตูมรพชาตพดลตมตม 5 (GPS 47P 0714290, 1441190)
Measurement Date : Oct 30 - 31, 2024
Measurement by : Santi Chuchana
Sound Level Meter : 00233183

Page 3 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	เสียงรบกวนการจราจร		เสียงรบกวน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
04:10 AM - 04:15 AM	41.5	43.4	-	n/a	41.3	-
04:15 AM - 04:20 AM	41.6	40.8	-	n/a	41.6	-
04:20 AM - 04:25 AM	42.1	42.1	-	n/a	41.4	-
04:25 AM - 04:30 AM	41.7	44.6	-	n/a	41.2	-
04:30 AM - 04:35 AM	40.9	41.6	-	n/a	40.4	-
04:35 AM - 04:40 AM	41.2	41.5	-	n/a	40.5	-
04:40 AM - 04:45 AM	45.0	41.9	-	n/a	45.1	4.3
04:45 AM - 04:50 AM	39.8	43.2	-	n/a	41.3	-
04:50 AM - 04:55 AM	40.5	41.9	-	n/a	41.3	-
04:55 AM - 05:00 AM	42.2	42.2	-	n/a	41.4	-
05:00 AM - 05:05 AM	41.0	42.0	-	n/a	40.3	-
05:05 AM - 05:10 AM	41.3	42.6	-	n/a	41.1	-
05:10 AM - 05:15 AM	51.5	42.6	-	53.9	41.8	12.1
05:15 AM - 05:20 AM	46.8	43.0	-	51.8	41.2	9.6
05:20 AM - 05:25 AM	43.0	42.5	-	36.4	41.3	-4.9
05:25 AM - 05:30 AM	40.4	42.5	-	n/a	41.3	-
05:30 AM - 05:35 AM	40.9	41.4	-	n/a	40.2	-
05:35 AM - 05:40 AM	41.6	41.6	-	n/a	40.4	-
05:40 AM - 05:45 AM	42.4	41.7	-	37.1	40.3	-3.2
05:45 AM - 05:50 AM	42.2	45.2	-	n/a	40.2	-
05:50 AM - 05:55 AM	44.6	46.7	-	n/a	39.7	-
05:55 AM - 06:00 AM	41.9	50.4	-	n/a	39.8	-
06:00 AM - 07:00 AM	46.6	49.5	n/a	-	40.5	-
07:00 AM - 08:00 AM	47.0	50.5	n/a	-	42.5	-
08:00 AM - 09:00 AM	48.6	52.0	n/a	-	46.0	-
09:00 AM - 10:00 AM	57.2	53.6	54.7	-	48.6	6.1
10:00 AM - 11:00 AM	56.4	53.2	n/a	-	49.1	-
11:00 AM - 12:00 PM	52.6	55.6	n/a	-	49.1	-
12:00 PM - 01:00 PM	46.3	51.4	n/a	-	43.1	-
01:00 PM - 02:00 PM	47.1	52.8	n/a	-	43.6	-
02:00 PM - 03:00 PM	48.7	52.8	n/a	-	41.6	-
03:00 PM - 04:00 PM	46.7	51.2	n/a	-	42.9	-

หมายเหตุ

Reference Method :

1. ISO 15661-1

2. ประกาศกระทรวงมหาดไทย เรื่อง วิธีการตรวจวัดเสียงรบกวนตาม มาตรฐานเสียงรบกวน 24 ชั่วโมง ประกาศในราชกิจจานุเบกษา เล่มที่ 126 ตอนที่ 106 ก 2567

หมายเหตุ

1. ประกาศกระทรวงมหาดไทย เรื่อง วิธีการตรวจวัดเสียงรบกวนตาม มาตรฐานเสียงรบกวน 24 ชั่วโมง ประกาศในราชกิจจานุเบกษา เล่มที่ 126 ตอนที่ 106 ก 2567

2. ประกาศกระทรวงมหาดไทย เรื่อง วิธีการตรวจวัดเสียงรบกวนตาม มาตรฐานเสียงรบกวน 24 ชั่วโมง ประกาศในราชกิจจานุเบกษา เล่มที่ 126 ตอนที่ 106 ก 2567

3. ประกาศกระทรวงมหาดไทย เรื่อง วิธีการตรวจวัดเสียงรบกวนตาม มาตรฐานเสียงรบกวน 24 ชั่วโมง ประกาศในราชกิจจานุเบกษา เล่มที่ 126 ตอนที่ 106 ก 2567

4. ประกาศกระทรวงมหาดไทย เรื่อง วิธีการตรวจวัดเสียงรบกวนตาม มาตรฐานเสียงรบกวน 24 ชั่วโมง ประกาศในราชกิจจานุเบกษา เล่มที่ 126 ตอนที่ 106 ก 2567

5. ประกาศกระทรวงมหาดไทย เรื่อง วิธีการตรวจวัดเสียงรบกวนตาม มาตรฐานเสียงรบกวน 24 ชั่วโมง ประกาศในราชกิจจานุเบกษา เล่มที่ 126 ตอนที่ 106 ก 2567

6. ประกาศกระทรวงมหาดไทย เรื่อง วิธีการตรวจวัดเสียงรบกวนตาม มาตรฐานเสียงรบกวน 24 ชั่วโมง ประกาศในราชกิจจานุเบกษา เล่มที่ 126 ตอนที่ 106 ก 2567

7. ประกาศกระทรวงมหาดไทย เรื่อง วิธีการตรวจวัดเสียงรบกวนตาม มาตรฐานเสียงรบกวน 24 ชั่วโมง ประกาศในราชกิจจานุเบกษา เล่มที่ 126 ตอนที่ 106 ก 2567

8. ประกาศกระทรวงมหาดไทย เรื่อง วิธีการตรวจวัดเสียงรบกวนตาม มาตรฐานเสียงรบกวน 24 ชั่วโมง ประกาศในราชกิจจานุเบกษา เล่มที่ 126 ตอนที่ 106 ก 2567

9. ประกาศกระทรวงมหาดไทย เรื่อง วิธีการตรวจวัดเสียงรบกวนตาม มาตรฐานเสียงรบกวน 24 ชั่วโมง ประกาศในราชกิจจานุเบกษา เล่มที่ 126 ตอนที่ 106 ก 2567

10. ประกาศกระทรวงมหาดไทย เรื่อง วิธีการตรวจวัดเสียงรบกวนตาม มาตรฐานเสียงรบกวน 24 ชั่วโมง ประกาศในราชกิจจานุเบกษา เล่มที่ 126 ตอนที่ 106 ก 2567

11. ประกาศกระทรวงมหาดไทย เรื่อง วิธีการตรวจวัดเสียงรบกวนตาม มาตรฐานเสียงรบกวน 24 ชั่วโมง ประกาศในราชกิจจานุเบกษา เล่มที่ 126 ตอนที่ 106 ก 2567

12. ประกาศกระทรวงมหาดไทย เรื่อง วิธีการตรวจวัดเสียงรบกวนตาม มาตรฐานเสียงรบกวน 24 ชั่วโมง ประกาศในราชกิจจานุเบกษา เล่มที่ 126 ตอนที่ 106 ก 2567

13. ประกาศกระทรวงมหาดไทย เรื่อง วิธีการตรวจวัดเสียงรบกวนตาม มาตรฐานเสียงรบกวน 24 ชั่วโมง ประกาศในราชกิจจานุเบกษา เล่มที่ 126 ตอนที่ 106 ก 2567

14. ประกาศกระทรวงมหาดไทย เรื่อง วิธีการตรวจวัดเสียงรบกวนตาม มาตรฐานเสียงรบกวน 24 ชั่วโมง ประกาศในราชกิจจานุเบกษา เล่มที่ 126 ตอนที่ 106 ก 2567

15. ประกาศกระทรวงมหาดไทย เรื่อง วิธีการตรวจวัดเสียงรบกวนตาม มาตรฐานเสียงรบกวน 24 ชั่วโมง ประกาศในราชกิจจานุเบกษา เล่มที่ 126 ตอนที่ 106 ก 2567

16. ประกาศกระทรวงมหาดไทย เรื่อง วิธีการตรวจวัดเสียงรบกวนตาม มาตรฐานเสียงรบกวน 24 ชั่วโมง ประกาศในราชกิจจานุเบกษา เล่มที่ 126 ตอนที่ 106 ก 2567

17. ประกาศกระทรวงมหาดไทย เรื่อง วิธีการตรวจวัดเสียงรบกวนตาม มาตรฐานเสียงรบกวน 24 ชั่วโมง ประกาศในราชกิจจานุเบกษา เล่มที่ 126 ตอนที่ 106 ก 2567

18. ประกาศกระทรวงมหาดไทย เรื่อง วิธีการตรวจวัดเสียงรบกวนตาม มาตรฐานเสียงรบกวน 24 ชั่วโมง ประกาศในราชกิจจานุเบกษา เล่มที่ 126 ตอนที่ 106 ก 2567

19. ประกาศกระทรวงมหาดไทย เรื่อง วิธีการตรวจวัดเสียงรบกวนตาม มาตรฐานเสียงรบกวน 24 ชั่วโมง ประกาศในราชกิจจานุเบกษา เล่มที่ 126 ตอนที่ 106 ก 2567

20. ประกาศกระทรวงมหาดไทย เรื่อง วิธีการตรวจวัดเสียงรบกวนตาม มาตรฐานเสียงรบกวน 24 ชั่วโมง ประกาศในราชกิจจานุเบกษา เล่มที่ 126 ตอนที่ 106 ก 2567

21. ประกาศกระทรวงมหาดไทย เรื่อง วิธีการตรวจวัดเสียงรบกวนตาม มาตรฐานเสียงรบกวน 24 ชั่วโมง ประกาศในราชกิจจานุเบกษา เล่มที่ 126 ตอนที่ 106 ก 2567

22. ประกาศกระทรวงมหาดไทย เรื่อง วิธีการตรวจวัดเสียงรบกวนตาม มาตรฐานเสียงรบกวน 24 ชั่วโมง ประกาศในราชกิจจานุเบกษา เล่มที่ 126 ตอนที่ 106 ก 2567

23. ประกาศกระทรวงมหาดไทย เรื่อง วิธีการตรวจวัดเสียงรบกวนตาม มาตรฐานเสียงรบกวน 2



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-03/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110375
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163506-1

Page 1 of 3

Sample No. : 24110375-27
Parameter : เลื่อนขน
Location : N4 : ขอบเขตที่ดินแปลงที่ 5 (GPS 47P 0714290, 1441190)
Measurement Date : Oct 31 - Nov 01, 2024
Measurement by : Sami Chaichana
Sound Level Meter : 00233183

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขนถ่าย	ระดับเสียง (dB(A))		เสียงที่ตรวจพบ	ค่าเฉลี่ย	ค่ารวม
			กลางคืน	กลางวัน			
04:10 AM - 04:15 AM	38.2	41.5	-	n/a	40.9	-	-
04:15 AM - 04:20 AM	39.9	41.8	-	n/a	40.3	-	-
04:20 AM - 04:25 AM	40.2	41.4	-	n/a	40.1	-	-
04:25 AM - 04:30 AM	38.3	41.3	-	n/a	40.1	-	-
04:30 AM - 04:35 AM	38.6	40.5	-	n/a	40.3	-	-
04:35 AM - 04:40 AM	39.3	39.9	-	n/a	39.3	-	-
04:40 AM - 04:45 AM	39.1	37.1	-	n/a	37.9	-	-
04:45 AM - 04:50 AM	40.1	34.1	-	n/a	37.2	-	-
04:50 AM - 04:55 AM	40.8	41.9	-	n/a	39.4	-	-
04:55 AM - 05:00 AM	39.7	41.9	-	n/a	39.2	-	-
05:00 AM - 05:05 AM	38.1	40.8	-	n/a	39.2	-	-
05:05 AM - 05:10 AM	38.4	40.9	-	n/a	39.2	-	-
05:10 AM - 05:15 AM	40.3	40.9	-	n/a	39.2	-	-
05:15 AM - 05:20 AM	39.0	40.1	-	n/a	39.0	-	-
05:20 AM - 05:25 AM	39.6	40.2	-	n/a	39.9	-	-
05:25 AM - 05:30 AM	40.9	40.0	-	44.6	39.7	5.5	-
05:30 AM - 05:35 AM	39.9	40.2	-	n/a	39.9	-	-
05:35 AM - 05:40 AM	40.6	40.3	-	n/a	39.9	-	-
05:40 AM - 05:45 AM	40.0	40.6	-	n/a	39.2	-	-
05:45 AM - 05:50 AM	40.1	41.6	-	47.2	38.9	8.3	-
05:50 AM - 05:55 AM	41.9	45.1	-	n/a	39.0	-	-
05:55 AM - 06:00 AM	41.0	41.0	-	n/a	39.3	-	-
06:00 AM - 07:00 AM	48.1	48.9	n/a	-	39.3	-	-
07:00 AM - 08:00 AM	50.1	47.6	46.5	-	40.8	5.7	-
08:00 AM - 09:00 AM	47.2	53.7	49.9	-	41.5	8.3	-
09:00 AM - 10:00 AM	49.5	51.2	n/a	-	45.5	-	-
10:00 AM - 11:00 AM	47.7	53.0	n/a	-	45.9	-	-
11:00 AM - 12:00 PM	51.5	52.5	55.8	-	48.5	8.3	-
12:00 PM - 01:00 PM	51.0	53.1	50.1	-	46.6	5.5	-
01:00 PM - 02:00 PM	48.3	54.1	n/a	-	44.4	-	-
02:00 PM - 03:00 PM	49.5	51.2	n/a	-	42.1	-	-
03:00 PM - 04:00 PM	51.2	48.3	48.1	-	43.8	5.1	-

หมายเหตุ :

- ISO 1996-1
- ข้อมูลการวัดเสียงตามเกณฑ์ หรือ วิธีการการวัดเสียงตามเกณฑ์ ระดับเสียง 24 ชั่วโมง และระดับเสียงสูงสุดที่สังเกตการณ์จากค่าการคำนวณ ม. 2567

- ข้อมูลการวัดเสียงตามเกณฑ์ หรือ วิธีการการวัดเสียงตามเกณฑ์ ระดับเสียงที่สังเกตการณ์จากค่าการคำนวณ ม. 2567
- ข้อมูลการวัดเสียงตามเกณฑ์ หรือ วิธีการการวัดเสียงตามเกณฑ์ ระดับเสียงที่สังเกตการณ์จากค่าการคำนวณ ม. 2567
- ข้อมูลการวัดเสียงตามเกณฑ์ หรือ วิธีการการวัดเสียงตามเกณฑ์ ระดับเสียงที่สังเกตการณ์จากค่าการคำนวณ ม. 2567

Approved by

Wibab.
Wibaworn Borik
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-03/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110375
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163507-1

Page 1 of 3

Sample No. : 24110375-28
Parameter : เลื่อนขน
Location : N4 : ขอบเขตที่ดินแปลงที่ 5 (GPS 47P 0714290, 1441190)
Measurement Date : Nov 01 - 02, 2024
Measurement by : Sami Chaichana
Sound Level Meter : 00233183

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขนถ่าย	ระดับเสียง (dB(A))		เสียงที่ตรวจพบ	ค่าเฉลี่ย	ค่ารวม
			กลางคืน	กลางวัน			
04:00 PM - 05:00 PM	50.1	45.3	44.4	-	43.3	5.1	-
05:00 PM - 06:00 PM	47.8	44.7	44.9	-	43.2	1.7	-
06:00 PM - 07:00 PM	51.9	44.7	52.7	-	43.3	15.1	-
07:00 PM - 08:00 PM	44.4	42.7	39.5	-	41.7	2.2	-
08:00 PM - 09:00 PM	50.2	42.2	49.5	-	41.6	7.9	-
09:00 PM - 10:00 PM	46.6	42.5	44.5	-	41.4	3.1	-
10:00 PM - 10:15 PM	47.3	42.8	-	46.4	41.6	8.8	-
10:15 PM - 10:30 PM	52.5	65.8	-	n/a	51.4	-	-
10:30 PM - 10:45 PM	50.4	59.9	-	n/a	51.8	-	-
10:45 PM - 10:50 PM	43.0	57.6	-	n/a	46.6	-	-
10:50 PM - 10:55 PM	42.5	44.9	-	n/a	43.5	-	-
10:55 PM - 11:00 PM	42.6	45.5	-	n/a	42.3	-	-
11:00 PM - 11:05 PM	42.5	43.8	-	n/a	42.3	-	-
11:05 PM - 11:10 PM	42.6	43.5	-	n/a	42.3	-	-
11:10 PM - 11:15 PM	42.6	43.1	-	n/a	42.4	-	-
11:15 PM - 11:20 PM	42.8	43.7	-	n/a	41.9	-	-
11:20 PM - 11:25 PM	42.0	42.9	-	n/a	42.3	-	-
11:25 PM - 11:30 PM	42.3	42.8	-	n/a	42.1	-	-
11:30 PM - 11:35 PM	42.2	42.6	-	n/a	41.8	-	-
11:35 PM - 11:40 PM	42.1	41.9	-	n/a	42.1	-	-
11:40 PM - 11:45 PM	42.6	42.8	-	n/a	41.9	-	-
11:45 PM - 11:50 PM	42.1	44.4	-	n/a	42.2	-	-
11:50 PM - 11:55 PM	41.8	43.5	-	n/a	42.7	-	-
11:55 PM - 12:00 AM	42.6	42.9	-	n/a	41.0	-	-
12:00 AM - 12:05 AM	42.4	43.7	-	n/a	42.4	-	-
12:05 AM - 12:10 AM	42.4	43.5	-	n/a	42.1	-	-
12:10 AM - 12:15 AM	42.4	43.1	-	n/a	42.0	-	-
12:15 AM - 12:20 AM	42.3	42.9	-	n/a	42.4	-	-
12:20 AM - 12:25 AM	42.5	43.4	-	n/a	42.3	-	-
12:25 AM - 12:30 AM	41.8	43.2	-	n/a	42.2	-	-
12:30 AM - 12:35 AM	41.5	41.8	-	n/a	41.9	17.8	-
12:35 AM - 12:40 AM	56.9	42.9	-	55.7	41.9	14.3	-
12:40 AM - 12:45 AM	53.6	43.3	-	56.2	41.9	14.3	-
12:45 AM - 12:50 AM	51.8	42.5	-	54.3	41.3	13.6	-

Approved by

Wibab.
Wibaworn Borik
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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-03/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110375
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163507-1

Page 2 of 3

Sample No. : 24110375-28
Parameter : เลื่อนขน
Location : N4 : ขอบเขตที่ดินแปลงที่ 5 (GPS 47P 0714290, 1441190)
Measurement Date : Nov 01 - 02, 2024
Measurement by : Sami Chaichana
Sound Level Meter : 00233183

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขนถ่าย	ระดับเสียง (dB(A))		เสียงที่ตรวจพบ	ค่าเฉลี่ย	ค่ารวม
			กลางคืน	กลางวัน			
12:50 AM - 12:55 AM	42.8	42.6	-	41.3	41.9	-	-
12:55 AM - 01:00 AM	43.1	43.5	-	40.7	42.5	0.2	-
01:00 AM - 01:05 AM	43.3	43.2	-	39.9	42.1	-12.2	-
01:05 AM - 01:10 AM	46.3	46.6	-	46.0	42.6	4.6	-
01:10 AM - 01:15 AM	41.7	42.2	-	n/a	42.2	-	-
01:15 AM - 01:20 AM	42.2	55.1	-	n/a	41.3	-	-
01:20 AM - 01:25 AM	41.5	50.6	-	n/a	41.4	-	-
01:25 AM - 01:30 AM	42.7	56.4	-	n/a	41.6	-	-
01:30 AM - 01:35 AM	40.2	56.7	-	n/a	41.3	-	-
01:35 AM - 01:40 AM	40.8	52.8	-	n/a	41.4	-	-
01:40 AM - 01:45 AM	40.5	42.6	-	n/a	41.6	-	-
01:45 AM - 01:50 AM	41.1	55.5	-	n/a	40.8	-	-
01:50 AM - 01:55 AM	42.5	57.7	-	n/a	41.3	-	-
01:55 AM - 02:00 AM	40.9	43.0	-	n/a	41.8	-	-
02:00 AM - 02:05 AM	40.7	40.8	-	n/a	41.3	-	-
02:05 AM - 02:10 AM	41.0	41.8	-	n/a	41.4	-	-
02:10 AM - 02:15 AM	40.7	42.7	-	n/a	40.9	-	-
02:15 AM - 02:20 AM	41.1	42.6	-	n/a	41.1	-	-
02:20 AM - 02:25 AM	41.2	42.3	-	n/a	42.0	-	-
02:25 AM - 02:30 AM	41.0	42.7	-	n/a	42.0	-	-
02:30 AM - 02:35 AM	41.4	43.3	-	n/a	41.5	-	-
02:35 AM - 02:40 AM	41.9	42.5	-	n/a	41.9	-	-
02:40 AM - 02:45 AM	41.2	42.4	-	n/a	41.7	-	-
02:45 AM - 02:50 AM	40.6	42.2	-	n/a	41.4	-	-
02:50 AM - 02:55 AM	40.9	42.3	-	n/a	41.5	-	-
02:55 AM - 03:00 AM	41.4	42.5	-	n/a	41.5	-	-
03:00 AM - 03:05 AM	41.3	44.0	-	n/a	41.8	-	-
03:05 AM - 03:10 AM	41.2	43.1	-	n/a	42.3	-	-
03:10 AM - 03:15 AM	41.6	42.5	-	45.7	42.6	5.1	-
03:15 AM - 03:20 AM	42.9	43.3	-	n/a	40.9	-	-
03:20 AM - 03:25 AM	46.6	43.1	-	50.2	41.7	8.5	-
03:25 AM - 03:30 AM	41.8	42.7	-	49.2	41.8	7.6	-
03:30 AM - 03:35 AM	41.6	43.1	-	n/a	41.8	-	-
03:35 AM - 03:40 AM	41.0	43.0	-	n/a	41.9	-	-
03:40 AM - 03:45 AM	41.2	42.7	-	n/a	41.8	-	-
03:45 AM - 03:50 AM	43.2	42.7	-	36.6	42.0	-3.4	-
03:50 AM - 03:55 AM	43.3	42.5	-	38.6	41.5	-2.9	-
03:55 AM - 04:00 AM	40.1	42.9	-	n/a	41.5	-	-
04:00 AM - 04:05 AM	40.0	42.1	-	n/a	40.0	-	-
04:05 AM - 04:10 AM	52.4	42.2	-	55.0	40.8	14.2	-

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-03/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110375
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163507-1

Page 3 of 3

Sample No. : 24110375-28
Parameter : เลื่อนขน
Location : N4 : ขอบเขตที่ดินแปลงที่ 5 (GPS 47P 0714290, 1441190)
Measurement Date : Nov 01 - 02, 2024
Measurement by : Sami Chaichana
Sound Level Meter : 00233183

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขนถ่าย	ระดับเสียง (dB(A))		เสียงที่ตรวจพบ	ค่าเฉลี่ย	ค่ารวม
			กลางคืน	กลางวัน			
04:10 AM - 04:15 AM	56.9	43.1	-	59.7	42.1	17.6	-
04:15 AM - 04:20 AM	54.2	42.8	-	56.9	41.7	15.2	-
04:20 AM - 04:25 AM	50.5	46.4	-	51.4	41.6	9.8	-
04:25 AM - 04:30 AM	40.2	46.2	-	n/a	41.4	-	-
04:30 AM - 04:35 AM	41.0	54.7	-	n/a	40.9	-	-
04:35 AM - 04:40 AM	41.1	50.2	-	n/a	40.9	-	-
04:40 AM - 04:45 AM	41.0	56.0	-	n/a	41.4	-	-
04:45 AM - 04:50 AM	41.5	56.3	-	n/a	41.0	-	-
04:50 AM - 04:55 AM	42.2	52.4	-	n/a	41.0	-	-
04:55 AM - 05:00 AM	41.9	42.2	-	n/a	41.2	-	-
05:00 AM - 05:05 AM	45.0	55.1	-	n/a	40.4	-	-
05:05 AM - 05:10 AM	41.2	37.7	-	n/a	40.9	-	-
05:10 AM - 05:15 AM	40.9	42.6	-	n/a	41.4	-	-
05:15 AM - 05:20 AM	40.7	42.4	-	n/a	40.9	-	-
05:20 AM - 05:25 AM	41.3	42.4	-	n/a	41.0	-	-
05:25 AM - 05:30 AM	41.0	41.8	-	n/a	40.5	-	-
05:30 AM - 05:35 AM	41.0	42.2	-	n/a	40.7	-	-
05:35 AM - 05:40 AM	40.5	42.9	-	n/a	40.2	-	-
05:40 AM - 05:45 AM	46.1	41.8	-	42.1	22.9	2.2	-
05:45 AM - 05:50 AM	46.7	41.9	-	45.8	40.9	5.0	-
05:50 AM - 05:55 AM	42.1	41.8	-	33.3	23.9	-6.6	-
05:55 AM - 06:00 AM	43.0	44.6	-	n/a	40.4	-	-
06:00 AM - 06:05 AM	47.7	41.0	-	n/a	35.5	-	-
06:05 AM - 06:10 AM	50.6	52.2	n/a	-	42.7	-	-
06:10 AM - 06:15 AM	50.4	51.3	n/a	-	46.4	-	-
06:15 AM - 06:20 AM	52.5	50.5	48.2	-	45.3	2.5	-
06:20 AM - 11:00 AM	51.8	51.4	n/a	-	45.4	-	-
11:00 AM - 12:00 PM	55.1	50.8	53.1	-	45.2	2.9	-
12:00 PM - 01:00 PM	53.5	48.1	52.0	-	41.1	10.9	-
01:00 PM - 02:00 PM	48.5	56.1	n/a	-	45.1	-	-
02:00 PM - 03:00 PM	53.2	50.5	49.9	-	43.3	6.6	-
03:00 PM - 04:00 PM	49.4	48.7	41.3	-	42.4	-1.3	-



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
P/O : RJN-LCB-033/66
Project Name : Lamchabang
Project Location : Lamchabang

Lot ID: 24110375
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163508-1

Sample No. : 24110375-29
Parameter : เลื่อนสนาม
Location : NS : ซ่งพูนใกล้ถนน (ม. 2 ๓๖๓๓๓๓) (GPS 47P 0715682, 1441383)
Measurement Date : Oct 26 - 27, 2024
Measurement by : Santi Chakchana
Sound Level Meter : 01222716

Page 1 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงจากโวลุ่มเมตร	เสียงตามอาคาร		เสียงที่ฐาน	ค่าระดับ
			ภายใน	ภายนอก		
03:00 PM - 04:00 PM	41.8	39.4	49.4	-	36.9	32.5
04:00 PM - 05:00 PM	40.4	43.0	38.3	-	37.0	1.8
05:00 PM - 06:00 PM	45.2	48.3	40.9	-	35.5	-
06:00 PM - 07:00 PM	50.4	48.8	45.3	-	46.8	-1.5
07:00 PM - 08:00 PM	52.5	50.7	47.8	-	49.9	-2.1
08:00 PM - 09:00 PM	34.3	50.6	51.9	-	50.1	1.8
09:00 PM - 10:00 PM	32.7	49.2	50.7	-	49.6	1.5
10:00 PM - 10:05 PM	31.5	48.7	-	53.3	49.0	3.3
10:05 PM - 10:10 PM	31.5	48.6	-	51.4	49.1	3.2
10:10 PM - 10:15 PM	31.6	48.9	-	51.3	49.6	2.7
10:15 PM - 10:20 PM	31.0	48.8	-	50.0	48.4	1.6
10:20 PM - 10:25 PM	30.8	48.3	-	49.3	46.3	1.0
10:25 PM - 10:30 PM	32.0	48.7	-	52.3	49.3	4.0
10:30 PM - 10:35 PM	30.7	48.3	-	44.8	48.3	-3.5
10:35 PM - 10:40 PM	41.9	48.4	-	47.6	47.9	-0.7
10:40 PM - 10:45 PM	49.9	48.5	-	47.6	47.7	-0.3
10:45 PM - 10:50 PM	49.9	48.7	-	46.7	48.2	-1.5
10:50 PM - 10:55 PM	50.0	48.5	-	47.7	48.1	-0.4
10:55 PM - 11:00 PM	50.3	48.7	-	48.2	48.2	0.0
11:00 PM - 11:05 PM	49.9	48.7	-	46.7	48.2	-1.5
11:05 PM - 11:10 PM	50.7	49.0	-	44.8	48.3	0.5
11:10 PM - 11:15 PM	50.1	49.4	-	44.2	47.6	0.6
11:15 PM - 11:20 PM	48.8	48.7	-	43.9	47.6	-4.7
11:20 PM - 11:25 PM	48.5	48.8	-	41.9	46.3	-
11:25 PM - 11:30 PM	48.8	48.9	-	41.9	46.4	-
11:30 PM - 11:35 PM	48.8	48.9	-	41.9	46.4	-
11:35 PM - 11:40 PM	48.3	48.3	-	45.4	47.7	-2.3
11:40 PM - 11:45 PM	46.6	48.4	-	45.1	47.5	-1.1
11:45 PM - 11:50 PM	47.3	48.3	-	44.5	47.6	-2.7
11:50 PM - 11:55 PM	49.1	48.3	-	43.5	48.1	-5.6
11:55 PM - 12:00 AM	47.3	47.7	-	42.8	46.7	-1.4
12:00 AM - 12:05 AM	48.1	46.1	-	44.4	47.6	-3.2
12:05 AM - 12:10 AM	49.9	47.8	-	43.4	47.3	-1.9
12:10 AM - 12:15 AM	48.4	47.4	-	42.3	47.0	-1.4
12:15 AM - 12:20 AM	48.1	46.0	-	41.6	47.3	-4.7
12:20 AM - 12:25 AM	48.7	46.1	-	42.8	47.8	-4.7
12:25 AM - 12:30 AM	46.6	47.5	-	48.4	46.8	1.6
12:30 AM - 12:35 AM	49.0	47.4	-	46.9	46.8	0.1
12:35 AM - 12:40 AM	47.9	47.7	-	46.9	46.8	2.1
12:40 AM - 12:45 AM	47.6	46.1	-	46.9	46.8	-0.1



Analysis / Test Report

Cliant : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italtai Tove, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-031/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110375
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163509-1

Page 2 of 3

Sample No. : 24110375-30
Parameter : เสียงรบกวน
Location : รส : ซันไท์คัลชานา (ม. 2 ระแวกศูนย์) (GPS 47P 0715682, 1441383)
Measurement Date : Oct 27 - 28, 2024
Measurement by : Santi Chachana
Sound Level Meter : 01222716

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนในลักษณะ	เสียงรบกวนจากการขยาย		เสียงที่ปรากฏ	ค่าระดับการขยาย
			กลางคืน	กลางวัน		
12:45 AM - 1:30 AM	45.5	52.0	n/a	n/a	51.1	-
1:30 AM - 2:15 AM	45.8	51.5	-	n/a	49.0	-
2:15 AM - 3:00 AM	46.0	51.2	-	n/a	49.0	-
3:00 AM - 3:45 AM	45.4	51.5	-	n/a	49.0	-
3:45 AM - 4:30 AM	45.3	50.6	-	n/a	48.5	-
4:30 AM - 5:15 AM	45.2	49.6	-	n/a	46.5	-
5:15 AM - 6:00 AM	44.9	49.5	-	n/a	46.5	-
6:00 AM - 6:45 AM	45.5	48.6	-	n/a	45.6	-
6:45 AM - 7:30 AM	45.3	48.3	-	n/a	46.1	-
7:30 AM - 8:15 AM	47.1	49.3	-	n/a	47.1	-
8:15 AM - 9:00 AM	46.3	48.4	-	n/a	46.4	-1.4
9:00 AM - 9:45 AM	46.0	47.5	-	n/a	45.2	-2.9
9:45 AM - 10:30 AM	54.4	47.4	-	n/a	45.6	10.4
10:30 AM - 11:15 AM	47.2	48.4	-	n/a	44.2	4.8
11:15 AM - 12:00 AM	46.6	44.6	-	n/a	44.6	-
12:00 AM - 12:45 AM	47.0	47.8	-	n/a	45.0	-10.5
12:45 AM - 1:30 AM	46.3	46.1	-	n/a	45.2	-
1:30 AM - 2:15 AM	46.6	47.6	-	n/a	47.1	-
2:15 AM - 3:00 AM	46.3	46.8	-	n/a	46.7	-6.6
3:00 AM - 3:45 AM	46.5	52.4	-	n/a	46.8	-
3:45 AM - 4:30 AM	46.4	50.0	-	n/a	46.1	-
4:30 AM - 5:15 AM	46.8	46.8	-	n/a	44.9	-1.4
5:15 AM - 6:00 AM	46.8	46.3	-	n/a	47.0	0.5
6:00 AM - 6:45 AM	46.4	46.6	-	n/a	47.6	1.8
6:45 AM - 7:30 AM	49.9	46.3	-	n/a	47.3	-3.0
7:30 AM - 8:15 AM	46.9	49.5	-	n/a	48.5	-
8:15 AM - 9:00 AM	46.2	46.8	-	n/a	47.2	-7.2
9:00 AM - 9:45 AM	46.3	46.4	-	n/a	46.6	-
9:45 AM - 10:30 AM	49.4	49.4	-	n/a	47.9	-7.3
10:30 AM - 11:15 AM	49.0	50.3	-	n/a	49.4	-
11:15 AM - 12:00 AM	47.7	50.7	-	n/a	49.7	-
12:00 AM - 1:30 AM	50.0	50.1	-	n/a	49.1	-
1:30 AM - 2:15 AM	50.0	49.6	-	n/a	48.5	-6.1
2:15 AM - 3:00 AM	49.8	49.8	-	n/a	48.2	-6.6
3:00 AM - 3:45 AM	50.2	50.0	-	n/a	47.7	-6.1
3:45 AM - 4:30 AM	51.1	49.5	-	n/a	48.0	0.4
4:30 AM - 5:15 AM	51.2	49.6	-	n/a	48.1	0.5
5:15 AM - 6:00 AM	51.4	49.7	-	n/a	49.5	0.7
6:00 AM - 6:45 AM	52.2	50.0	-	n/a	49.2	2.0
6:45 AM - 7:30 AM	52.4	50.5	-	n/a	49.8	1.1

Approved by

Wilawan Borik
Manager

01222716-616/10 Moo 5 T. Namkhun A. Roadside Rong 21140 Thailand. Phone: +66 0 3304 8555 Fax: +66 0 3304 8556

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Analysis / Test Report

Cliant : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italtai Tove, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-031/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110375
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163509-1

Page 1 of 3

Sample No. : 24110375-31
Parameter : เสียงรบกวน
Location : รส : ซันไท์คัลชานา (ม. 2 ระแวกศูนย์) (GPS 47P 0715682, 1441383)
Measurement Date : Oct 28 - 29, 2024
Measurement by : Santi Chachana
Sound Level Meter : 01222716

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนในลักษณะ	เสียงรบกวนจากการขยาย		เสียงที่ปรากฏ	ค่าระดับการขยาย
			กลางคืน	กลางวัน		
04:00 PM - 04:45 PM	46.4	47.2	n/a	n/a	39.1	-0.9
04:45 PM - 05:30 PM	45.6	47.2	n/a	n/a	37.8	-
05:30 PM - 06:15 PM	46.7	45.4	46.8	-	42.5	-1.2
06:15 PM - 07:00 PM	46.0	51.3	45.6	-	45.6	-2.5
07:00 PM - 07:45 PM	51.4	53.7	n/a	-	51.8	-
07:45 PM - 08:30 PM	54.6	56.9	n/a	-	55.0	-
08:30 PM - 09:15 PM	51.5	56.7	n/a	-	55.0	-
09:15 PM - 10:00 PM	51.2	57.3	n/a	-	55.4	-
10:00 PM - 10:45 PM	56.8	57.6	n/a	-	56.2	-
10:45 PM - 11:30 PM	50.8	58.1	n/a	-	56.9	-
11:30 PM - 12:15 PM	52.6	57.9	n/a	-	56.1	-
12:15 PM - 13:00 PM	52.6	56.3	n/a	-	54.2	-
13:00 PM - 13:45 PM	51.6	56.0	n/a	-	54.2	-
13:45 PM - 14:30 PM	51.0	56.0	n/a	-	55.0	-
14:30 PM - 15:15 PM	50.2	54.7	n/a	-	52.3	-
15:15 PM - 16:00 PM	50.6	53.3	n/a	-	50.5	-
16:00 PM - 16:45 PM	50.1	53.5	n/a	-	51.1	-
16:45 PM - 17:30 PM	46.7	56.2	n/a	-	54.6	-
17:30 PM - 18:15 PM	49.4	55.8	n/a	-	54.1	-
18:15 PM - 19:00 PM	49.6	55.5	n/a	-	53.5	-
19:00 PM - 19:45 PM	49.9	54.6	n/a	-	52.2	-6.6
19:45 PM - 20:30 PM	50.2	53.1	n/a	-	51.4	-
20:30 PM - 21:15 PM	49.7	54.8	n/a	-	52.3	-
21:15 PM - 22:00 PM	49.2	53.2	n/a	-	50.8	-
22:00 PM - 22:45 PM	49.3	52.2	n/a	-	50.4	-
22:45 PM - 23:30 PM	48.8	51.6	n/a	-	50.2	-
23:30 PM - 24:15 PM	49.6	51.9	n/a	-	50.2	-
24:15 PM - 25:00 PM	48.5	51.5	n/a	-	50.7	-
25:00 PM - 25:45 PM	48.8	53.3	n/a	-	50.8	-
25:45 PM - 26:30 PM	48.6	52.4	n/a	-	50.5	-
26:30 PM - 27:15 PM	48.9	51.7	n/a	-	50.7	-
27:15 PM - 28:00 PM	48.0	51.6	n/a	-	50.2	-
28:00 PM - 28:45 PM	48.1	51.9	n/a	-	50.2	-
28:45 PM - 29:30 PM	47.8	51.3	n/a	-	50.9	-
29:30 PM - 30:15 PM	47.8	50.9	n/a	-	49.4	-
30:15 PM - 31:00 PM	47.2	50.2	n/a	-	48.7	-
31:00 PM - 31:45 PM	47.3	49.5	n/a	-	47.7	-
31:45 PM - 32:30 PM	47.2	49.5	n/a	-	47.9	-

Approved by

Wilawan Borik
Manager

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Analysis / Test Report

Cliant : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italtai Tove, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-031/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110375
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163509-1

Page 3 of 3

Sample No. : 24110375-30
Parameter : เสียงรบกวน
Location : รส : ซันไท์คัลชานา (ม. 2 ระแวกศูนย์) (GPS 47P 0715682, 1441383)
Measurement Date : Oct 27 - 28, 2024
Measurement by : Santi Chachana
Sound Level Meter : 01222716

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนในลักษณะ	เสียงรบกวนจากการขยาย		เสียงที่ปรากฏ	ค่าระดับการขยาย
			กลางคืน	กลางวัน		
04:05 AM - 04:10 AM	50.4	52.4	-	n/a	49.6	1.5
04:10 AM - 04:15 AM	51.8	56.8	-	n/a	50.0	-2.1
04:15 AM - 04:20 AM	51.8	51.9	-	n/a	51.2	-
04:20 AM - 04:25 AM	51.1	52.0	-	n/a	51.2	-
04:25 AM - 04:30 AM	51.3	52.4	-	n/a	51.5	-
04:30 AM - 04:35 AM	50.7	52.9	-	n/a	52.0	-
04:35 AM - 04:40 AM	49.4	53.1	-	n/a	53.1	-
04:40 AM - 04:45 AM	49.6	53.3	-	n/a	52.3	-
04:45 AM - 04:50 AM	49.0	52.7	-	n/a	51.9	-
04:50 AM - 04:55 AM	49.1	52.7	-	n/a	51.8	-
04:55 AM - 05:00 AM	49.1	52.2	-	n/a	51.4	-
05:00 AM - 05:05 AM	49.0	52.0	-	n/a	51.0	-
05:05 AM - 05:10 AM	50.4	51.5	-	n/a	50.7	-
05:10 AM - 05:15 AM	49.3	50.3	-	n/a	49.6	-
05:15 AM - 05:20 AM	49.5	51.3	-	n/a	50.0	-
05:20 AM - 05:25 AM	49.1	51.7	-	n/a	49.8	-
05:25 AM - 05:30 AM	49.3	51.6	-	n/a	49.5	-
05:30 AM - 05:35 AM	50.3	51.0	-	n/a	49.6	-
05:35 AM - 05:40 AM	50.0	51.2	-	n/a	50.1	-
05:40 AM - 05:45 AM	49.7	52.1	-	n/a	50.8	-
05:45 AM - 05:50 AM	50.2	51.2	-	n/a	49.9	-
05:50 AM - 05:55 AM	51.7	56.8	-	n/a	47.4	-2.3
05:55 AM - 06:00 AM	49.9	50.5	-	n/a	49.5	-
06:00 AM - 06:05 AM	49.8	49.2	-	n/a	49.7	-4.5
06:05 AM - 06:10 AM	50.3	49.9	39.7	-	46.7	-9.0
06:10 AM - 06:15 AM	49.8	50.0	-	n/a	46.1	-
06:15 AM - 06:20 AM	49.2	46.8	n/a	-	46.8	-
10:50 AM - 11:00 AM	46.0	47.1	n/a	-	43.9	-
11:00 AM - 12:00 PM	43.3	46.2	n/a	-	42.1	-
12:00 PM - 01:00 PM	46.8	41.9	43.1	-	39.6	-5.3
01:00 PM - 02:00 PM	50.1	50.1	n/a	-	41.1	-
02:00 PM - 03:00 PM	41.8	46.0	n/a	-	40.1	-

Reference Method :

- ISO 1996-1
- เสียงรบกวนจากแหล่งกำเนิด (เสียง) : เสียงรบกวนจากแหล่งกำเนิดเสียงรบกวน 24 ชั่วโมง และระดับเสียงรบกวนจากแหล่งกำเนิดเสียงรบกวน พ.ศ. 2567

หมายเหตุ :

- ผลการทดสอบเสียงรบกวน : ผลการทดสอบเสียงรบกวนจากแหล่งกำเนิดเสียงรบกวน 24 ชั่วโมง และระดับเสียงรบกวนจากแหล่งกำเนิดเสียงรบกวน พ.ศ. 2567
- ผลการทดสอบเสียงรบกวน : ผลการทดสอบเสียงรบกวนจากแหล่งกำเนิดเสียงรบกวน 24 ชั่วโมง และระดับเสียงรบกวนจากแหล่งกำเนิดเสียงรบกวน พ.ศ. 2567

Remark :

- ผลการทดสอบเสียงรบกวน : ผลการทดสอบเสียงรบกวนจากแหล่งกำเนิดเสียงรบกวน 24 ชั่วโมง และระดับเสียงรบกวนจากแหล่งกำเนิดเสียงรบกวน พ.ศ. 2567
- ผลการทดสอบเสียงรบกวน : ผลการทดสอบเสียงรบกวนจากแหล่งกำเนิดเสียงรบกวน 24 ชั่วโมง และระดับเสียงรบกวนจากแหล่งกำเนิดเสียงรบกวน พ.ศ. 2567

3. ผลการทดสอบเสียงรบกวน : ผลการทดสอบเสียงรบกวนจากแหล่งกำเนิดเสียงรบกวน 24 ชั่วโมง และระดับเสียงรบกวนจากแหล่งกำเนิดเสียงรบกวน พ.ศ. 2567

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Analysis / Test Report

Cliant : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italtai Tove, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-031/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110375
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163509-1

Page 2 of 3

Sample No. : 24110375-31
Parameter : เสียงรบกวน
Location : รส : ซันไท์คัลชานา (ม. 2 ระแวกศูนย์) (GPS 47P 0715682, 1441383)
Measurement Date : Oct 28 - 29, 2024
Measurement by : Santi Chachana
Sound Level Meter : 01222716

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะปฏิบัติงาน	ระดับเสียง (dB(A))		เสียงที่ฐาน	ค่าสัมประสิทธิ์การรบกวน
			กลางวัน	กลางคืน		
12:45 AM - 12:50 AM	47.3	49.9	-	n/a	48.5	-
12:50 AM - 12:55 AM	47.2	49.4	-	n/a	47.9	-
12:55 AM - 01:00 AM	47.2	48.8	-	n/a	47.9	-
01:00 AM - 01:05 AM	47.0	47.6	-	n/a	47.0	-
01:05 AM - 01:10 AM	47.3	48.6	-	n/a	47.5	-
01:10 AM - 01:15 AM	46.9	48.1	-	n/a	47.3	-
01:15 AM - 01:20 AM	46.7	48.3	-	n/a	47.3	-
01:20 AM - 01:25 AM	47.6	48.5	-	n/a	47.6	-
01:25 AM - 01:30 AM	46.9	48.4	-	n/a	47.4	-
01:30 AM - 01:35 AM	47.0	48.3	-	n/a	47.4	-
01:35 AM - 01:40 AM	47.8	48.1	-	n/a	47.0	-
01:40 AM - 01:45 AM	47.2	48.5	-	n/a	47.2	-
01:45 AM - 01:50 AM	46.4	47.8	-	n/a	46.8	-4.3
01:50 AM - 01:55 AM	46.1	47.7	-	n/a	46.7	-5.6
01:55 AM - 02:00 AM	47.9	48.3	-	n/a	47.1	-
02:00 AM - 02:05 AM	47.6	47.6	-	n/a	46.6	-4.3
02:05 AM - 02:10 AM	47.6	47.6	-	n/a	46.8	-
02:10 AM - 02:15 AM	47.6	47.6	-	n/a	47.2	-
02:15 AM - 02:20 AM	47.5	48.2	-	n/a	47.1	-
02:20 AM - 02:25 AM	47.1	49.1	-	n/a	48.0	-
02:25 AM - 02:30 AM	47.3	49.0	-	n/a	47.5	-
02:30 AM - 02:35 AM	48.1	48.4	-	n/a	47.3	-
02:35 AM - 02:40 AM	48.3	49.0	-	n/a	47.7	-
02:40 AM - 02:45 AM	48.5	48.2	-	n/a	47.2	-7.5
02:45 AM - 02:50 AM	48.7	48.0	-	n/a	47.1	-3.7
02:50 AM - 02:55 AM	47.4	47.7	-	n/a	47.1	0.4
02:55 AM - 03:00 AM	47.6	48.7	-	n/a	47.7	-2.4
03:00 AM - 03:05 AM	49.7	49.3	-	n/a	48.5	-6.4
03:05 AM - 03:10 AM	49.9	49.2	-	n/a	48.6	-3.4
03:10 AM - 03:15 AM	49.2	49.8	-	n/a	48.6	-
03:15 AM - 03:20 AM	49.5	49.9	-	n/a	48.8	-
03:20 AM - 03:25 AM	49.8	50.5	-	n/a	49.3	-
03:25 AM - 03:30 AM	49.7	51.2	-	n/a	49.5	-
03:30 AM - 03:35 AM	49.4	51.2	-	n/a	49.3	-
03:35 AM - 03:40 AM	49.1	51.4	-	n/a	49.4	-
03:40 AM - 03:45 AM	49.3	51.6	-	n/a	49.6	-
03:45 AM - 03:50 AM	50.1	50.8	-	n/a	49.4	-
03:50 AM - 03:55 AM	49.7	51.3	-	n/a	49.3	-
03:55 AM - 04:00 AM	49.9	51.7	-	n/a	50.1	-
04:00 AM - 04:05 AM	50.2	52.8	-	n/a	50.2	-



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2024/11/26TH Fl, Itaihai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-ICB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110375
Date Received: Nov 06, 2024
Date Reported: Nov 15, 2024
Report Number : 3163510-1

Page 3 of 3

Sample No. : 24110375-31
Parameter : เสียงรบกวน
Location : N5 : ห้างไนท์บาซาร์ (น. 2 แลนด์เฮลธ์) (GPS 47P 0715682, 1441383)
Measurement Date : Oct 29 - 30, 2024
Measurement by : Santi Chakchana
Sound Level Meter : 01222716

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	เสียงรบกวนจากการจราจร		เสียงรบกวน	ค่าระดับ
			กลางวัน	กลางคืน		
04:05 AM - 04:10 AM	46.9	51.7	-	n/a	50.3	-
04:15 AM - 04:20 AM	47.3	51.4	-	n/a	50.0	-
04:25 AM - 04:30 AM	46.3	51.0	-	n/a	49.5	-
04:35 AM - 04:40 AM	46.0	51.2	-	n/a	49.8	-
04:45 AM - 04:50 AM	49.1	50.8	-	n/a	49.5	-
04:55 AM - 05:00 AM	50.4	49.4	-	n/a	48.5	-2.0
05:05 AM - 05:10 AM	48.5	49.6	-	n/a	48.4	-
05:15 AM - 05:20 AM	49.3	49.6	-	n/a	48.3	-
05:25 AM - 05:30 AM	49.4	50.0	-	n/a	48.7	-2.2
05:35 AM - 05:40 AM	50.7	50.5	-	n/a	49.3	-
05:45 AM - 05:50 AM	49.8	50.0	-	n/a	49.0	-
05:55 AM - 06:00 AM	50.7	50.0	-	n/a	49.0	-3.6
06:05 AM - 06:10 AM	49.4	50.4	-	n/a	49.6	-
06:15 AM - 06:20 AM	47.2	49.8	-	n/a	49.0	-
06:25 AM - 06:30 AM	47.3	49.9	-	n/a	49.0	-
06:35 AM - 06:40 AM	47.9	50.3	-	n/a	49.5	-
06:45 AM - 06:50 AM	50.7	50.1	-	n/a	49.4	-4.6
06:55 AM - 07:00 AM	48.3	49.5	-	n/a	48.5	-
07:05 AM - 07:10 AM	48.2	50.1	-	n/a	48.9	-
07:15 AM - 07:20 AM	54.2	49.0	-	n/a	48.0	7.6
07:25 AM - 07:30 AM	49.5	46.2	-	n/a	47.4	-5.8
07:35 AM - 07:40 AM	48.8	46.3	-	n/a	47.3	-5.1
07:45 AM - 07:50 AM	55.5	46.4	-	n/a	47.2	2.1
07:55 AM - 08:00 AM	51.1	52.5	n/a	-	47.0	-
08:05 AM - 08:10 AM	46.8	49.6	n/a	-	46.4	-
08:15 AM - 08:20 AM	42.5	46.4	n/a	-	39.3	-
08:25 AM - 08:30 AM	44.9	46.5	n/a	-	44.5	-3.3
08:35 AM - 08:40 AM	43.8	50.4	n/a	-	38.8	-
08:45 AM - 08:50 AM	39.6	43.2	n/a	-	36.2	-
08:55 AM - 09:00 AM	39.0	43.3	n/a	-	35.8	-
09:05 AM - 09:10 AM	46.6	45.9	38.3	-	36.2	2.1
09:15 AM - 09:20 AM	51.9	38.6	51.7	-	36.4	15.3

หมายเหตุ :

- ISO 1996-1
 - ประกาศกระทรวงมหาดไทย เรื่อง มาตรการเพื่อลดผลกระทบจากเสียงรบกวน 24 ชั่วโมง และระดับเสียงสูงสุดที่ส่งผลกระทบต่อสุขภาพจากโรงงาน พ.ศ. 2547
 - ประกาศกระทรวงมหาดไทย เรื่อง มาตรการเพื่อลดผลกระทบจากเสียงรบกวน 24 ชั่วโมง และระดับเสียงสูงสุดที่ส่งผลกระทบต่อสุขภาพจากโรงงาน พ.ศ. 2548
 - ประกาศกระทรวงมหาดไทย เรื่อง มาตรการเพื่อลดผลกระทบจากเสียงรบกวน 24 ชั่วโมง และระดับเสียงสูงสุดที่ส่งผลกระทบต่อสุขภาพจากโรงงาน พ.ศ. 2561
- Remark :
- ระดับเสียงการจราจรต่ำสุด จากการจราจร วันที่ 28-29 ตุลาคม 2567
 - ระดับเสียงการจราจรต่ำสุด จากการจราจร วันที่ 28-29 ตุลาคม 2567
 - ระดับเสียงการจราจรต่ำสุด จากการจราจร วันที่ 28-29 ตุลาคม 2567
 - ระดับเสียงการจราจรต่ำสุด จากการจราจร วันที่ 28-29 ตุลาคม 2567

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Wibab

Wibab Borik
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2024/11/26TH Fl, Itaihai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-ICB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110375
Date Received: Nov 06, 2024
Date Reported: Nov 15, 2024
Report Number : 3163511-1

Page 3 of 3

Sample No. : 24110375-32
Parameter : เสียงรบกวน
Location : N5 : ห้างไนท์บาซาร์ (น. 2 แลนด์เฮลธ์) (GPS 47P 0715682, 1441383)
Measurement Date : Oct 29 - 30, 2024
Measurement by : Santi Chakchana
Sound Level Meter : 01222716

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	เสียงรบกวนจากการจราจร		เสียงรบกวน	ค่าระดับ
			กลางวัน	กลางคืน		
03:00 PM - 03:05 PM	47.1	41.2	45.8	-	35.7	10.1
03:05 PM - 03:10 PM	50.3	50.1	36.8	-	36.6	5.2
03:15 PM - 03:20 PM	50.9	54.9	36.9	-	37.8	-
03:25 PM - 03:30 PM	51.4	51.7	n/a	-	47.6	-
03:35 PM - 03:40 PM	51.6	51.0	42.7	-	50.3	-7.6
03:45 PM - 03:50 PM	48.9	52.2	n/a	-	51.5	-
03:55 PM - 04:00 PM	46.0	54.1	n/a	-	52.9	-
04:05 PM - 04:10 PM	45.7	52.3	-	n/a	50.2	-
04:15 PM - 04:20 PM	47.6	51.6	-	n/a	50.3	-
04:25 PM - 04:30 PM	49.2	51.8	-	n/a	50.4	-
04:35 PM - 04:40 PM	48.7	51.8	-	n/a	50.4	-
04:45 PM - 04:50 PM	48.8	51.5	-	n/a	49.1	-
04:55 PM - 05:00 PM	49.0	50.9	-	n/a	49.5	-
05:05 PM - 05:10 PM	47.9	50.2	-	n/a	49.2	-
05:15 PM - 05:20 PM	46.7	49.6	-	n/a	48.9	-
05:25 PM - 05:30 PM	47.2	49.4	-	n/a	48.4	-
05:35 PM - 05:40 PM	47.1	52.3	-	n/a	48.4	-
05:45 PM - 05:50 PM	47.8	49.3	-	n/a	48.6	-
05:55 PM - 06:00 PM	46.7	49.8	-	n/a	48.3	-
06:05 PM - 06:10 PM	45.5	48.8	-	n/a	47.9	-
06:15 PM - 06:20 PM	46.9	48.8	-	n/a	47.9	-
06:25 PM - 06:30 PM	47.0	46.5	-	n/a	47.7	-
06:35 PM - 06:40 PM	46.8	48.0	-	n/a	47.3	-
06:45 PM - 06:50 PM	46.1	47.7	-	n/a	47.0	-
06:55 PM - 07:00 PM	46.4	48.1	-	n/a	47.4	-
07:05 PM - 07:10 PM	46.5	47.8	-	n/a	46.9	-
07:15 PM - 07:20 PM	46.7	47.8	-	n/a	47.0	-
07:25 PM - 07:30 PM	47.0	47.4	-	n/a	46.5	-
07:35 PM - 07:40 PM	47.1	47.5	-	n/a	46.4	-
07:45 PM - 07:50 PM	47.3	47.3	-	n/a	46.9	-
07:55 PM - 08:00 PM	47.1	47.1	-	n/a	46.1	-
08:05 PM - 08:10 PM	47.0	46.5	-	n/a	45.7	-5.3
08:15 PM - 08:20 PM	49.6	46.6	-	n/a	45.1	-4.1
08:25 PM - 08:30 PM	49.4	46.3	-	n/a	45.4	-
08:35 PM - 08:40 PM	49.2	46.7	-	n/a	45.9	-5.4
08:45 PM - 08:50 PM	50.6	46.8	-	n/a	46.2	-2.7
08:55 PM - 09:00 PM	49.8	46.7	-	n/a	46.1	-3.8

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Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2024/11/26TH Fl, Itaihai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-ICB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110375
Date Received: Nov 06, 2024
Date Reported: Nov 15, 2024
Report Number : 3163511-1

Page 2 of 3

Sample No. : 24110375-32
Parameter : เสียงรบกวน
Location : N5 : ห้างไนท์บาซาร์ (น. 2 แลนด์เฮลธ์) (GPS 47P 0715682, 1441383)
Measurement Date : Oct 29 - 30, 2024
Measurement by : Santi Chakchana
Sound Level Meter : 01222716

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	เสียงรบกวนจากการจราจร		เสียงรบกวน	ค่าระดับ
			กลางวัน	กลางคืน		
12:45 AM - 12:50 AM	51.1	46.3	-	52.4	45.6	6.8
12:55 AM - 01:00 AM	48.3	46.6	-	46.4	45.9	0.5
01:05 AM - 01:10 AM	46.8	46.7	-	50.5	46.0	-5.4
01:15 AM - 01:20 AM	46.4	46.2	-	46.0	-	-
01:25 AM - 01:30 AM	46.3	47.0	-	n/a	46.1	-
01:35 AM - 01:40 AM	44.5	47.2	-	n/a	46.2	-
01:45 AM - 01:50 AM	46.3	46.4	-	n/a	45.7	1.1
01:55 AM - 02:00 AM	47.2	46.8	-	n/a	46.3	-
02:05 AM - 02:10 AM	46.4	46.5	-	n/a	46.7	-
02:15 AM - 02:20 AM	42.7	46.6	-	n/a	46.0	-1.8
02:25 AM - 02:30 AM	49.0	46.8	-	n/a	46.3	2.3
02:35 AM - 02:40 AM	47.0	46.5	-	n/a	45.9	-5.5
02:45 AM - 02:50 AM	45.8	46.5	-	n/a	45.2	-
02:55 AM - 03:00 AM	45.7	45.8	-	n/a	44.8	-
03:05 AM - 03:10 AM	47.0	45.7	-	n/a	45.3	-1.2
03:15 AM - 03:20 AM	47.8	45.8	-	n/a	46.5	1.3
03:25 AM - 03:30 AM	46.0	45.6	-	n/a	45.9	2.1
03:35 AM - 03:40 AM	46.4	46.4	-	n/a	44.9	-
03:45 AM - 03:50 AM	47.5	46.6	-	n/a	45.3	-
03:55 AM - 04:00 AM	47.0	46.3	-	n/a	45.4	1.6
04:05 AM - 04:10 AM	47.5	46.3	-	n/a	45.4	-1.1
04:15 AM - 04:20 AM	47.4	47.0	-	n/a	45.6	-5.8
04:25 AM - 04:30 AM	47.1	47.5	-	n/a	46.2	-
04:35 AM - 04:40 AM	50.3	47.7	-	n/a	46.3	3.6
04:45 AM - 04:50 AM	52.5	47.1	-	n/a	45.6	8.4
04:55 AM - 05:00 AM	52.4	46.0	-	n/a	45.5	7.9
05:05 AM - 05:10 AM	51.3	46.4	-	n/a	45.2	-
05:15 AM - 05:20 AM	51.6	46.4	-	n/a	44.0	7.6
05:25 AM - 05:30 AM	51.6	46.4	-	n/a	51.5	4.9
05:35 AM - 05:40 AM	51.1	50.6	-	n/a	46.4	-0.9
05:45 AM - 05:50 AM	49.3	47.2	-	n/a	45.5	2.1
05:55 AM - 06:00 AM	46.6	48.0	-	n/a	45.5	-
06:05 AM - 06:10 AM	46.0	46.9	-	n/a	45.2	-
06:15 AM - 06:20 AM	45.7	46.6	-	n/a	43.4	-11.1
06:25 AM - 06:30 AM	46.1	45.2	-	n/a	42.7	-9.9
06:35 AM - 06:40 AM	45.7	46.9	-	n/a	43.0	-
06:45 AM - 06:50 AM	46.5	46.3	-	n/a	44.3	-1.9
06:55 AM - 07:00 AM	47.5	46.0	-	n/a	45.2	0.2
07:05 AM - 07:10 AM	53.3	47.5	-	n/a	46.6	8.4
07:15 AM - 07:20 AM	46.1	47.3	-	n/a	47.0	-

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2024/11/26TH Fl, Itaihai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-ICB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110375
Date Received: Nov 06, 2024
Date Reported: Nov 15, 2024
Report Number : 3163511-1

Page 3 of 3

Sample No. : 24110375-32
Parameter : เสียงรบกวน
Location : N5 : ห้างไนท์บาซาร์ (น. 2 แลนด์เฮลธ์) (GPS 47P 0715682, 1441383)
Measurement Date : Oct 29 - 30, 2024
Measurement by : Santi Chakchana
Sound Level Meter : 01222716

Sound Level Meter		01222716		ตามเงื่อนไข (dB(A))				
เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน ไม่มีการจราจร	เสียงรบกวนจากการจราจร		เสียงทั้งหมด	ค่าระดับ		
			กลางวัน	กลางคืน				
04:05 AM - 04:10 AM	51.6	46.4	-	54.3	48.0	0.5		
04:10 AM - 04:15 AM	47.1	47.5	-	n/a	47.1	-		
04:15 AM - 04:20 AM	47.0	47.0	-	n/a	46.1	-		
04:20 AM - 04:25 AM	47.6	47.4	-	n/a	37.1	-8.4		
04:25 AM - 04:30 AM	46.1	47.7	-	n/a	40.5	-6.4		
04:30 AM - 04:35 AM	47.5	47.5	-	n/a	46.7	-		
04:35 AM - 04:40 AM	47.6	47.6	-	n/a	46.9	-		
04:40 AM - 04:45 AM	47.9	47.9	-	n/a	46.9	-		
04:45 AM - 04:50 AM	49.3	48.0	-	n/a	46.9	-6.5		
04:50 AM - 04:55 AM	49.4	47.8	-	n/a	47.3	0.5		
04:55 AM - 05:00 AM	49.3	47.3	-	n/a	48.0	-4.5		
05:00 AM - 05:05 AM	48.3	47.3	-	n/a	44.4	-6.2		
05:05 AM - 05:10 AM	46.2	50.1	-	n/a	48.6	-		
05:10 AM - 05:15 AM	47.5	53.2	-	n/a	50.6	-		
05:15 AM - 05:20 AM	47.6	53.0	-	n/a	51.6	-		
05:20 AM - 05:25 AM	47.2	53.2	-	n/a	52.3	-		
05:25 AM - 05:30 AM	47.1	53.0	-	n/a	53.0	-		
05:30 AM - 05:35 AM	47.5	52.3	-	n/a	51.8	-		
05:35 AM - 05:40 AM	47.1	53.1	-	n/a	52.2	-		
05:40 AM - 05:45 AM	51.7	50.6	-	n/a	48.5	-6.3		
05:45 AM - 05:50 AM	55.5	48.5	-	n/a	52.5	10.7		
05:50 AM - 05:55 AM	46.5	47.7	-	n/a	46.9	-		
05:55 AM - 06:00 AM	45.9	48.5	-	n/a	46.1	-		
06:00 AM - 07:00 AM	46.6	49.6	-	n/a	47.7	-		
07:00 AM - 08:00 AM	44.2	47.9	-	n/a	46.6	-		
08:00 AM - 09:00 AM	42.4	52.0	n/a	-	47.9	-		
09:00 AM - 10:00 AM	45.4	45.7	n/a	-	48.0	-		
10:00 AM - 11:00 AM	41.5	42.3	n/a	-	38.1	-		
11:00 AM - 12:00 PM	39.1	50.2	n/a	-	36.3	-		
12:00 PM - 03:00 PM	28.9	42.7	n/a	-	35.4	-		
03:00 PM - 07:00 PM	44.4	42.1	n/a	-	36.3	-		
07:00 PM - 09:00 PM	37.3	39.0	46.6	-	36.2	10.4		



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italthai Tower, New Petchburi Road, Bangkok, Huaykang, Bangkok
Thailand 10310
P/O : RUN-LCB-033/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110375
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163512-1

Page 1 of 3

Sample No. : 24110375-33
Parameter : เสียงรบกวน
Location : NS : ห้างไนท์ลิ้งค์ (ม. 2 ระยอง) (GPS 47P 0715682, 1441383)
Measurement Date : Oct 30 - 31, 2024
Measurement by : Santi Chachana
Sound Level Meter : 01222716

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	เสียงรบกวนการจราจร		เสียงพื้นราบ	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:00 PM - 04:00 PM	46.5	41.4	44.9	-	36.0	8.9
04:00 PM - 05:00 PM	49.6	49.7	n/a	-	36.2	-
05:00 PM - 06:00 PM	50.7	45.5	49.1	-	42.5	6.6
06:00 PM - 07:00 PM	53.3	49.7	50.8	-	46.7	2.1
07:00 PM - 08:00 PM	51.9	51.0	44.6	-	50.4	-5.9
08:00 PM - 09:00 PM	48.7	51.3	n/a	-	50.7	-
09:00 PM - 10:00 PM	46.9	50.6	n/a	-	50.0	-
10:00 PM - 10:05 PM	51.2	49.5	-	49.3	48.9	0.4
10:05 PM - 10:10 PM	51.2	49	-	50.3	48.2	2.1
10:10 PM - 10:15 PM	51.2	49.2	-	49.9	48.5	1.3
10:15 PM - 10:20 PM	51.2	49.4	-	49.5	48.4	0.7
10:20 PM - 10:25 PM	51.3	49.1	-	50.3	48.5	1.8
10:25 PM - 10:30 PM	51.1	49.2	-	49.6	48.5	1.1
10:30 PM - 10:35 PM	51.1	49.0	-	49.9	48.4	1.5
10:35 PM - 10:40 PM	51.0	48	-	50.0	48.1	1.9
10:40 PM - 10:45 PM	50.6	49.3	-	47.7	48.2	-0.5
10:45 PM - 10:50 PM	50.8	49.0	-	49.1	48.2	0.8
10:50 PM - 10:55 PM	50.6	49.1	-	48.3	48.5	-0.7
10:55 PM - 11:00 PM	50.5	49.8	-	45.2	48	-3.6
11:00 PM - 11:05 PM	50.2	48	-	48.9	48.7	-3.8
11:05 PM - 11:10 PM	50.3	48.5	-	46.6	45.9	0.7
11:10 PM - 11:15 PM	50.4	48.9	-	48.1	48.3	-0.2
11:15 PM - 11:20 PM	50.1	48.9	-	46.9	48.2	-1.4
11:20 PM - 11:25 PM	50.4	49.4	-	46.5	48.4	-1.9
11:25 PM - 11:30 PM	50.4	49.1	-	47.5	48.1	-0.6
11:30 PM - 11:35 PM	47.6	49.1	-	n/a	48.0	-
11:35 PM - 11:40 PM	50.6	46.2	-	48.9	47.5	2.4
11:40 PM - 11:45 PM	51.4	47.1	-	52.4	46.7	6.1
11:45 PM - 11:50 PM	51.2	46.9	-	52.2	46.1	6.1
11:50 PM - 11:55 PM	51.2	46.7	-	52.3	46.2	6.1
11:55 PM - 12:00 AM	51.1	46.5	-	52.3	46.0	6.3
12:00 AM - 12:05 AM	51.5	46.7	-	52.8	45.9	6.9
12:05 AM - 12:10 AM	51.0	45.9	-	52.4	45.5	6.9
12:10 AM - 12:15 AM	51.6	46.0	-	51.2	45.1	7.9
12:15 AM - 12:20 AM	51.9	46.0	-	51.6	45.5	8.1
12:20 AM - 12:25 AM	51.9	46.1	-	53.6	45.4	8.2
12:25 AM - 12:30 AM	52.3	47.3	-	51.5	46.4	6.9
12:30 AM - 12:35 AM	52.3	47.0	-	52.9	46.4	6.5
12:35 AM - 12:40 AM	51.3	46.8	-	52.4	46.3	6.1
12:40 AM - 12:45 AM	51.0	46.8	-	51.9	46.2	5.7

Approved by

Wibb.
Wibwan Borirak
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italthai Tower, New Petchburi Road, Bangkok, Huaykang, Bangkok
Thailand 10310
P/O : RUN-LCB-033/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110375
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163512-1

Page 2 of 3

Sample No. : 24110375-33
Parameter : เสียงรบกวน
Location : NS : ห้างไนท์ลิ้งค์ (ม. 2 ระยอง) (GPS 47P 0715682, 1441383)
Measurement Date : Oct 30 - 31, 2024
Measurement by : Santi Chachana
Sound Level Meter : 01222716

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	เสียงรบกวนการจราจร		เสียงพื้นราบ	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
04:05 AM - 04:10 AM	50.6	48.3	-	49.7	48.3	3.0
04:10 AM - 04:15 AM	50.6	48.3	-	48.1	48.3	1.3
04:15 AM - 04:20 AM	45.0	48.1	-	n/a	47.0	-
04:20 AM - 04:25 AM	45.7	48.2	-	n/a	47.1	-
04:25 AM - 04:30 AM	47.8	48.1	-	n/a	47.1	-
04:30 AM - 04:35 AM	46.8	47.9	-	n/a	47.0	-
04:35 AM - 04:40 AM	47.4	47.9	-	n/a	47.2	-
04:40 AM - 04:45 AM	47.8	48.3	-	n/a	47.3	-
04:45 AM - 04:50 AM	46.5	47.7	-	n/a	47.0	-
04:50 AM - 04:55 AM	45.4	47.6	-	n/a	47.0	-
04:55 AM - 05:00 AM	43.7	46.6	-	n/a	47.6	-
05:00 AM - 05:05 AM	46.1	49.2	-	n/a	48.4	-
05:05 AM - 05:10 AM	46.3	49.6	-	n/a	47.9	-
05:10 AM - 05:15 AM	45.7	49.7	-	n/a	47.9	-
05:15 AM - 05:20 AM	46.1	49.8	-	n/a	47.3	-
05:20 AM - 05:25 AM	43.3	49.6	-	n/a	48.0	-
05:25 AM - 05:30 AM	49.3	49.3	-	n/a	47.8	-
05:30 AM - 05:35 AM	48.2	49.9	-	n/a	47.5	-
05:35 AM - 05:40 AM	47.9	49.4	-	n/a	47.4	-
05:40 AM - 05:45 AM	39.6	50.1	-	n/a	48.5	-
05:45 AM - 05:50 AM	43.9	49.2	-	n/a	48.0	-
05:50 AM - 05:55 AM	43.7	48.9	-	n/a	47.8	-
05:55 AM - 06:00 AM	43.9	48.5	-	n/a	47.6	-
06:00 AM - 07:00 AM	44.4	48.3	n/a	-	45.5	-
07:00 AM - 08:00 AM	43.8	45.4	n/a	-	42.4	-
08:00 AM - 09:00 AM	45.2	45.3	n/a	-	38.4	-
09:00 AM - 10:00 AM	41.4	44.5	n/a	-	29.6	-
10:00 AM - 11:00 AM	41.0	44.4	n/a	-	32.1	-
11:00 AM - 12:00 PM	42.1	42.1	n/a	-	32.3	-
12:00 PM - 01:00 PM	40.7	42.8	n/a	-	35.3	-
01:00 PM - 02:00 PM	40.7	43.8	n/a	-	35.7	-
02:00 PM - 03:00 PM	43.8	41.1	40.5	-	37.3	3.2

Reference Method :
1. ISO 1996-1
2. วิธีการทดสอบเสียงรบกวน (หรือ) วิธีการการวัดเสียงรบกวนตามระบบเสียงระดับ 24 ชั่วโมง และระดับเสียงรบกวนโดยพิจารณาจาก พ.ศ. 2567
หมายเหตุ :
1. วิธีการทดสอบเสียงรบกวน (หรือ) วิธีการการวัดเสียงรบกวนตามระบบเสียงระดับ 24 ชั่วโมง และระดับเสียงรบกวนโดยพิจารณาจาก พ.ศ. 2567
2. วิธีการทดสอบเสียงรบกวน (หรือ) วิธีการการวัดเสียงรบกวนตามระบบเสียงระดับ 24 ชั่วโมง และระดับเสียงรบกวนโดยพิจารณาจาก พ.ศ. 2567
3. วิธีการทดสอบเสียงรบกวน (หรือ) วิธีการการวัดเสียงรบกวนตามระบบเสียงระดับ 24 ชั่วโมง และระดับเสียงรบกวนโดยพิจารณาจาก พ.ศ. 2567

Approved by

Wibb.
Wibwan Borirak
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italthai Tower, New Petchburi Road, Bangkok, Huaykang, Bangkok
Thailand 10310
P/O : RUN-LCB-033/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110375
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163512-1

Page 2 of 3

Sample No. : 24110375-33
Parameter : เสียงรบกวน
Location : NS : ห้างไนท์ลิ้งค์ (ม. 2 ระยอง) (GPS 47P 0715682, 1441383)
Measurement Date : Oct 30 - 31, 2024
Measurement by : Santi Chachana
Sound Level Meter : 01222716

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	เสียงรบกวนการจราจร		เสียงพื้นราบ	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:45 AM - 12:50 AM	50.5	47.4	-	50.6	46.7	3.9
12:50 AM - 12:55 AM	49.8	46.9	-	49.7	46.3	3.4
12:55 AM - 01:00 AM	49.1	46.8	-	49.6	46.2	3.4
01:00 AM - 01:05 AM	49.5	47.0	-	48.9	46.2	2.7
01:05 AM - 01:10 AM	49.2	46.6	-	48.7	45.9	2.8
01:10 AM - 01:15 AM	49.3	47.0	-	48.4	46.0	3.4
01:15 AM - 01:20 AM	49.2	47.1	-	48.0	46.3	1.7
01:20 AM - 01:25 AM	49.3	47.1	-	46.7	46.2	1.5
01:25 AM - 01:30 AM	50.5	46.8	-	51.1	46.2	4.9
01:30 AM - 01:35 AM	49.1	46.6	-	49.8	46.2	3.6
01:35 AM - 01:40 AM	49.2	47.2	-	47.9	46.2	1.7
01:40 AM - 01:45 AM	49.5	47.4	-	48.3	46.6	1.7
01:45 AM - 01:50 AM	47.6	47.2	-	48.0	46.7	4.7
01:50 AM - 01:55 AM	48.3	47.4	-	44.0	46.8	-2.8
01:55 AM - 02:00 AM	48.6	46.9	-	46.7	45.9	0.8
02:00 AM - 02:05 AM	47.3	47.2	-	31.9	45.9	-12.0
02:05 AM - 02:10 AM	47.3	46.6	-	42.0	45.9	-3.9
02:10 AM - 02:15 AM	47.5	46.3	-	44.3	45.7	-1.4
02:15 AM - 02:20 AM	47.3	46.4	-	43.8	45.0	-2.8
02:20 AM - 02:25 AM	46.7	46.8	-	40.6	45.1	-
02:25 AM - 02:30 AM	47.3	46.3	-	43.4	45.6	-2.2
02:30 AM - 02:35 AM	49.0	47.7	-	46.1	46.0	0.1
02:35 AM - 02:40 AM	49.2	47.5	-	44.3	46.5	4.6
02:40 AM - 02:45 AM	48.5	47.3	-	46.2	46.6	1.6
02:45 AM - 02:50 AM	48.1	48.5	-	43.3	47.6	-15.3
02:50 AM - 02:55 AM	47.7	48.7	-	39.8	47.6	-
02:55 AM - 03:00 AM	48.1	48.6	-	38.3	47.9	-9.6
03:00 AM - 03:05 AM	48.4	48.2	-	42.9	47.5	-4.6
03:05 AM - 03:10 AM	49.6	47.5	-	48.4	46.7	-
03:10 AM - 03:15 AM	49.1	47.2	-	46.4	46.8	0.8
03:15 AM - 03:20 AM	49.5	47.0	-	46.7	46.3	2.6
03:20 AM - 03:25 AM	48.1	46.8	-	45.2	45.9	-0.7
03:25 AM - 03:30 AM	48.6	47.4	-	42.6	46.4	1.9
03:30 AM - 03:35 AM	47.2	46.9	-	47.6	46.1	1.5
03:35 AM - 03:40 AM	47.2	47.2	-	n/a	46.3	-
03:40 AM - 03:45 AM	48.6	47.0	-	45.5	46.3	0.2
03:45 AM - 03:50 AM	48.3	48.3	-	47.3	47.3	-
03:50 AM - 03:55 AM	52.7	48.1	-	53.9	46.8	7.1
03:55 AM - 04:00 AM	49.0	48.3	-	43.7	46.6	-2.9
04:00 AM - 04:05 AM	46.6	48.3	-	n/a	47.1	-

Approved by

Wibb.
Wibwan Borirak
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110375
Date Received: Nov 06, 2024
Date Reported: Nov 15, 2024
Report Number : 3163513-1

Sample No. : 24110375-34
Parameter : เลื่อนทวน
Location : NS : ย่านโหนด (น. 2 ละติจูด) (GPS 47P 0715682, 1441383)
Measurement Date : Oct 31 - Nov 01, 2024
Measurement by : Sam Chachana
Sound Level Meter : 01222716

Page 2 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงสะท้อน	เสียงรบกวนจากกิจกรรม		เสียงพื้นฐาน	ค่ารวม
			ภายใน	ภายนอก		
12:45 AM - 12:50 AM	45.8	47.1	-	n/a	46.1	-
12:50 AM - 12:55 AM	45.8	46.9	-	n/a	46.0	-
12:55 AM - 01:00 AM	46.0	47.0	-	n/a	46.3	-
01:00 AM - 01:05 AM	45.6	46.5	-	n/a	45.8	-
01:05 AM - 01:10 AM	45.3	46.4	-	n/a	45.7	-
01:10 AM - 01:15 AM	45.3	46.8	-	n/a	45.0	-
01:15 AM - 01:20 AM	46.0	46.2	-	n/a	45.5	-
01:20 AM - 01:25 AM	46.2	46.7	-	n/a	45.3	-
01:25 AM - 01:30 AM	46.1	45.6	-	n/a	44.9	-5.3
01:30 AM - 01:35 AM	46.9	45.2	-	45.0	44.5	0.5
01:35 AM - 01:40 AM	45.2	45.4	-	36.9	44.8	-7.9
01:40 AM - 01:45 AM	45.5	46.0	-	n/a	44.6	-
01:45 AM - 01:50 AM	45.1	45.1	-	n/a	44.6	-
01:50 AM - 01:55 AM	44.7	44.9	-	n/a	44.4	-
01:55 AM - 02:00 AM	44.2	46.2	-	n/a	44.0	-
02:00 AM - 02:05 AM	46.1	44.7	-	45.5	44.2	-0.7
02:05 AM - 02:10 AM	45.8	44.8	-	41.9	44.3	-2.4
02:10 AM - 02:15 AM	45.9	45.5	-	38.3	44.6	-6.3
02:15 AM - 02:20 AM	46.8	45.5	-	45.9	43.7	-2.7
02:20 AM - 02:25 AM	47.5	44.0	-	40.9	43.5	4.4
02:25 AM - 02:30 AM	45.5	44.9	-	39.6	44.2	-4.6
02:30 AM - 02:35 AM	45.2	45.4	-	36.9	45.5	-7.6
02:35 AM - 02:40 AM	45.7	45.7	-	n/a	45.0	-
02:40 AM - 02:45 AM	45.7	46.7	-	n/a	45.7	-
02:45 AM - 02:50 AM	45.8	45.8	-	32.5	45.0	-12.5
02:50 AM - 02:55 AM	45.7	45.3	-	38.1	44.7	-4.6
02:55 AM - 03:00 AM	46.2	45.5	-	43.5	44.8	-1.3
03:00 AM - 03:05 AM	46.1	45.3	-	41.4	44.8	-3.4
03:05 AM - 03:10 AM	46.3	46.0	-	37.5	45.1	-7.6
03:10 AM - 03:15 AM	47.3	46.1	-	44.1	45.5	-1.4
03:15 AM - 03:20 AM	47.9	45.9	-	46.6	45.1	1.5
03:20 AM - 03:25 AM	45.9	45.9	-	45.9	45.8	0.6
03:25 AM - 03:30 AM	45.1	45.6	-	n/a	44.8	-
03:30 AM - 03:35 AM	45.4	45.5	-	n/a	44.7	-
03:35 AM - 03:40 AM	46.8	45.6	-	41.6	44.9	-1.3
03:40 AM - 03:45 AM	47.0	46.0	-	42.1	45.9	-2.3
03:45 AM - 03:50 AM	46.4	46.2	-	47.4	45.6	1.8
03:50 AM - 03:55 AM	48.6	46.6	-	46.1	45.3	2.8
03:55 AM - 04:00 AM	46.3	46.6	-	46.3	45.8	0.6
04:00 AM - 04:05 AM	46.8	46.4	-	46.1	45.5	2.6

The above results are valid only for the specified test conditions. Any deviation from the specified test conditions may affect the results. The results are for information only and should not be used for legal purposes.

Approved by

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Wibab Borik
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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110375
Date Received: Nov 06, 2024
Date Reported: Nov 15, 2024
Report Number : 3163513-1

Sample No. : 24110375-35
Parameter : เลื่อนทวน
Location : NS : ย่านโหนด (น. 2 ละติจูด) (GPS 47P 0715682, 1441383)
Measurement Date : Nov 01 - 02, 2024
Measurement by : Sam Chachana
Sound Level Meter : 01222716

Page 1 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงสะท้อน	เสียงรบกวนจากกิจกรรม		เสียงพื้นฐาน	ค่ารวม
			ภายใน	ภายนอก		
03:05 PM - 04:00 PM	49.1	44.8	47.1	-	39.2	7.9
04:00 PM - 05:00 PM	50.0	46.0	48.1	-	40.3	4.6
05:00 PM - 06:00 PM	50.3	46.4	48.0	-	44.5	3.5
06:00 PM - 07:00 PM	49.8	50.0	n/a	-	48.2	-
07:00 PM - 08:00 PM	49.1	50.0	n/a	-	49.4	-
08:00 PM - 09:00 PM	49.6	49.8	n/a	-	48.9	-
09:00 PM - 10:00 PM	48.5	48.5	n/a	-	48.0	-
10:00 PM - 10:05 PM	47.1	47.4	-	n/a	46.8	-
10:05 PM - 10:10 PM	47.1	46.6	-	n/a	47.3	-
10:10 PM - 10:15 PM	47.2	47.4	-	39.4	47.1	-9.7
10:15 PM - 10:20 PM	46.7	47.4	-	n/a	46.8	-
10:20 PM - 10:25 PM	46.9	47.4	-	n/a	46.7	-1.7
10:25 PM - 10:30 PM	46.2	47.0	-	53.7	46.8	4.9
10:30 PM - 10:35 PM	51.1	47.4	-	45.4	47.0	-1.6
10:35 PM - 10:40 PM	48.6	47.4	-	45.4	47.3	-1.2
10:40 PM - 10:45 PM	46.0	47.7	-	46.2	47.5	-1.3
10:45 PM - 10:50 PM	49.4	46.2	-	46.2	47.2	-
10:50 PM - 10:55 PM	47.8	48.3	-	n/a	47.6	-
10:55 PM - 11:00 PM	47.1	46.3	-	n/a	47.4	-
11:00 PM - 11:05 PM	47.1	48.4	-	n/a	47.4	-
11:05 PM - 11:10 PM	47.4	49.3	-	n/a	48.4	-
11:10 PM - 11:15 PM	46.5	49.1	-	n/a	48.4	-
11:15 PM - 11:20 PM	46.6	49.6	-	n/a	49.2	-
11:20 PM - 11:25 PM	45.7	50.0	-	n/a	48.7	-
11:25 PM - 11:30 PM	46.3	49.3	-	n/a	48.7	-
11:30 PM - 11:35 PM	46.3	49.3	-	n/a	48.8	-
11:35 PM - 11:40 PM	47.5	49.3	-	n/a	48.4	-
11:40 PM - 11:45 PM	47.1	48.9	-	n/a	48.2	-
11:45 PM - 11:50 PM	47.0	48.0	-	n/a	47.3	-
11:50 PM - 11:55 PM	47.0	48.0	-	n/a	47.4	-
11:55 PM - 12:00 AM	46.5	47.9	-	n/a	47.3	-
12:00 AM - 12:05 AM	46.6	46.1	-	n/a	47.3	-
12:05 AM - 12:10 AM	47.7	46.1	-	n/a	47.3	-
12:10 AM - 12:15 AM	48.2	46.2	-	n/a	46.1	-
12:15 AM - 12:20 AM	47.0	47.5	-	n/a	46.5	-
12:20 AM - 12:25 AM	46.0	46.9	-	n/a	46.3	-
12:25 AM - 12:30 AM	46.3	46.6	-	n/a	46.0	-
12:30 AM - 12:35 AM	47.3	47.1	-	38.8	46.3	-9.5
12:35 AM - 12:40 AM	45.5	46.0	-	n/a	46.3	-
12:40 AM - 12:45 AM	46.7	47.7	-	n/a	46.0	-

The above results are valid only for the specified test conditions. Any deviation from the specified test conditions may affect the results. The results are for information only and should not be used for legal purposes.

Approved by

Wibab
Wibab Borik
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110375
Date Received: Nov 06, 2024
Date Reported: Nov 15, 2024
Report Number : 3163513-1

Sample No. : 24110375-34
Parameter : เลื่อนทวน
Location : NS : ย่านโหนด (น. 2 ละติจูด) (GPS 47P 0715682, 1441383)
Measurement Date : Oct 31 - Nov 01, 2024
Measurement by : Sam Chachana
Sound Level Meter : 01222716

Page 3 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงสะท้อน	เสียงรบกวนจากกิจกรรม		เสียงพื้นฐาน	ค่ารวม
			ภายใน	ภายนอก		
04:05 AM - 04:10 AM	49.1	46.2	-	-	49.0	45.5
04:10 AM - 04:15 AM	50.1	46.8	-	-	50.4	45.9
04:15 AM - 04:20 AM	49.1	46.5	-	-	48.6	45.7
04:20 AM - 04:25 AM	49.4	46.5	-	-	50.2	45.7
04:25 AM - 04:30 AM	49.6	47.4	-	-	48.5	46.3
04:30 AM - 04:35 AM	48.2	46.9	-	-	47.2	46.6
04:35 AM - 04:40 AM	48.2	48.1	-	-	34.8	47.5
04:40 AM - 04:45 AM	46.5	48.2	-	-	n/a	47.6
04:45 AM - 04:50 AM	46.6	48.2	-	-	n/a	47.7
04:50 AM - 04:55 AM	46.0	48.0	-	-	n/a	47.1
04:55 AM - 05:00 AM	46.5	47.7	-	-	n/a	47.1
05:00 AM - 05:05 AM	45.0	47.6	-	-	n/a	46.9
05:05 AM - 05:10 AM	44.7	47.7	-	-	n/a	47.0
05:10 AM - 05:15 AM	43.7	48.1	-	-	n/a	47.5
05:15 AM - 05:20 AM	45.8	47.2	-	-	n/a	47.1
05:20 AM - 05:25 AM	45.2	44.5	-	-	n/a	47.5
05:25 AM - 05:30 AM	43.5	49.2	-	-	n/a	47.1
05:30 AM - 05:35 AM	48.5	48.1	-	-	38.0	47.3
05:35 AM - 05:40 AM	43.2	48.8	-	-	n/a	47.8
05:40 AM - 05:45 AM	42.3	49.7	-	-	n/a	48.1
05:45 AM - 05:50 AM	41.3	48.8	-	-	n/a	46.9
05:50 AM - 05:55 AM	42.5	47.5	-	-	n/a	46.2
05:55 AM - 06:00 AM	42.8	48.0	-	-	n/a	46.0
06:00 AM - 07:00 AM	41.7	48.9	n/a	-	n/a	47.4
07:00 AM - 08:00 AM	41.3	45.6	n/a	-	43.5	-
08:00 AM - 09:00 AM	38.5	41.2	n/a	-	38.7	-
09:00 AM - 10:00 AM	38.5	41.2	n/a	-	37.9	-
10:00 AM - 11:00 AM	38.9	41.4	n/a	-	37.9	-
11:00 AM - 12:00 PM	39.0	39.2	n/a	-	36.3	-
12:00 PM - 01:00 PM	41.4	39.4	-	-	37.1	1.2
01:00 PM - 02:00 PM	44.0	39.9	-	-	41.9	3.9
02:00 PM - 03:00 PM	47.3	38.6	46.7	-	36.3	10.4

Reference Method :

1. ISO 1996-1

2. ประกาศกระทรวงมหาดไทย เรื่อง วิธีการวัดระดับเสียงจากภายนอกอาคาร ระดับเสียง 24 ชั่วโมง และระดับเสียงจากกิจกรรมภายในอาคาร พ.ศ. 2567

หมายเหตุ :

1. ข้อมูลการตรวจวัดเสียงจากภายนอกอาคาร (ค่าเฉลี่ย) ระดับเสียงจากกิจกรรมภายในอาคาร พ.ศ. 2568

2. ข้อมูลการตรวจวัดเสียงจากภายนอกอาคาร (ค่าเฉลี่ย) ระดับเสียงจากกิจกรรมภายในอาคาร พ.ศ. 2561

Remark :

1. ระดับเสียงจากภายนอกอาคาร พ.ศ. 2561

2. ระดับเสียงจากภายนอกอาคาร พ.ศ. 2568

3. ข้อมูลการตรวจวัดเสียงจากภายนอกอาคาร (ค่าเฉลี่ย) ระดับเสียงจากกิจกรรมภายในอาคาร พ.ศ. 2561

Remark :

1. ระดับเสียงจากภายนอกอาคาร พ.ศ. 2561

2. ระดับเสียงจากภายนอกอาคาร พ.ศ. 2568

3. ข้อมูลการตรวจวัดเสียงจากภายนอกอาคาร (ค่าเฉลี่ย) ระดับเสียงจากกิจกรรมภายในอาคาร พ.ศ. 2561

Remark :

1. ระดับเสียงจากภายนอกอาคาร พ.ศ. 2561

2. ระดับเสียงจากภายนอกอาคาร พ.ศ. 2568

3. ข้อมูลการตรวจวัดเสียงจากภายนอกอาคาร (ค่าเฉลี่ย) ระดับเสียงจากกิจกรรมภายในอาคาร พ.ศ. 2561

Remark :

1. ระดับเสียงจากภายนอกอาคาร พ.ศ. 2561

2. ระดับเสียงจากภายนอกอาคาร พ.ศ. 2568

3. ข้อมูลการตรวจวัดเสียงจากภายนอกอาคาร (ค่าเฉลี่ย) ระดับเสียงจากกิจกรรมภายในอาคาร พ.ศ. 2561

Remark :

1. ระดับเสียงจากภายนอกอาคาร พ.ศ. 2561

2. ระดับเสียงจากภายนอกอาคาร พ.ศ. 2568

3. ข้อมูลการตรวจวัดเสียงจากภายนอกอาคาร (ค่าเฉลี่ย) ระดับเสียงจากกิจกรรมภายในอาคาร พ.ศ. 2561

Remark :

1. ระดับเสียงจากภายนอกอาคาร พ.ศ. 2561

2. ระดับเสียงจากภายนอกอาคาร พ.ศ. 2568

3. ข้อมูลการตรวจวัดเสียงจากภายนอกอาคาร (ค่าเฉลี่ย) ระดับเสียงจากกิจกรรมภายในอาคาร พ.ศ. 2561

Remark :

1. ระดับเสียงจากภายนอกอาคาร พ.ศ. 2561

2. ระดับเสียงจากภายนอกอาคาร พ.ศ. 2568

3. ข้อมูลการตรวจวัดเสียงจากภายนอกอาคาร (ค่าเฉลี่ย) ระดับเสียงจากกิจกรรมภายในอาคาร พ.ศ. 2561

Remark :

1. ระดับเสียงจากภายนอกอาคาร พ.ศ. 2561

2. ระดับเสียงจากภายนอกอาคาร พ.ศ. 2568

3. ข้อมูลการตรวจวัดเสียงจากภายนอกอาคาร (ค่าเฉลี่ย) ระดับเสียงจากกิจกรรมภายในอาคาร พ.ศ. 2561

Remark :

1. ระดับเสียงจากภายนอกอาคาร พ.ศ. 2561

2. ระดับเสียงจากภายนอกอาคาร พ.ศ. 2568

3. ข้อมูลการตรวจวัดเสียงจากภายนอกอาคาร (ค่าเฉลี่ย) ระดับเสียงจากกิจกรรมภายในอาคาร พ.ศ. 2561

Remark :

1. ระดับเสียงจากภายนอกอาคาร พ.



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italtai Town, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJA-LCB-033166
Project Name : Laemchabang
Project Location :

Lot ID: 24110375
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report Number : 3163514-1

Page 3 of 3

Sample No. : 24110375-35
Parameter : เสียงรบกวน
Location : N5 : ซอยนาโหนด (ม. 2 แขวงถนนสุขุมวิท) (GPS 47P 0715682, 1441383)
Measurement Date : Nov 01 - 02, 2024
Measurement by : Sani Chachana
Sound Level Meter : 01222716

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนในทิศทางตาม	เสียงรบกวนในทิศทางตาม	เสียงรบกวนในทิศทางตาม	เสียงรบกวน	ค่าเฉลี่ย
04:05 AM - 04:10 AM	48.3	46.5	-	47.7	45.1	2.6
04:10 AM - 04:15 AM	47.4	45.9	-	45.1	45.0	0.1
04:15 AM - 04:20 AM	49.3	46.8	-	46.0	45.4	0.6
04:20 AM - 04:25 AM	47.2	46.8	-	45.6	45.2	-1.6
04:25 AM - 04:30 AM	47.3	46.1	-	43.7	45.5	-1.8
04:30 AM - 04:35 AM	46.6	46.1	-	40.0	45.4	-5.4
04:35 AM - 04:40 AM	46.0	46.4	-	45.9	45.6	0.3
04:40 AM - 04:45 AM	46.4	46.5	-	47.1	45.6	1.5
04:45 AM - 04:50 AM	46.1	46.4	-	n/a	45.8	-
04:50 AM - 04:55 AM	46.3	46.5	-	n/a	45.7	-
04:55 AM - 05:00 AM	47.1	46.6	-	45.5	45.8	-5.3
05:00 AM - 05:05 AM	46.5	46.9	-	n/a	46.2	-
05:05 AM - 05:10 AM	47.6	48.1	-	n/a	45.0	-
05:10 AM - 05:15 AM	47.7	47.8	-	n/a	47.0	-
05:15 AM - 05:20 AM	47.6	48.0	-	n/a	47.1	-
05:20 AM - 05:25 AM	46.2	47.8	-	n/a	47.2	-
05:25 AM - 05:30 AM	46.4	47.5	-	n/a	47.0	-
05:30 AM - 05:35 AM	51.6	47.2	-	51.9	47.6	4.9
05:35 AM - 05:40 AM	50.8	48.5	-	47.9	47.3	2.6
05:40 AM - 05:45 AM	50.5	49.4	-	47.6	47.6	-0.6
05:45 AM - 05:50 AM	48.1	47.8	-	n/a	47.8	-
05:50 AM - 05:55 AM	49.8	47.8	-	48.5	47.1	1.4
05:55 AM - 06:00 AM	50.2	47.4	-	50.0	46.7	3.3
06:00 AM - 07:00 AM	50.7	47.7	47.7	-	46.3	1.4
07:00 AM - 08:00 AM	48.1	46.9	47.9	-	45.1	-3.2
08:00 AM - 09:00 AM	48.4	51.2	n/a	-	47.3	-
09:00 AM - 10:00 AM	45.3	48.8	n/a	-	46.5	-
10:00 AM - 11:00 AM	47.4	48.4	n/a	-	45.3	-
11:00 AM - 12:00 PM	46.6	54.7	n/a	-	44.0	-
12:00 PM - 01:00 PM	47.6	43.5	n/a	-	36.2	-
01:00 PM - 02:00 PM	39.3	42.9	n/a	-	37.1	-
02:00 PM - 03:00 PM	40.1	39.8	38.3	-	37.0	-8.7
ค่าเฉลี่ยรวม						6.10

- Reference Method :
- ISO 1596-1
 - วิธีการวัดและประเมินค่าเสียงรบกวน โดยเสียงรบกวนต่อเนื่อง 24 ชั่วโมง และประเมินผลของเสียงรบกวนจากแหล่งกำเนิดเสียงตาม พ.ร.บ. 2567
- หมายเหตุ :
- วิธีการวัดและประเมินค่าเสียงรบกวน โดย ค่าเฉลี่ยของเสียงรบกวนต่อเนื่อง 24 ชั่วโมง และประเมินผลของเสียงรบกวนจากแหล่งกำเนิดเสียงตาม พ.ร.บ. 2567
 - วิธีการวัดและประเมินค่าเสียงรบกวน โดย ค่าเฉลี่ยของเสียงรบกวนต่อเนื่อง 24 ชั่วโมง และประเมินผลของเสียงรบกวนจากแหล่งกำเนิดเสียงตาม พ.ร.บ. 2567
- หมายเหตุ :
- วิธีการวัดและประเมินค่าเสียงรบกวน โดย ค่าเฉลี่ยของเสียงรบกวนต่อเนื่อง 24 ชั่วโมง และประเมินผลของเสียงรบกวนจากแหล่งกำเนิดเสียงตาม พ.ร.บ. 2567
 - วิธีการวัดและประเมินค่าเสียงรบกวน โดย ค่าเฉลี่ยของเสียงรบกวนต่อเนื่อง 24 ชั่วโมง และประเมินผลของเสียงรบกวนจากแหล่งกำเนิดเสียงตาม พ.ร.บ. 2567

The data and results are valid only for the use and conditions specified in the report. Any use of the data for other purposes is at the user's risk. The user is responsible for the accuracy and validity of the data and results. The user is also responsible for the accuracy and validity of the data and results.

Approved by

Wilawan Borirak
Manager

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Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS FASTER STABLE PEOPLE

ระดับเสี่ยงขณะไม่มีการรบกวน (Shut down)



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towre, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :
Sample No. : 24110378-1
Parameter : Noise
Location : N1 : สวนสาธารณะสวนหลวง รท 2 (GPS 47P 714253, 1442299) (Shut down)
Measurement Date : Oct 26 - 27, 2024
Measurement by : Santi Chalkhana
Sound Level Meter : 01122607

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163517-1

Page 1 of 3

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 PM - 05:00 PM	50.3	67.3	41.0
05:00 PM - 06:00 PM	47.8	64.3	43.0
06:00 PM - 07:00 PM	54.8	70.6	45.4
07:00 PM - 08:00 PM	49.3	69.0	46.1
08:00 PM - 09:00 PM	48.9	64.4	46.2
09:00 PM - 10:00 PM	47.5	67.3	45.8
10:00 PM - 10:05 PM	45.4	49.7	43.9
10:05 PM - 10:10 PM	45.5	62.1	42.8
10:10 PM - 10:15 PM	46.7	64.8	43.1
10:15 PM - 10:20 PM	44.9	52.4	42.4
10:20 PM - 10:25 PM	43.6	51.7	41.0
10:25 PM - 10:30 PM	44.5	46.7	42.5
10:30 PM - 10:35 PM	43.5	48.7	42.2
10:35 PM - 10:40 PM	44.8	52.5	42.0
10:40 PM - 10:45 PM	43.2	48.7	41.1
10:45 PM - 10:50 PM	43.3	41.8	41.2
10:50 PM - 10:55 PM	43.3	46.2	41.7
10:55 PM - 11:00 PM	46.7	60.6	42.5
11:00 PM - 11:05 PM	44.1	49.1	42.0
11:05 PM - 11:10 PM	42.9	48.1	40.4
11:10 PM - 11:15 PM	43.0	41.4	40.4
11:15 PM - 11:20 PM	43.0	46.4	41.4
11:20 PM - 11:25 PM	43.7	54.2	41.6
11:25 PM - 11:30 PM	43.7	46.1	41.4
11:30 PM - 11:35 PM	43.2	49.0	40.9
11:35 PM - 11:40 PM	42.1	47.0	40.1
11:40 PM - 11:45 PM	43.4	53.0	40.4
11:45 PM - 11:50 PM	42.1	46.9	40.9
11:50 PM - 11:55 PM	40.0	58.9	39.9
11:55 PM - 12:00 AM	45.3	56.5	41.7
12:00 AM - 12:05 AM	40.4	47.0	39.8
12:05 AM - 12:10 AM	43.1	49.5	40.5
12:10 AM - 12:15 AM	43.2	51.4	40.8
12:15 AM - 12:20 AM	42.7	52.6	40.2
12:20 AM - 12:25 AM	40.3	46.0	38.4
12:25 AM - 12:30 AM	41.4	49.0	39.2
12:30 AM - 12:35 AM	42.7	57.5	37.8
12:35 AM - 12:40 AM	44.9	56.2	38.4
12:40 AM - 12:45 AM	46.1	53.0	42.0
12:45 AM - 12:50 AM	39.6	45.3	38.6

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Approved by

Wibb.
Wilawan Borik
Manager

101011-616/10 Moo 5 T. Maenam Khu A. Pukdang Rong 21140 Thailand. Phone: +66 0 3304 8555 Fax: +66 0 3304 8556



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towre, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :
Sample No. : 24110378-1
Parameter : Noise
Location : N1 : สวนสาธารณะสวนหลวง รท 2 (GPS 47P 714253, 1442299) (Shut down)
Measurement Date : Oct 26 - 27, 2024
Measurement by : Santi Chalkhana
Sound Level Meter : 01122607

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163517-1

Page 3 of 3

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:10 AM - 04:15 AM	39.0	48.3	37.8
04:15 AM - 04:20 AM	39.0	42.1	36.1
04:20 AM - 04:25 AM	39.1	44.3	38.2
04:25 AM - 04:30 AM	40.3	51.4	38.6
04:30 AM - 04:35 AM	37.4	50.6	37.4
04:35 AM - 04:40 AM	40.8	50.1	34.6
04:40 AM - 04:45 AM	42.0	48.4	39.5
04:45 AM - 04:50 AM	41.7	51.5	37.7
04:50 AM - 04:55 AM	38.1	44.0	37.0
04:55 AM - 05:00 AM	38.3	45.5	37.3
05:00 AM - 05:05 AM	38.3	45.3	36.7
05:05 AM - 05:10 AM	38.7	48.0	37.4
05:10 AM - 05:15 AM	31.9	44.9	37.4
05:15 AM - 05:20 AM	38.8	44.6	37.7
05:20 AM - 05:25 AM	41.1	52.3	39.2
05:25 AM - 05:30 AM	40.3	56.6	39.6
05:30 AM - 05:35 AM	47.6	64.9	39.8
05:35 AM - 05:40 AM	38.9	45.0	37.2
05:40 AM - 05:45 AM	40.1	49.7	38.1
05:45 AM - 05:50 AM	39.4	45.4	37.6
05:50 AM - 05:55 AM	39.2	51.8	37.6
05:55 AM - 06:00 AM	37.8	43.9	36.1
06:00 AM - 07:00 AM	43.2	64.4	39.0
07:00 AM - 08:00 AM	45.5	65.5	40.1
08:00 AM - 09:00 AM	47.6	72.7	40.9
09:00 AM - 10:00 AM	46.1	68.0	39.3
10:00 AM - 11:00 AM	40.9	63.7	41.0
11:00 AM - 12:00 PM	40.7	78.6	40.4
12:00 PM - 01:00 PM	43.2	77.0	37.5
01:00 PM - 02:00 PM	44.0	54.8	38.2
02:00 PM - 03:00 PM	43.5	59.2	38.0
03:00 PM - 04:00 PM	43.1	66.1	39.9

Reference Method :
1. ISO 1996-1
2. ภาวการณ์จราจรและอุตสาหกรรม หรือ ภาวการณ์การจราจรและอุตสาหกรรม ระดับเสียงเกิน 24 ชั่วโมงและระดับเสียงเฉลี่ยต่อชั่วโมงการจราจรและอุตสาหกรรมใน 25%

The data in this report is for the use of the client only. It is not to be used for any other purpose. The data is the property of ALS and is not to be used for any other purpose. The data is the property of ALS and is not to be used for any other purpose.

Approved by

Wibb.
Wilawan Borik
Manager

101011-616/10 Moo 5 T. Maenam Khu A. Pukdang Rong 21140 Thailand. Phone: +66 0 3304 8555 Fax: +66 0 3304 8556



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towre, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :
Sample No. : 24110378-1
Parameter : Noise
Location : N1 : สวนสาธารณะสวนหลวง รท 2 (GPS 47P 714253, 1442299) (Shut down)
Measurement Date : Oct 26 - 27, 2024
Measurement by : Santi Chalkhana
Sound Level Meter : 01122607

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163517-1

Page 2 of 3

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:50 AM - 12:55 AM	42.2	48.8	40.2
12:55 AM - 01:00 AM	41.3	50.0	39.3
01:00 AM - 01:05 AM	39.7	43.3	38.0
01:05 AM - 01:10 AM	43.2	54.5	39.7
01:10 AM - 01:15 AM	42.9	50.3	40.5
01:15 AM - 01:20 AM	46.2	60.4	38.6
01:20 AM - 01:25 AM	47.0	54.0	43.5
01:25 AM - 01:30 AM	43.9	69.5	38.9
01:30 AM - 01:35 AM	38.3	43.3	36.6
01:35 AM - 01:40 AM	38.8	45.9	36.4
01:40 AM - 01:45 AM	37.7	45.0	36.3
01:45 AM - 01:50 AM	41.5	57.9	36.8
01:50 AM - 01:55 AM	41.4	60.0	36.3
01:55 AM - 02:00 AM	42.4	66.0	36.6
02:00 AM - 02:05 AM	43.2	65.5	36.0
02:05 AM - 02:10 AM	47.2	64.5	44.6
02:10 AM - 02:15 AM	40.6	62.7	39.3
02:15 AM - 02:20 AM	41.8	60.8	38.0
02:20 AM - 02:25 AM	40.9	50.1	38.1
02:25 AM - 02:30 AM	38.8	46.1	37.3
02:30 AM - 02:35 AM	37.7	41.1	36.5
02:35 AM - 02:40 AM	39.1	62.6	36.7
02:40 AM - 02:45 AM	39.0	49.3	37.7
02:45 AM - 02:50 AM	41.1	55.8	36.3
02:50 AM - 02:55 AM	40.3	45.3	37.5
02:55 AM - 03:00 AM	40.2	46.3	37.3
03:00 AM - 03:05 AM	40.2	47.0	37.3
03:05 AM - 03:10 AM	39.1	46.1	35.8
03:10 AM - 03:15 AM	38.2	48.2	35.5
03:15 AM - 03:20 AM	44.2	61.1	38.2
03:20 AM - 03:25 AM	41.5	51.5	36.6
03:25 AM - 03:30 AM	31.2	40.5	36.8
03:30 AM - 03:35 AM	39.7	41.6	37.3
03:35 AM - 03:40 AM	39.9	47.9	37.7
03:40 AM - 03:45 AM	40.1	47.1	38.2
03:45 AM - 03:50 AM	38.4	41.4	37.5
03:50 AM - 03:55 AM	46.4	51.1	38.2
03:55 AM - 04:00 AM	31.7	53.1	37.7
04:00 AM - 04:05 AM	31.9	43.9	37.8
04:05 AM - 04:10 AM	38.5	41.7	37.5

The data in this report is for the use of the client only. It is not to be used for any other purpose. The data is the property of ALS and is not to be used for any other purpose. The data is the property of ALS and is not to be used for any other purpose.

Approved by

Wibb.
Wilawan Borik
Manager

101011-616/10 Moo 5 T. Maenam Khu A. Pukdang Rong 21140 Thailand. Phone: +66 0 3304 8555 Fax: +66 0 3304 8556



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towre, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :
Sample No. : 24110378-2
Parameter : Noise
Location : N1 : สวนสาธารณะสวนหลวง รท 2 (GPS 47P 714253, 1442299) (Shut down)
Measurement Date : Oct 27 - 28, 2024
Measurement by : Santi Chalkhana
Sound Level Meter : 01122607

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163518-1

Page 1 of 3

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 PM - 05:00 PM	52.0	75.8	41.9
05:00 PM - 06:00 PM	54.3	79.9	43.3
06:00 PM - 07:00 PM	55.7	83.4	44.9
07:00 PM - 08:00 PM	57.4	78.4	46.3
08:00 PM - 09:00 PM	59.8	81.2	46.2
09:00 PM - 10:00 PM	60.1	79.7	45.0
10:00 PM - 10:05 PM	59.6	67.7	42.7
10:05 PM - 10:10 PM	56.0	65.7	42.7
10:10 PM - 10:15 PM	60.3	67.8	42.2
10:15 PM - 10:20 PM	59.3	71.4	41.3
10:20 PM - 10:25 PM	61.0	67.0	41.0
10:25 PM - 10:30 PM	55.4	64.6	41.2
10:30 PM - 10:35 PM	56.1	65.9	41.8
10:35 PM - 10:40 PM	60.7	66.5	42.0
10:40 PM - 10:45 PM	63.7	68.5	40.4
10:45 PM - 10:50 PM	61.6	67.4	40.3
10:50 PM - 10:55 PM	61.8	67.1	40.6
10:55 PM - 11:00 PM	61.0	67.1	40.9
11:00 PM - 11:05 PM	60.5	75.6	40.6
11:05 PM - 11:10 PM	62.6	68.2	41.4
11:10 PM - 11:15 PM	62.3	67.4	41.6
11:15 PM - 11:20 PM	61.0	75.7	41.2
11:20 PM - 11:25 PM	62.3	67.7	42.2
11:25 PM - 11:30 PM	51.6	67.0	41.1
11:30 PM - 11:35 PM	60.9	67.1	41.3
11:35 PM - 11:40 PM	62.5	77.5	46.0
11:40 PM - 11:45 PM	61.9	76.7	44.2
11:45 PM - 11:50 PM	60.9	66.9	42.4
11:50 PM - 11:55 PM	55.9	66.4	41.6
11:55 PM - 12:00 AM	57.4	65.7	42.6
12:00 AM - 12:05 AM	56.1	65.0	42.2
12:05 AM - 12:10 AM	55.6	64.7	41.8
12:10 AM - 12:15 AM	52.6	69.2	41.8
12:15 AM - 12:20 AM	56.6	77.0	45.9
12:20 AM - 12:25 AM	50.1	67.0	44.3
12:25 AM - 12:30 AM	55.2	65.5	43.4
12:30 AM - 12:35 AM	55.8	66.5	43.2
12:35 AM - 12:40 AM	54.8	66.4	43.0
12:40 AM - 12:45 AM	57.2	65.5	42.5
12:45 AM - 12:50 AM	52.3	65.0	42.2

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Approved by

Wibb.
Wilawan Borik
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/115 26TH Fl. Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemthabang
Project Location : Laemthabang

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163518-1

Sample No. : 24110378-2
Parameter : Noise
Location : N1 : ถนนพหลโยธินกมที่ 2 (GPS 47P 714253, 144299) (Shut down)
Measurement Date : Oct 27 - 28, 2024
Measurement by : Santi Chachana
Sound Level Meter : 01122607

Page 2 of 3

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:50 AM - 12:55 AM	51.1	64.0	42.2
12:55 AM - 01:00 AM	49.3	52.1	41.8
01:00 AM - 01:05 AM	49.9	61.5	41.8
01:05 AM - 01:10 AM	42.6	55.6	41.2
01:10 AM - 01:15 AM	42.6	45.7	41.3
01:15 AM - 01:20 AM	42.2	45.4	40.7
01:20 AM - 01:25 AM	41.8	43.7	40.7
01:25 AM - 01:30 AM	42.7	50.9	41.2
01:30 AM - 01:35 AM	47.4	61.0	41.2
01:35 AM - 01:40 AM	49.1	63.2	41.0
01:40 AM - 01:45 AM	42.8	63.2	40.4
01:45 AM - 01:50 AM	43.0	54.7	40.1
01:50 AM - 01:55 AM	42.5	55.6	40.1
01:55 AM - 02:00 AM	41.6	51.1	39.3
02:00 AM - 02:05 AM	41.7	52.9	37.9
02:05 AM - 02:10 AM	44.3	57.6	37.8
02:10 AM - 02:15 AM	44.0	59.4	37.9
02:15 AM - 02:20 AM	47.6	64.9	39.3
02:20 AM - 02:25 AM	47.3	57.1	40.4
02:25 AM - 02:30 AM	48.5	58.2	40.9
02:30 AM - 02:35 AM	48.1	67.7	41.1
02:35 AM - 02:40 AM	42.4	47.6	41.3
02:40 AM - 02:45 AM	47.6	66.5	42.2
02:45 AM - 02:50 AM	42.0	46.9	41.0
02:50 AM - 02:55 AM	42.1	42.4	41.3
02:55 AM - 03:00 AM	42.6	47.4	41.5
03:00 AM - 03:05 AM	41.7	46.9	41.0
03:05 AM - 03:10 AM	43.0	62.5	40.9
03:10 AM - 03:15 AM	42.3	48.6	41.0
03:15 AM - 03:20 AM	42.8	47.8	41.5
03:20 AM - 03:25 AM	41.3	46.7	41.1
03:25 AM - 03:30 AM	40.7	43.4	39.9
03:30 AM - 03:35 AM	41.0	44.4	40.1
03:35 AM - 03:40 AM	41.2	48.4	40.5
03:40 AM - 03:45 AM	41.5	51.7	40.5
03:45 AM - 03:50 AM	41.4	60.5	40.0
03:50 AM - 03:55 AM	42.1	60.1	40.8
03:55 AM - 04:00 AM	41.9	51.4	40.8
04:00 AM - 04:05 AM	42.3	50.5	41.4
04:05 AM - 04:10 AM	42.7	46.2	41.6

The above results are valid only for the analyzed location. No indication is given for the level of background noise. The results are valid only for the period of measurement. The results are valid only for the period of measurement. The results are valid only for the period of measurement.

Approved by

Wibb.

Wibb. Borik
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/115 26TH Fl. Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemthabang
Project Location : Laemthabang

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163518-1

Sample No. : 24110378-2
Parameter : Noise
Location : N1 : ถนนพหลโยธินกมที่ 2 (GPS 47P 714253, 144299) (Shut down)
Measurement Date : Oct 27 - 28, 2024
Measurement by : Santi Chachana
Sound Level Meter : 01122607

Page 3 of 3

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:10 AM - 04:15 AM	46.6	46.6	41.2
04:15 AM - 04:20 AM	41.5	44.7	40.8
04:20 AM - 04:25 AM	41.6	45.0	40.7
04:25 AM - 04:30 AM	42.9	51.1	41.5
04:30 AM - 04:35 AM	44.6	52.1	42.0
04:35 AM - 04:40 AM	50.5	70.7	41.7
04:40 AM - 04:45 AM	42.8	46.5	41.9
04:45 AM - 04:50 AM	43.3	47.2	42.5
04:50 AM - 04:55 AM	43.7	48.5	42.4
04:55 AM - 05:00 AM	43.0	51.0	41.9
05:00 AM - 05:05 AM	45.5	57.8	42.5
05:05 AM - 05:10 AM	42.7	47.9	41.8
05:10 AM - 05:15 AM	43.0	45.7	42.1
05:15 AM - 05:20 AM	43.4	51.1	42.1
05:20 AM - 05:25 AM	43.1	50.9	41.9
05:25 AM - 05:30 AM	43.7	51.5	42.2
05:30 AM - 05:35 AM	44.1	54.9	42.4
05:35 AM - 05:40 AM	43.7	46.4	42.7
05:40 AM - 05:45 AM	44.1	52.9	43.0
05:45 AM - 05:50 AM	44.8	59.9	42.4
05:50 AM - 05:55 AM	41.1	55.1	42.5
05:55 AM - 06:00 AM	53.9	72.1	42.7
06:00 AM - 07:00 AM	58.6	92.3	42.9
07:00 AM - 08:00 AM	54.4	81.3	45.4
08:00 AM - 09:00 AM	55.4	81.1	43.4
09:00 AM - 10:00 AM	52.6	79.2	42.6
10:00 AM - 11:00 AM	54.1	78.7	46.5
11:00 AM - 12:00 PM	52.4	80.2	43.1
12:00 PM - 01:00 PM	55.6	83.0	39.7
01:00 PM - 02:00 PM	54.7	76.7	40.4
02:00 PM - 03:00 PM	52.6	64.1	40.7
03:00 PM - 04:00 PM	50.1	74.9	39.3

Reference Method :

- ISO 1996-1
- เป็นมาตรฐานของประเทศไทย (ใช้มาตรฐานของประเทศไทยฉบับปรับปรุง 24 ธันวาคม 2559 และฉบับแก้ไขเพิ่มเติมของกรมวิทยาศาสตร์บริการ พ.ศ. 2567)

Approved by

Wibb.

Wibb. Borik
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/115 26TH Fl. Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemthabang
Project Location : Laemthabang

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163518-1

Sample No. : 24110378-3
Parameter : Noise
Location : N1 : ถนนพหลโยธินกมที่ 2 (GPS 47P 714253, 144299) (Shut down)
Measurement Date : Oct 28 - 29, 2024
Measurement by : Santi Chachana
Sound Level Meter : 01122607

Page 1 of 3

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 PM - 05:00 PM	54.8	85.4	40.7
05:00 PM - 06:00 PM	61.4	92.8	44.4
06:00 PM - 07:00 PM	57.8	83.1	41.1
07:00 PM - 08:00 PM	66.0	83.3	50.0
08:00 PM - 09:00 PM	64.8	83.1	53.7
09:00 PM - 10:00 PM	66.1	75.0	57.6
10:00 PM - 10:05 PM	61.7	69.3	54.7
10:05 PM - 10:10 PM	65.5	74.2	57.1
10:10 PM - 10:15 PM	66.0	70.6	60.8
10:15 PM - 10:20 PM	65.7	75.1	55.4
10:20 PM - 10:25 PM	65.1	73.1	56.0
10:25 PM - 10:30 PM	63.0	69.7	50.0
10:30 PM - 10:35 PM	61.8	67.4	54.4
10:35 PM - 10:40 PM	62.4	67.8	51.0
10:40 PM - 10:45 PM	61.7	66.6	50.0
10:45 PM - 10:50 PM	63.0	67.7	57.8
10:50 PM - 10:55 PM	60.7	67.1	46.0
10:55 PM - 11:00 PM	61.8	68.4	45.9
11:00 PM - 11:05 PM	60.5	67.6	45.0
11:05 PM - 11:10 PM	61.8	67.5	46.2
11:10 PM - 11:15 PM	61.8	64.3	51.0
11:15 PM - 11:20 PM	60.1	69.2	46.9
11:20 PM - 11:25 PM	62.1	70.0	50.8
11:25 PM - 11:30 PM	64.5	72.1	60.9
11:30 PM - 11:35 PM	64.1	72.1	61.3
11:35 PM - 11:40 PM	63.6	71.6	46.1
11:40 PM - 11:45 PM	62.4	66.2	44.7
11:45 PM - 11:50 PM	60.1	67.7	46.4
11:50 PM - 11:55 PM	58.8	68.6	45.4
11:55 PM - 12:00 AM	60.1	66.4	50.0
12:00 AM - 12:05 AM	59.9	64.1	47.5
12:05 AM - 12:10 AM	61.2	64.4	46.2
12:10 AM - 12:15 AM	63.5	80.7	50.1
12:15 AM - 12:20 AM	60.0	67.3	45.5
12:20 AM - 12:25 AM	59.1	68.0	42.0
12:25 AM - 12:30 AM	59.1	65.7	42.0
12:30 AM - 12:35 AM	55.6	64.0	41.1
12:35 AM - 12:40 AM	56.5	65.5	42.8
12:40 AM - 12:45 AM	58.4	65.4	47.2
12:45 AM - 12:50 AM	59.1	65.7	45.5

The above results are valid only for the analyzed location. No indication is given for the level of background noise. The results are valid only for the period of measurement. The results are valid only for the period of measurement. The results are valid only for the period of measurement.

Approved by

Wibb.

Wibb. Borik
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/115 26TH Fl. Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemthabang
Project Location : Laemthabang

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163518-1

Sample No. : 24110378-3
Parameter : Noise
Location : N1 : ถนนพหลโยธินกมที่ 2 (GPS 47P 714253, 144299) (Shut down)
Measurement Date : Oct 28 - 29, 2024
Measurement by : Santi Chachana
Sound Level Meter : 01122607

Page 2 of 3

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:50 AM - 12:55 AM	57.2	57.2	42.5
12:55 AM - 01:00 AM	57.3	57.3	42.5
01:00 AM - 01:05 AM	55.4	64.9	42.2
01:05 AM - 01:10 AM	55.3	64.0	43.1
01:10 AM - 01:15 AM	50.0	64.4	43.2
01:15 AM - 01:20 AM	54.4	63.9	45.0
01:20 AM - 01:25 AM	52.7	61.6	44.6
01:25 AM - 01:30 AM	54.3	65.6	44.7
01:30 AM - 01:35 AM	51.3	61.2	43.7
01:35 AM - 01:40 AM	50.7	60.0	43.8
01:40 AM - 01:45 AM	52.0	61.7	44.4
01:45 AM - 01:50 AM	52.7	62.1	44.4
01:50 AM - 01:55 AM	56.5	66.7	44.8
01:55 AM - 02:00 AM	53.7	64.8	42.5
02:00 AM - 02:05 AM	54.8	64.5	44.2
02:05 AM - 02:10 AM	46.6	59.0	43.5
02:10 AM - 02:15 AM	52.7	62.7	44.1
02:15 AM - 02:20 AM	47.6	61.5	43.2
02:20 AM - 02:25 AM	46.0	62.1	42.1
02:25 AM - 02:30 AM	47.5	60.8	43.9
02:30 AM - 02:35 AM	43.5	50.4	42.6
02:35 AM - 02:40 AM	47.1	59.9	42.3
02:40 AM - 02:45 AM	42.7	45.6	41.8
02:45 AM - 02:50 AM	43.1	47.3	41.9
02:50 AM - 02:55 AM	47.8	61.7	42.7
02:55 AM - 03:00 AM	51.1	61.2	42.5
03:00 AM - 03:05 AM	57.7	76.2	41.6
03:05 AM - 03:10 AM	49.1	70.4	39.3
03:10 AM - 03:15 AM	46.9	65.1	39.4
03:15 AM - 03:20 AM	41.7	55.4	39.2
03:20 AM - 03:25 AM	60.3	86.6	36.4
03:25 AM - 03:30 AM	51.3	71.2	37.0
03:30 AM - 03:35 AM	54.6	74.5	37.4
03:35 AM - 03:40 AM	50.5	39.8	37.7
03:40 AM - 03:45 AM	41.2	44.4	36.7
03:45 AM - 03:50 AM	42.8	56.1	38.5
03:50 AM - 03:55 AM	47.3	63.8	38.6
03:55 AM - 04:00 AM	46.5	64.4	38.6
04:00 AM - 04:05 AM	46.3	54.3	38.3
04:05 AM - 04:10 AM	40.4	49.7	37.8

Approved by

Wibb.

Wibb. Borik
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykvang, Bangkok
Thailand 10310

P/O : R/N-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163520-1

Page 1 of 3

Sample No. : 24110378-3
Parameter : Noise
Location : N1 : ถนนพหลโยธิน กม. 2 (GPS 47P 714253, 1442299) (Shut down)
Measurement Date : Oct 28 - 29, 2024
Measurement by : Santi Chachana
Sound Level Meter : 01122607

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:10 AM - 04:15 AM	41.2	58.3	37.7
04:15 AM - 04:20 AM	50.3	65.7	39.4
04:20 AM - 04:25 AM	47.3	64.4	39.1
04:25 AM - 04:30 AM	62.4	65.8	40.6
04:30 AM - 04:35 AM	46.3	63.4	39.4
04:35 AM - 04:40 AM	46.3	65.9	40.6
04:40 AM - 04:45 AM	57.7	73.6	40.1
04:45 AM - 04:50 AM	55.6	69.0	39.7
04:50 AM - 04:55 AM	54.7	69.8	40.3
04:55 AM - 05:00 AM	49.2	64.3	41.0
05:00 AM - 05:05 AM	51.9	77.5	40.6
05:05 AM - 05:10 AM	56.3	76.4	40.5
05:10 AM - 05:15 AM	46.0	64.0	41.5
05:15 AM - 05:20 AM	59.2	77.5	41.1
05:20 AM - 05:25 AM	53.0	71.1	42.2
05:25 AM - 05:30 AM	60.3	84.0	40.8
05:30 AM - 05:35 AM	61.8	83.2	43.2
05:35 AM - 05:40 AM	53.4	71.1	41.4
05:40 AM - 05:45 AM	66.7	86.3	39.4
05:45 AM - 05:50 AM	52.3	67.5	41.0
05:50 AM - 05:55 AM	66.5	81.2	41.9
05:55 AM - 06:00 AM	55.7	76.9	41.5
06:00 AM - 06:05 AM	59.0	83.1	43.7
06:05 AM - 06:10 AM	60.2	84.0	45.3
06:10 AM - 06:15 AM	60.1	86.8	42.0
06:15 AM - 06:20 AM	57.8	80.0	39.2
06:20 AM - 06:25 AM	57.5	74.2	41.5
06:25 AM - 06:30 AM	60.6	86.3	43.2
06:30 AM - 06:35 AM	61.3	75.7	43.8
06:35 AM - 06:40 AM	58.2	74.3	46.3
06:40 AM - 06:45 AM	47.3	62.8	46.3
06:45 AM - 06:50 AM	50.5	73.0	45.5

Reference Method :

- ISO 1996-1
- คู่มือการตรวจประเมินค่าเสียงตามวิธีมาตรฐานของประเทศไทยฉบับ 24 เดือน และวิธีมาตรฐานของสหประชาชาติในการวัดผลกระทบจากเสียงรบกวน ม. 2567

Approved by

Wilawan Borriak
Manager



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykvang, Bangkok
Thailand 10310

P/O : R/N-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163520-1

Page 1 of 3

Sample No. : 24110378-4
Parameter : Noise
Location : N1 : ถนนพหลโยธิน กม. 2 (GPS 47P 714253, 1442299) (Shut down)
Measurement Date : Oct 29 - 30, 2024
Measurement by : Santi Chachana
Sound Level Meter : 01122607

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 PM - 05:00 PM	49.1	71.7	44.9
05:00 PM - 06:00 PM	49.4	74.6	41.1
06:00 PM - 07:00 PM	50.5	77.2	41.8
07:00 PM - 08:00 PM	54.0	77.4	44.8
08:00 PM - 09:00 PM	57.3	85.5	44.0
09:00 PM - 10:00 PM	49.4	73.1	37.2
10:00 PM - 10:05 PM	39.4	46.1	36.6
10:05 PM - 10:10 PM	51.9	69.5	36.7
10:10 PM - 10:15 PM	43.0	61.7	36.3
10:15 PM - 10:20 PM	47.3	65.2	36.5
10:20 PM - 10:25 PM	38.1	47.5	36.0
10:25 PM - 10:30 PM	44.9	64.6	36.3
10:30 PM - 10:35 PM	53.7	75.6	36.4
10:35 PM - 10:40 PM	45.3	55.5	36.7
10:40 PM - 10:45 PM	43.4	59.5	36.6
10:45 PM - 10:50 PM	56.4	70.9	41.2
10:50 PM - 10:55 PM	43.0	63.0	37.2
10:55 PM - 11:00 PM	45.7	64.3	37.8
11:00 PM - 11:05 PM	47.5	65.2	39.6
11:05 PM - 11:10 PM	52.3	69.0	39.6
11:10 PM - 11:15 PM	41.9	57.4	37.8
11:15 PM - 11:20 PM	49.8	64.4	37.7
11:20 PM - 11:25 PM	29.1	52.2	36.3
11:25 PM - 11:30 PM	50.9	64.4	36.2
11:30 PM - 11:35 PM	45.6	64.8	37.0
11:35 PM - 11:40 PM	45.1	61.7	36.4
11:40 PM - 11:45 PM	45.5	65.0	36.6
11:45 PM - 11:50 PM	44.0	62.8	36.3
11:50 PM - 11:55 PM	50.5	66.7	36.8
11:55 PM - 12:00 AM	49.0	70.7	36.4
12:00 AM - 12:05 AM	41.2	65.0	36.6
12:05 AM - 12:10 AM	50.0	66.6	35.8
12:10 AM - 12:15 AM	52.5	69.3	37.0
12:15 AM - 12:20 AM	38.3	49.6	35.4
12:20 AM - 12:25 AM	41.4	58.2	33.4
12:25 AM - 12:30 AM	45.8	63.0	32.8
12:30 AM - 12:35 AM	47.0	67.7	31.3
12:35 AM - 12:40 AM	50.3	67.7	31.1
12:40 AM - 12:45 AM	33.7	44.7	30.7
12:45 AM - 12:50 AM	45.3	66.0	32.4

Approved by

Wilawan Borriak
Manager



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykvang, Bangkok
Thailand 10310

P/O : R/N-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163520-1

Page 2 of 3

Sample No. : 24110378-4
Parameter : Noise
Location : N1 : ถนนพหลโยธิน กม. 2 (GPS 47P 714253, 1442299) (Shut down)
Measurement Date : Oct 29 - 30, 2024
Measurement by : Santi Chachana
Sound Level Meter : 01122607

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
17:50 AM - 17:55 AM	56.0	73.2	32.9
17:55 AM - 18:00 AM	47.6	61.6	32.6
18:00 AM - 18:05 AM	52.5	66.5	32.6
18:05 AM - 18:10 AM	56.2	75.2	34.3
18:10 AM - 18:15 AM	47.3	68.5	33.0
18:15 AM - 18:20 AM	56.2	83.5	33.4
18:20 AM - 18:25 AM	50.1	67.9	32.9
18:25 AM - 18:30 AM	52.4	67.4	35.4
18:30 AM - 18:35 AM	41.4	55.1	35.6
18:35 AM - 18:40 AM	46.9	65.3	40.6
18:40 AM - 18:45 AM	47.3	49.3	41.0
18:45 AM - 18:50 AM	41.0	58.6	48.2
18:50 AM - 18:55 AM	51.0	62.7	46.9
18:55 AM - 19:00 AM	55.3	65.0	48.2
19:00 AM - 19:05 AM	56.7	70.0	51.5
19:05 AM - 19:10 AM	50.0	64.0	52.4
19:10 AM - 19:15 AM	57.6	66.9	50.8
19:15 AM - 19:20 AM	59.6	75.5	45.3
19:20 AM - 19:25 AM	61.6	84.2	42.0
19:25 AM - 19:30 AM	61.9	69.1	59.9
19:30 AM - 19:35 AM	51.9	59.4	46.1
19:35 AM - 19:40 AM	43.0	60.2	38.1
19:40 AM - 19:45 AM	53.0	74.5	38.4
19:45 AM - 19:50 AM	42.9	60.8	37.6
19:50 AM - 19:55 AM	47.6	65.5	39.1
19:55 AM - 20:00 AM	58.6	67.6	44.6
20:00 AM - 20:05 AM	57.1	66.5	44.0
20:05 AM - 20:10 AM	58.9	73.3	44.1
20:10 AM - 20:15 AM	60.5	68.0	45.0
20:15 AM - 20:20 AM	60.7	70.7	46.0
20:20 AM - 20:25 AM	58.7	68.1	52.3
20:25 AM - 20:30 AM	57.7	64.2	52.7
20:30 AM - 20:35 AM	54.9	68.6	47.0
20:35 AM - 20:40 AM	50.2	64.3	44.5
20:40 AM - 20:45 AM	41.8	58.2	46.0
20:45 AM - 20:50 AM	46.3	65.8	40.8
20:50 AM - 20:55 AM	59.9	79.7	40.7
20:55 AM - 21:00 AM	50.1	56.7	46.3
21:00 AM - 21:05 AM	46.7	56.3	41.5
21:05 AM - 21:10 AM	46.3	65.1	37.8

Approved by

Wilawan Borriak
Manager



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykvang, Bangkok
Thailand 10310

P/O : R/N-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163520-1

Page 3 of 3

Sample No. : 24110378-4
Parameter : Noise
Location : N1 : ถนนพหลโยธิน กม. 2 (GPS 47P 714253, 1442299) (Shut down)
Measurement Date : Oct 29 - 30, 2024
Measurement by : Santi Chachana
Sound Level Meter : 01122607

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:10 AM - 04:15 AM	54.5	68.4	38.7
04:15 AM - 04:20 AM	46.3	63.2	38.2
04:20 AM - 04:25 AM	58.5	80.6	38.3
04:25 AM - 04:30 AM	47.2	58.1	37.7
04:30 AM - 04:35 AM	47.9	66.9	38.1
04:35 AM - 04:40 AM	40.8	63.2	39.3
04:40 AM - 04:45 AM	47.6	63.2	39.5
04:45 AM - 04:50 AM	56.3	77.4	40.2
04:50 AM - 04:55 AM	55.6	70.4	39.9
04:55 AM - 05:00 AM	52.7	70.3	39.6
05:00 AM - 05:05 AM	57.9	69.1	39.8
05:05 AM - 05:10 AM	48.7	64.6	39.0
05:10 AM - 05:15 AM	43.3	58.9	38.8
05:15 AM - 05:20 AM	52.5	74.9	41.6
05:20 AM - 05:25 AM	46.7	79.7	41.3
05:25 AM - 05:30 AM	60.1	72.6	42.3
05:30 AM - 05:35 AM	57.4	66.0	40.7
05:35 AM - 05:40 AM	48.0	79.5	40.0
05:40 AM - 05:45 AM	56.2	79.5	40.0
05:45 AM - 05:50 AM	46.5	64.7	46.8
05:50 AM - 05:55 AM	48.0	61.5	41.9
05:55 AM - 06:00 AM	57.9	62.5	43.0
06:00 AM - 06:05 AM	60.8	91.4	43.6
06:05 AM - 06:10 AM	58.2	83.7	44.8
06:10 AM - 06:15 AM	48.0	74.1	40.9
06:15 AM - 06:20 AM	46.5	63.4	39.7
06:20 AM - 06:25 AM	48.3	64.1	41.4
06:25 AM - 06:30 PM	46.1	79.0	46.4
06:30 PM - 06:35 PM	58.3	76.3	39.5
06:35 PM - 06:40 PM	56.8	78.1	40.5
06:40 PM - 06:45 PM	44.1	61.8	42.5
06:45 PM - 06:50 PM	43.3	65.2	40.3

Reference Method :

- ISO 1996-1
- คู่มือการตรวจประเมินค่าเสียงตามวิธีมาตรฐานของประเทศไทยฉบับ 24 เดือน และวิธีมาตรฐานของสหประชาชาติในการวัดผลกระทบจากเสียงรบกวน ม. 2567

Approved by

Wilawan Borriak
Manager

Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110378
Date Received :Nov 06, 2024
Date Reported :Nov 15, 2024
Report No. : 3163521-1

Sample No.	24110378-S
Parameter	Noise
Location	N1 : ซอยนาฬิกาวัดเขียนใหญ่ จุดที่ 2 (GPS 47P 714253, 1442299) (Shut down)
Measurement Date	Oct.30 - 31, 2024
Measurement by	Sanli Chaikhana
Sound Level Meter	01122607

Page 1 of 3

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 PM - 05:00 PM	52.6	70.0	49.3
05:00 PM - 06:00 PM	49.1	72.3	45.9
06:00 PM - 07:00 PM	52.1	79.7	47.9
07:00 PM - 08:00 PM	54.2	81.0	49.0
08:00 PM - 09:00 PM	53.5	78.7	37.8
09:00 PM - 10:00 PM	57.5	88.4	36.4
10:00 PM - 10:25 PM	58.3	76.2	34.6
10:25 PM - 10:50 PM	63.3	85.2	37.3
10:50 PM - 11:15 PM	56.4	75.7	35.7
11:15 PM - 10:20 PM	45.0	66.0	34.8
10:20 PM - 09:25 PM	55.8	72.1	35.4
10:25 PM - 10:30 PM	57.0	71.7	38.1
10:30 PM - 10:35 PM	53.7	70.6	36.6
10:35 PM - 10:40 PM	56.6	75.6	34.9
10:40 PM - 10:45 PM	58.3	79.2	35.1
10:45 PM - 10:50 PM	52.8	71.9	33.6
10:50 PM - 10:55 PM	52.1	72.9	33.5
10:55 PM - 11:00 PM	54.3	72.6	33.1
11:00 PM - 11:05 PM	54.5	75.1	34.2
11:05 PM - 11:10 PM	55.1	73.9	32.7
11:10 PM - 11:15 PM	56.9	74.2	36.0
11:15 PM - 11:20 PM	57.8	77.3	35.3
11:20 PM - 11:25 PM	58.9	76.5	36.6
11:25 PM - 11:30 PM	56.6	88.3	32.8
11:30 PM - 11:35 PM	41.1	64.2	21.5
11:35 PM - 11:40 PM	26.2	48.4	22.1
11:40 PM - 11:45 PM	59.1	82.0	35.0
11:45 PM - 11:50 PM	55.1	73.0	35.9
11:50 PM - 11:55 PM	54.4	71.1	35.5
11:55 PM - 12:00 AM	58.3	71.6	26.9
12:00 AM - 12:05 AM	23.2	41.8	19.4
12:05 AM - 12:10 AM	56.4	71.9	34.2
12:10 AM - 12:15 AM	46.7	69.0	23.6
12:15 AM - 12:20 AM	58.7	74.1	34.0
12:20 AM - 12:25 AM	54.0	72.7	36.5
12:25 AM - 12:30 AM	49.2	67.8	27.4
12:30 AM - 12:35 AM	48.5	67.6	27.5
12:35 AM - 12:40 AM	57.1	72.8	37.4
12:40 AM - 12:45 AM	47.2	64.9	38.6
12:45 AM - 12:50 AM	56.2	75.1	37.6

The above results are valid only for the analysis-based sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from GlobalVantage. No laboratory is exempt from this policy. GlobalVantage hereby disclaims any liability for any and all damages, including consequential damages, arising from the use of this report or certificate.

Approved by _____

Willavan Bortrak

62109155 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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RIGHT SOLUTIONS RIGHT PARTNER



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/4/115 26TH Fl, Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110378
Date Received :Nov 06, 2024
Date Reported :Nov 15, 2024
Report No. : 3163521-1

Sample No.	24110378-5
Parameter	Noise
Location	NI : ทุ่งชนป่านต.กบินตัม จ.สข 2 (GPS 47P 714253, 1442299) (Shut down)
Measurement Date	Oct 10 - 31, 2024
Measurement by	Santi Chalhachana
Sound Level Meter	01122607

Page 2 of 3

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:50 AM - 12:55 AM	53.9	67.5	28.1
11:55 AM - 01:00 AM	57.5	75.7	27.5
01:00 AM - 01:05 AM	42.0	57.1	37.0
01:05 AM - 01:10 AM	54.4	73.8	27.4
01:10 AM - 01:15 AM	55.4	73.1	27.6
01:15 AM - 01:20 AM	53.5	74.9	26.5
01:20 AM - 01:25 AM	51.8	72.4	26.4
01:25 AM - 01:30 AM	49.8	72.8	26.5
01:30 AM - 01:35 AM	51.7	73.5	24.4
01:35 AM - 01:40 AM	36.2	46.6	33.1
01:40 AM - 01:45 AM	42.7	62.7	24.7
01:45 AM - 01:50 AM	46.3	63.9	24.2
01:50 AM - 01:55 AM	50.9	71.5	35.1
01:55 AM - 02:00 AM	46.8	62.5	25.0
02:00 AM - 02:05 AM	42.7	59.6	28.7
02:05 AM - 02:10 AM	54.9	75.0	29.7
02:10 AM - 02:15 AM	46.2	61.3	40.1
02:15 AM - 02:20 AM	47.4	64.4	40.8
02:20 AM - 02:25 AM	49.7	56.2	40.8
02:25 AM - 02:30 AM	48.1	66.2	40.8
02:30 AM - 02:35 AM	46.6	61.4	40.8
02:35 AM - 02:40 AM	61.6	76.0	42.1
02:40 AM - 02:45 AM	47.6	66.4	41.2
02:45 AM - 02:50 AM	47.3	63.2	42.0
02:50 AM - 02:55 AM	35.2	46.6	43.0
02:55 AM - 03:00 AM	43.9	51.2	41.1
03:00 AM - 03:05 AM	50.1	70.2	41.7
03:05 AM - 03:10 AM	51.1	69.4	41.5
03:10 AM - 03:15 AM	51.1	64.1	42.1
03:15 AM - 03:20 AM	45.6	60.9	41.7
03:20 AM - 03:25 AM	43.3	50.8	41.8
03:25 AM - 03:30 AM	36.4	74.2	40.9
03:30 AM - 03:35 AM	41.4	55.8	40.9
03:35 AM - 03:40 AM	44.4	61.6	31.9
03:40 AM - 03:45 AM	51.1	73.8	28.4
03:45 AM - 03:50 AM	42.3	53.7	25.4
03:50 AM - 03:55 AM	39.9	51.9	29.7
03:55 AM - 04:00 AM	44.8	59.6	28.7
04:00 AM - 04:05 AM	46.8	58.7	29.0
04:05 AM - 04:10 AM	46.9	58.9	29.0

²The slave trade, as a commodity for the antislavery market, was reduced in my report. I expected it to be reduced, but it was not, and I was not.

Approved by _____

WibB

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 : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italtai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110378
Date Received :Nov 06, 2024
Date Reported :Nov 15, 2024
Report No. : 3163521-1

Sample No.	24110378-5
Parameter	Noise
Location	N1 : ซอยบางนาซอยสามัคคี เขต 2 (GPS 47P 714253, 1442299) (Shut down)
Measurement Date	Oct 30 - 31, 2024
Measurement by	Santi Chalkhana
Sound Level Meter	01122607

Page 3 of 3

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:10 AM - 04:15 AM	42.3	63.6	38.2
04:15 AM - 04:20 AM	48.3	67.6	40.0
04:20 AM - 04:25 AM	43.3	54.0	40.9
04:25 AM - 04:30 AM	52.4	71.4	39.8
04:30 AM - 04:35 AM	53.1	72.3	39.3
04:35 AM - 04:40 AM	42.8	49.3	41.3
04:40 AM - 04:45 AM	53.9	75.5	41.5
04:45 AM - 04:50 AM	48.8	64.3	41.2
04:50 AM - 04:55 AM	43.5	54.7	41.5
04:55 AM - 05:00 AM	46.4	66.5	41.0
05:00 AM - 05:05 AM	46.4	63.6	41.4
05:05 AM - 05:10 AM	56.9	76.4	41.4
05:10 AM - 05:15 AM	63.8	81.8	42.2
05:15 AM - 05:20 AM	50.2	63.0	41.9
05:20 AM - 05:25 AM	53.0	71.1	43.0
05:25 AM - 05:30 AM	60.2	76.3	43.0
05:30 AM - 05:35 AM	52.3	68.2	42.7
05:35 AM - 05:40 AM	46.3	58.5	42.7
05:40 AM - 05:45 AM	49.5	65.4	42.4
05:45 AM - 05:50 AM	51.2	68.1	42.6
05:50 AM - 05:55 AM	57.7	74.0	43.8
05:55 AM - 06:00 AM	54.6	71.0	43.8
06:00 AM - 07:00 AM	56.1	79.9	43.7
07:00 AM - 08:00 AM	52.0	76.7	44.7
08:00 AM - 09:00 AM	56.5	81.5	45.1
09:00 AM - 10:00 AM	64.6	77.6	46.8
10:00 AM - 11:00 AM	65.5	82.9	45.0
11:00 AM - 12:00 PM	57.0	75.0	44.5
12:00 PM - 01:00 PM	55.2	80.1	44.3
01:00 PM - 02:00 PM	56.1	81.7	43.7
02:00 PM - 03:00 PM	48.8	67.8	41.9
03:00 PM - 04:00 AM	46.1	61.4	41.4

Reference Method :

1. ISO 1996-1
2. มีภาสกรณโง้วจวบถุฒสถานกรรณ เรื่อ : ร้การตราตรนเนมอการบวบบ ระเอนเพนเวก่น 74 ชารโน นลระพ่นเนมอวลลท่เสดจากการประคณชากาโรงนาห ม.ศ. 756

Approved by _____

Wilaywan Bonrak

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Phusdaeng Rayong 21140 Thailand TEL# +66 0 3304 8555 FAX +66 0 3304 8556

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towre, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110378
Date Received :Nov 06, 2024
Date Reported :Nov 15, 2024
Report No. : 3163522-1

Sample No.	24110378-6
Parameter	Noise
Location	N1 : วนอุทยานเฉลิมพระเกียรติ จชต 2 (GPS 47P 714253, 1442799) (Shut down)
Measurement Date	Oct 31 - Nov 01, 2024
Measurement by	Sanli Chaichana
Sound Level Meter	01122607

Page 8 of 10

Time	Leg (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 PM - 05:00 PM	50.5	80.7	45.9
05:00 PM - 06:00 PM	42.9	63.8	39.6
06:00 PM - 07:00 PM	48.2	71.6	41.7
07:00 PM - 08:00 PM	53.6	84.4	44.7
08:00 PM - 09:00 PM	55.4	87.5	40.0
09:00 PM - 10:00 PM	54.0	80.3	35.5
10:00 PM - 10:55 PM	43.6	62.6	34.6
10:55 PM - 10:59 PM	45.6	62.1	33.9
11:10 PM - 10:15 PM	49.6	71.9	33.7
10:15 PM - 10:20 PM	53.6	73.1	33.9
10:20 PM - 10:25 PM	54.1	71.4	34.4
10:25 PM - 10:30 PM	35.7	55.8	32.4
10:30 PM - 10:35 PM	55.5	77.9	35.2
10:35 PM - 10:40 PM	50.4	69.4	34.8
10:40 PM - 10:45 PM	39.7	55.7	35.1
10:45 PM - 10:50 PM	38.6	55.1	33.8
10:50 PM - 10:55 PM	36.7	76.2	32.7
10:55 PM - 11:00 PM	54.1	74.8	34.7
11:00 PM - 11:05 PM	47.5	65.7	34.8
11:05 PM - 11:10 PM	49.4	64.0	34.8
11:10 PM - 11:15 PM	47.3	68.3	32.3
11:15 PM - 11:20 PM	46.2	73.8	32.7
11:20 PM - 11:25 PM	44.1	62.1	32.7
11:25 PM - 11:30 PM	45.3	81.8	27.8
11:30 PM - 11:35 PM	43.7	63.7	33.5
11:35 PM - 11:40 PM	37.9	55.9	33.0
11:40 PM - 11:45 PM	55.9	75.6	34.1
11:45 PM - 11:50 PM	36.2	47.8	32.6
11:50 PM - 11:55 PM	50.4	81.0	36.4
11:55 PM - 12:00 AM	50.4	66.0	32.3
12:00 AM - 12:05 AM	47.0	63.9	33.1
12:05 AM - 12:10 AM	46.9	67.2	36.6
12:10 AM - 12:15 AM	50.4	72.1	37.1
12:15 AM - 12:20 AM	41.9	55.5	36.9
12:20 AM - 12:25 AM	47.7	63.1	37.0
12:25 AM - 12:30 AM	47.9	64.4	36.4
12:30 AM - 12:35 AM	50.9	69.8	36.1
12:35 AM - 12:40 AM	43.6	64.7	35.9
12:40 AM - 12:45 AM	58.2	74.7	37.1
12:45 AM - 12:50 AM	42.7	62.7	36.4

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William Borah

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RIGHT SOLUTIONS RIGHT PLANT FOR THE RIGHT PROJECT



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.,
2034/115 26TH Fl, Italthai Tower, New Petchburi Road, Bangkok, Huaykhang, Bangkok
Thailand 10310

P/O : RJA-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110378
Date Received Nov 06, 2024
Date Reported Nov 15, 2024
Report No. : 3163522-1

Sample No. : 24110378-6
Parameter : Noise
Location : N1 : ถนนพหลโยธินกมที่ 2 (GPS 47P 714253, 1442299) (Shut down)
Measurement Date : Oct 31 - Nov 01, 2024
Measurement by : Santi Chachana
Sound Level Meter : 01122607

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:50 AM - 12:55 AM	47.8	67.1	36.0
12:55 AM - 01:00 AM	46.3	65.4	36.4
01:00 AM - 01:05 AM	41.4	57.6	35.7
01:05 AM - 01:10 AM	52.5	73.6	36.9
01:10 AM - 01:15 AM	49.5	67.5	36.7
01:15 AM - 01:20 AM	45.6	66.3	37.5
01:20 AM - 01:25 AM	39.6	52.2	37.5
01:25 AM - 01:30 AM	40.3	58.0	38.3
01:30 AM - 01:35 AM	51.6	72.0	39.4
01:35 AM - 01:40 AM	41.4	59.2	38.1
01:40 AM - 01:45 AM	40.8	64.4	41.0
01:45 AM - 01:50 AM	50.3	68.6	39.8
01:50 AM - 01:55 AM	49.6	71.8	39.3
01:55 AM - 02:00 AM	58.9	79.3	40.3
02:00 AM - 02:05 AM	40.2	64.0	41.0
02:05 AM - 02:10 AM	45.5	63.7	39.6
02:10 AM - 02:15 AM	50.0	69.3	39.2
02:15 AM - 02:20 AM	49.0	68.9	39.2
02:20 AM - 02:25 AM	45.2	61.2	40.0
02:25 AM - 02:30 AM	51.5	68.5	39.0
02:30 AM - 02:35 AM	52.7	69.2	38.4
02:35 AM - 02:40 AM	40.3	59.0	37.9
02:40 AM - 02:45 AM	54.7	72.2	38.4
02:45 AM - 02:50 AM	51.7	70.1	38.3
02:50 AM - 02:55 AM	51.8	65.7	37.5
02:55 AM - 03:00 AM	44.2	65.7	38.7
03:00 AM - 03:05 AM	48.2	65.6	38.4
03:05 AM - 03:10 AM	47.4	68.5	38.5
03:10 AM - 03:15 AM	51.1	72.3	39.1
03:15 AM - 03:20 AM	46.0	65.4	39.7
03:20 AM - 03:25 AM	51.2	68.0	41.4
03:25 AM - 03:30 AM	45.9	65.9	40.9
03:30 AM - 03:35 AM	45.0	65.1	39.1
03:35 AM - 03:40 AM	51.0	64.5	38.4
03:40 AM - 03:45 AM	45.8	64.8	38.8
03:45 AM - 03:50 AM	54.2	72.7	38.9
03:50 AM - 03:55 AM	52.0	71.7	37.6
03:55 AM - 04:00 AM	47.6	65.8	37.0
04:00 AM - 04:05 AM	54.6	74.8	37.0
04:05 AM - 04:10 AM	54.6	75.6	37.6

Approved by

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Wibwan Borik
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.,
2034/115 26TH Fl, Italthai Tower, New Petchburi Road, Bangkok, Huaykhang, Bangkok
Thailand 10310

P/O : RJA-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110378
Date Received Nov 06, 2024
Date Reported Nov 15, 2024
Report No. : 3163523-1

Sample No. : 24110378-7
Parameter : Noise
Location : N1 : ถนนพหลโยธินกมที่ 2 (GPS 47P 714253, 1442299) (Shut down)
Measurement Date : Nov 01 - 02, 2024
Measurement by : Santi Chachana
Sound Level Meter : 01122607

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 PM - 04:05 PM	41.3	59.3	38.3
04:05 PM - 04:10 PM	41.5	59.6	39.7
04:10 PM - 04:15 PM	50.5	76.8	42.5
04:15 PM - 04:20 PM	54.2	87.2	44.0
04:20 PM - 04:25 PM	60.2	88.1	45.6
04:25 PM - 04:30 PM	51.6	74.2	44.9
04:30 PM - 04:35 PM	49.1	65.0	44.0
04:35 PM - 04:40 PM	47.3	66.4	44.0
04:40 PM - 04:45 PM	57.5	72.1	45.3
04:45 PM - 04:50 PM	47.8	57.8	45.2
04:50 PM - 04:55 PM	55.3	71.7	45.6
04:55 PM - 05:00 PM	54.7	71.9	46.8
05:00 PM - 05:05 PM	63.0	82.4	46.5
05:05 PM - 05:10 PM	46.3	63.0	45.8
05:10 PM - 05:15 PM	56.8	72.3	45.9
05:15 PM - 05:20 PM	55.2	73.2	44.7
05:20 PM - 05:25 PM	60.4	81.8	44.2
05:25 PM - 05:30 PM	61.8	80.4	45.8
05:30 PM - 05:35 PM	59.7	74.7	45.0
05:35 PM - 05:40 PM	53.7	72.3	43.0
05:40 PM - 05:45 PM	49.8	54.8	42.3
05:45 PM - 05:50 PM	57.4	78.1	43.4
05:50 PM - 05:55 PM	51.9	66.7	43.7
05:55 PM - 06:00 PM	48.7	60.2	44.0
06:00 PM - 06:05 PM	64.3	86.7	44.5
06:05 PM - 06:10 PM	54.4	68.9	43.3
06:10 PM - 06:15 PM	52.0	69.1	44.3
06:15 PM - 06:20 PM	46.4	58.5	42.1
06:20 PM - 06:25 PM	56.0	72.4	43.2
06:25 PM - 06:30 PM	55.3	74.2	42.9
06:30 PM - 06:35 PM	54.5	73.9	42.0
06:35 PM - 06:40 PM	52.1	67.4	43.7
06:40 PM - 06:45 PM	61.9	84.6	42.4
06:45 PM - 06:50 PM	58.7	77.1	42.9
06:50 PM - 06:55 PM	50.2	63.1	41.1
06:55 PM - 07:00 PM	43.1	51.3	41.6
07:00 PM - 07:05 PM	47.8	61.4	41.6
07:05 PM - 07:10 PM	49.1	63.1	41.4
07:10 PM - 07:15 PM	43.2	63.6	40.8
07:15 PM - 07:20 PM	43.4	55.1	40.5

Approved by

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.,
2034/115 26TH Fl, Italthai Tower, New Petchburi Road, Bangkok, Huaykhang, Bangkok
Thailand 10310

P/O : RJA-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110378
Date Received Nov 06, 2024
Date Reported Nov 15, 2024
Report No. : 3163522-1

Sample No. : 24110378-6
Parameter : Noise
Location : N1 : ถนนพหลโยธินกมที่ 2 (GPS 47P 714253, 1442299) (Shut down)
Measurement Date : Oct 31 - Nov 01, 2024
Measurement by : Santi Chachana
Sound Level Meter : 01122607

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:10 AM - 04:15 AM	51.8	70.5	37.6
04:15 AM - 04:20 AM	40.1	50.0	37.8
04:20 AM - 04:25 AM	43.5	57.8	39.5
04:25 AM - 04:30 AM	42.2	62.4	40.3
04:30 AM - 04:35 AM	42.9	55.3	39.6
04:35 AM - 04:40 AM	45.5	63.0	39.8
04:40 AM - 04:45 AM	46.2	65.9	40.7
04:45 AM - 04:50 AM	54.6	74.6	41.5
04:50 AM - 04:55 AM	46.2	58.9	42.6
04:55 AM - 05:00 AM	50.0	64.8	44.1
05:00 AM - 05:05 AM	53.1	71.6	43.4
05:05 AM - 05:10 AM	52.6	69.6	43.2
05:10 AM - 05:15 AM	53.9	76.3	43.8
05:15 AM - 05:20 AM	51.8	70.4	43.4
05:20 AM - 05:25 AM	52.5	70.7	43.8
05:25 AM - 05:30 AM	46.2	61.9	40.8
05:30 AM - 05:35 AM	46.4	64.0	42.5
05:35 AM - 05:40 AM	41.6	61.1	41.4
05:40 AM - 05:45 AM	46.3	59.9	42.0
05:45 AM - 05:50 AM	52.6	70.0	42.4
05:50 AM - 05:55 AM	42.5	59.6	42.5
05:55 AM - 06:00 AM	53.5	70.1	42.6
06:00 AM - 06:05 AM	55.8	82.7	40.9
06:05 AM - 06:10 AM	50.0	74.5	42.8
06:10 AM - 06:15 AM	54.1	80.2	44.9
06:15 AM - 06:20 AM	60.2	71.1	46.2
06:20 AM - 06:25 AM	60.8	70.3	42.8
06:25 AM - 06:30 AM	64.5	69.1	46.9
06:30 PM - 06:35 PM	54.5	69.2	41.6
06:35 PM - 06:40 PM	50.7	67.5	40.7
06:40 PM - 06:45 PM	45.0	65.0	40.9
06:45 PM - 06:50 PM	44.7	60.7	41.0

Reference Method :

- ISO 1996-1
- ประเทศไทยมาตรฐานการวัดและประเมินค่าผลกระทบทางเสียงจากแหล่งกำเนิดเสียงในชุมชน (ฉบับปรับปรุง พ.ศ. 2562)

Approved by

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Wibwan Borik
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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :
Sample No. : 24110378-7
Parameter : Noise
Location : N2 : ถนนพหลโยธิน กม. 3 (GPS 47P 714253, 1442299) (Shut down)
Measurement Date : Nov 01 - 02, 2024
Measurement by : Santi Chachana
Sound Level Meter : 01122507

Lot ID: 24110378
Date Received: Nov 05, 2024
Date Reported: Nov 15, 2024
Report No.: 3163523-1

Page 3 of 3

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:15 AM - 04:15 AM	43.4	46.1	42.5
04:15 AM - 04:20 AM	43.8	53.5	42.5
04:20 AM - 04:25 AM	43.5	51.3	42.5
04:25 AM - 04:30 AM	44.1	51.9	42.6
04:30 AM - 04:35 AM	44.5	55.3	42.8
04:35 AM - 04:40 AM	44.3	47.9	43.1
04:40 AM - 04:45 AM	44.5	53.3	43.4
04:45 AM - 04:50 AM	45.2	60.3	42.8
04:50 AM - 04:55 AM	43.9	55.5	42.9
04:55 AM - 05:00 AM	54.3	72.5	51.3
05:00 AM - 05:05 AM	69.1	92.7	62.3
05:05 AM - 05:10 AM	43.8	51.9	42.5
05:10 AM - 05:15 AM	44.6	55.6	43.3
05:15 AM - 05:20 AM	44.5	55.8	43.2
05:20 AM - 05:25 AM	48.1	62.5	43.9
05:25 AM - 05:30 AM	55.8	69.9	44.0
05:30 AM - 05:35 AM	55.3	72.5	43.6
05:35 AM - 05:40 AM	46.9	65.3	43.1
05:40 AM - 05:45 AM	55.0	71.5	43.6
05:45 AM - 05:50 AM	49.1	64.4	42.7
05:50 AM - 05:55 AM	45.7	62.6	42.2
05:55 AM - 06:00 AM	52.5	70.5	43.5
06:00 AM - 06:05 AM	56.8	81.5	45.8
06:05 AM - 06:10 AM	55.8	81.5	43.8
06:10 AM - 06:15 AM	53.0	78.6	43.0
06:15 AM - 06:20 AM	54.5	80.1	40.9
06:20 AM - 06:25 AM	51.8	78.6	40.6
06:25 AM - 06:30 AM	56.0	83.4	40.1
06:30 AM - 06:35 AM	55.1	77.1	40.9
06:35 AM - 06:40 AM	53.0	84.0	40.8
06:40 AM - 06:45 AM	50.5	75.3	39.7
06:45 AM - 06:50 AM	55.2	85.8	41.1

Reference Method :

- ISO 1996-1
- มีมาตรฐานในการทดสอบเสียง (หรือ) มีการตรวจวัดตามข้อกำหนดของกรมควบคุมมลพิษ 24 ชั่วโมง และระดับเสียงสูงสุดค่าการตรวจวัดของสถานีตรวจ ม.ม. 2567

Approved by

Witawat Borrik
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :
Sample No. : 24110378-6
Parameter : Noise
Location : N2 : ถนนพหลโยธิน กม. 3 (GPS 47P 714555, 1441873) (Shut down)
Measurement Date : Oct 26 - 27, 2024
Measurement by : Santi Chachana
Sound Level Meter : 01122578

Lot ID: 24110378
Date Received: Nov 06, 2024
Date Reported: Nov 15, 2024
Report No.: 3163524-1

Page 3 of 3

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
05:00 PM - 05:00 PM	49.5	75.6	44.4
05:00 PM - 05:05 PM	49.0	75.8	44.7
05:05 PM - 05:10 PM	53.2	67.4	50.2
05:10 PM - 05:15 PM	55.1	63.9	49.6
05:15 PM - 05:20 PM	58.1	65.6	53.2
05:20 PM - 05:25 PM	60.4	65.4	47.3
05:25 PM - 05:30 PM	58.3	65.7	47.5
05:30 PM - 05:35 PM	57.4	64.5	48.0
05:35 PM - 05:40 PM	57.9	66.3	48.6
05:40 PM - 05:45 PM	57.6	67.4	47.5
05:45 PM - 05:50 PM	56.9	64.3	46.4
05:50 PM - 05:55 PM	56.7	62.5	46.5
05:55 PM - 06:00 PM	58.1	62.5	47.1
06:00 PM - 06:05 PM	57.2	62.3	46.0
06:05 PM - 06:10 PM	60.1	65.7	46.1
06:10 PM - 06:15 PM	59.2	65.6	46.9
06:15 PM - 06:20 PM	53.6	63.2	44.8
06:20 PM - 06:25 PM	59.4	65.3	46.1
06:25 PM - 06:30 PM	59.6	65.4	47.5
06:30 PM - 06:35 PM	59.0	63.0	50.2
06:35 PM - 06:40 PM	57.6	63.9	46.5
06:40 PM - 06:45 PM	58.0	62.4	48.0
06:45 PM - 06:50 PM	57.4	62.6	46.1
06:50 PM - 06:55 PM	57.4	62.3	46.9
06:55 PM - 07:00 PM	56.7	61.5	46.1
07:00 PM - 07:05 PM	53.0	61.3	45.1
07:05 PM - 07:10 PM	55.1	65.4	45.1
07:10 PM - 07:15 PM	58.1	62.4	47.0
07:15 PM - 07:20 PM	58.2	62.4	47.1
07:20 PM - 07:25 PM	57.9	62.7	45.8
07:25 PM - 07:30 PM	58.0	62.0	46.3
07:30 PM - 07:35 AM	55.6	64.7	44.6
07:35 AM - 07:40 AM	49.6	64.2	44.1
07:40 AM - 07:45 AM	55.0	61.4	46.0
07:45 AM - 07:50 AM	56.4	61.8	44.5
07:50 AM - 07:55 AM	56.9	66.2	45.1
07:55 AM - 08:00 AM	57.6	67.4	45.7
08:00 AM - 08:05 AM	58.4	62.2	46.5
08:05 AM - 08:10 AM	57.7	62.0	45.0
08:10 AM - 08:15 AM	56.1	61.7	44.3

Approved by

Witawat Borrik
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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :
Sample No. : 24110378-8
Parameter : Noise
Location : N2 : ถนนพหลโยธิน กม. 3 (GPS 47P 714555, 1441873) (Shut down)
Measurement Date : Oct 26 - 27, 2024
Measurement by : Santi Chachana
Sound Level Meter : 01122578

Lot ID: 24110378
Date Received: Nov 06, 2024
Date Reported: Nov 15, 2024
Report No.: 3163524-1

Page 2 of 3

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:55 AM - 01:00 AM	54.6	61.5	48.0
01:00 AM - 01:05 AM	53.4	61.3	46.7
01:05 AM - 01:10 AM	54.2	61.4	45.2
01:10 AM - 01:15 AM	54.2	61.3	46.5
01:15 AM - 01:20 AM	56.0	61.1	43.8
01:20 AM - 01:25 AM	53.5	63.8	42.7
01:25 AM - 01:30 AM	46.2	57.3	40.9
01:30 AM - 01:35 AM	54.6	64.5	43.2
01:35 AM - 01:40 AM	55.1	64.9	43.1
01:40 AM - 01:45 AM	50.9	60.8	42.7
01:45 AM - 01:50 AM	49.6	60.6	41.6
01:50 AM - 01:55 AM	45.2	56.9	42.2
01:55 AM - 02:00 AM	57.4	83.3	43.8
02:00 AM - 02:05 AM	60.5	72.7	44.9
02:05 AM - 02:10 AM	55.9	64.8	45.5
02:10 AM - 02:15 AM	43.4	52.6	41.0
02:15 AM - 02:20 AM	43.1	51.6	40.4
02:20 AM - 02:25 AM	49.6	54.7	42.2
02:25 AM - 02:30 AM	45.9	62.9	40.7
02:30 AM - 02:35 AM	46.6	61.9	42.0
02:35 AM - 02:40 AM	48.8	63.4	42.7
02:40 AM - 02:45 AM	46.2	64.6	43.1
02:45 AM - 02:50 AM	47.9	64.4	43.7
02:50 AM - 02:55 AM	46.9	55.8	44.3
02:55 AM - 03:00 AM	46.2	61.3	43.2
03:00 AM - 03:05 AM	46.8	55.7	43.8
03:05 AM - 03:10 AM	46.2	57.0	43.1
03:10 AM - 03:15 AM	49.1	59.5	43.2
03:15 AM - 03:20 AM	46.2	66.4	42.4
03:20 AM - 03:25 AM	47.9	66.5	42.3
03:25 AM - 03:30 AM	47.5	67.4	43.6
03:30 AM - 03:35 AM	50.9	59.9	42.0
03:35 AM - 03:40 AM	43.7	60.0	42.6
03:40 AM - 03:45 AM	43.3	60.0	41.8
03:45 AM - 03:50 AM	46.2	59.7	40.2
03:50 AM - 03:55 AM	43.2	58.7	40.0
03:55 AM - 04:00 AM	43.9	55.5	41.4
04:00 AM - 04:05 AM	49.8	56.6	40.9
04:05 AM - 04:10 AM	47.4	57.7	41.8
04:10 AM - 04:15 AM	48.8	58.0	42.9

Approved by

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :
Sample No. : 24110378-6
Parameter : Noise
Location : N2 : ถนนพหลโยธิน กม. 3 (GPS 47P 714555, 1441873) (Shut down)
Measurement Date : Oct 26 - 27, 2024
Measurement by : Santi Chachana
Sound Level Meter : 01122578

Lot ID: 24110378
Date Received: Nov 06, 2024
Date Reported: Nov 15, 2024
Report No.: 3163524-1

Page 3 of 3

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:15 AM - 04:20 AM	48.1	58.6	43.2
04:20 AM - 04:25 AM	46.1	51.5	42.4
04:25 AM - 04:30 AM	46.6	58.6	44.1
04:30 AM - 04:35 AM	52.6	60.5	44.9
04:35 AM - 04:40 AM	50.8	61.2	44.4
04:40 AM - 04:45 AM	49.2	59.2	43.1
04:45 AM - 04:50 AM	45.8	56.8	42.7
04:50 AM - 04:55 AM	46.2	59.2	41.8
04:55 AM - 05:00 AM	46.1	50.4	42.7
05:00 AM - 05:05 AM	47.6	51.4	45.6
05:05 AM - 05:10 AM	46.2	53.3	46.1
05:10 AM - 05:15 AM	47.9	52.7	45.8
05:15 AM - 05:20 AM	48.4	53.9	46.2
05:20 AM - 05:25 AM	46.9	52.0	46.6
05:25 AM - 05:30 AM	46.3	52.2	46.3
05:30 AM - 05:35 AM	46.6	56.1	46.5
05:35 AM - 05:40 AM	46.9	53.2	46.8
05:40 AM - 05:45 AM	49.5	53.8	47.1
05:45 AM - 05:50 AM	46.6	53.5	47.5
05:50 AM - 05:55 AM	50.0	53.3	48.3
05:55 AM - 06:00 AM	51.6	55.2	50.0
06:00 AM - 06:05 AM	54.3	65.3	52.6
06:05 AM - 06:10 AM	53.7	71.7	50.6
06:10 AM - 06:15 AM	50.0	70.0	45.7
06:15 AM - 06:20 AM	53.3	72.1	49.1
06:20 AM - 06:25 AM	54.3	75.3	50.3
06:25 AM - 06:30 PM	56.0	78.5	52.7
06:30 PM - 06:35 PM	54.2	71.9	50.6
06:35 PM - 06:40 PM	50.7	69.3	46.6
06:40 PM - 06:45 PM	61.8	77.2	56.6
06:45 PM - 06:50 PM	53.5	79.2	51.9
06:50 PM - 06:55 PM	54.4	76.8	50.9

Reference Method :

- ISO 1996-1
- มีมาตรฐานในการทดสอบเสียง (หรือ) มีการตรวจวัดตามข้อกำหนดของกรมควบคุมมลพิษ 24 ชั่วโมง และระดับเสียงสูงสุดค่าการตรวจวัดของสถานีตรวจ ม.ม. 2567

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.,
2034/115 26TH Fl, Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJA-LCB-033/66
Project Name : Laemchabang
Project Location :
Sample No. : 24110378-9
Parameter : Noise
Location : ถนนพหลโยธินตัดถนน รพช 3 (GPS 47P 714555, 1441873) (Shut down)
Measurement Date : Oct 27 - 28, 2024
Measurement by : Santi Chachana
Sound Level Meter : 01122578

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163525-1

Page 1 of 3

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
05:00 PM - 06:00 PM	54.4	80.8	49.6
06:00 PM - 07:00 PM	51.8	63.5	50.0
07:00 PM - 08:00 PM	53.5	65.0	52.2
08:00 PM - 09:00 PM	53.6	62.8	52.4
09:00 PM - 10:00 PM	51.9	56.2	50.8
10:00 PM - 10:05 PM	52.3	55.5	50.9
10:05 PM - 10:10 PM	51.6	55.0	50.1
10:10 PM - 10:15 PM	51.6	55.7	51.7
10:15 PM - 10:20 PM	54.6	57.4	52.8
10:20 PM - 10:25 PM	53.1	56.9	50.9
10:25 PM - 10:30 PM	52.4	60.5	51.5
10:30 PM - 10:35 PM	51.8	54.0	50.9
10:35 PM - 10:40 PM	51.1	54.2	50.0
10:40 PM - 10:45 PM	51.5	54.0	50.6
10:45 PM - 10:50 PM	50.2	55.4	48.1
10:50 PM - 10:55 PM	48.5	53.2	46.2
10:55 PM - 11:00 PM	49.2	61.4	46.7
11:00 PM - 11:05 PM	48.7	61.6	45.3
11:05 PM - 11:10 PM	50.7	53.4	46.4
11:10 PM - 11:15 PM	48.5	53.1	46.9
11:15 PM - 11:20 PM	48.1	56.9	45.2
11:20 PM - 11:25 PM	45.3	53.5	41.4
11:25 PM - 11:30 PM	47.5	53.8	42.2
11:30 PM - 11:35 PM	46.8	54.4	47.6
11:35 PM - 11:40 PM	46.8	51.9	41.8
11:40 PM - 11:45 PM	46.1	52.1	43.5
11:45 PM - 11:50 PM	45.2	51.2	41.7
11:50 PM - 11:55 PM	47.2	60.9	44.0
11:55 PM - 12:00 AM	47.1	54.3	44.8
12:00 AM - 12:05 AM	47.1	52.2	44.6
12:05 AM - 12:10 AM	50.1	61.7	44.9
12:10 AM - 12:15 AM	47.1	62.2	43.8
12:15 AM - 12:20 AM	66.4	76.0	68.7
12:20 AM - 12:25 AM	60.2	74.0	60.2
12:25 AM - 12:30 AM	62.1	62.8	45.0
12:30 AM - 12:35 AM	47.2	62.6	45.4
12:35 AM - 12:40 AM	48.9	69.2	47.4
12:40 AM - 12:45 AM	49.5	61.6	43.8
12:45 AM - 12:50 AM	52.4	69.3	47.8
12:50 AM - 12:55 AM	60.5	72.6	47.1

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.,
2034/115 26TH Fl, Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJA-LCB-033/66
Project Name : Laemchabang
Project Location :
Sample No. : 24110378-9
Parameter : Noise
Location : ถนนพหลโยธินตัดถนน รพช 3 (GPS 47P 714555, 1441873) (Shut down)
Measurement Date : Oct 27 - 28, 2024
Measurement by : Santi Chachana
Sound Level Meter : 01122578

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163525-1

Page 2 of 3

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:55 AM - 01:00 AM	63.1	71.7	56.8
01:00 AM - 01:05 AM	49.7	65.7	46.1
01:05 AM - 01:10 AM	46.0	59.2	44.3
01:10 AM - 01:15 AM	46.2	60.4	44.1
01:15 AM - 01:20 AM	45.2	62.0	43.9
01:20 AM - 01:25 AM	44.1	58.2	42.6
01:25 AM - 01:30 AM	44.4	55.2	42.7
01:30 AM - 01:35 AM	46.2	56.8	42.3
01:35 AM - 01:40 AM	45.7	53.3	43.6
01:40 AM - 01:45 AM	56.1	53.7	43.8
01:45 AM - 01:50 AM	46.2	54.7	43.6
01:50 AM - 01:55 AM	46.6	57.2	43.9
01:55 AM - 02:00 AM	46.4	52.3	43.1
02:00 AM - 02:05 AM	46.0	52.1	42.0
02:05 AM - 02:10 AM	44.0	49.9	40.4
02:10 AM - 02:15 AM	45.0	71.2	46.9
02:15 AM - 02:20 AM	44.2	54.5	41.0
02:20 AM - 02:25 AM	44.5	55.0	41.3
02:25 AM - 02:30 AM	43.5	53.0	40.6
02:30 AM - 02:35 AM	41.7	54.0	39.2
02:35 AM - 02:40 AM	44.2	58.3	39.4
02:40 AM - 02:45 AM	43.2	54.3	40.6
02:45 AM - 02:50 AM	46.5	60.7	40.9
02:50 AM - 02:55 AM	48.9	66.3	41.6
02:55 AM - 03:00 AM	50.0	65.1	44.9
03:00 AM - 03:05 AM	51.1	74.4	43.6
03:05 AM - 03:10 AM	46.0	64.0	42.8
03:10 AM - 03:15 AM	51.7	51.7	42.5
03:15 AM - 03:20 AM	44.9	53.1	43.0
03:20 AM - 03:25 AM	44.5	52.1	42.9
03:25 AM - 03:30 AM	45.0	61.6	42.5
03:30 AM - 03:35 AM	44.6	50.1	42.9
03:35 AM - 03:40 AM	51.3	51.3	42.7
03:40 AM - 03:45 AM	46.2	51.3	43.5
03:45 AM - 03:50 AM	46.8	61.6	43.8
03:50 AM - 03:55 AM	46.5	50.1	42.9
03:55 AM - 04:00 AM	44.6	50.3	42.3
04:00 AM - 04:05 AM	44.6	50.0	41.9
04:05 AM - 04:10 AM	45.2	52.1	42.1
04:10 AM - 04:15 AM	45.7	53.2	42.3
04:15 AM - 04:20 AM	45.8	61.4	42.4

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.,
2034/115 26TH Fl, Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJA-LCB-033/66
Project Name : Laemchabang
Project Location :
Sample No. : 24110378-9
Parameter : Noise
Location : ถนนพหลโยธินตัดถนน รพช 3 (GPS 47P 714555, 1441873) (Shut down)
Measurement Date : Oct 27 - 28, 2024
Measurement by : Santi Chachana
Sound Level Meter : 01122578

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163525-1

Page 3 of 3

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:15 AM - 04:20 AM	46.9	54.3	43.6
04:20 AM - 04:25 AM	46.8	58.4	45.3
04:25 AM - 04:30 AM	50.2	56.0	46.8
04:30 AM - 04:35 AM	51.3	64.3	48.1
04:35 AM - 04:40 AM	51.6	60.0	47.9
04:40 AM - 04:45 AM	50.6	60.8	47.1
04:45 AM - 04:50 AM	51.2	55.0	46.1
04:50 AM - 04:55 AM	51.1	55.4	46.0
04:55 AM - 05:00 AM	50.7	55.4	47.6
05:00 AM - 05:05 AM	51.3	55.5	46.5
05:05 AM - 05:10 AM	50.6	55.1	48.4
05:10 AM - 05:15 AM	50.1	56.4	48.2
05:15 AM - 05:20 AM	50.8	53.2	49.0
05:20 AM - 05:25 AM	50.8	53.9	49.1
05:25 AM - 05:30 AM	50.8	53.9	49.2
05:30 AM - 05:35 AM	51.1	54.2	49.7
05:35 AM - 05:40 AM	51.3	54.2	49.9
05:40 AM - 05:45 AM	51.6	55.9	50.2
05:45 AM - 05:50 AM	51.8	56.4	50.4
05:50 AM - 05:55 AM	51.8	55.1	50.3
05:55 AM - 06:00 AM	52.1	57.9	50.7
06:00 AM - 06:05 AM	53.2	59.9	52.0
06:05 AM - 06:10 AM	54.3	63.7	50.7
06:10 AM - 06:15 AM	54.4	77.7	51.2
06:15 AM - 06:20 AM	54.9	75.2	49.9
06:20 AM - 06:25 AM	54.1	74.7	49.2
06:25 AM - 06:30 AM	50.4	75.8	48.3
06:30 PM - 01:00 PM	52.9	69.5	49.4
01:00 PM - 02:00 PM	54.2	71.4	49.4
02:00 PM - 03:00 PM	56.7	75.3	53.6
03:00 PM - 04:00 PM	53.8	73.2	47.6
04:00 PM - 05:00 PM	56.5	78.0	51.4

Reference Method :

- ISO 1996-1
- บทบัญญัติว่าด้วยการตรวจวัดเสียง การวัดค่าระดับเสียงตามมาตรฐานการวัดระดับเสียง 24 ชั่วโมง และค่าระดับเสียงเฉลี่ยถ่วงน้ำหนักตามมาตรฐานการวัดระดับเสียง

Approved by

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.,
2034/115 26TH Fl, Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJA-LCB-033/66
Project Name : Laemchabang
Project Location :
Sample No. : 24110378-10
Parameter : Noise
Location : ถนนพหลโยธินตัดถนน รพช 3 (GPS 47P 714555, 1441873) (Shut down)
Measurement Date : Oct 28 - 29, 2024
Measurement by : Santi Chachana
Sound Level Meter : 01122578

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163526-1

Page 1 of 3

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
05:00 PM - 06:00 PM	55.2	73.5	55.4
06:00 PM - 07:00 PM	53.2	72.0	51.7
07:00 PM - 08:00 PM	60.5	68.8	55.2
08:00 PM - 09:00 PM	51.1	69.8	48.5
09:00 PM - 10:00 PM	49.6	61.6	47.6
10:00 PM - 10:05 PM	49.0	56.4	47.4
10:05 PM - 10:10 PM	48.8	51.8	46.8
10:10 PM - 10:15 PM	48.6	55.0	47.0
10:15 PM - 10:20 PM	46.5	52.9	47.0
10:20 PM - 10:25 PM	48.7	52.7	46.9
10:25 PM - 10:30 PM	46.2	51.5	46.0
10:30 PM - 10:35 PM	46.3	56.4	45.9
10:35 PM - 10:40 PM	48.1	54.3	46.0
10:40 PM - 10:45 PM	46.2	55.4	46.1
10:45 PM - 10:50 PM	47.5	53.8	44.5
10:50 PM - 10:55 PM	41.4	54.2	45.0
10:55 PM - 11:00 PM	46.9	52.9	44.3
11:00 PM - 11:05 PM	45.1	52.1	43.1
11:05 PM - 11:10 PM	45.6	52.7	43.8
11:10 PM - 11:15 PM	46.3	53.2	44.4
11:15 PM - 11:20 PM	47.2	54.4	44.5
11:20 PM - 11:25 PM	47.3	56.2	44.7
11:25 PM - 11:30 PM	46.7	53.9	44.3
11:30 PM - 11:35 PM	46.5	53.5	44.5
11:35 PM - 11:40 PM	46.0	54.4	44.6
11:40 PM - 11:45 PM	45.8	53.2	43.7
11:45 PM - 11:50 PM	46.1	50.6	43.5
11:50 PM - 11:55 PM	45.4	50.4	43.5
11:55 PM - 12:00 AM	45.4	49.9	43.6
12:00 AM - 12:05 AM	45.5	53.4	43.6
12:05 AM - 12:10 AM	46.3	53.1	44.4
12:10 AM - 12:15 AM	46.5	52.6	44.2
12:15 AM - 12:20 AM	48.9	52.8	43.9
12:20 AM - 12:25 AM	49.9	58.1	45.2
12:25 AM - 12:30 AM	50.9	54.4	49.4
12:30 AM - 12:35 AM	50.9	55.4	49.3
12:35 AM - 12:40 AM	51.0	54.4	49.4
12:40 AM - 12:45 AM	50.7	53.7	47.0
12:45 AM - 12:50 AM	50.9	54.9	48.9
12:50 AM - 12:55 AM	50.8	71.2	48.8

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Analysis / Test Report

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203/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :
Page 2 of 3

Lot ID: 24110378
Date Received: Nov 06, 2024
Date Reported: Nov 15, 2024
Report No.: 3163526-1

Sample No. 24110378-10
Parameter Noise
Location N2 : ถนนสุขุมวิท/ถนนสุขุมวิท รพช 3 (GPS 47P 714555, 1441873) (Shut down)
Measurement Date Oct 28 - 29, 2024
Measurement by Sanit Chachana
Sound Level Meter 01122578

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:55 AM - 01:00 AM	50.6	55.5	47.0
01:00 AM - 01:05 AM	50.5	55.1	46.5
01:05 AM - 01:10 AM	50.6	55.1	46.8
01:10 AM - 01:15 AM	49.4	55.1	45.8
01:15 AM - 01:20 AM	49.9	54.9	45.3
01:20 AM - 01:25 AM	49.3	54.9	45.6
01:25 AM - 01:30 AM	50.5	56.7	46.7
01:30 AM - 01:35 AM	50.4	57.2	45.7
01:35 AM - 01:40 AM	49.2	54.4	45.0
01:40 AM - 01:45 AM	49.9	54.9	47.9
01:45 AM - 01:50 AM	50.6	56.7	47.7
01:50 AM - 01:55 AM	50.7	56.9	47.4
01:55 AM - 02:00 AM	50.7	56.6	47.9
02:00 AM - 02:05 AM	51.2	57.4	47.4
02:05 AM - 02:10 AM	51.5	57.2	46.8
02:10 AM - 02:15 AM	50.2	56.7	47.2
02:15 AM - 02:20 AM	49.0	55.9	46.7
02:20 AM - 02:25 AM	48.4	56.0	44.4
02:25 AM - 02:30 AM	48.9	56.1	44.6
02:30 AM - 02:35 AM	48.8	56.5	44.5
02:35 AM - 02:40 AM	48.9	55.9	44.5
02:40 AM - 02:45 AM	48.5	56.4	43.9
02:45 AM - 02:50 AM	48.3	56.6	43.9
02:50 AM - 02:55 AM	48.2	57.8	43.8
02:55 AM - 03:00 AM	48.7	56.6	44.7
03:00 AM - 03:05 AM	49.1	56.3	44.9
03:05 AM - 03:10 AM	48.8	56.9	44.5
03:10 AM - 03:15 AM	45.9	52.2	42.9
03:15 AM - 03:20 AM	46.3	51.9	42.9
03:20 AM - 03:25 AM	45.5	51.1	43.4
03:25 AM - 03:30 AM	45.7	52.7	44.2
03:30 AM - 03:35 AM	47.4	52.6	44.2
03:35 AM - 03:40 AM	47.4	51.5	44.6
03:40 AM - 03:45 AM	47.4	52.7	44.7
03:45 AM - 03:50 AM	46.7	52.7	43.2
03:50 AM - 03:55 AM	47.7	53.0	44.5
03:55 AM - 04:00 AM	46.8	48.2	44.6
04:00 AM - 04:05 AM	46.1	53.3	45.0
04:05 AM - 04:10 AM	46.7	53.1	44.9
04:10 AM - 04:15 AM	46.8	53.4	45.7

Approved by

Wibab.
Wibab Borkak
Manager

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ALS LABORATORY GROUP (THAILAND) CO., LTD. 100/55 Sukhumvit Road, Bangkok 10110



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :
Page 2 of 3

Lot ID: 24110378
Date Received: Nov 06, 2024
Date Reported: Nov 15, 2024
Report No.: 3163526-1

Sample No. 24110378-10
Parameter Noise
Location N2 : ถนนสุขุมวิท/ถนนสุขุมวิท รพช 3 (GPS 47P 714555, 1441873) (Shut down)
Measurement Date Oct 28 - 29, 2024
Measurement by Sanit Chachana
Sound Level Meter 01122578

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:15 AM - 04:20 AM	49.7	55.0	46.7
04:20 AM - 04:25 AM	49.9	54.7	47.1
04:25 AM - 04:30 AM	50.1	54.6	47.5
04:30 AM - 04:35 AM	50.2	54.1	47.6
04:35 AM - 04:40 AM	50.4	54.1	46.1
04:40 AM - 04:45 AM	50.3	55.5	46.1
04:45 AM - 04:50 AM	50.6	54.8	46.2
04:50 AM - 04:55 AM	51.2	56.4	46.7
04:55 AM - 05:00 AM	51.5	55.9	46.8
05:00 AM - 05:05 AM	51.1	55.3	46.9
05:05 AM - 05:10 AM	51.2	55.2	46.8
05:10 AM - 05:15 AM	51.3	54.9	49.2
05:15 AM - 05:20 AM	51.3	54.7	49.5
05:20 AM - 05:25 AM	51.1	54.5	49.2
05:25 AM - 05:30 AM	51.9	56.0	50.1
05:30 AM - 05:35 AM	52.1	56.8	50.1
05:35 AM - 05:40 AM	51.5	54.9	49.4
05:40 AM - 05:45 AM	51.3	54.7	49.4
05:45 AM - 05:50 AM	51.5	58.4	49.4
05:50 AM - 05:55 AM	51.5	55.3	49.5
05:55 AM - 06:00 AM	51.7	59.0	50.6
06:00 AM - 07:00 AM	53.6	74.0	51.8
07:00 AM - 08:00 AM	53.1	66.7	49.8
08:00 AM - 09:00 AM	51.9	72.9	52.0
09:00 AM - 10:00 AM	55.6	74.0	51.3
10:00 AM - 11:00 AM	55.9	68.5	52.4
11:00 AM - 12:00 PM	55.7	75.9	51.1
12:00 PM - 01:00 PM	55.8	64.1	51.3
01:00 PM - 02:00 PM	55.4	76.5	50.1
02:00 PM - 03:00 PM	53.7	74.4	48.0
03:00 PM - 04:00 PM	53.6	75.1	48.6
04:00 PM - 05:00 PM	53.9	71.7	49.0

Reference Method:

- ISO 1996-1
2. เป็นค่าเฉลี่ยของระดับความดันเสียง (Leq) ที่วัดได้ในช่วงเวลา 24 ชั่วโมง และระดับเสียงสูงสุดที่วัดได้ (Lmax) ที่วัดได้ในช่วงเวลา 24 ชั่วโมง

Approved by

Wibab.
Wibab Borkak
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :
Page 1 of 3

Lot ID: 24110378
Date Received: Nov 06, 2024
Date Reported: Nov 15, 2024
Report No.: 3163526-1

Sample No. 24110378-11
Parameter Noise
Location N2 : ถนนสุขุมวิท/ถนนสุขุมวิท รพช 3 (GPS 47P 714555, 1441873) (Shut down)
Measurement Date Oct 29 - 30, 2024
Measurement by Sanit Chachana
Sound Level Meter 01122578

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
05:00 PM - 06:00 PM	52.3	69.3	49.0
06:00 PM - 07:00 PM	51.5	65.4	48.9
07:00 PM - 08:00 PM	51.8	65.7	52.6
08:00 PM - 09:00 PM	51.9	69.2	49.8
09:00 PM - 10:00 PM	49.8	64.1	47.1
10:00 PM - 10:05 PM	49.8	53.6	44.8
10:05 PM - 10:10 PM	49.2	57.3	44.8
10:10 PM - 10:15 PM	46.3	54.0	44.2
10:15 PM - 10:20 PM	45.9	55.6	43.6
10:20 PM - 10:25 PM	46.1	54.6	44.0
10:25 PM - 10:30 PM	49.6	57.1	45.1
10:30 PM - 10:35 PM	50.7	54.5	46.9
10:35 PM - 10:40 PM	51.5	54.5	50.0
10:40 PM - 10:45 PM	51.3	57.4	49.5
10:45 PM - 10:50 PM	51.9	61.1	48.0
10:50 PM - 10:55 PM	51.3	56.8	46.1
10:55 PM - 11:00 PM	50.8	54.2	47.7
11:00 PM - 11:05 PM	51.0	57.1	46.9
11:05 PM - 11:10 PM	49.7	58.7	45.8
11:10 PM - 11:15 PM	50.3	58.6	46.1
11:15 PM - 11:20 PM	49.9	64.9	46.1
11:20 PM - 11:25 PM	47.2	54.5	44.3
11:25 PM - 11:30 PM	47.5	53.3	44.8
11:30 PM - 11:35 PM	48.8	53.3	45.1
11:35 PM - 11:40 PM	49.1	53.9	46.2
11:40 PM - 11:45 PM	49.2	56.9	45.5
11:45 PM - 11:50 PM	46.6	50.5	44.8
11:50 PM - 11:55 PM	46.9	60.3	44.3
11:55 PM - 12:00 AM	50.0	60.6	44.6
12:00 AM - 12:05 AM	50.9	61.2	46.7
12:05 AM - 12:10 AM	51.6	51.4	45.1
12:10 AM - 12:15 AM	51.3	61.1	45.8
12:15 AM - 12:20 AM	51.7	60.9	45.6
12:20 AM - 12:25 AM	50.6	51.0	43.0
12:25 AM - 12:30 AM	48.8	57.2	44.5
12:30 AM - 12:35 AM	46.2	59.1	44.3
12:35 AM - 12:40 AM	50.3	56.3	44.6
12:40 AM - 12:45 AM	50.9	56.5	45.0
12:45 AM - 12:50 AM	51.3	59.1	45.8
12:50 AM - 12:55 AM	50.7	58.9	44.8

Approved by

Wibab.
Wibab Borkak
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :
Page 2 of 3

Lot ID: 24110378
Date Received: Nov 06, 2024
Date Reported: Nov 15, 2024
Report No.: 3163526-1

Sample No. 24110378-11
Parameter Noise
Location N2 : ถนนสุขุมวิท/ถนนสุขุมวิท รพช 3 (GPS 47P 714555, 1441873) (Shut down)
Measurement Date Oct 29 - 30, 2024
Measurement by Sanit Chachana
Sound Level Meter 01122578

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:55 AM - 01:00 AM	49.5	55.0	44.5
01:00 AM - 01:05 AM	49.5	56.8	44.5
01:05 AM - 01:10 AM	49.1	56.7	43.0
01:10 AM - 01:15 AM	46.6	55.6	42.8
01:15 AM - 01:20 AM	46.1	55.3	42.4
01:20 AM - 01:25 AM	49.9	57.5	42.6
01:25 AM - 01:30 AM	53.4	56.5	50.4
01:30 AM - 01:35 AM	51.2	54.7	50.7
01:35 AM - 01:40 AM	52.7	58.3	47.5
01:40 AM - 01:45 AM	50.0	57.1	46.8
01:45 AM - 01:50 AM	49.3	57.1	42.3
01:50 AM - 01:55 AM	50.5	58.3	44.4
01:55 AM - 02:00 AM	48.9	57.1	46.7
02:00 AM - 02:05 AM	46.2	56.5	41.2
02:05 AM - 02:10 AM	49.5	54.9	42.1
02:10 AM - 02:15 AM	49.9	58.1	41.9
02:15 AM - 02:20 AM	49.5	58.7	41.8
02:20 AM - 02:25 AM	49.5	54.4	42.2
02:25 AM - 02:30 AM	49.7	58.1	42.1
02:30 AM - 02:35 AM	48.9	58.7	41.9
02:35 AM - 02:40 AM	48.9	58.3	42.1
02:40 AM - 02:45 AM	51.4	59.4	42.1
02:45 AM - 02:50 AM	51.1	58.9	41.6
02:50 AM - 02:55 AM	49.3	58.9	40.5
02:55 AM - 03:00 AM	48.8	59.0	41.0
03:00 AM - 03:05 AM	49.5	59.0	41.7
03:05 AM - 03:10 AM	46.9	57.9	41.6
03:10 AM - 03:15 AM	49.2	57.8	41.7
03:15 AM - 03:20 AM	48.0	58.0	41.9
03:20 AM - 03:25 AM	48.0	54.6	41.9
03:25 AM - 03:30 AM	46.4	54.4	41.0
03:30 AM - 03:35 AM	46.9	61.7	41.3
03:35 AM - 03:40 AM	46.9	61.8	42.6
03:40 AM - 03:45 AM	51.5	67.5	43.9
03:45 AM - 03:50 AM	51.4	66.1	43.1
03:50 AM - 03:55 AM	50.5	66.1	41.5
03:55 AM - 04:00 AM	51.9	70.5	43.0
04:00 AM - 04:05 AM	49.5	56.7	41.3
04:05 AM - 04:10 AM	51.0	67.1	41.9
04:10 AM - 04:15 AM	52.0	76.2	46.5

Approved by

Wibab.
Wibab Borkak
Manager

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Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163527-1

Report No. : 3163527-1

Page 3 of 3

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:15 AM - 04:20 AM	51.6	79.8	45.4
04:20 AM - 04:25 AM	49.2	74.1	43.2
04:25 AM - 04:30 AM	50.1	71.7	44.4
04:30 AM - 04:35 AM	52.5	65.0	49.1
04:35 AM - 04:40 AM	55.0	71.7	51.7
04:40 AM - 04:45 AM	55.1	75.5	53.5
04:45 AM - 04:50 AM	57.2	75.5	54.5
04:50 AM - 04:55 AM	56.4	64.1	54.5
04:55 AM - 05:00 AM	57.2	66.7	55.5
05:00 AM - 05:05 AM	57.1	66.7	55.5
05:05 AM - 05:10 AM	56.8	54.5	52.7
05:10 AM - 05:15 AM	56.2	65.9	57.2
05:15 AM - 05:20 AM	56.1	64.0	55.1
05:20 AM - 05:25 AM	56.4	49.6	51.6
05:25 AM - 05:30 AM	56.4	62.0	51.0
05:30 AM - 05:35 AM	55.9	68.4	53.5
05:35 AM - 05:40 AM	56.3	64.3	51.8
05:40 AM - 05:45 AM	56.4	64.8	53.5
05:45 AM - 05:50 AM	58.3	65.5	55.7
05:50 AM - 05:55 AM	60.1	69.3	57.2
05:55 AM - 06:00 AM	61.8	71.7	60.0
06:00 AM - 06:05 AM	59.0	73.4	57.5
06:05 AM - 06:10 AM	55.7	72.2	53.2
06:10 AM - 06:15 AM	54.2	72.1	50.7
06:15 AM - 06:20 AM	52.7	72.6	47.1
10:00 AM - 11:00 AM	50.7	72.1	49.8
11:00 AM - 12:00 PM	50.8	67.6	46.3
12:00 PM - 01:00 PM	46.8	66.0	41.3
01:00 PM - 02:00 PM	46.5	72.7	42.3
02:00 PM - 03:00 PM	52.7	71.6	48.1
03:00 PM - 04:00 PM	52.3	72.7	47.5
04:00 PM - 05:00 PM	52.6	70.5	48.1

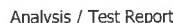
1. ISO 1990-1
2. ประกาศของทบวงกลาการกรรณ เรื่อง วิธีการตรวจวัดคุณสมบัติการทนทาน รวมถึมยผดเมต 24 สัโธม และระดัผดผลลพห้ก่จากกาปรกอบคองการเอนวษ พ.ศ. 2567

Approved by _____

William B. Moore

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Lot ID: 24110378
Date Received :Nov 06, 2024
Date Reported :Nov 15, 2024
Report No. : 3163528.1

Page 2 of 2

Sound Level Meter	Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
17:55 AM - 01:00 AM		46.1	56.5	43.7
01:00 AM - 01:05 AM		46	53.6	43.7
01:05 AM - 01:10 AM		45.2	53.3	43.4
01:10 AM - 01:15 AM		45.1	55.6	43.8
01:15 AM - 01:20 AM		45.5	53.0	42.3
01:20 AM - 01:25 AM		45.9	56.9	42.1
01:25 AM - 01:30 AM		47.2	57.2	42.2
01:30 AM - 01:35 AM		46.0	53.8	41.5
01:35 AM - 01:40 AM		44.7	53.0	41.2
01:40 AM - 01:45 AM		45.2	54.4	40.9
01:45 AM - 01:50 AM		45.3	56.1	43.3
01:50 AM - 01:55 AM		46	56.8	43.4
01:55 AM - 02:00 AM		46.7	63.6	44.1
02:00 AM - 02:05 AM		49	54.5	44.4
02:05 AM - 02:10 AM		51.1	54.8	44.2
02:10 AM - 02:15 AM		51.2	56.1	41.6
02:15 AM - 02:20 AM		50.8	57.8	41.7
02:20 AM - 02:25 AM		49.4	58.9	41.7
02:25 AM - 02:30 AM		51.0	51.3	41.8
02:30 AM - 02:35 AM		50.2	59.3	41.0
02:35 AM - 02:40 AM		50.3	60.1	41.2
02:40 AM - 02:45 AM		50.5	55.6	41.0
02:45 AM - 02:50 AM		51.1	61.7	42.0
02:50 AM - 02:55 AM		51.5	66.3	41.3
02:55 AM - 03:00 AM		50.4	60.5	41.7
03:00 AM - 03:05 AM		51.7	59.7	42.5
03:05 AM - 03:10 AM		52.2	59.4	42.5
03:10 AM - 03:15 AM		50.6	59.1	41.9
03:15 AM - 03:20 AM		49.0	59.7	42.1
03:20 AM - 03:25 AM		47.8	59.2	41.9
03:25 AM - 03:30 AM		42	57.5	42.4
03:30 AM - 03:35 AM		42.7	55.2	42.0
03:35 AM - 03:40 AM		49.1	57.5	42.2
03:40 AM - 03:45 AM		48.1	56.4	42.2
03:45 AM - 03:50 AM		47.9	57.7	42.7
03:50 AM - 03:55 AM		48.6	56.8	42.1
03:55 AM - 04:00 AM		49.3	57.4	42.0
04:00 AM - 04:05 AM		50.0	59.3	43.0
04:05 AM - 04:10 AM		51.4	56	43.6
04:10 AM - 04:15 AM		51.1	59.0	43.2

Approved by _____

Wilawan Bo
Manage

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Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163528-1

Report No. : 316352B-1

Page 1 of 1

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
05:00 PM - 06:00 PM	51.7	72.7	46.8
06:00 PM - 07:00 PM	51.7	72.3	46.3
07:00 PM - 08:00 PM	56.3	63.0	54.6
08:00 PM - 09:00 PM	54.0	70.9	51.8
09:00 PM - 10:00 PM	52.0	60.5	49.1
10:00 PM - 10:30 PM	47.6	54.7	47.6
10:30 PM - 10:45 PM	48.0	54.1	46.4
10:45 PM - 10:15 PM	47.1	52.1	45.8
10:15 PM - 10:20 PM	46.2	50.1	44.1
10:20 PM - 10:25 PM	49.2	48.9	47.8
10:25 PM - 10:30 PM	46.5	53.4	45.0
10:30 PM - 10:35 PM	49.0	58.2	45.5
10:35 PM - 10:40 PM	48.7	55.0	46.3
10:40 PM - 10:45 PM	47.5	56.5	47.3
10:45 PM - 10:50 PM	49.2	57.1	45.8
10:50 PM - 10:55 PM	49.7	55.9	46.6
10:55 PM - 11:00 PM	49.3	55.0	46.2
11:00 PM - 11:05 PM	48.7	58.7	46.7
11:05 PM - 11:10 PM	46.7	52.4	43.1
11:10 PM - 11:15 PM	48.8	57.6	46.2
11:15 PM - 11:20 PM	48.8	55.2	47.3
11:20 PM - 11:25 PM	46.9	55.2	47.2
11:25 PM - 11:30 PM	46.6	54.6	47.4
11:30 PM - 11:35 PM	49.3	56.8	47.7
11:35 PM - 11:40 PM	45.1	52.6	43.1
11:40 PM - 11:45 PM	46.5	63.0	43.8
11:45 PM - 11:50 PM	44.9	52.9	43.0
11:50 PM - 11:55 PM	45.7	49.4	44.3
11:55 PM - 12:00 AM	45.8	56.7	43.0
12:00 AM - 12:05 AM	47.2	54.7	44.5
12:05 AM - 12:10 AM	43.4	54.6	41.7
12:10 AM - 12:15 AM	45.3	51.9	41.8
12:15 AM - 12:20 AM	46.8	55.6	44.4
12:20 AM - 12:25 AM	45.4	51.7	44.1
12:25 AM - 12:30 AM	45.1	50.0	43.8
12:30 AM - 12:35 AM	46.1	53.1	44.2
12:35 AM - 12:40 AM	46.5	61.0	44.5
12:40 AM - 12:45 AM	47.2	54.9	45.0
12:45 AM - 12:50 AM	46.9	55.3	44.8
12:50 AM - 12:55 AM	45.5	53.4	44.2

Approved by _____

Wilawan Borirak

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Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163528-1

Page 3 of 3

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:15 AM - 04:30 AM	52.1	58.9	45.1
04:30 AM - 04:45 AM	51.4	56.5	44.3
04:45 AM - 04:30 AM	52.3	57.8	47.2
04:30 AM - 04:45 AM	51.5	57.9	46.4
04:45 AM - 04:40 AM	51.6	57.9	46.1
04:40 AM - 04:45 AM	50.9	57.3	45.6
04:45 AM - 04:50 AM	52.2	58.0	47.5
04:50 AM - 04:55 AM	52.1	58.3	47.9
04:55 AM - 05:00 AM	52.0	58.5	48.2
05:00 AM - 05:05 AM	52.7	61.0	47.2
05:05 AM - 05:10 AM	52.1	59.0	46.8
05:10 AM - 05:15 AM	51.8	58.5	47.4
05:15 AM - 05:20 AM	51.1	58.1	47.9
05:20 AM - 05:25 AM	52.8	59.8	48.4
05:25 AM - 05:30 AM	52.1	59.2	48.6
05:30 AM - 05:35 AM	54.0	58.9	50.3
05:35 AM - 05:40 AM	54.5	59.9	51.7
05:40 AM - 05:45 AM	55.2	58.9	52.6
05:45 AM - 05:50 AM	55.5	58.8	53.3
05:50 AM - 05:55 AM	55.0	59.2	52.0
05:55 AM - 06:00 AM	55.6	58.9	53.2
06:00 AM - 06:05 AM	56.9	72.4	54.8
06:05 AM - 06:10 AM	56.1	68.7	53.1
06:10 AM - 06:15 AM	52.0	71.6	46.0
06:15 AM - 06:20 AM	51.8	72.2	45.4
06:20 AM - 11:00 AM	57.1	76.3	50.0
11:00 AM - 12:00 PM	53.2	74.9	47.3
12:00 PM - 01:00 PM	51.5	64.4	46.6
01:00 PM - 02:00 PM	52.0	67.6	48.0
02:00 PM - 03:00 PM	53.8	70.4	50.2
03:00 PM - 04:00 PM	54.1	71.6	49.8
04:00 PM - 05:00 PM	52.5	70.8	52.7

1. ISO 1996-1

100%

ADDRESS: 616/10 Moo 5, T. Maenam Khw. A. Phusadeang Rayong 21140 Thailand. PHONE: +66 0 3304 8555 FAX: +66 0 3304 8551

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/115 26TH Fl. Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163529-1

Sample No. 24110378-13
Parameter Noise
Location N2 : ถนนพหลโยธินข้ามคลอง 3 (GPS 47P 714555, 1441873) (Shut down)
Measurement Date Oct 31 - Nov 01, 2024
Measurement by Sanit Chachana
Sound Level Meter 01122578

Page 1 of 3

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
05:00 PM - 06:00 PM	52.6	70.5	49.8
06:00 PM - 07:00 PM	50.9	63.5	47.5
07:00 PM - 08:00 PM	55.7	61.3	53.9
08:00 PM - 09:00 PM	54.3	65.4	52.0
09:00 PM - 10:00 PM	52.6	68.5	49.8
10:00 PM - 10:05 PM	50.6	56.0	46.5
10:05 PM - 10:10 PM	50.3	56.5	46.4
10:10 PM - 10:15 PM	49.7	55.4	47.6
10:15 PM - 10:20 PM	50.4	55.6	47.5
10:20 PM - 10:25 PM	51.1	56.2	46.9
10:25 PM - 10:30 PM	51.1	57.0	46.4
10:30 PM - 10:35 PM	50.8	58.2	46.9
10:35 PM - 10:40 PM	50.3	56.3	46.0
10:40 PM - 10:45 PM	49.9	54.9	46.3
10:45 PM - 10:50 PM	50.2	54.4	46.6
10:50 PM - 10:55 PM	50.0	56.7	46.3
10:55 PM - 11:00 PM	50.6	56.8	49.0
11:00 PM - 11:05 PM	49.8	52.0	47.1
11:05 PM - 11:10 PM	49.3	52.7	46.6
11:10 PM - 11:15 PM	49.1	53.0	44.3
11:15 PM - 11:20 PM	48.8	54.2	46.2
11:20 PM - 11:25 PM	48.6	56.9	44.7
11:25 PM - 11:30 PM	48.1	52.4	43.1
11:30 PM - 11:35 PM	45.6	52.0	42.1
11:35 PM - 11:40 PM	45.0	51.2	41.0
11:40 PM - 11:45 PM	46.1	56.5	41.5
11:45 PM - 11:50 PM	46.0	55.3	41.8
11:50 PM - 11:55 PM	47.4	53.3	45.6
11:55 PM - 12:00 AM	47.7	54.1	46.1
12:00 AM - 12:05 AM	48.4	54.6	46.5
12:05 AM - 12:10 AM	47.4	52.0	46.1
12:10 AM - 12:15 AM	47.9	52.4	46.0
12:15 AM - 12:20 AM	49.1	56.3	45.2
12:20 AM - 12:25 AM	49.0	52.6	47.8
12:25 AM - 12:30 AM	47.7	51.3	46.3
12:30 AM - 12:35 AM	48.1	51.6	46.8
12:35 AM - 12:40 AM	48.2	53.9	47.1
12:40 AM - 12:45 AM	48.4	55.4	46.8
12:45 AM - 1:00 AM	46.6	53.1	41.9
1:00 AM - 1:15 AM	49.8	53.9	41.6

The above results are valid only for the area delineated on the map. It is not intended to be used for any other purpose without the written consent of the Laboratory. ALS Laboratory Group (Thailand) Co., Ltd. is not responsible for the results of the test if the test is not conducted in accordance with the standard.

Approved by

Witwan Borik
Manager

ADDRESS: 616/1 Moo 5, T. Maenam Khu A, Phukdang Rayong 21140 Thailand PHONE: +66 0 3304 8555 FAX: +66 0 3304 8556



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/115 26TH Fl. Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163529-1

Sample No. 24110378-13
Parameter Noise
Location N2 : ถนนพหลโยธินข้ามคลอง 3 (GPS 47P 714555, 1441873) (Shut down)
Measurement Date Oct 31 - Nov 01, 2024
Measurement by Sanit Chachana
Sound Level Meter 01122578

Page 2 of 3

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
17:55 AM - 01:00 AM	45.5	54.1	43.4
01:00 AM - 01:05 AM	45.6	53.7	42.0
01:05 AM - 01:10 AM	44.7	50.6	41.7
01:10 AM - 01:15 AM	49.1	50.6	44.7
01:15 AM - 01:20 AM	49.1	50.0	45.8
01:20 AM - 01:25 AM	46.6	46.8	45.4
01:25 AM - 01:30 AM	46.1	55.2	44.6
01:30 AM - 01:35 AM	46.6	50.8	45.5
01:35 AM - 01:40 AM	46.1	50.9	44.9
01:40 AM - 01:45 AM	46.1	55.2	44.4
01:45 AM - 01:50 AM	47.0	58.2	44.3
01:50 AM - 01:55 AM	45.1	53.2	43.9
01:55 AM - 02:00 AM	46.2	46.2	44.8
02:00 AM - 02:05 AM	43.8	49.4	41.1
02:05 AM - 02:10 AM	43.2	49.6	41.2
02:10 AM - 02:15 AM	44.4	50.4	39.4
02:15 AM - 02:20 AM	44.4	54.7	40.3
02:20 AM - 02:25 AM	47.3	54.8	43.8
02:25 AM - 02:30 AM	50.6	54.6	47.1
02:30 AM - 02:35 AM	50.7	54.6	46.6
02:35 AM - 02:40 AM	47.9	51.1	46.3
02:40 AM - 02:45 AM	47.1	53.0	44.6
02:45 AM - 02:50 AM	45.6	50.9	43.4
02:50 AM - 02:55 AM	45.9	52.4	42.9
02:55 AM - 03:00 AM	44.4	50.9	42.2
03:00 AM - 03:05 AM	44.1	49.9	41.7
03:05 AM - 03:10 AM	46.8	44.1	40.7
03:10 AM - 03:15 AM	43.1	44.4	40.9
03:15 AM - 03:20 AM	44.2	49.6	41.4
03:20 AM - 03:25 AM	45.3	51.3	41.8
03:25 AM - 03:30 AM	45.4	57.6	43.6
03:30 AM - 03:35 AM	45.8	54.1	42.1
03:35 AM - 03:40 AM	45.2	50.8	41.9
03:40 AM - 03:45 AM	42.0	43.4	44.2
03:45 AM - 03:50 AM	42.7	53.6	43.6
03:50 AM - 03:55 AM	49.8	71.6	45.8
03:55 AM - 04:00 AM	47.5	56.0	45.3
04:00 AM - 04:05 AM	49.2	65.2	46.1
04:05 AM - 04:10 AM	48.3	54.5	46.0
04:10 AM - 04:15 AM	46.8	54.3	45.0

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Approved by

Witwan Borik
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/115 26TH Fl. Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163529-1

Sample No. 24110378-13
Parameter Noise
Location N2 : ถนนพหลโยธินข้ามคลอง 3 (GPS 47P 714555, 1441873) (Shut down)
Measurement Date Oct 31 - Nov 01, 2024
Measurement by Sanit Chachana
Sound Level Meter 01122578

Page 3 of 3

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:15 AM - 04:20 AM	47.7	53.1	45.3
04:20 AM - 04:25 AM	47.4	54.5	44.5
04:25 AM - 04:30 AM	46.6	54.5	44.0
04:30 AM - 04:35 AM	49.0	53.5	46.0
04:35 AM - 04:40 AM	49.3	56.0	46.8
04:40 AM - 04:45 AM	47.9	52.7	45.7
04:45 AM - 04:50 AM	46.4	51.0	44.4
04:50 AM - 04:55 AM	47.5	51.4	45.5
04:55 AM - 05:00 AM	46.1	51.8	46.1
05:00 AM - 05:05 AM	48.7	53.7	46.9
05:05 AM - 05:10 AM	48.5	52.4	46.2
05:10 AM - 05:15 AM	49.0	55.6	46.9
05:15 AM - 05:20 AM	50.7	56.9	48.0
05:20 AM - 05:25 AM	50.6	56.6	47.9
05:25 AM - 05:30 AM	51.2	56.5	46.2
05:30 AM - 05:35 AM	51.2	56.3	47.9
05:35 AM - 05:40 AM	50.3	56.7	47.8
05:40 AM - 05:45 AM	50.4	53.3	46.4
05:45 AM - 05:50 AM	50.8	49.2	46.5
05:50 AM - 05:55 AM	51.0	53.5	49.6
05:55 AM - 06:00 AM	50.8	54.4	49.2
06:00 AM - 07:00 AM	53.6	70.7	52.2
07:00 AM - 08:00 AM	53.0	70.2	50.7
08:00 AM - 09:00 AM	50.5	67.8	45.7
09:00 AM - 10:00 AM	47.6	60.9	44.8
10:00 AM - 11:00 AM	46.4	66.4	42.9
11:00 AM - 12:00 PM	48.9	64.7	44.8
12:00 PM - 01:00 PM	48.9	62.8	46.8
01:00 PM - 02:00 PM	44.6	60.2	40.2
02:00 PM - 03:00 PM	46.7	65.7	44.6
03:00 PM - 04:00 PM	47.1	77.5	45.5
04:00 PM - 05:00 PM	46.4	62.9	42.3

Reference Method :

1. ISO 9968-1

2. มาตรการควบคุมมลพิษทางเสียงจากโรงงานอุตสาหกรรม พ.ศ. 2567

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Approved by

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/115 26TH Fl. Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163530-1

Sample No. 24110378-14
Parameter Noise
Location N2 : ถนนพหลโยธินข้ามคลอง 3 (GPS 47P 714555, 1441873) (Shut down)
Measurement Date Nov 01 - 02, 2024
Measurement by Sanit Chachana
Sound Level Meter 01122578

Page 1 of 1

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
05:00 PM - 06:00 PM	49.2	70.3	44.4
06:00 PM - 07:00 PM	47.4	61.7	43.0
07:00 PM - 08:00 PM	54.9	66.8	52.9
08:00 PM - 09:00 PM	53.4	61.5	49.9
09:00 PM - 10:00 PM	51.5	59.5	48.2
10:00 PM - 10:05 PM	49.4	60.9	46.7
10:05 PM - 10:10 PM	54.2	54.2	55.9
10:10 PM - 10:15 PM	48.4	54.3	45.9
10:15 PM - 10:20 PM	48.4	54.4	45.7
10:20 PM - 10:25 PM	46.9	54.3	44.8
10:25 PM - 10:30 PM	45.5	50.4	41.0
10:30 PM - 10:35 PM	43.6	53.2	41.0
10:35 PM - 10:40 PM	43.0	49.3	40.9
10:40 PM - 10:45 PM	42.7	47.4	40.7
10:45 PM - 10:50 PM	42.9	47.7	40.9
10:50 PM - 10:55 PM	43.7	52.6	41.1
10:55 PM - 11:00 PM	43.4	47.9	41.2
11:00 PM - 11:05 PM	42.4	46.5	40.8
11:05 PM - 11:10 PM	42.4	51.5	41.1
11:10 PM - 11:15 PM	42.7	47.2	40.9
11:15 PM - 11:20 PM	43.3	47.3	41.3
11:20 PM - 11:25 PM	43.5	48.7	42.0
11:25 PM - 11:30 PM	42.9	47.0	41.7
11:30 PM - 11:35 PM	43.9	44.9	41.8
11:35 PM - 11:40 PM	44.3	56.5	42.0
11:40 PM - 11:45 PM	45.9	56.6	43.4
11:45 PM - 11:50 PM	45.2	61.4	43.9
11:50 PM - 11:55 PM	46.4	62.3	41.8
11:55 PM - 12:00 AM	46.9	64.7	43.5
12:00 AM - 12:05 AM	54.9	65.1	43.5
12:05 AM - 12:10 AM	55.2	49.9	42.7
12:10 AM - 12:15 AM	54.5	65.0	42.5
12:15 AM - 12:20 AM	51.0	64.7	43.5
12:20 AM - 12:25 AM	47.2	55.1	43.4
12:25 AM - 12:30 AM	47.6	54.9	43.4
12:30 AM - 12:35 AM	47.2	55.0	43.3
12:35 AM - 12:40 AM	47.6	55.2	42.5
12:40 AM - 12:45 AM	48.1	61.8	42.1
12:45 AM - 12:50 AM	43.9	63.2	43.2
12:50 AM - 12:55 AM	46.4	59.0	41.1

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Approved by

Witwan Borik
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italthai Tow, New Petchburi Road, Bangkapi, Huaykvang, Bangkok
Thailand 10310
P/O : RIN-ICB-033/66
Project Name : Laemchabang
Project Location :
Page 2 of 3

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163530-1

Sample No. : 24110378-14
Parameter : Noise
Location : N2 : เขตอุตสาหกรรมตอนล่าง 3 (GPS 47P 714555, 1441873) (Shut down)
Measurement Date : Nov 01 - 02, 2024
Measurement by : Santi Chachana
Sound Level Meter : 0122578

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:55 AM - 01:00 AM	45.5	62.7	41.3
01:00 AM - 01:05 AM	43.1	49.5	40.8
01:05 AM - 01:10 AM	42.9	49.5	40.9
01:10 AM - 01:15 AM	43.1	49.1	41.0
01:15 AM - 01:20 AM	42.8	50.1	41.2
01:20 AM - 01:25 AM	44.3	50.2	41.4
01:25 AM - 01:30 AM	44.7	53.6	41.8
01:30 AM - 01:35 AM	46.2	57.5	43.5
01:35 AM - 01:40 AM	46.0	53.4	44.8
01:40 AM - 01:45 AM	46.6	51.3	45.0
01:45 AM - 01:50 AM	47.4	54.9	44.1
01:50 AM - 01:55 AM	46.1	54.0	42.7
01:55 AM - 02:00 AM	46.9	55.3	43.9
02:00 AM - 02:05 AM	47.3	54.0	44.4
02:05 AM - 02:10 AM	47.4	54.4	44.2
02:10 AM - 02:15 AM	47.0	53.9	44.0
02:15 AM - 02:20 AM	47.4	54.2	44.3
02:20 AM - 02:25 AM	47.6	54.8	44.7
02:25 AM - 02:30 AM	49.0	55.1	46.0
02:30 AM - 02:35 AM	47.5	54.8	45.4
02:35 AM - 02:40 AM	46.6	54.9	43.5
02:40 AM - 02:45 AM	46.3	55.7	43.5
02:45 AM - 02:50 AM	47.8	54.3	45.2
02:50 AM - 02:55 AM	47.5	53.9	45.4
02:55 AM - 03:00 AM	47.3	54.3	45.0
03:00 AM - 03:05 AM	48.1	55.9	45.4
03:05 AM - 03:10 AM	46.3	54.8	44.8
03:10 AM - 03:15 AM	49.2	56.1	45.4
03:15 AM - 03:20 AM	49.4	54.4	45.6
03:20 AM - 03:25 AM	48.5	54.6	45.6
03:25 AM - 03:30 AM	48.1	54.3	45.2
03:30 AM - 03:35 AM	47.5	57.0	44.9
03:35 AM - 03:40 AM	48.3	57.4	44.9
03:40 AM - 03:45 AM	48.3	56.9	42.3
03:45 AM - 03:50 AM	48.3	56.5	41.8
03:50 AM - 03:55 AM	48.3	57.3	44.7
03:55 AM - 04:00 AM	48.3	56.8	44.9
04:00 AM - 04:05 AM	48.5	57.1	44.9
04:05 AM - 04:10 AM	48.3	56.6	44.6
04:10 AM - 04:15 AM	48.9	57.2	44.6

Approved by

Wilawan Bortrak
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italthai Tow, New Petchburi Road, Bangkapi, Huaykvang, Bangkok
Thailand 10310
P/O : RIN-ICB-033/66
Project Name : Laemchabang
Project Location :
Page 1 of 3

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163531-1

Sample No. : 24110378-15
Parameter : Noise
Location : N2 : เขตอุตสาหกรรมตอนล่าง 4 (GPS 47P 711927, 1441556) (Shut down)
Measurement Date : Oct 26 - 27, 2024
Measurement by : Santi Chachana
Sound Level Meter : 01222723

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 PM - 05:00 PM	46.0	66.9	43.7
05:00 PM - 06:00 PM	46.3	56.4	43.5
06:00 PM - 07:00 PM	47.7	61.3	44.6
07:00 PM - 08:00 PM	49.6	67.8	47.5
08:00 PM - 09:00 PM	47.5	57.5	47.0
09:00 PM - 10:00 PM	46.4	56.4	45.9
10:00 PM - 10:05 PM	45.2	47.5	44.8
10:05 PM - 10:10 PM	44.7	45.9	44.4
10:10 PM - 10:15 PM	45.1	54.9	44.1
10:15 PM - 10:20 PM	44.7	45.8	41.8
10:20 PM - 10:25 PM	44.4	46.2	44.0
10:25 PM - 10:30 PM	46.4	45.6	44.0
10:30 PM - 10:35 PM	44.2	45.2	41.9
10:35 PM - 10:40 PM	44.5	47.5	41.9
10:40 PM - 10:45 PM	44.7	46.4	44.3
10:45 PM - 10:50 PM	45.2	47.4	44.3
10:50 PM - 10:55 PM	45.3	51.4	44.4
10:55 PM - 11:00 PM	45.2	47.9	44.4
11:00 PM - 11:05 PM	45.7	52.6	44.1
11:05 PM - 11:10 PM	44.7	48.1	44.3
11:10 PM - 11:15 PM	44.4	45.2	44.0
11:15 PM - 11:20 PM	44.7	51.6	44.1
11:20 PM - 11:25 PM	44.4	45.2	44.0
11:25 PM - 11:30 PM	44.3	47.0	43.9
11:30 PM - 11:35 PM	44.0	46.4	43.8
11:35 PM - 11:40 PM	44.3	44.9	43.9
11:40 PM - 11:45 PM	45.3	56.9	43.9
11:45 PM - 11:50 PM	44.4	45.7	43.9
11:50 PM - 11:55 PM	44.6	48.5	43.8
11:55 PM - 12:00 AM	43.5	46.4	43.0
12:00 AM - 12:05 AM	44.7	49.4	43.6
12:05 AM - 12:10 AM	44.7	44.7	43.5
12:10 AM - 12:15 AM	45.0	48.5	43.9
12:15 AM - 12:20 AM	44.1	45.2	43.5
12:20 AM - 12:25 AM	44.4	48.1	43.8
12:25 AM - 12:30 AM	44.1	45.1	43.3
12:30 AM - 12:35 AM	43.4	48.3	42.8
12:35 AM - 12:40 AM	43.6	45.2	42.0
12:40 AM - 12:45 AM	43.6	45.6	42.8
12:45 AM - 12:50 AM	44.1	46.1	43.4

Approved by

Wilawan Bortrak
Manager

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RIGHT SOLUTIONS RIGHT PARTNER



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italthai Tow, New Petchburi Road, Bangkapi, Huaykvang, Bangkok
Thailand 10310
P/O : RIN-ICB-033/66
Project Name : Laemchabang
Project Location :
Page 2 of 3

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163530-1

Sample No. : 24110378-14
Parameter : Noise
Location : N2 : เขตอุตสาหกรรมตอนล่าง 3 (GPS 47P 714555, 1441873) (Shut down)
Measurement Date : Nov 01 - 02, 2024
Measurement by : Santi Chachana
Sound Level Meter : 0122578

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:15 AM - 04:20 AM	47.3	57.2	44.4
04:20 AM - 04:25 AM	47.5	57.4	44.4
04:25 AM - 04:30 AM	47.1	52.2	44.5
04:30 AM - 04:35 AM	46.0	54.0	42.5
04:35 AM - 04:40 AM	45.6	54.6	44.2
04:40 AM - 04:45 AM	45.9	51.4	44.1
04:45 AM - 04:50 AM	46.5	51.3	44.3
04:50 AM - 04:55 AM	47.3	52.5	44.5
04:55 AM - 05:00 AM	47.5	53.3	44.1
05:00 AM - 05:05 AM	48.5	54.0	44.9
05:05 AM - 05:10 AM	46.3	54.3	45.0
05:10 AM - 05:15 AM	49.0	54.3	45.8
05:15 AM - 05:20 AM	46.5	54.5	45.5
05:20 AM - 05:25 AM	49.1	54.5	46.2
05:25 AM - 05:30 AM	48.2	53.1	45.5
05:30 AM - 05:35 AM	48.3	52.7	46.0
05:35 AM - 05:40 AM	49.1	54.0	46.4
05:40 AM - 05:45 AM	50.5	54.9	47.1
05:45 AM - 05:50 AM	51.0	54.8	47.9
05:50 AM - 05:55 AM	50.9	55.2	47.8
05:55 AM - 06:00 AM	50.5	55.4	47.2
06:00 AM - 06:05 AM	51.0	57.7	49.4
06:05 AM - 06:10 AM	53.0	59.7	51.8
06:10 AM - 06:15 AM	51.8	63.5	50.9
06:15 AM - 06:20 AM	54.2	72.5	53.0
06:20 AM - 06:25 AM	54.7	75.0	49.7
06:25 AM - 06:30 AM	53.9	74.5	47.0
06:30 AM - 06:35 AM	50.7	75.6	44.1
06:35 AM - 06:40 AM	52.7	69.3	48.1
06:40 AM - 06:45 AM	54.0	71.2	49.2
06:45 AM - 06:50 AM	56.5	75.1	52.4
06:50 PM - 07:00 PM	54.6	73.0	47.4

Reference Method :

1. ISO 9696-1
2. ข้อมูลการตรวจวัดเสียงตามวิธีมาตรฐานของกรมส่งเสริมการค้าระหว่างประเทศ กระทรวงพาณิชย์ 24 หน้า และระเบียบของกรมส่งเสริมการค้าระหว่างประเทศ เรื่องการตรวจวัดเสียง

Approved by

Wilawan Bortrak
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italthai Tow, New Petchburi Road, Bangkapi, Huaykvang, Bangkok
Thailand 10310
P/O : RIN-ICB-033/66
Project Name : Laemchabang
Project Location :
Page 2 of 3

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163531-1

Sample No. : 24110378-15
Parameter : Noise
Location : N3 : เขตอุตสาหกรรมตอนล่าง 4 (GPS 47P 711927, 1441556) (Shut down)
Measurement Date : Oct 26 - 27, 2024
Measurement by : Santi Chachana
Sound Level Meter : 01222723

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:55 AM - 01:00 AM	45.5	45.5	43.1
01:00 AM - 01:05 AM	54.0	54.0	42.8
01:05 AM - 01:10 AM	44.1	45.8	43.4
01:10 AM - 01:15 AM	44.6	41.8	41.8
01:15 AM - 01:20 AM	44.6	76.1	43.7
01:20 AM - 01:25 AM	51.0	71.5	50.3
01:25 AM - 01:30 AM	55.4	63.2	50.9
01:30 AM - 01:35 AM	46.1	54.3	44.9
01:35 AM - 01:40 AM	44.5	47.1	43.6
01:40 AM - 01:45 AM	44.2	49.4	43.4
01:45 AM - 01:50 AM	44.3	54.0	43.3
01:50 AM - 01:55 AM	49.0	55.5	42.9
01:55 AM - 02:00 AM	48.8	62.9	43.4
02:00 AM - 02:05 AM	46.2	55.7	42.4
02:05 AM - 02:10 AM	46.3	61.3	42.7
02:10 AM - 02:15 AM	45.6	58.6	43.3
02:15 AM - 02:20 AM	46.7	52.9	43.4
02:20 AM - 02:25 AM	43.0	45.8	43.0
02:25 AM - 02:30 AM	43.9	57.9	42.5
02:30 AM - 02:35 AM	43.6	49.8	43.0
02:35 AM - 02:40 AM	43.6	60.2	43.0
02:40 AM - 02:45 AM	43.7	45.5	42.5
02:45 AM - 02:50 AM	43.4	45.0	42.4
02:50 AM - 02:55 AM	43.9	45.2	42.2
02:55 AM - 03:00 AM	43.0	45.9	42.1
03:00 AM - 03:05 AM	43.5	49.4	42.3
03:05 AM - 03:10 AM	43.3	46.1	42.1
03:10 AM - 03:15 AM	50.8	64.7	42.6
03:15 AM - 03:20 AM	43.5	46.8	42.5
03:20 AM - 03:25 AM	43.6	49.2	42.8
03:25 AM - 03:30 AM	43.5	44.7	42.8
03:30 AM - 03:35 AM	44.0	45.5	43.2
03:35 AM - 03:40 AM	44.0	45.3	43.5
03:40 AM - 03:45 AM	43.6	44.9	43.2
03:45 AM - 03:50 AM	42.6	63.6	43.2
03:50 AM - 03:55 AM	46.9	64.7	43.3
03:55 AM - 04:00 AM	47.5	66.9	43.5
04:00 AM - 04:05 AM	43.8	69.7	43.7
04:05 AM - 04:10 AM	44.3	49.7	43.7

Approved by

Wilawan Bortrak
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :
Sample No. : 24110378-15
Parameter : Noise
Location : ถนนพหลโยธิน กม. 4 (GPS 47P 713927, 1441556) (Shut down)
Measurement Date : Oct 26 - 27, 2024
Measurement by : Santi Chaihana
Sound Level Meter : 01222723

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163531-1

Page 3 of 3

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:10 AM - 04:15 AM	44.2	45.8	43.7
04:15 AM - 04:20 AM	44.8	46.4	43.9
04:20 AM - 04:25 AM	44.5	46.1	44.1
04:25 AM - 04:30 AM	44.6	45.7	44.2
04:30 AM - 04:35 AM	44.8	46.4	44.2
04:35 AM - 04:40 AM	45.6	46.2	45.0
04:40 AM - 04:45 AM	44.6	45.7	44.2
04:45 AM - 04:50 AM	44.4	46.0	43.9
04:50 AM - 04:55 AM	44.7	45.5	43.9
04:55 AM - 05:00 AM	44.6	45.4	44.2
05:00 AM - 05:05 AM	44.8	45.6	44.5
05:05 AM - 05:10 AM	45.2	46.3	44.8
05:10 AM - 05:15 AM	45.1	46.0	44.8
05:15 AM - 05:20 AM	46.2	46.4	45.1
05:20 AM - 05:25 AM	45.3	46.4	44.7
05:25 AM - 05:30 AM	46.7	45.8	45.0
05:30 AM - 05:35 AM	44.9	45.9	44.5
05:35 AM - 05:40 AM	49.2	61.3	44.7
05:40 AM - 05:45 AM	47.1	60.4	44.6
05:45 AM - 05:50 AM	46.7	55.5	43.8
05:50 AM - 05:55 AM	45.5	54.1	43.7
05:55 AM - 06:00 AM	44.8	51.1	43.8
06:00 AM - 06:05 AM	44.3	42.4	41.4
06:05 AM - 06:10 AM	45.1	61.6	42.7
06:10 AM - 06:15 AM	44.3	60.3	40.1
06:15 AM - 06:20 AM	44.0	57.3	40.3
06:20 AM - 06:25 AM	44.0	55.9	40.5
06:25 AM - 06:30 AM	43.9	61.9	39.7
06:30 AM - 06:35 AM	42.2	52.4	38.7
06:35 AM - 06:40 AM	43.0	55.0	39.4
06:40 AM - 06:45 AM	40.9	54.3	38.6
06:45 AM - 06:50 AM	43.2	62.3	40.3

Reference Method :

- ISO 1996-1
- ใช้มาตรฐานการวัดและประเมินค่าเสียงตามวิธีมาตรฐาน 24 ชั่วโมง ตามเงื่อนไขของสถานที่ตรวจวัดเสียงตามข้อกำหนดของกรมส่งเสริมการค้าระหว่างประเทศ พ.ศ. 2567

The data results are valid only for the specified test period. It is indicated in this report for the test period. The data results are not valid for any other period without written consent from the laboratory. ALS Laboratory Limited (Thailand) Co., Ltd. warrants that this report is not valid for any other period without written consent from the laboratory.

Approved by

Wilawan Bittarak
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :
Sample No. : 24110378-16
Parameter : Noise
Location : ถนนพหลโยธิน กม. 4 (GPS 47P 713927, 1441556) (Shut down)
Measurement Date : Oct 27 - 28, 2024
Measurement by : Santi Chaihana
Sound Level Meter : 01222723

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163532-1

Page 1 of 3

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 PM - 05:00 PM	43.4	57.7	43.4
05:00 PM - 06:00 PM	46.2	62.5	43.0
06:00 PM - 07:00 PM	47.4	58.3	45.8
07:00 PM - 08:00 PM	46.1	61.1	43.1
08:00 PM - 09:00 PM	44.5	60.5	41.5
09:00 PM - 10:00 PM	47.6	61.5	46.5
10:00 PM - 10:05 PM	46.6	54.7	48.0
10:05 PM - 10:10 PM	49.8	53.0	48.1
10:10 PM - 10:15 PM	49.9	60.3	48.4
10:15 PM - 10:20 PM	51.9	62.7	47.4
10:20 PM - 10:25 PM	54.5	66.9	48.3
10:25 PM - 10:30 PM	50.2	61.0	47.8
10:30 PM - 10:35 PM	47.7	50.3	47.4
10:35 PM - 10:40 PM	47.6	48.4	47.3
10:40 PM - 10:45 PM	47.7	48.6	47.3
10:45 PM - 10:50 PM	45.2	48.6	47.4
10:50 PM - 10:55 PM	47.8	49.4	47.4
10:55 PM - 11:00 PM	48.1	49.3	47.7
11:00 PM - 11:05 PM	47.8	50.1	47.5
11:05 PM - 11:10 PM	47.9	48.8	47.5
11:10 PM - 11:15 PM	48.0	49.9	47.6
11:15 PM - 11:20 PM	48.2	51.4	47.7
11:20 PM - 11:25 PM	48.0	53.9	47.3
11:25 PM - 11:30 PM	47.8	50.3	47.4
11:30 PM - 11:35 PM	47.5	48.9	47.1
11:35 PM - 11:40 PM	47.7	54.7	47.0
11:40 PM - 11:45 PM	47.7	50.3	47.2
11:45 PM - 11:50 PM	47.2	48.4	46.7
11:50 PM - 12:00 AM	47.0	48.9	46.6
11:55 PM - 12:00 AM	47.3	48.7	46.7
12:00 AM - 12:05 AM	47.5	58.1	46.7
12:05 AM - 12:10 AM	47.2	49.1	46.7
12:10 AM - 12:15 AM	46.7	49.1	46.2
12:15 AM - 12:20 AM	46.9	50.9	46.5
12:20 AM - 12:25 AM	46.9	48.8	46.5
12:25 AM - 12:30 AM	46.4	49.0	46.3
12:30 AM - 12:35 AM	46.4	48.0	46.0
12:35 AM - 12:40 AM	46.8	51.0	46.1
12:40 AM - 12:45 AM	46.3	47.6	46.0
12:45 AM - 12:50 AM	46.4	50.1	45.9

The data results are valid only for the specified test period. It is indicated in this report for the test period. The data results are not valid for any other period without written consent from the laboratory. ALS Laboratory Limited (Thailand) Co., Ltd. warrants that this report is not valid for any other period without written consent from the laboratory.

Approved by

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Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :
Sample No. : 24110378-16
Parameter : Noise
Location : ถนนพหลโยธิน กม. 4 (GPS 47P 713927, 1441556) (Shut down)
Measurement Date : Oct 27 - 28, 2024
Measurement by : Santi Chaihana
Sound Level Meter : 01222723

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163532-1

Page 2 of 3

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:10 AM - 12:15 AM	46.1	47.5	45.8
12:15 AM - 01:00 AM	46.2	52.8	45.5
01:00 AM - 01:05 AM	46.4	56.6	45.4
01:05 AM - 01:10 AM	45.4	40.7	45.0
01:10 AM - 01:15 AM	45.9	46.1	44.6
01:15 AM - 01:20 AM	45.3	44.3	44.3
01:20 AM - 01:25 AM	44.4	46.0	44.0
01:25 AM - 01:30 AM	44.6	46.4	44.4
01:30 AM - 01:35 AM	44.6	45.8	44.2
01:35 AM - 01:40 AM	44.4	45.4	44.1
01:40 AM - 01:45 AM	44.7	44.2	44.1
01:45 AM - 01:50 AM	44.9	46.6	44.5
01:50 AM - 01:55 AM	44.9	47.6	44.5
01:55 AM - 02:00 AM	45.5	51.3	44.6
02:00 AM - 02:05 AM	45.4	46.1	44.8
02:05 AM - 02:10 AM	44.9	52.8	44.3
02:10 AM - 02:15 AM	44.9	46.3	44.5
02:15 AM - 02:20 AM	44.6	45.4	44.2
02:20 AM - 02:25 AM	44.9	53.8	44.3
02:25 AM - 02:30 AM	44.6	45.4	44.2
02:30 AM - 02:35 AM	44.5	47.2	44.1
02:35 AM - 02:40 AM	44.2	45.0	43.8
02:40 AM - 02:45 AM	44.4	48.1	44.1
02:45 AM - 02:50 AM	45.5	57.1	44.1
02:50 AM - 02:55 AM	44.6	45.9	44.1
02:55 AM - 03:00 AM	44.8	48.7	44.0
03:00 AM - 03:05 AM	43.7	46.6	43.2
03:05 AM - 03:10 AM	44.9	46.9	43.8
03:10 AM - 03:15 AM	44.4	46.5	43.7
03:15 AM - 03:20 AM	45.2	49.7	44.1
03:20 AM - 03:25 AM	44.3	45.4	43.7
03:25 AM - 03:30 AM	44.6	46.3	44.0
03:30 AM - 03:35 AM	44.3	45.3	43.5
03:35 AM - 03:40 AM	43.6	48.5	43.0
03:40 AM - 03:45 AM	43.8	43.2	42.9
03:45 AM - 03:50 AM	43.7	44.8	43.0
03:50 AM - 03:55 AM	44.3	46.3	43.6
03:55 AM - 04:00 AM	43.8	45.7	43.3
04:00 AM - 04:05 AM	54.2	74.7	43.0
04:05 AM - 04:10 AM	44.3	46.0	43.6

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Approved by

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :
Sample No. : 24110378-16
Parameter : Noise
Location : ถนนพหลโยธิน กม. 4 (GPS 47P 713927, 1441556) (Shut down)
Measurement Date : Oct 27 - 28, 2024
Measurement by : Santi Chaihana
Sound Level Meter : 01222723

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163532-1

Page 3 of 3

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:10 AM - 04:15 AM	44.8	62.0	43.2
04:15 AM - 04:20 AM	44.8	62.7	43.8
04:20 AM - 04:25 AM	50.2	71.7	50.5
04:25 AM - 04:30 AM	55.6	64.4	51.1
04:30 AM - 04:35 AM	45.6	54.5	45.1
04:35 AM - 04:40 AM	44.3	47.3	43.8
04:40 AM - 04:45 AM	44.4	49.6	43.6
04:45 AM - 04:50 AM	45.8	54.2	43.5
04:50 AM - 04:55 AM	45.2	55.7	43.1
04:55 AM - 05:00 AM	49.0	63.1	43.6
05:00 AM - 05:05 AM	46.4	55.9	43.6
05:05 AM - 05:10 AM	47.6	61.5	43.9
05:10 AM - 05:15 AM	45.8	56.8	43.5
05:15 AM - 05:20 AM	44.9	53.1	43.6
05:20 AM - 05:25 AM	43.8	46.0	43.2
05:25 AM - 05:30 AM	44.1	56.1	42.7
05:30 AM - 05:35 AM	43.8	45.0	43.2
05:35 AM - 05:40 AM	44.5	60.4	43.2
05:40 AM - 05:45 AM	43.6	45.7	42.7
05:45 AM - 05:50 AM	43.9	48.2	43.4
05:50 AM - 05:55 AM	43.6	45.2	42.6
05:55 AM - 06:00 AM	43.1	44.1	42.4
06:00 AM - 07:00 AM	46.4	61.4	43.0
07:00 AM - 08:00 AM	45.1	69.9	44.2
08:00 AM - 09:00 AM	46.1	63.5	44.8
09:00 AM - 10:00 AM	46.3	57.5	44.9
10:00 AM - 11:00 AM	45.7	62.6	42.5
11:00 AM - 12:00 PM	44.5	60.5	40.3
12:00 PM - 01:00 PM	46.2	57.5	42.5
01:00 PM - 02:00 PM	43.8	56.1	40.4
02:00 PM - 03:00 PM	44.5	62.1	40.3
03:00 PM - 04:00 PM	42.4	39.9	38.9

Reference Method :

- ISO 1996-1
- ใช้มาตรฐานการวัดและประเมินค่าเสียงตามวิธีมาตรฐาน 24 ชั่วโมง ตามเงื่อนไขของสถานที่ตรวจวัดเสียงตามข้อกำหนดของกรมส่งเสริมการค้าระหว่างประเทศ พ.ศ. 2567

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Approved by

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Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italbhai Towee, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RJA-LCB-037/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163533-1

Page 1 of 3

Sample No. : 24110378-17
Parameter : Noise
Location : N3 : ถนนพหลโยธิน/ถนน รพช 4 (GPS 47P 713927, 1441556) (Shut down)
Measurement Date : Oct 28 - 29, 2024
Measurement by : Santi Chaihana
Sound Level Meter : 01222723

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 PM - 05:00 PM	44.8	55.6	39.5
05:00 PM - 06:00 PM	41.8	55.5	38.6
06:00 PM - 07:00 PM	43.4	62.5	40.5
07:00 PM - 08:00 PM	43.8	57.9	43.5
08:00 PM - 09:00 PM	46.2	62.8	46.3
09:00 PM - 10:00 PM	47.5	58.5	45.9
10:00 PM - 10:30 PM	47.1	56.7	45.7
10:30 PM - 11:00 PM	46.8	50.0	45.7
11:00 PM - 11:30 PM	47.3	53.9	45.7
11:30 PM - 12:00 PM	47.6	49.9	45.9
12:00 PM - 12:30 PM	48.1	53.3	45.7
12:30 PM - 13:00 PM	49.5	51.6	45.7
13:00 PM - 13:30 PM	46.5	60.6	38.7
13:30 PM - 14:00 PM	45.8	58.7	39.1
14:00 PM - 14:30 PM	46.5	50.0	40.4
14:30 PM - 15:00 PM	41.7	48.6	38.2
15:00 PM - 15:30 PM	43.2	55.5	39.0
15:30 PM - 16:00 PM	46.1	48.7	38.5
16:00 PM - 16:30 PM	41.0	47.9	39.7
16:30 PM - 17:00 PM	46.7	46.0	39.8
17:00 PM - 17:30 PM	41.3	47.5	39.1
17:30 PM - 18:00 PM	42.3	50.4	39.6
18:00 PM - 18:30 PM	46.7	54.9	41.6
18:30 PM - 19:00 PM	47.2	56.0	40.9
19:00 PM - 19:30 PM	46.6	56.1	41.5
19:30 PM - 20:00 PM	47.3	53.1	41.3
20:00 PM - 20:30 PM	43.5	54.7	41.8
20:30 PM - 21:00 PM	42.5	50.3	41.2
21:00 PM - 21:30 PM	46.5	54.6	41.7
21:30 PM - 22:00 PM	42.5	49.9	41.4
22:00 PM - 12:05 AM	42.3	47.2	41.6
12:05 AM - 12:10 AM	43.0	49.7	42.0
12:10 AM - 12:15 AM	48.1	61.0	42.6
12:15 AM - 12:20 AM	44.9	52.1	43.1
12:20 AM - 12:25 AM	47.0	27.9	44.2
12:25 AM - 12:30 AM	44.9	49.0	44.3
12:30 AM - 12:35 AM	46.5	57.1	45.0
12:35 AM - 12:40 AM	47.6	49.6	46.4
12:40 AM - 12:45 AM	47.3	50.1	47.0
12:45 AM - 12:50 AM	48.1	52.0	47.5

The above results are valid only for the area and time period specified. It is not intended to be used for any other purpose. The results are the property of ALS and shall not be reproduced without the written consent of ALS. The results are the property of ALS and shall not be reproduced without the written consent of ALS.

Approved by

Wibawan Borik
Manager

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ALS (THAILAND) CO., LTD. (INCORPORATED IN THAILAND)



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italbhai Towee, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RJA-LCB-037/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163533-1

Page 2 of 3

Sample No. : 24110378-17
Parameter : Noise
Location : N3 : ถนนพหลโยธิน/ถนน รพช 4 (GPS 47P 713927, 1441556) (Shut down)
Measurement Date : Oct 28 - 29, 2024
Measurement by : Santi Chaihana
Sound Level Meter : 01222723

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:50 AM - 12:55 AM	43.1	50.2	47.8
12:55 AM - 01:00 AM	46.7	54.9	48.0
01:00 AM - 01:05 AM	46.4	53.6	47.7
01:05 AM - 01:10 AM	46.1	54.2	47.5
01:10 AM - 01:15 AM	48.3	52.5	47.6
01:15 AM - 01:20 AM	49.4	59.8	47.9
01:20 AM - 01:25 AM	51.4	62.2	47.6
01:25 AM - 01:30 AM	54.0	64.4	47.8
01:30 AM - 01:35 AM	49.7	60.5	47.3
01:35 AM - 01:40 AM	47.2	49.8	46.9
01:40 AM - 01:45 AM	47.1	47.9	46.8
01:45 AM - 01:50 AM	47.2	48.1	46.8
01:50 AM - 01:55 AM	48.7	67.5	46.9
01:55 AM - 02:00 AM	47.3	58.7	46.9
02:00 AM - 02:05 AM	47.6	49.6	47.2
02:05 AM - 02:10 AM	47.3	49.6	47.0
02:10 AM - 02:15 AM	47.1	48.3	47.0
02:15 AM - 02:20 AM	47.5	49.4	47.1
02:20 AM - 02:25 AM	47.7	50.9	47.2
02:25 AM - 02:30 AM	47.5	53.4	46.8
02:30 AM - 02:35 AM	47.3	49.8	46.9
02:35 AM - 02:40 AM	47.0	48.4	46.6
02:40 AM - 02:45 AM	47.2	54.2	46.5
02:45 AM - 02:50 AM	47.7	48.8	46.7
02:50 AM - 02:55 AM	45.7	47.9	46.2
02:55 AM - 03:00 AM	46.5	48.4	46.1
03:00 AM - 03:05 AM	46.8	48.2	46.4
03:05 AM - 03:10 AM	47.6	52.6	46.2
03:10 AM - 03:15 AM	46.7	48.6	46.2
03:15 AM - 03:20 AM	46.2	48.6	45.7
03:20 AM - 03:25 AM	46.4	50.2	46.0
03:25 AM - 03:30 AM	46.4	48.3	46.0
03:30 AM - 03:35 AM	46.3	48.5	45.8
03:35 AM - 03:40 AM	45.9	47.5	45.5
03:40 AM - 03:45 AM	46.3	50.5	45.6
03:45 AM - 03:50 AM	45.8	47.1	45.5
03:50 AM - 03:55 AM	45.9	49.6	45.4
03:55 AM - 04:00 AM	45.5	47.0	45.3
04:00 AM - 04:05 AM	45.7	52.1	45.0
04:05 AM - 04:10 AM	45.9	56.1	44.9

The above results are valid only for the area and time period specified. It is not intended to be used for any other purpose. The results are the property of ALS and shall not be reproduced without the written consent of ALS. The results are the property of ALS and shall not be reproduced without the written consent of ALS.

Approved by

Wibawan Borik
Manager

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ALS (THAILAND) CO., LTD. (INCORPORATED IN THAILAND)



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italbhai Towee, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RJA-LCB-037/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163533-1

Page 1 of 3

Sample No. : 24110378-17
Parameter : Noise
Location : N3 : ถนนพหลโยธิน/ถนน รพช 4 (GPS 47P 713927, 1441556) (Shut down)
Measurement Date : Oct 28 - 29, 2024
Measurement by : Santi Chaihana
Sound Level Meter : 01222723

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:10 AM - 04:15 AM	44.9	47.2	44.5
04:15 AM - 04:20 AM	46.3	45.6	44.1
04:20 AM - 04:25 AM	46.8	54.6	43.8
04:25 AM - 04:30 AM	43.9	45.5	43.5
04:30 AM - 04:35 AM	45.9	43.7	43.7
04:35 AM - 04:40 AM	44.1	45.3	42.7
04:40 AM - 04:45 AM	44.9	44.9	43.6
04:45 AM - 04:50 AM	44.2	47.2	43.6
04:50 AM - 04:55 AM	44.1	46.1	44.0
04:55 AM - 05:00 AM	44.4	47.1	44.0
05:00 AM - 05:05 AM	45.0	50.8	44.1
05:05 AM - 05:10 AM	46.9	47.6	44.3
05:10 AM - 05:15 AM	46.9	52.3	43.8
05:15 AM - 05:20 AM	44.4	49.8	44.0
05:20 AM - 05:25 AM	46.3	44.9	43.7
05:25 AM - 05:30 AM	44.6	53.3	43.8
05:30 AM - 05:35 AM	44.1	44.9	43.7
05:35 AM - 05:40 AM	44.0	46.7	43.6
05:40 AM - 05:45 AM	43.7	44.5	43.3
05:45 AM - 05:50 AM	43.9	44.6	43.6
05:50 AM - 05:55 AM	45.0	56.6	43.6
05:55 AM - 06:00 AM	44.1	45.4	43.6
06:00 AM - 06:05 AM	43.8	49.1	43.1
06:05 AM - 06:10 AM	54.1	75.8	45.5
06:10 AM - 06:15 AM	45.0	62.6	42.8
06:15 AM - 06:20 AM	47.1	68.4	42.4
06:20 AM - 06:25 AM	44.9	69.4	43.7
06:25 AM - 06:30 AM	45.5	63.0	43.0
06:30 AM - 06:35 AM	47.0	57.0	42.7
06:35 AM - 06:40 AM	46.3	62.1	42.0
06:40 AM - 06:45 AM	44.3	61.3	39.9
06:45 AM - 06:50 AM	43.5	57.0	39.8

Reference Method :
1. ISO 1996-1
2. ตามมาตรฐานวิธีวัดและประเมินค่าผลกระทบจากเสียงรบกวนของประเทศไทย ฉบับแก้ไขล่าสุด พ.ศ. 2567

Approved by

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ALS (THAILAND) CO., LTD. (INCORPORATED IN THAILAND)



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italbhai Towee, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RJA-LCB-037/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163533-1

Page 1 of 3

Sample No. : 24110378-18
Parameter : Noise
Location : N3 : ถนนพหลโยธิน/ถนน รพช 4 (GPS 47P 713927, 1441556) (Shut down)
Measurement Date : Oct 29 - 30, 2024
Measurement by : Santi Chaihana
Sound Level Meter : 01222723

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 PM - 05:00 PM	43.2	55.6	39.8
05:00 PM - 06:00 PM	44.3	61.6	40.2
06:00 PM - 07:00 PM	41.6	59.4	39.4
07:00 PM - 08:00 PM	45.1	55.1	39.0
08:00 PM - 09:00 PM	41.8	55.0	39.0
09:00 PM - 10:00 PM	42.9	62.0	39.9
10:00 PM - 10:30 PM	42.7	58.3	40.3
10:30 PM - 10:35 PM	43.7	53.1	40.4
10:35 PM - 10:40 PM	42.6	53.2	41.0
10:40 PM - 10:45 PM	41.7	50.2	40.7
10:45 PM - 10:50 PM	41.3	52.2	40.7
10:50 PM - 10:55 PM	42.3	47.2	40.7
10:55 PM - 11:00 PM	42.2	44.2	41.5
11:00 PM - 11:05 PM	42.1	54.8	41.7
11:05 PM - 11:10 PM	42.5	50.9	41.3
11:10 PM - 11:15 PM	45.1	57.4	41.0
11:15 PM - 11:20 PM	44.5	54.8	42.1
11:20 PM - 11:25 PM	44.5	57.1	41.7
11:25 PM - 11:30 PM	41.9	47.1	40.7
11:30 PM - 11:35 PM	41.4	44.8	40.7
11:35 PM - 11:40 PM	47.1	62.3	42.1
11:40 PM - 11:45 PM	43.1	56.5	42.6
11:45 PM - 11:50 PM	45.9	54.0	42.5
11:50 PM - 11:55 PM	45.3	56.5	43.6
11:55 PM - 12:00 PM	46.1	56.9	43.2
12:00 PM - 12:05 PM	45.2	63.8	41.7
12:05 PM - 12:10 PM	44.6	51.9	42.0
12:10 PM - 12:15 PM	45.7	54.4	43.1
12:15 PM - 12:20 PM	47.7	59.0	43.2
12:20 PM - 12:25 PM	46.2	51.6	42.7
12:25 AM - 12:30 AM	45.3	53.5	44.0
12:30 AM - 12:35 AM	45.0	58.0	41.9
12:35 AM - 12:40 AM	44.6	56.1	42.1
12:40 AM - 12:45 AM	44.2	48.5	41.9
12:45 AM - 12:50 AM	45.1	49.4	43.7
12:50 AM - 12:55 AM	46.4	56.6	44.8
12:55 AM - 13:00 AM	46.7	50.9	42.7
13:00 AM - 13:05 AM	47.8	50.6	46.7
13:05 AM - 13:10 AM	49.2	53.4	46.8

The above results are valid only for the area and time period specified. It is not intended to be used for any other purpose. The results are the property of ALS and shall not be reproduced without the written consent of ALS. The results are the property of ALS and shall not be reproduced without the written consent of ALS.

Approved by

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ALS (THAILAND) CO., LTD. (INCORPORATED IN THAILAND)



Lot ID: 24110378
Date Received :Nov 06, 2024
Date Reported :Nov 15, 2024
Report No. : 3163535-1

Page 3 of 3

Reference Method :
1. ISO 1996-1
2. องค์การอนามัยโลกและสหประชาชาติ เรื่อง 15 การตรวจวัดเสียงและการควบคุม การรบกวนเสียงของชุมชน 24 ชั่วโมง และระดับเสียงของสถานที่ราชการการประกอบกิจการโรงงาน พ.ศ. 2562

Approved by _____

Wilson Bon
Manager

TEL: 090-616710 Moo 5 T. Maenam Khu A. Pluekdaeng Rayong 21140 Thailand Fax: 090-616710 E-mail: +66 0 3304 8555 Web: +66 0 3304 8556



Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163536-1

Page 1 of 3

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Lot ID: 24110378
Date Received :Nov 06, 2024
Date Reported :Nov 15, 2024
Report No. : 3163536-1

Page 2 of 3

*The above results are valid only for the unadjusted, limited sample of 100 respondents in the survey. In part of the analysis, the data may be restricted to only those who did not respond to the survey. Results may vary. All figures are in U.S. dollars.

Approved by _____

Wilawan Berrak
Manager

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Lot ID: 24110378
Date Received :Nov 06, 2024
Date Reported :Nov 15, 2024
Report No. : 3163536-1

Page 3 of 3

Reference Method :
1. ISO 1996-1

Approved by _____

William B. ...
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-03/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110378
Date Received: Nov 06, 2024
Date Reported: Nov 15, 2024
Report No.: 3163537-1

Sample No. 24110378-21
Parameter Noise
Location N3 : ถนนพหลโยธินข้ามทางรถไฟ 4 (GPS 47P 713927, 1441556) (Shut down)
Measurement Date Nov 01 - 02, 2024
Measurement by Santi Chalkhana
Sound Level Meter 01222723

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 PM - 05:00 PM	55.5	77.3	46.9
05:00 PM - 06:00 PM	47.3	64.3	44.4
06:00 PM - 07:00 PM	49.0	69.9	43.8
07:00 PM - 08:00 PM	46.5	70.9	44.9
08:00 PM - 09:00 PM	46.5	59.6	45.8
09:00 PM - 10:00 PM	46.2	62.5	44.1
10:00 PM - 10:05 PM	46.6	56.3	42.7
10:05 PM - 10:10 PM	46.1	57.7	41.7
10:10 PM - 10:15 PM	42.4	52.8	41.0
10:15 PM - 10:20 PM	44.4	50.0	42.1
10:20 PM - 10:25 PM	46.3	63.6	41.5
10:25 PM - 10:30 PM	45.1	51.0	42.5
10:30 PM - 10:35 PM	45.5	55.0	41.2
10:35 PM - 10:40 PM	45.8	52.0	43.4
10:40 PM - 10:45 PM	46.2	51.8	44.2
10:45 PM - 10:50 PM	46.1	58.1	43.3
10:50 PM - 10:55 PM	45.1	49.7	42.9
10:55 PM - 11:00 PM	45.2	49.8	43.1
11:00 PM - 11:05 PM	49.0	58.7	45.3
11:05 PM - 11:10 PM	48.2	57.1	45.3
11:10 PM - 11:15 PM	45.6	52.5	43.1
11:15 PM - 11:20 PM	47.6	62.8	42.9
11:20 PM - 11:25 PM	43.6	51.6	39.7
11:25 PM - 11:30 PM	44.0	55.5	40.3
11:30 PM - 11:35 PM	44.5	56.0	41.2
11:35 PM - 11:40 PM	46.5	52.6	43.2
11:40 PM - 11:45 PM	46.4	59.6	41.8
11:45 PM - 11:50 PM	48.8	61.5	41.3
11:50 PM - 11:55 PM	44.8	49.3	41.4
11:55 PM - 12:00 AM	42.7	52.0	38.5
12:00 AM - 12:05 AM	47.4	53.4	43.2
12:05 AM - 12:10 AM	44.1	53.9	39.5
12:10 AM - 12:15 AM	44.4	48.3	41.3
12:15 AM - 12:20 AM	44.6	53.2	41.3
12:20 AM - 12:25 AM	43.7	50.4	40.7
12:25 AM - 12:30 AM	46.3	51.2	41.9
12:30 AM - 12:35 AM	45.4	51.5	42.2
12:35 AM - 12:40 AM	44.6	53.9	41.4
12:40 AM - 12:45 AM	45.6	52.6	42.5
12:45 AM - 12:50 AM	46.7	51.5	41.1

The above results are valid only for the specified test conditions. No other data is included in this report. For full details of the test method, please refer to the ALS Laboratory Group (Thailand) Ltd. website or contact the ALS Laboratory Group (Thailand) Ltd. directly.

Approved by

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-03/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110378
Date Received: Nov 06, 2024
Date Reported: Nov 15, 2024
Report No.: 3163537-1

Sample No. 24110378-21
Parameter Noise
Location N3 : ถนนพหลโยธินข้ามทางรถไฟ 4 (GPS 47P 713927, 1441556) (Shut down)
Measurement Date Nov 01 - 02, 2024
Measurement by Santi Chalkhana
Sound Level Meter 01222723

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:10 AM - 04:15 AM	43.9	45.8	40.0
04:15 AM - 04:20 AM	45.5	53.0	39.6
04:20 AM - 04:25 AM	43.4	49.8	38.3
04:25 AM - 04:30 AM	44.8	50.1	40.1
04:30 AM - 04:35 AM	42.3	47.7	39.2
04:35 AM - 04:40 AM	40.2	38.1	38.1
04:40 AM - 04:45 AM	43.6	47.7	40.1
04:45 AM - 04:50 AM	40.7	51.9	38.4
04:50 AM - 04:55 AM	46.5	53.7	42.1
04:55 AM - 05:00 AM	47.0	55.8	39.0
05:00 AM - 05:05 AM	48.0	54.9	41.4
05:05 AM - 05:10 AM	46.3	56.6	41.4
05:10 AM - 05:15 AM	46.6	54.4	43.6
05:15 AM - 05:20 AM	46.9	51.2	40.1
05:20 AM - 05:25 AM	48.2	56.5	40.0
05:25 AM - 05:30 AM	41.5	47.0	39.4
05:30 AM - 05:35 AM	47.4	46.7	46.6
05:35 AM - 05:40 AM	39.9	41.5	38.3
05:40 AM - 05:45 AM	40.1	43.5	38.1
05:45 AM - 05:50 AM	42.2	47.4	38.9
05:50 AM - 05:55 AM	41.1	42.4	39.2
05:55 AM - 06:00 AM	41.0	50.2	39.4
06:00 AM - 07:00 PM	44.1	63.5	40.5
07:00 AM - 08:00 AM	44.1	54.7	42.2
08:00 AM - 09:00 AM	46.5	61.8	41.5
09:00 AM - 10:00 AM	47.6	60.5	45.4
10:00 AM - 11:00 AM	46.0	62.3	46.9
11:00 AM - 12:00 PM	45.7	61.7	41.8
12:00 PM - 01:00 PM	46.9	62.7	45.0
01:00 PM - 02:00 PM	51.2	64.1	49.3
02:00 PM - 03:00 PM	49.2	68.2	46.6
03:00 PM - 04:00 PM	48.3	59.9	42.8

Reference Method :

- ISO 1996-1
- ตามมาตรฐานของกรมส่งเสริมการค้าระหว่างประเทศ กระทรวงพาณิชย์ เรื่อง มาตรฐานการวัดและประเมินผลกระทบทางเสียงจากกิจกรรมในชุมชน พ.ศ. 2567

The above results are valid only for the specified test conditions. No other data is included in this report. For full details of the test method, please refer to the ALS Laboratory Group (Thailand) Ltd. website or contact the ALS Laboratory Group (Thailand) Ltd. directly.

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Analysis / Test Report

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Thailand 10310
P/O : RJN-LCB-03/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110378
Date Received: Nov 06, 2024
Date Reported: Nov 15, 2024
Report No.: 3163537-1

Sample No. 24110378-21
Parameter Noise
Location N3 : ถนนพหลโยธินข้ามทางรถไฟ 4 (GPS 47P 713927, 1441556) (Shut down)
Measurement Date Nov 01 - 02, 2024
Measurement by Santi Chalkhana
Sound Level Meter 01222723

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:50 AM - 12:55 AM	46.0	58.5	40.5
12:55 AM - 01:00 AM	44.5	53.9	41.3
01:00 AM - 01:05 AM	43.8	51.6	40.3
01:05 AM - 01:10 AM	43.0	52.7	39.4
01:10 AM - 01:15 AM	44.6	56.4	38.9
01:15 AM - 01:20 AM	46.7	54.3	40.3
01:20 AM - 01:25 AM	43.4	50.8	40.1
01:25 AM - 01:30 AM	42.9	53.0	38.6
01:30 AM - 01:35 AM	41.8	49.7	38.7
01:35 AM - 01:40 AM	45.0	51.8	41.7
01:40 AM - 01:45 AM	45.6	48.0	41.1
01:45 AM - 01:50 AM	43.2	49.3	40.6
01:50 AM - 01:55 AM	45.8	57.1	42.5
01:55 AM - 02:00 AM	43.4	51.0	39.6
02:00 AM - 02:05 AM	49.2	59.4	49.2
02:05 AM - 02:10 AM	46.1	49.5	41.4
02:10 AM - 02:15 AM	48.0	55.7	44.3
02:15 AM - 02:20 AM	47.3	55.3	44.3
02:20 AM - 02:25 AM	47.8	52.8	43.3
02:25 AM - 02:30 AM	47.0	50.6	41.8
02:30 AM - 02:35 AM	45.5	51.3	40.7
02:35 AM - 02:40 AM	45.5	51.0	40.9
02:40 AM - 02:45 AM	46.9	63.1	42.5
02:45 AM - 02:50 AM	44.8	52.4	41.3
02:50 AM - 02:55 AM	42.9	49.0	39.6
02:55 AM - 03:00 AM	44.7	51.0	40.2
03:00 AM - 03:05 AM	46.6	51.7	42.8
03:05 AM - 03:10 AM	41.7	48.5	40.0
03:10 AM - 03:15 AM	44.0	50.7	39.7
03:15 AM - 03:20 AM	43.7	50.7	41.0
03:20 AM - 03:25 AM	43.3	48.9	39.9
03:25 AM - 03:30 AM	44.6	51.9	41.2
03:30 AM - 03:35 AM	43.0	50.0	40.7
03:35 AM - 03:40 AM	41.7	51.4	39.2
03:40 AM - 03:45 AM	42.9	51.4	39.2
03:45 AM - 03:50 AM	41.6	48.8	37.6
03:50 AM - 03:55 AM	42.0	39.9	39.9
03:55 AM - 04:00 AM	41.7	48.2	41.6
04:00 AM - 04:05 AM	42.5	46.1	40.5
04:05 AM - 04:10 AM	42.6	47.8	40.7

The above results are valid only for the specified test conditions. No other data is included in this report. For full details of the test method, please refer to the ALS Laboratory Group (Thailand) Ltd. website or contact the ALS Laboratory Group (Thailand) Ltd. directly.

Approved by

Witawan Borik
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-03/66
Project Name : Laemchabang
Project Location : Laemchabang

Lot ID: 24110378
Date Received: Nov 06, 2024
Date Reported: Nov 15, 2024
Report No.: 3163538-1

Sample No. 24110378-22
Parameter Noise
Location N4 : ถนนพหลโยธินข้ามทางรถไฟ 5 (GPS 47P 734305, 1441144) (Shut down)
Measurement Date Oct 26 - 27, 2024
Measurement by Santi Chalkhana
Sound Level Meter 01222724

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 PM - 05:00 PM	54.3	61.3	44.5
05:00 PM - 06:00 PM	50.4	56.4	41.3
06:00 PM - 07:00 PM	47.7	67.2	41.1
07:00 PM - 08:00 PM	44.6	63.1	42.1
08:00 PM - 09:00 PM	43.2	58.1	41.0
09:00 PM - 10:00 PM	44.0	64.9	41.5
10:00 PM - 10:05 PM	42.2	62.3	40.7
10:05 PM - 10:10 PM	41.4	60.3	40.3
10:10 PM - 10:15 PM	41.1	44.8	40.5
10:15 PM - 10:20 PM	41.3	46.6	40.8
10:20 PM - 10:25 PM	41.3	51.2	40.9
10:25 PM - 10:30 PM	43.1	56.6	41.1
10:30 PM - 10:35 PM	42.0	62.5	40.3
10:35 PM - 10:40 PM	41.9	43.6	40.4
10:40 PM - 10:45 PM	41.1	45.6	40.5
10:45 PM - 10:50 PM	40.8	47.4	40.3
10:50 PM - 10:55 PM	41.1	43.8	40.2
10:55 PM - 11:00 PM	41.2	46.5	40.5
11:00 PM - 11:05 PM	40.8	45.8	40.2
11:05 PM - 11:10 PM	42.5	55.5	40.2
11:10 PM - 11:15 PM	41.0	47.4	40.2
11:15 PM - 11:20 PM	40.7	47.2	39.9
11:20 PM - 11:25 PM	40.5	47.4	40.0
11:25 PM - 11:30 PM	40.8	46.6	40.0
11:30 PM - 11:35 PM	41.8	43.0	40.0
11:35 PM - 11:40 PM	40.9	45.1	40.2
11:40 PM - 11:45 PM	41.2	43.8	40.7
11:45 PM - 11:50 PM	41.7	45.1	40.1
11:50 PM - 11:55 PM	41.4	44.2	40.9
11:55 PM - 12:00 AM	41.5	44.4	41.0
12:00 AM - 12:05 AM	40.9	45.8	40.3
12:05 AM - 12:10 AM	40.7	47.1	40.0
12:10 AM - 12:15 AM	41.0	42.9	40.5
12:15 AM - 12:20 AM	41.2	42.9	40.7
12:20 AM - 12:25 AM	41.4	41.8	40.8
12:25 AM - 12:30 AM	41.5	42.9	40.9
12:30 AM - 12:35 AM	42.9	61.0	40.8
12:35 AM - 12:40 AM	40.9	51.6	40.4
12:40 AM - 12:45 AM	45.3	54.6	40.3
12:45 AM - 12:50 AM	41.8	44.9	40.8

The above results are valid only for the specified test conditions. No other data is included in this report. For full details of the test method, please refer to the ALS Laboratory Group (Thailand) Ltd. website or contact the ALS Laboratory Group (Thailand) Ltd. directly.

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310

P/O : RJJ-LCB-033/66
Project Name : Lamchabang
Project Location :

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No : 3163538-1

Sample No. : 24110378-22
Parameter : Noise
Location : N4 : ประตูบ้านสวนสาธารณะ 5 (GPS 47P 714305, 1441144) (Shut down)
Measurement Date : Oct 26 - 27, 2024
Measurement by : Santi Chaichana
Sound Level Meter : 01222724

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
17:50 AM - 18:55 AM	41.3	43.3	40.1
18:55 AM - 01:00 AM	41.1	44.1	39.7
01:00 AM - 01:05 AM	40.9	44.1	39.8
01:05 AM - 01:10 AM	40.9	46.1	39.7
01:10 AM - 01:15 AM	40.4	43.3	39.4
01:15 AM - 01:20 AM	41.6	45.6	40.4
01:20 AM - 01:25 AM	44.6	47.2	42.2
01:25 AM - 01:30 AM	36.7	38.1	33.6
01:30 AM - 01:35 AM	51.4	66.2	45.4
01:35 AM - 01:40 AM	43.7	50.9	42.3
01:40 AM - 01:45 AM	42.3	57.0	42.1
01:45 AM - 01:50 AM	42.6	49.4	41.1
01:50 AM - 01:55 AM	42.3	49.3	41.0
01:55 AM - 02:00 AM	42.6	47.2	40.6
02:00 AM - 02:05 AM	41.2	51.6	41.4
02:05 AM - 02:10 AM	42.5	51.8	40.9
02:10 AM - 02:15 AM	42.5	52.9	41.0
02:15 AM - 02:20 AM	42.1	46.3	41.0
02:20 AM - 02:25 AM	42.5	59.5	41.2
02:25 AM - 02:30 AM	41.9	46.1	41.2
02:30 AM - 02:35 AM	42.3	55.4	40.7
02:35 AM - 02:40 AM	41.9	51.5	41.1
02:40 AM - 02:45 AM	41.6	50.4	40.9
02:45 AM - 02:50 AM	41.4	45.5	40.8
02:50 AM - 02:55 AM	41.7	49.5	40.9
02:55 AM - 03:00 AM	41.7	45.4	40.7
03:00 AM - 03:05 AM	41.2	51.7	41.0
03:05 AM - 03:10 AM	41.3	41.5	41.5
03:10 AM - 03:15 AM	41.7	50.5	39.8
03:15 AM - 03:20 AM	42.5	50.4	41.2
03:20 AM - 03:25 AM	42.3	49.2	40.8
03:25 AM - 03:30 AM	41.9	46.8	40.8
03:30 AM - 03:35 AM	42.3	45.7	41.0
03:35 AM - 03:40 AM	42.2	48.0	41.1
03:40 AM - 03:45 AM	42.0	44.9	41.0
03:45 AM - 03:50 AM	41.9	43.8	41.2
03:50 AM - 03:55 AM	41.7	45.5	40.7
03:55 AM - 04:00 AM	42.1	51.3	40.7
04:00 AM - 04:05 AM	41.3	42.7	40.1
04:05 AM - 04:10 AM	41.4	44.7	40.0

The above results are valid only for the specified test period. It is not valid for other periods. The above results are not valid for other periods. The above results are not valid for other periods. The above results are not valid for other periods.

Approved by

Wibb.
Wibwan Borik
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310

P/O : RJJ-LCB-033/66
Project Name : Lamchabang
Project Location :

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No : 3163538-1

Sample No. : 24110378-23
Parameter : Noise
Location : N4 : ประตูบ้านสวนสาธารณะ 5 (GPS 47P 714305, 1441144) (Shut down)
Measurement Date : Oct 27 - 28, 2024
Measurement by : Santi Chaichana
Sound Level Meter : 01222724

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 PM - 05:00 PM	49.0	75.7	41.6
05:00 PM - 06:00 PM	48.2	75.0	41.8
06:00 PM - 07:00 PM	48.1	74.1	41.6
07:00 PM - 08:00 PM	47.7	62.9	42.0
08:00 PM - 09:00 PM	45.2	74.8	42.7
09:00 PM - 10:00 PM	44.4	72.0	42.3
10:00 PM - 10:05 PM	50.0	61.9	41.5
10:05 PM - 10:10 PM	42.0	41.5	41.5
10:10 PM - 10:15 PM	48.4	76.8	41.1
10:15 PM - 10:20 PM	43.2	53.6	41.5
10:20 PM - 10:25 PM	42.8	49.3	42.3
10:25 PM - 10:30 PM	42.7	46.7	42.2
10:30 PM - 10:35 PM	42.4	53.8	42.3
10:35 PM - 10:40 PM	44.5	56.7	42.4
10:40 PM - 10:45 PM	43.0	49.7	42.6
10:45 PM - 10:50 PM	43.5	46.5	42.6
10:50 PM - 10:55 PM	42.8	49.0	42.9
10:55 PM - 11:00 PM	44.1	48.0	42.4
11:00 PM - 11:05 PM	43.8	50.8	42.2
11:05 PM - 11:10 PM	43.8	52.3	43.0
11:10 PM - 11:15 PM	44.5	46.2	42.6
11:15 PM - 11:20 PM	45.7	49.5	44.6
11:20 PM - 11:25 PM	45.2	47.1	44.6
11:25 PM - 11:30 PM	45.3	49.6	44.6
11:30 PM - 11:35 PM	45.1	54.4	42.9
11:35 PM - 11:40 PM	45.2	46.6	44.5
11:40 PM - 11:45 PM	66.9	84.0	51.5
11:45 PM - 11:50 PM	52.4	68.9	46.0
11:50 PM - 11:55 PM	53.3	72.7	47.7
11:55 PM - 12:00 AM	50.1	61.5	41.0
12:00 AM - 12:05 AM	50.9	78.4	41.2
12:05 AM - 12:10 AM	51.4	61.9	41.9
12:10 AM - 12:15 AM	47.6	58.8	42.6
12:15 AM - 12:20 AM	61.9	79.6	61.0
12:20 AM - 12:25 AM	61.1	74.6	61.1
12:25 AM - 12:30 AM	52.9	79.4	46.8
12:30 AM - 12:35 AM	48.5	67.4	46.2
12:35 AM - 12:40 AM	48.1	67.1	45.2
12:40 AM - 12:45 AM	46.0	64.2	43.1
12:45 AM - 12:50 AM	44.0	65.8	42.2

The above results are valid only for the specified test period. It is not valid for other periods. The above results are not valid for other periods. The above results are not valid for other periods.

Approved by

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Wibwan Borik
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203/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310

P/O : RJJ-LCB-033/66
Project Name : Lamchabang
Project Location :

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No : 3163538-1

Sample No. : 24110378-22
Parameter : Noise
Location : N4 : ประตูบ้านสวนสาธารณะ 5 (GPS 47P 714305, 1441144) (Shut down)
Measurement Date : Oct 26 - 27, 2024
Measurement by : Santi Chaichana
Sound Level Meter : 01222724

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:10 AM - 04:15 AM	42.3	44.3	41.3
04:15 AM - 04:20 AM	42.0	45.6	40.9
04:20 AM - 04:25 AM	45.6	61.7	46.8
04:25 AM - 04:30 AM	41.4	42.6	40.0
04:30 AM - 04:35 AM	53.9	70.4	40.1
04:35 AM - 04:40 AM	49.4	69.6	40.1
04:40 AM - 04:45 AM	55.2	70.0	40.6
04:45 AM - 04:50 AM	55.5	71.0	40.1
04:50 AM - 04:55 AM	51.6	70.4	40.2
04:55 AM - 05:00 AM	45.4	45.1	40.4
05:00 AM - 05:05 AM	54.3	70.5	39.8
05:05 AM - 05:10 AM	56.5	73.8	40.1
05:10 AM - 05:15 AM	41.8	46.5	40.6
05:15 AM - 05:20 AM	41.6	49.1	40.1
05:20 AM - 05:25 AM	41.6	46.2	40.2
05:25 AM - 05:30 AM	41.0	46.8	39.7
05:30 AM - 05:35 AM	41.4	45.7	39.9
05:35 AM - 05:40 AM	42.1	54.7	39.4
05:40 AM - 05:45 AM	41.0	46.8	39.1
05:45 AM - 05:50 AM	44.1	61.3	39.2
05:50 AM - 05:55 AM	43.0	51.7	39.1
05:55 AM - 06:00 AM	44.0	60.0	39.6
06:00 AM - 06:05 AM	47.2	71.9	38.7
06:05 AM - 06:10 AM	51.4	75.2	41.9
06:10 AM - 06:15 AM	50.5	66.2	45.6
06:15 AM - 06:20 AM	49.7	67.8	44.5
06:20 AM - 06:25 AM	50.6	65.1	44.6
06:25 AM - 06:30 AM	50.0	78.3	44.4
06:30 AM - 06:35 AM	47.3	72.7	40.3
06:35 AM - 06:40 AM	55.3	84.9	44.3
06:40 AM - 06:45 AM	49.7	74.4	42.5
06:45 AM - 06:50 AM	47.9	69.3	41.6

Reference Method :

- ISO 1996-1
- ประกาศกรมอุตุนิยมวิทยา (ราชบัณฑิตยสถาน) เรื่อง วิธีการวัดระดับเสียงและเกณฑ์มาตรฐานระดับเสียงในชุมชน พ.ศ. 2567

The above results are valid only for the specified test period. It is not valid for other periods. The above results are not valid for other periods. The above results are not valid for other periods.

Approved by

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Analysis / Test Report

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2034/115 26TH Fl. Italtai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :
Sample No. : 24110378-23
Parameter : Noise
Location : N4 : ทางด่วนสายตะวันออก กมที่ 5 (GPS 47P 714305, 1441144) (Shut down)
Measurement Date : Oct 27 - 28, 2024
Measurement by : Santi Chachana
Sound Level Meter : 01222724

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163539-1

Page 3 of 3

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:10 AM - 04:15 AM	42.4	56.2	41.6
04:15 AM - 04:20 AM	42.2	55.5	40.1
04:20 AM - 04:25 AM	41.6	56.8	40.4
04:25 AM - 04:30 AM	41.1	49.5	40.5
04:30 AM - 04:35 AM	43.4	59.8	40.0
04:35 AM - 04:40 AM	40.4	46.9	39.2
04:40 AM - 04:45 AM	40.3	51.5	39.3
04:45 AM - 04:50 AM	40.7	55.0	39.6
04:50 AM - 04:55 AM	42.0	62.6	40.1
04:55 AM - 05:00 AM	40.7	47.5	40.1
05:00 AM - 05:05 AM	41.1	49.3	40.2
05:05 AM - 05:10 AM	40.8	46.8	39.1
05:10 AM - 05:15 AM	41.4	46.0	39.9
05:15 AM - 05:20 AM	41.4	42.3	40.6
05:20 AM - 05:25 AM	41.8	51.7	41.0
05:25 AM - 05:30 AM	41.3	48.0	40.1
05:30 AM - 05:35 AM	41.3	51.1	40.1
05:35 AM - 05:40 AM	40.2	47.2	39.0
05:40 AM - 05:45 AM	40.4	52.8	39.2
05:45 AM - 05:50 AM	40.5	49.7	39.1
05:50 AM - 05:55 AM	43.0	62.3	39.4
05:55 AM - 06:00 AM	47.5	69.1	38.5
06:00 AM - 07:00 AM	46.6	76.8	39.3
07:00 AM - 08:00 AM	49.0	71.5	41.2
08:00 AM - 09:00 AM	50.2	70.2	42.7
09:00 AM - 10:00 AM	52.8	72.1	46.2
10:00 AM - 11:00 AM	53.6	74.2	47.1
11:00 AM - 12:00 PM	54.7	78.4	48.6
12:00 PM - 01:00 PM	50.4	77.7	42.0
01:00 PM - 02:00 PM	51.4	74.0	42.1
02:00 PM - 03:00 PM	51.7	81.6	42.3
03:00 PM - 04:00 PM	49.9	70.2	41.9

Reference Method :

- ISO 1996-1
- เป็นมาตรฐานของประเทศไทย (ซึ่ง มีมาตรฐานของประเทศไทยตาม มาตรฐานของ 24 ชั่วโมง และระดับของเสียงที่ต่ำกว่าระดับของเสียงที่ระบุใน ม. 2567

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Approved by

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BUSINESS HOURS: 09:00 AM - 05:00 PM (Mon-Fri) 09:00 AM - 04:00 PM (Sat-Sun)

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Analysis / Test Report

Client : Rajana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italtai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :
Sample No. : 24110378-24
Parameter : Noise
Location : N4 : ทางด่วนสายตะวันออก กมที่ 5 (GPS 47P 714305, 1441144) (Shut down)
Measurement Date : Oct 28 - 29, 2024
Measurement by : Santi Chachana
Sound Level Meter : 01222724

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163540-1

Page 2 of 3

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:50 AM - 12:55 AM	41.4	50.1	40.8
12:55 AM - 01:00 AM	41.9	54.9	41.2
01:00 AM - 01:05 AM	42.7	55.5	41.5
01:05 AM - 01:10 AM	42.6	54.6	41.5
01:10 AM - 01:15 AM	42.2	55.7	41.3
01:15 AM - 01:20 AM	41.7	52.7	41.0
01:20 AM - 01:25 AM	42.1	49.0	41.3
01:25 AM - 01:30 AM	42.1	54.1	41.3
01:30 AM - 01:35 AM	42.4	55.9	41.0
01:35 AM - 01:40 AM	42.4	64.7	41.1
01:40 AM - 01:45 AM	42.0	52.2	41.4
01:45 AM - 01:50 AM	41.9	53.2	41.1
01:50 AM - 01:55 AM	41.3	58.6	39.7
01:55 AM - 02:00 AM	41.6	46.4	41.0
02:00 AM - 02:05 AM	41.5	48.4	41.5
02:05 AM - 02:10 AM	41.4	56.1	40.6
02:10 AM - 02:15 AM	41.0	46.6	40.4
02:15 AM - 02:20 AM	41.2	51.8	40.5
02:20 AM - 02:25 AM	40.9	40.1	39.6
02:25 AM - 02:30 AM	41.2	55.3	40.4
02:30 AM - 02:35 AM	40.4	51.9	39.0
02:35 AM - 02:40 AM	39.6	55.4	39.6
02:40 AM - 02:45 AM	41.6	50.5	39.7
02:45 AM - 02:50 AM	42.2	46.7	41.4
02:50 AM - 02:55 AM	41.3	56.7	41.7
02:55 AM - 03:00 AM	42.6	54.1	39.8
03:00 AM - 03:05 AM	42.0	55.8	41.9
03:05 AM - 03:10 AM	40.7	54.0	39.5
03:10 AM - 03:15 AM	41.0	56.3	39.6
03:15 AM - 03:20 AM	41.2	52.3	40.4
03:20 AM - 03:25 AM	41.3	47.7	40.5
03:25 AM - 03:30 AM	41.7	50.0	40.5
03:30 AM - 03:35 AM	41.6	53.9	40.8
03:35 AM - 03:40 AM	41.4	53.4	40.6
03:40 AM - 03:45 AM	41.1	41.4	40.5
03:45 AM - 03:50 AM	41.2	52.9	40.5
03:50 AM - 03:55 AM	41.7	50.7	40.4
03:55 AM - 04:00 AM	40.3	54.9	39.1
04:00 AM - 04:05 AM	40.9	56.1	39.5
04:05 AM - 04:10 AM	41.3	51.2	40.4

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Analysis / Test Report

Client : Rajana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italtai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :
Sample No. : 24110378-24
Parameter : Noise
Location : N4 : ทางด่วนสายตะวันออก กมที่ 5 (GPS 47P 714305, 1441144) (Shut down)
Measurement Date : Oct 28 - 29, 2024
Measurement by : Santi Chachana
Sound Level Meter : 01222724

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163540-1

Page 1 of 3

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 PM - 05:00 PM	77.3	53.8	42.7
05:00 PM - 06:00 PM	55.6	87.7	41.3
06:00 PM - 07:00 PM	48.2	79.5	40.3
07:00 PM - 08:00 PM	55.8	86.3	49.3
08:00 PM - 09:00 PM	46.0	77.0	41.8
09:00 PM - 10:00 PM	41.9	68.9	43.4
10:00 PM - 10:05 PM	47.5	62.7	40.7
10:05 PM - 10:10 PM	55.9	72.2	40.4
10:10 PM - 10:15 PM	42.2	58.0	40.9
10:15 PM - 10:20 PM	48.5	51.8	42.0
10:20 PM - 10:25 PM	51.2	68.1	42.8
10:25 PM - 10:30 PM	65.0	72.7	56.6
10:30 PM - 10:35 PM	45.4	63.4	41.6
10:35 PM - 10:40 PM	44.1	51.8	43.5
10:40 PM - 10:45 PM	44.4	50.9	43.5
10:45 PM - 10:50 PM	45.4	52.5	44.7
10:50 PM - 10:55 PM	45.6	51.8	44.9
10:55 PM - 11:00 PM	45.3	51.7	43.8
11:00 PM - 11:05 PM	45.5	50.6	44.8
11:05 PM - 11:10 PM	45.3	49.2	44.6
11:10 PM - 11:15 PM	45.7	51.4	44.9
11:15 PM - 11:20 PM	45.4	50.4	44.6
11:20 PM - 11:25 PM	41.8	51.9	42.6
11:25 PM - 11:30 PM	41.4	50.3	40.4
11:30 PM - 11:35 PM	42.8	56.8	42.2
11:35 PM - 11:40 PM	42.9	49.7	42.5
11:40 PM - 11:45 PM	41.8	50.5	41.0
11:45 PM - 11:50 PM	45.1	50.1	44.3
11:50 PM - 11:55 PM	44.9	50.8	44.2
11:55 PM - 12:00 AM	44.9	45.5	41.9
12:00 AM - 12:05 AM	44.6	48.3	44.0
12:05 AM - 12:10 AM	44.6	51.4	43.9
12:10 AM - 12:15 AM	41.3	48.0	43.5
12:15 AM - 12:20 AM	41.9	51.1	40.1
12:20 AM - 12:25 AM	42.3	56.0	40.1
12:25 AM - 12:30 AM	40.8	56.5	39.6
12:30 AM - 12:35 AM	41.7	51.6	40.5
12:35 AM - 12:40 AM	41.0	67.4	40.2
12:40 AM - 12:45 AM	41.8	49.5	41.2
12:45 AM - 12:50 AM	41.6	51.5	40.8

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Itaihai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110378
Date Received : Nov 05, 2024
Date Reported : Nov 15, 2024
Report No. : 3163541-1

Sample No. : 24110378-25
Parameter : Noise
Location : N4 : จุดรับสัญญาณรบกวน รก 5 (GPS 47P 714305, 1441144) (Shut down)
Measurement Date : Oct 29 - 30, 2024
Measurement by : Santi Chachana
Sound Level Meter : 01222724

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 PM - 05:00 PM	56.2	62.7	53.7
05:00 PM - 06:00 PM	58.0	67.1	58.5
06:00 PM - 07:00 PM	43.6	73.5	40.0
07:00 PM - 08:00 PM	45.8	63.3	42.4
08:00 PM - 09:00 PM	46.4	77.6	41.9
09:00 PM - 10:00 PM	55.8	79.3	47.2
10:00 PM - 10:05 PM	42.7	65.1	42.2
10:05 PM - 10:10 PM	55.7	74.2	45.5
10:10 PM - 10:15 PM	47.8	70.9	41.1
10:15 PM - 10:20 PM	45.9	72.8	41.3
10:20 PM - 10:25 PM	43.7	59.9	41.7
10:25 PM - 10:30 PM	42.8	62.0	41.6
10:30 PM - 10:35 PM	41.8	46.7	41.4
10:35 PM - 10:40 PM	41.4	65.3	41.0
10:40 PM - 10:45 PM	43.9	56.5	41.1
10:45 PM - 10:50 PM	42.0	46.8	40.9
10:50 PM - 10:55 PM	41.8	40.4	40.4
10:55 PM - 11:00 PM	41.0	49.9	40.4
11:00 PM - 11:05 PM	41.9	45.7	41.3
11:05 PM - 11:10 PM	42.6	54.5	41.1
11:10 PM - 11:15 PM	42.0	46.8	40.8
11:15 PM - 11:20 PM	41.1	49.3	40.2
11:20 PM - 11:25 PM	41.8	45.7	40.9
11:25 PM - 11:30 PM	41.8	46.9	40.7
11:30 PM - 11:35 PM	41.9	44.1	41.1
11:35 PM - 11:40 PM	40.9	40.0	40.3
11:40 PM - 11:45 PM	42.2	60.1	40.8
11:45 PM - 11:50 PM	41.2	46.9	41.3
11:50 PM - 11:55 PM	41.6	46.6	40.8
11:55 PM - 12:00 AM	54.7	74.7	40.0
12:00 AM - 12:05 AM	41.4	62.8	40.8
12:05 AM - 12:10 AM	41.1	43.3	40.4
12:10 AM - 12:15 AM	41.0	46.9	40.2
12:15 AM - 12:20 AM	50.6	72.7	44.7
12:20 AM - 12:25 AM	41.4	52.7	40.1
12:25 AM - 12:30 AM	40.8	52.3	39.8
12:30 AM - 12:35 AM	41.0	41.8	40.0
12:35 AM - 12:40 AM	41.7	40.7	40.7
12:40 AM - 12:45 AM	41.8	59.4	40.6
12:45 AM - 12:50 AM	43.0	56.5	40.4

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Itaihai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110378
Date Received : Nov 05, 2024
Date Reported : Nov 15, 2024
Report No. : 3163541-1

Sample No. : 24110378-25
Parameter : Noise
Location : N4 : จุดรับสัญญาณรบกวน รก 5 (GPS 47P 714305, 1441144) (Shut down)
Measurement Date : Oct 29 - 30, 2024
Measurement by : Santi Chachana
Sound Level Meter : 01222724

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 PM - 04:15 AM	55.0	76.2	52.2
04:15 AM - 04:30 AM	55.0	72.7	51.9
04:30 AM - 04:45 AM	56.2	73.1	54.6
04:45 AM - 04:55 AM	53.9	73.0	51.3
04:55 AM - 05:05 AM	51.0	68.3	48.1
05:05 AM - 05:15 AM	48.3	70.5	45.4
05:15 AM - 05:25 AM	50.4	74.4	47.9
05:25 AM - 05:35 AM	41.6	73.9	46.0
05:35 AM - 05:45 AM	41.6	61.4	41.4
05:45 AM - 05:55 AM	49.0	69.2	46.8
05:55 AM - 06:05 AM	51.2	71.4	48.7
06:05 AM - 06:15 AM	52.0	64.0	47.2
06:15 AM - 06:25 AM	56.2	66.2	54.9
06:25 AM - 06:35 AM	58.4	73.3	54.1
06:35 AM - 06:45 AM	60.3	72.4	59.1
06:45 AM - 06:55 AM	58.9	71.3	57.4
06:55 AM - 07:05 AM	43.3	55.9	40.6
07:05 AM - 07:15 AM	42.2	50.0	40.3
07:15 AM - 07:25 AM	45.3	62.5	40.4
07:25 AM - 07:35 AM	42.2	54.9	40.3
07:35 AM - 07:45 AM	45.2	61.2	40.8
07:45 AM - 07:55 AM	45.7	61.8	40.5
07:55 AM - 08:05 AM	49.9	76.4	41.8
08:05 AM - 08:15 AM	52.0	61.4	41.6
08:15 AM - 08:25 AM	51.8	67.4	41.4
08:25 AM - 08:35 AM	50.9	64.0	40.9
08:35 AM - 08:45 AM	52.0	79.5	45.8
08:45 AM - 08:55 AM	50.7	77.6	45.4
08:55 AM - 09:05 PM	48.1	71.9	41.1
09:05 PM - 09:15 PM	56.5	86.1	45.6
09:15 PM - 09:25 PM	50.9	79.6	41.6
09:25 PM - 09:30 PM	49.4	70.5	42.9

Reference Method :
1. ISO 1996-1
2. คู่มือมาตรฐานการวัดและประเมินผลกระทบจากเสียงรบกวนของประเทศไทย ฉบับที่ 24 ส่วน 2 และ คู่มือการวัดและประเมินผลกระทบจากเสียงรบกวนจากโรงงานอุตสาหกรรม

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Itaihai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110378
Date Received : Nov 05, 2024
Date Reported : Nov 15, 2024
Report No. : 3163541-1

Sample No. : 24110378-25
Parameter : Noise
Location : N4 : จุดรับสัญญาณรบกวน รก 5 (GPS 47P 714305, 1441144) (Shut down)
Measurement Date : Oct 29 - 30, 2024
Measurement by : Santi Chachana
Sound Level Meter : 01222724

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:50 AM - 12:55 AM	41.3	50.7	40.3
12:55 AM - 01:00 AM	41.0	50.9	39.3
01:00 AM - 01:05 AM	42.1	55.3	40.9
01:05 AM - 01:10 AM	43.0	44.4	40.1
01:10 AM - 01:15 AM	41.0	41.3	40.1
01:15 AM - 01:20 AM	41.8	46.5	41.0
01:20 AM - 01:25 AM	41.0	41.0	41.0
01:25 AM - 01:30 AM	43.5	54.7	40.3
01:30 AM - 01:35 AM	42.0	51.2	41.1
01:35 AM - 01:40 AM	41.4	40.1	40.3
01:40 AM - 01:45 AM	43.5	54.7	40.4
01:45 AM - 01:50 AM	41.6	47.3	40.7
01:50 AM - 01:55 AM	41.7	49.4	40.0
01:55 AM - 02:00 AM	41.0	56.7	39.9
02:00 AM - 02:05 AM	42.0	51.7	40.2
02:05 AM - 02:10 AM	46.4	44.1	39.3
02:10 AM - 02:15 AM	40.3	49.5	39.7
02:15 AM - 02:20 AM	39.8	47.3	38.7
02:20 AM - 02:25 AM	40.3	51.4	38.2
02:25 AM - 02:30 AM	41.2	49.1	39.4
02:30 AM - 02:35 AM	39.8	44.4	38.9
02:35 AM - 02:40 AM	39.7	45.4	38.7
02:40 AM - 02:45 AM	38.8	48.6	38.0
02:45 AM - 02:50 AM	41.2	51.3	41.1
02:50 AM - 02:55 AM	39.6	46.7	39.0
02:55 AM - 03:00 AM	40.3	52.7	39.4
03:00 AM - 03:05 AM	41.3	52.6	39.8
03:05 AM - 03:10 AM	39.3	56.9	39.9
03:10 AM - 03:15 AM	43.2	60.1	39.5
03:15 AM - 03:20 AM	42.7	56.5	39.1
03:20 AM - 03:25 AM	42.7	62.7	38.2
03:25 AM - 03:30 AM	43.3	52.3	39.1
03:30 AM - 03:35 AM	52.5	61.2	51.6
03:35 AM - 03:40 AM	51.2	64.0	48.1
03:40 AM - 03:45 AM	50.4	78.0	46.1
03:45 AM - 03:50 AM	48.3	76.4	42.1
03:50 AM - 03:55 AM	52.0	83.3	43.1
03:55 AM - 04:00 AM	54.0	75.7	46.7
04:00 AM - 04:05 AM	56.2	77.9	54.2
04:05 AM - 04:10 AM	56.0	72.7	54.7

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Itaihai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110378
Date Received : Nov 05, 2024
Date Reported : Nov 15, 2024
Report No. : 3163541-1

Sample No. : 24110378-25
Parameter : Noise
Location : N4 : จุดรับสัญญาณรบกวน รก 5 (GPS 47P 714305, 1441144) (Shut down)
Measurement Date : Oct 30 - 31, 2024
Measurement by : Santi Chachana
Sound Level Meter : 01222724

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 PM - 05:00 PM	41.8	76.9	42.7
05:00 PM - 06:00 PM	41.6	76.2	41.8
06:00 PM - 07:00 PM	49.1	75.3	46.9
07:00 PM - 08:00 PM	48.9	68.2	45.9
08:00 PM - 09:00 PM	46.5	78.0	43.9
09:00 PM - 10:00 PM	46.5	73.2	43.3
10:00 PM - 10:05 PM	43.2	50.4	42.8
10:05 PM - 10:10 PM	49.6	78.0	42.3
10:10 PM - 10:15 PM	44.4	54.8	42.7
10:15 PM - 10:20 PM	44.1	40.5	41.5
10:20 PM - 10:25 PM	43.9	49.9	43.4
10:25 PM - 10:30 PM	44.6	55.0	43.5
10:30 PM - 10:35 PM	45.7	59.9	43.6
10:35 PM - 10:40 PM	46.4	50.9	43.8
10:40 PM - 10:45 PM	44.7	47.7	43.8
10:45 PM - 10:50 PM	45.0	50.2	44.1
10:50 PM - 10:55 PM	45.3	49.2	44.6
10:55 PM - 11:00 PM	43.0	52.0	41.4
11:00 PM - 11:05 PM	43.0	53.5	44.2
11:05 PM - 11:10 PM	45.7	49.4	41.4
11:10 PM - 11:15 PM	46.4	50.7	45.8
11:15 PM - 11:20 PM	46.4	46.3	43.8
11:20 PM - 11:25 PM	46.5	50.8	45.8
11:25 PM - 11:30 PM	46.3	55.8	44.1
11:30 PM - 11:35 PM	46.4	49.8	45.7
11:35 PM - 11:40 PM	44.1	85.2	52.7
11:40 PM - 11:45 PM	53.6	70.1	49.0
11:45 PM - 11:50 PM	54.5	74.9	46.9
11:50 PM - 11:55 PM	51.3	62.7	49.2
11:55 PM - 12:00 PM	52.1	77.6	49.4
12:00 AM - 12:05 AM	52.6	69.1	49.3
12:05 AM - 12:10 AM	41.8	60.0	43.8
12:10 AM - 12:15 AM	60.8	83.5	49.3
12:15 AM - 12:20 AM	61.6	80.8	62.3
12:20 AM - 12:25 AM	54.1	80.6	41.0
12:25 AM - 12:30 AM	41.8	68.6	47.4
12:30 AM - 12:35 AM	42.7	68.3	41.4
12:35 AM - 12:40 AM	42.7	69.4	44.3
12:40 AM - 12:45 AM	45.2	61.0	43.4
12:45 AM - 12:50 AM	46.0	61.1	44.5

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : R/N-LCB-033/66
Project Name : Laemchabang
Project Location :
Sample No. : 24110378-26
Parameter : Noise
Location : N4 : ถนนพหลโยธินข้ามคลอง 5 (GPS 47P 714305, 1441144) (Shut down)
Measurement Date : Oct 30 - 31, 2024
Measurement by : Sanu Chachana
Sound Level Meter : 01222724

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163542-1

Page 2 of 3

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:50 AM - 12:55 AM	46.6	60.4	44.9
12:55 AM - 01:00 AM	45.4	59.6	44.4
01:00 AM - 01:05 AM	45.4	60.8	44.0
01:05 AM - 01:10 AM	44.3	57.0	42.9
01:10 AM - 01:15 AM	43.7	56.0	42.7
01:15 AM - 01:20 AM	44.2	57.5	43.0
01:20 AM - 01:25 AM	46.0	55.0	43.3
01:25 AM - 01:30 AM	46.7	56.5	45.9
01:30 AM - 01:35 AM	46.9	57.8	45.8
01:35 AM - 01:40 AM	46.3	54.2	45.1
01:40 AM - 01:45 AM	46.7	52.8	45.9
01:45 AM - 01:50 AM	46.1	52.6	43.1
01:50 AM - 01:55 AM	45.0	47.2	42.7
01:55 AM - 02:00 AM	46.6	60.4	45.8
02:00 AM - 02:05 AM	46.3	65.3	45.4
02:05 AM - 02:10 AM	50.3	69.9	45.4
02:10 AM - 02:15 AM	51.2	60.0	46.4
02:15 AM - 02:20 AM	49.9	58.8	47.4
02:20 AM - 02:25 AM	47.3	57.7	45.8
02:25 AM - 02:30 AM	47.0	51.3	46.1
02:30 AM - 02:35 AM	47.5	64.4	46.5
02:35 AM - 02:40 AM	45.7	60.0	42.6
02:40 AM - 02:45 AM	48.0	57.5	43.8
02:45 AM - 02:50 AM	46.4	49.3	43.3
02:50 AM - 02:55 AM	42.9	50.4	42.1
02:55 AM - 03:00 AM	46.0	50.0	42.0
03:00 AM - 03:05 AM	42.7	51.3	42.7
03:05 AM - 03:10 AM	42.9	49.7	42.0
03:10 AM - 03:15 AM	43.6	50.2	42.7
03:15 AM - 03:20 AM	44.0	49.8	42.3
03:20 AM - 03:25 AM	43.7	49.7	43.0
03:25 AM - 03:30 AM	43.7	49.5	43.2
03:30 AM - 03:35 AM	44.2	55.3	43.2
03:35 AM - 03:40 AM	44.2	48.2	43.4
03:40 AM - 03:45 AM	46.0	54.3	44.4
03:45 AM - 03:50 AM	46.6	53.4	45.4
03:50 AM - 03:55 AM	45.6	56.4	45.9
03:55 AM - 04:00 AM	45.1	59.5	45.9
04:00 AM - 04:05 AM	43.7	61.3	42.3
04:05 AM - 04:10 AM	43.6	57.4	42.8

The above results are valid only for the analyzed period and are not intended to be used for any other purpose. The results are based on the data collected during the measurement period. The results are subject to the accuracy of the equipment used and the skill of the operator. The results are not intended to be used for any other purpose.

Approved by

Wiwat Borik
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : R/N-LCB-033/66
Project Name : Laemchabang
Project Location :
Sample No. : 24110378-26
Parameter : Noise
Location : N4 : ถนนพหลโยธินข้ามคลอง 5 (GPS 47P 714305, 1441144) (Shut down)
Measurement Date : Oct 30 - 31, 2024
Measurement by : Sanu Chachana
Sound Level Meter : 01222724

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163542-1

Page 3 of 3

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:10 AM - 04:15 AM	43.4	56.7	41.3
04:15 AM - 04:20 AM	42.8	60.0	41.6
04:20 AM - 04:25 AM	42.3	50.7	41.4
04:25 AM - 04:30 AM	44.6	61.0	41.2
04:30 AM - 04:35 AM	45.6	51.1	40.4
04:35 AM - 04:40 AM	45.5	52.7	40.5
04:40 AM - 04:45 AM	45.9	56.3	40.8
04:45 AM - 04:50 AM	43.2	63.8	41.3
04:50 AM - 04:55 AM	45.9	68.7	41.3
04:55 AM - 05:00 AM	50.5	50.5	41.4
05:00 AM - 05:05 AM	42.0	49.0	40.3
05:05 AM - 05:10 AM	42.6	49.7	41.1
05:10 AM - 05:15 AM	42.6	48.5	41.8
05:15 AM - 05:20 AM	43.0	52.0	42.2
05:20 AM - 05:25 AM	42.5	49.2	41.3
05:25 AM - 05:30 AM	42.5	52.3	41.3
05:30 AM - 05:35 AM	41.4	49.4	40.2
05:35 AM - 05:40 AM	45.6	54.0	40.4
05:40 AM - 05:45 AM	42.7	50.9	40.2
05:45 AM - 05:50 AM	46.2	63.5	40.6
05:50 AM - 05:55 AM	46.7	70.5	42.9
05:55 AM - 06:00 AM	50.4	72.0	39.8
06:00 AM - 06:05 AM	49.5	71.8	40.5
06:05 AM - 06:10 AM	50.5	72.7	42.4
06:10 AM - 06:15 AM	52.0	71.4	46.0
06:15 AM - 06:20 AM	53.6	73.3	48.6
06:20 AM - 06:25 AM	54.3	77.4	49.1
06:25 AM - 06:30 AM	55.6	79.8	49.3
06:30 AM - 06:35 AM	55.4	79.0	48.1
06:35 AM - 06:40 AM	55.8	75.2	43.6
06:40 AM - 06:45 AM	52.8	60.8	41.6
06:45 AM - 06:50 AM	51.2	71.4	42.9

Reference Method :

- ISO 1996-1
- มาตรฐานการประเมินผลกระทบสิ่งแวดล้อม (การวัดและประเมินผลกระทบสิ่งแวดล้อม) 24 ธันวาคม 2559 และมาตรฐานการวัดและประเมินผลกระทบสิ่งแวดล้อม (การวัดและประเมินผลกระทบสิ่งแวดล้อม) 2559

Approved by

Wiwat Borik
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : R/N-LCB-033/66
Project Name : Laemchabang
Project Location :
Sample No. : 24110378-27
Parameter : Noise
Location : N4 : ถนนพหลโยธินข้ามคลอง 5 (GPS 47P 714305, 1441144) (Shut down)
Measurement Date : Oct 31 - Nov 01, 2024
Measurement by : Sanu Chachana
Sound Level Meter : 01222724

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163543-1

Page 1 of 3

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 PM - 05:00 PM	55.0	78.5	43.9
05:00 PM - 06:00 PM	57.0	80.9	42.4
06:00 PM - 07:00 PM	48.0	60.7	41.8
07:00 PM - 08:00 PM	57.1	87.5	50.5
08:00 PM - 09:00 PM	46.9	73.0	43.2
09:00 PM - 10:00 PM	49.2	71.1	44.4
10:00 PM - 10:05 PM	57.1	73.4	41.6
10:05 PM - 10:10 PM	43.4	59.2	42.1
10:10 PM - 10:15 PM	44.0	55.0	42.9
10:15 PM - 10:20 PM	52.4	69.3	45.9
10:20 PM - 10:25 PM	66.2	78.9	58.0
10:25 PM - 10:30 PM	49.7	64.6	46.8
10:30 PM - 10:35 PM	45.3	53.0	44.7
10:35 PM - 10:40 PM	45.6	52.1	44.7
10:40 PM - 10:45 PM	46.6	53.7	45.9
10:45 PM - 10:50 PM	46.8	55.0	46.1
10:50 PM - 10:55 PM	46.5	52.9	45.0
10:55 PM - 11:00 PM	46.7	51.8	46.0
11:00 PM - 11:05 PM	46.5	49.4	45.8
11:05 PM - 11:10 PM	46.9	52.4	46.1
11:10 PM - 11:15 PM	46.6	58.6	45.8
11:15 PM - 11:20 PM	43.0	53.1	43.8
11:20 PM - 11:25 PM	42.6	53.6	43.6
11:25 PM - 11:30 PM	44.0	52.0	43.4
11:30 PM - 11:35 PM	45.1	50.9	43.7
11:35 PM - 11:40 PM	46.0	51.7	45.2
11:40 PM - 11:45 PM	46.3	49.3	45.3
11:45 PM - 11:50 PM	46.1	52.0	45.4
11:50 PM - 11:55 PM	46.1	66.7	45.1
11:55 PM - 12:00 AM	45.8	49.5	45.2
12:00 AM - 12:05 AM	45.8	52.6	45.1
12:05 AM - 12:10 AM	45.5	49.2	44.7
12:10 AM - 12:15 AM	43.1	54.3	43.3
12:15 AM - 12:20 AM	42.5	52.2	43.3
12:20 AM - 12:25 AM	42.0	53.7	41.7
12:25 AM - 12:30 AM	42.9	54.8	43.0
12:30 AM - 12:35 AM	44.2	48.2	41.4
12:35 AM - 12:40 AM	43.0	50.7	42.4
12:40 AM - 12:45 AM	42.8	52.7	42.0
12:45 AM - 12:50 AM	42.6	51.3	42.0

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Approved by

Wiwat Borik
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : R/N-LCB-033/66
Project Name : Laemchabang
Project Location :
Sample No. : 24110378-27
Parameter : Noise
Location : N4 : ถนนพหลโยธินข้ามคลอง 5 (GPS 47P 714305, 1441144) (Shut down)
Measurement Date : Oct 31 - Nov 01, 2024
Measurement by : Sanu Chachana
Sound Level Meter : 01222724

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163543-1

Page 2 of 3

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:50 AM - 12:55 AM	43.1	56.1	42.4
12:55 AM - 01:00 AM	43.9	56.7	42.7
01:00 AM - 01:05 AM	43.8	55.8	42.7
01:05 AM - 01:10 AM	43.4	53.9	42.5
01:10 AM - 01:15 AM	42.9	51.9	42.2
01:15 AM - 01:20 AM	43.3	50.2	42.5
01:20 AM - 01:25 AM	43.3	55.3	42.5
01:25 AM - 01:30 AM	43.6	57.1	42.3
01:30 AM - 01:35 AM	43.6	65.9	42.3
01:35 AM - 01:40 AM	43.2	53.4	42.6
01:40 AM - 01:45 AM	43.1	54.4	42.3
01:45 AM - 01:50 AM	42.5	59.8	40.9
01:50 AM - 01:55 AM	42.5	50.6	42.2
01:55 AM - 02:00 AM	42.7	49.6	42.1
02:00 AM - 02:05 AM	42.6	59.8	41.8
02:05 AM - 02:10 AM	42.2	56.9	41.6
02:10 AM - 02:15 AM	42.4	53.0	41.7
02:15 AM - 02:20 AM	42.1	51.1	41.3
02:20 AM - 02:25 AM	42.4	56.5	41.6
02:25 AM - 02:30 AM	41.6	55.1	40.2
02:30 AM - 02:35 AM	40.9	52.6	39.4
02:35 AM - 02:40 AM	40.8	51.2	40.9
02:40 AM - 02:45 AM	43.4	50.9	42.6
02:45 AM - 02:50 AM	44.5	57.9	42.9
02:50 AM - 02:55 AM	43.8	55.3	42.0
02:55 AM - 03:00 AM	43.2	53.0	41.1
03:00 AM - 03:05 AM	41.9	55.2	40.7
03:05 AM - 03:10 AM	42.2	57.5	40.8
03:10 AM - 03:15 AM	42.4	53.5	41.6
03:15 AM - 03:20 AM	42.5	48.0	41.7
03:20 AM - 03:25 AM	42.9	51.2	41.7
03:25 AM - 03:30 AM	42.8	51.1	42.0
03:30 AM - 03:35 AM	42.6	54.6	41.8
03:35 AM - 03:40 AM	42.3	50.6	41.7
03:40 AM - 03:45 AM	42.4	54.1	41.7
03:45 AM - 03:50 AM	42.9	51.9	41.6
03:50 AM - 03:55 AM	41.7	56.1	40.3
03:55 AM - 04:00 AM	42.1	58.3	40.7
04:00 AM - 04:05 AM	42.5	52.4	41.6
04:05 AM - 04:10 AM	41.4	49.5	40.4

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.,
204/115 26TH Fl. Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310

P/O : RNL-CB-03/066
Project Name : Laemchahang
Project Location :

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163544-1

Sample No. 24110378-27
Parameter Noise
Location N4 : ถนนพหลโยธินกมที่ 5 (GPS 47P 714305, 1441144) (Shut down)
Measurement Date Oct 31 - Nov 01, 2024
Measurement by Santi Chachana
Sound Level Meter 01222724

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:10 AM - 04:15 AM	41.6	49.9	40.9
04:15 AM - 04:20 AM	41.3	55.2	40.3
04:20 AM - 04:25 AM	41.4	59.1	40.1
04:25 AM - 04:30 AM	41.3	61.4	40.1
04:30 AM - 04:35 AM	42.5	57.3	40.3
04:35 AM - 04:40 AM	40.8	54.5	39.3
04:40 AM - 04:45 AM	39.8	54.8	38.9
04:45 AM - 04:50 AM	54.4	70.6	39.3
04:50 AM - 04:55 AM	41.9	54.0	39.4
04:55 AM - 05:00 AM	40.9	52.3	39.2
05:00 AM - 05:05 AM	40.8	52.3	39.3
05:05 AM - 05:10 AM	40.4	54.2	39.2
05:10 AM - 05:15 AM	40.9	59.0	39.2
05:15 AM - 05:20 AM	40.1	47.9	39.0
05:20 AM - 05:25 AM	40.3	55.6	39.0
05:25 AM - 05:30 AM	40.0	55.9	38.7
05:30 AM - 05:35 AM	40.3	55.1	38.9
05:35 AM - 05:40 AM	42.3	64.4	39.0
05:40 AM - 05:45 AM	42.6	55.3	39.2
05:45 AM - 05:50 AM	41.6	53.6	38.9
05:50 AM - 05:55 AM	45.1	60.5	39.0
05:55 AM - 06:00 AM	40.3	59.4	39.3
06:00 AM - 06:05 AM	40.9	69.4	39.9
06:05 AM - 06:10 AM	47.6	67.6	40.8
06:10 AM - 06:15 AM	53.7	78.7	40.7
06:15 AM - 06:20 AM	51.2	69.6	40.5
06:20 AM - 06:25 AM	53.0	64.4	45.9
06:25 AM - 06:30 AM	52.5	78.8	46.5
06:30 AM - 06:35 AM	51.3	77.9	46.6
06:35 AM - 06:40 AM	54.1	80.8	44.4
06:40 AM - 06:45 AM	51.2	72.6	43.0
06:45 AM - 06:50 PM	48.3	64.8	40.9

Reference Method :

- ISO 1996-1
- ใช้มาตรฐานวิธีวัดและประเมินค่าเสียงตามข้อกำหนดของกรมควบคุมมลพิษ พ.ศ. 2549 และใช้เครื่องมือวัดเสียงตามข้อกำหนดของกรมควบคุมมลพิษ พ.ศ. 2547

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.,
204/115 26TH Fl. Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310

P/O : RNL-CB-03/066
Project Name : Laemchahang
Project Location :

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163544-1

Sample No. 24110378-28
Parameter Noise
Location N4 : ถนนพหลโยธินกมที่ 5 (GPS 47P 714305, 1441144) (Shut down)
Measurement Date Nov 01 - 02, 2024
Measurement by Santi Chachana
Sound Level Meter 01222724

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
17:50 AM - 17:55 AM	42.6	45.9	41.2
17:55 AM - 18:00 AM	43.5	45.5	42.5
18:00 AM - 18:05 AM	43.2	46.8	42.1
18:05 AM - 18:10 AM	46.8	62.9	42.0
18:10 AM - 18:15 AM	46.6	61.4	42.0
18:15 AM - 18:20 AM	55.1	71.8	41.3
18:20 AM - 18:25 AM	50.6	70.8	41.3
18:25 AM - 18:30 AM	56.4	71.2	41.8
18:30 AM - 18:35 AM	56.7	72.2	41.3
18:35 AM - 18:40 AM	52.8	71.6	41.4
18:40 AM - 18:45 AM	42.6	46.3	41.6
18:45 AM - 18:50 AM	55.1	71.7	40.8
18:50 AM - 18:55 AM	57.7	75.0	41.3
18:55 AM - 19:00 AM	43.0	47.7	41.8
19:00 AM - 19:05 AM	47.8	50.3	41.2
19:05 AM - 19:10 AM	47.8	47.4	41.6
19:10 AM - 19:15 AM	42.7	48.0	40.9
19:15 AM - 19:20 AM	42.6	46.9	41.1
19:20 AM - 19:25 AM	43.3	60.3	42.0
19:25 AM - 19:30 AM	42.7	46.9	42.0
19:30 AM - 19:35 AM	43.3	56.2	41.5
19:35 AM - 19:40 AM	42.5	52.1	41.7
19:40 AM - 19:45 AM	42.4	51.2	41.7
19:45 AM - 19:50 AM	42.2	46.3	41.4
19:50 AM - 19:55 AM	42.5	50.3	41.7
19:55 AM - 20:00 AM	42.5	46.2	41.5
20:00 AM - 20:05 AM	44.0	52.5	41.8
20:05 AM - 20:10 AM	43.1	41.6	42.7
20:10 AM - 20:15 AM	45.3	51.3	42.6
20:15 AM - 20:20 AM	43.3	51.2	42.0
20:20 AM - 20:25 AM	43.1	50.1	41.7
20:25 AM - 20:30 AM	42.7	49.6	41.6
20:30 AM - 20:35 AM	43.1	46.5	41.8
20:35 AM - 20:40 AM	43.0	48.8	41.9
20:40 AM - 20:45 AM	42.8	45.7	41.8
20:45 AM - 20:50 AM	42.7	44.6	42.0
20:50 AM - 20:55 AM	42.5	46.3	41.5
20:55 AM - 21:00 AM	42.9	52.1	41.5
21:00 AM - 21:05 AM	42.1	44.5	41.8
21:05 AM - 21:10 AM	42.2	45.5	40.8

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.,
204/115 26TH Fl. Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310

P/O : RNL-CB-03/066
Project Name : Laemchahang
Project Location :

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163544-1

Sample No. 24110378-28
Parameter Noise
Location N4 : ถนนพหลโยธินกมที่ 5 (GPS 47P 714305, 1441144) (Shut down)
Measurement Date Nov 01 - 02, 2024
Measurement by Santi Chachana
Sound Level Meter 01222724

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 PM - 05:00 PM	45.3	64.3	43.3
05:00 PM - 06:00 PM	44.7	70.1	43.2
06:00 PM - 07:00 PM	44.7	64.6	42.3
07:00 PM - 08:00 PM	42.7	63.7	41.7
08:00 PM - 09:00 PM	42.2	49.8	41.6
09:00 PM - 10:00 PM	42.5	62.2	41.4
10:00 PM - 10:05 PM	41.8	46.8	41.6
10:05 PM - 10:10 PM	65.8	88.4	51.4
10:10 PM - 10:15 PM	59.9	79.3	54.8
10:15 PM - 10:20 PM	52.6	67.4	46.6
10:20 PM - 10:25 PM	44.9	52.1	43.5
10:25 PM - 10:30 PM	45.5	58.2	43.3
10:30 PM - 10:35 PM	43.8	49.4	42.4
10:35 PM - 10:40 PM	43.5	50.5	42.2
10:40 PM - 10:45 PM	43.8	56.9	41.8
10:45 PM - 10:50 PM	44.4	52.8	42.6
10:50 PM - 10:55 PM	43.7	53.0	42.1
10:55 PM - 11:00 PM	43.7	54.1	42.2
11:00 PM - 11:05 PM	43.3	47.5	42.2
11:05 PM - 11:10 PM	43.7	60.7	42.4
11:10 PM - 11:15 PM	43.1	47.3	42.4
11:15 PM - 11:20 PM	43.7	56.6	41.9
11:20 PM - 11:25 PM	42.9	51.6	42.1
11:25 PM - 11:30 PM	42.6	46.7	41.8
11:30 PM - 11:35 PM	42.6	50.7	42.1
11:35 PM - 11:40 PM	42.9	46.6	41.9
11:40 PM - 11:45 PM	44.4	52.9	42.2
11:45 PM - 11:50 PM	43.5	50.0	42.7
11:50 PM - 11:55 PM	43.7	51.7	41.0
11:55 PM - 12:00 AM	43.7	51.6	42.4
12:00 AM - 12:05 AM	43.5	50.5	42.1
12:05 AM - 12:10 AM	43.1	50.0	42.0
12:10 AM - 12:15 AM	43.1	46.9	42.2
12:15 AM - 12:20 AM	43.4	41.2	42.3
12:20 AM - 12:25 AM	41.2	46.1	42.2
12:25 AM - 12:30 AM	42.9	45.0	42.4
12:30 AM - 12:35 AM	42.9	46.7	41.9
12:35 AM - 12:40 AM	42.9	52.5	41.9
12:40 AM - 12:45 AM	42.5	44.9	41.3
12:45 AM - 12:50 AM	42.5		

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.,
204/115 26TH Fl. Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310

P/O : RNL-CB-03/066
Project Name : Laemchahang
Project Location :

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163544-1

Sample No. 24110378-28
Parameter Noise
Location N4 : ถนนพหลโยธินกมที่ 5 (GPS 47P 714305, 1441144) (Shut down)
Measurement Date Nov 01 - 02, 2024
Measurement by Santi Chachana
Sound Level Meter 01222724

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:10 AM - 04:15 AM	43.1	45.1	42.1
04:15 AM - 04:20 AM	42.8	46.4	41.7
04:20 AM - 04:25 AM	46.4	62.5	41.6
04:25 AM - 04:30 AM	46.7	63.4	40.8
04:30 AM - 04:35 AM	54.7	71.4	40.9
04:35 AM - 04:40 AM	50.2	70.4	40.9
04:40 AM - 04:45 AM	56.0	70.8	41.4
04:45 AM - 04:50 AM	56.3	71.8	40.9
04:50 AM - 04:55 AM	51.3	71.2	41.0
04:55 AM - 05:00 AM	42.2	45.9	41.2
05:00 AM - 05:05 AM	55.1	71.3	41.4
05:05 AM - 05:10 AM	42.1	74.6	40.9
05:10 AM - 05:15 AM	42.6	47.3	41.4
05:15 AM - 05:20 AM	42.4	49.9	40.9
05:20 AM - 05:25 AM	42.4	47.0	41.0
05:25 AM - 05:30 AM	41.8	47.6	40.5
05:30 AM - 05:35 AM	42.2	46.5	40.7
05:35 AM - 05:40 AM	42.9	55.5	40.2
05:40 AM - 05:45 AM	41.8	49.6	39.9
05:45 AM - 05:50 AM	44.9	62.1	40.0
05:50 AM - 05:55 AM	41.8	54.5	39.5
05:55 AM - 06:00 AM	44.8	60.8	40.4
06:00 AM - 06:05 AM	48.0	72.7	39.9
06:05 AM - 06:10 AM	52.2	76.0	42.7
06:10 AM - 06:15 AM	51.3	67.0	41.4
06:15 AM - 06:20 AM	50.5	64.6	43.3
06:20 AM - 06:25 AM	51.4	65.9	45.4
06:25 AM - 06:30 AM	50.8	79.1	45.2
06:30 PM - 06:35 PM	48.1	71.5	41.1
06:35 PM - 06:40 PM	56.1	85.7	45.1
06:40 PM - 06:45 PM	50.5	71.2	41.3
06:45 PM - 06:50 PM	48.7	70.1	42.4

Reference Method :

- ISO 1996-1
- ใช้มาตรฐานวิธีวัดและประเมินค่าเสียงตามข้อกำหนดของกรมควบคุมมลพิษ พ.ศ. 2549 และใช้เครื่องมือวัดเสียงตามข้อกำหนดของกรมควบคุมมลพิษ พ.ศ. 2547

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italbhai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :
Sample No. : 24110378-29
Parameter : Noise
Location : N5 : ห้วยน้ำคร่ำ (ม. 2 แคว้นอุบลราชธานี) (GPS 47P 715611, 1441346) (Shut down)
Measurement Date : Oct 26 - 27, 2024
Measurement by : Sanu Chachana
Sound Level Meter : 01122579

Lot ID: 24110378
Date Received: Nov 06, 2024
Date Reported: Nov 15, 2024
Report No.: 3163545-1

Page 1 of 3

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 PM - 04:00 PM	39.4	60.2	36.9
04:00 PM - 05:00 PM	43.0	71.8	37.0
05:00 PM - 06:00 PM	40.3	73.5	40.5
06:00 PM - 07:00 PM	41.2	65.0	46.8
07:00 PM - 08:00 PM	50.7	66.3	49.9
08:00 PM - 09:00 PM	50.6	58.7	50.1
09:00 PM - 10:00 PM	49.2	59.5	48.6
10:00 PM - 10:05 PM	48.7	55.3	48.0
10:05 PM - 10:10 PM	48.6	51.4	48.1
10:10 PM - 10:15 PM	48.6	50.1	48.6
10:15 PM - 10:20 PM	48.4	50.1	48.4
10:20 PM - 10:25 PM	48.9	51.9	48.3
10:25 PM - 10:30 PM	48.7	51.7	48.3
10:30 PM - 10:35 PM	50.1	66.4	48.3
10:35 PM - 10:40 PM	48.4	48.4	47.9
10:40 PM - 10:45 PM	48.4	50.3	47.7
10:45 PM - 10:50 PM	48.3	51.7	48.2
10:50 PM - 10:55 PM	49.5	49.5	48.1
10:55 PM - 11:00 PM	48.7	50.7	48.2
11:00 PM - 11:05 PM	49.7	49.9	48.2
11:05 PM - 11:10 PM	49.0	51.4	48.3
11:10 PM - 11:15 PM	48.4	52.3	47.6
11:15 PM - 11:20 PM	48.2	50.0	47.6
11:20 PM - 11:25 PM	48.4	50.5	48.5
11:25 PM - 11:30 PM	48.9	50.4	48.4
11:30 PM - 11:35 PM	48.6	50.0	47.9
11:35 PM - 11:40 PM	48.3	51.2	47.7
11:40 PM - 11:45 PM	48.4	54.9	47.5
11:45 PM - 11:50 PM	48.3	49.8	47.6
11:50 PM - 11:55 PM	48.4	48.4	48.1
11:55 PM - 12:00 PM	48.2	51.7	47.7
12:00 AM - 12:05 AM	48.3	50.1	47.6
12:05 AM - 12:10 AM	47.8	49.6	47.3
12:10 AM - 12:15 AM	47.8	52.4	47.8
12:15 AM - 12:20 AM	48.0	50.7	47.3
12:20 AM - 12:25 AM	48.1	50.8	47.5
12:25 AM - 12:30 AM	47.5	50.5	47.8
12:30 AM - 12:35 AM	49.4	49.4	48.8
12:35 AM - 12:40 AM	47.7	56.4	48.8
12:40 AM - 12:45 AM	47.6	51.9	46.9

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italbhai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :
Sample No. : 24110378-29
Parameter : Noise
Location : N5 : ห้วยน้ำคร่ำ (ม. 2 แคว้นอุบลราชธานี) (GPS 47P 715611, 1441346) (Shut down)
Measurement Date : Oct 26 - 27, 2024
Measurement by : Sanu Chachana
Sound Level Meter : 01122579

Lot ID: 24110378
Date Received: Nov 06, 2024
Date Reported: Nov 15, 2024
Report No.: 3163545-1

Page 2 of 3

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:45 AM - 12:50 AM	47.9	56.3	46.9
12:50 AM - 12:55 AM	47.5	49.3	46.8
12:55 AM - 01:00 AM	47.6	50.3	47.1
01:00 AM - 01:05 AM	47.3	49.3	46.4
01:05 AM - 01:10 AM	47.2	49.2	46.5
01:10 AM - 01:15 AM	46.6	48.6	45.8
01:15 AM - 01:20 AM	47.0	48.7	46.3
01:20 AM - 01:25 AM	47.5	54.5	46.1
01:25 AM - 01:30 AM	46.4	49.8	45.6
01:30 AM - 01:35 AM	46.4	50.2	45.3
01:35 AM - 01:40 AM	46.2	52.0	45.6
01:40 AM - 01:45 AM	46.4	55.6	45.4
01:45 AM - 01:50 AM	45.9	47.5	45.4
01:50 AM - 01:55 AM	45.7	47.8	45.2
01:55 AM - 02:00 AM	47.0	53.0	44.8
02:00 AM - 02:05 AM	45.5	48.6	45.0
02:05 AM - 02:10 AM	45.6	51.9	45.1
02:10 AM - 02:15 AM	46.3	60.4	45.4
02:15 AM - 02:20 AM	45.3	49.3	44.5
02:20 AM - 02:25 AM	44.8	48.3	44.3
02:25 AM - 02:30 AM	45.7	49.7	45.0
02:30 AM - 02:35 AM	48.2	49.4	45.3
02:35 AM - 02:40 AM	46.5	50.0	45.8
02:40 AM - 02:45 AM	47.5	51.8	47.2
02:45 AM - 02:50 AM	46.6	49.6	45.8
02:50 AM - 02:55 AM	46.1	48.9	45.5
02:55 AM - 03:00 PM	46.3	48.5	45.5
03:00 AM - 03:05 AM	46.1	48.4	45.6
03:05 AM - 03:10 AM	48.8	49.0	45.9
03:10 AM - 03:15 AM	48.9	48.4	46.3
03:15 AM - 03:20 AM	48.7	48.7	45.9
03:20 AM - 03:25 AM	46.8	49.5	45.8
03:25 AM - 03:30 AM	46.4	48.4	45.6
03:30 AM - 03:35 AM	46.3	48.4	45.4
03:35 AM - 03:40 AM	46.4	48.3	45.7
03:40 AM - 03:45 AM	46.8	48.7	46.2
03:45 AM - 03:50 AM	47.0	49.2	46.4
03:50 AM - 03:55 AM	46.8	48.7	46.1
03:55 AM - 04:00 AM	47.4	51.6	46.6
04:00 AM - 04:05 AM	47.2	52.6	46.3

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Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italbhai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :
Sample No. : 24110378-29
Parameter : Noise
Location : N5 : ห้วยน้ำคร่ำ (ม. 2 แคว้นอุบลราชธานี) (GPS 47P 715611, 1441346) (Shut down)
Measurement Date : Oct 26 - 27, 2024
Measurement by : Sanu Chachana
Sound Level Meter : 01122579

Lot ID: 24110378
Date Received: Nov 06, 2024
Date Reported: Nov 15, 2024
Report No.: 3163545-1

Page 3 of 3

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:05 AM - 04:10 AM	47.0	50.7	46.3
04:10 AM - 04:15 AM	47.6	53.1	46.7
04:15 AM - 04:20 AM	47.3	49.2	46.5
04:20 AM - 04:25 AM	47.3	50.9	46.7
04:25 AM - 04:30 AM	48.2	58.0	47.1
04:30 AM - 04:35 AM	49.7	58.0	48.4
04:35 AM - 04:40 AM	48.9	51.1	48.9
04:40 AM - 04:45 AM	49.0	51.0	48.4
04:45 AM - 04:50 AM	49.4	54.9	48.5
04:50 AM - 04:55 AM	48.8	52.1	47.9
04:55 AM - 05:00 AM	48.5	50.8	47.8
05:00 AM - 05:05 AM	48.4	50.3	47.7
05:05 AM - 05:10 AM	48.5	52.0	47.8
05:10 AM - 05:15 AM	48.9	50.9	48.3
05:15 AM - 05:20 AM	48.5	50.0	47.9
05:20 AM - 05:25 AM	49.3	57.5	48.2
05:25 AM - 05:30 AM	50.0	59.2	47.9
05:30 AM - 05:35 AM	49.1	55.9	48.1
05:35 AM - 05:40 AM	49.6	56.7	48.6
05:40 AM - 05:45 AM	50.5	59.5	49.1
05:45 AM - 05:50 AM	48.6	57.2	47.7
05:50 AM - 05:55 AM	48.3	56.4	47.0
05:55 AM - 06:00 AM	47.6	52.2	46.8
06:00 AM - 06:05 AM	48.7	51.6	46.2
06:05 AM - 06:10 AM	46.4	60.4	44.3
06:10 AM - 06:15 AM	42.3	57.6	39.3
06:15 AM - 06:20 AM	42.0	54.1	39.5
06:20 AM - 06:25 AM	42.2	50.3	37.3
06:25 AM - 06:30 PM	40.2	55.0	37.1
06:30 PM - 06:35 PM	40.0	65.1	36.2
06:35 PM - 06:40 PM	40.7	57.7	38.4
06:40 PM - 06:45 PM	42.5	69.6	38.0

Reference Method :
1. ISO 1996-1

2. ข้อมูลการตรวจวัดตามมาตรฐานวิธี 5 มีค่าการตรวจวัดเกินมาตรฐานตามข้อกำหนด 24 ชั่วโมง ค่าเฉลี่ยตามมาตรฐานวิธี 5 มีค่าการตรวจวัดเกินมาตรฐานตามข้อกำหนด 24 ชั่วโมง

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italbhai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :
Sample No. : 24110378-30
Parameter : Noise
Location : N5 : ห้วยน้ำคร่ำ (ม. 2 แคว้นอุบลราชธานี) (GPS 47P 715611, 1441346) (Shut down)
Measurement Date : Oct 27 - 28, 2024
Measurement by : Sanu Chachana
Sound Level Meter : 01122579

Lot ID: 24110378
Date Received: Nov 06, 2024
Date Reported: Nov 15, 2024
Report No.: 3163546-1

Page 1 of 3

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 PM - 04:00 PM	46.8	59.6	38.6
04:00 PM - 05:00 PM	41.5	55.9	39.1
05:00 PM - 06:00 PM	44.2	56.5	41.1
06:00 PM - 07:00 PM	48.7	57.8	47.2
07:00 PM - 08:00 PM	50.8	58.8	49.9
08:00 PM - 09:00 PM	52.0	57.7	50.7
09:00 PM - 10:00 PM	51.6	61.0	51.2
10:00 PM - 10:05 PM	54.6	59.4	51.7
10:05 PM - 10:10 PM	55.6	55.6	49.5
10:10 PM - 10:15 PM	51.8	51.9	48.5
10:15 PM - 10:20 PM	49.4	58.1	47.9
10:20 PM - 10:25 PM	50.3	58.3	48.4
10:25 PM - 10:30 PM	54.0	58.7	51.1
10:30 PM - 10:35 PM	54.3	59.0	49.3
10:35 PM - 10:40 PM	51.0	58.3	48.3
10:40 PM - 10:45 PM	52.8	57.5	49.4
10:45 PM - 10:50 PM	51.3	57.7	48.1
10:50 PM - 10:55 PM	54.1	61.2	48.5
10:55 PM - 11:00 PM	55.7	60.5	51.8
11:00 PM - 11:05 PM	53.3	58.8	46.7
11:05 PM - 11:10 PM	51.4	59.1	50.5
11:10 PM - 11:15 PM	54.2	58.7	52.4
11:15 PM - 11:20 PM	53.3	57.6	51.4
11:20 PM - 11:25 PM	51.9	57.9	48.0
11:25 PM - 11:30 PM	53.3	57.8	51.0
11:30 PM - 11:35 PM	52.8	58.4	49.8
11:35 PM - 11:40 PM	55.0	62.2	46.6
11:40 PM - 11:45 PM	61.3	57.3	51.7
11:45 PM - 11:50 PM	56.2	59.5	54.2
11:50 PM - 11:55 PM	56.0	60.4	54.0
11:55 PM - 12:00 AM	51.4	51.8	51.8
12:00 AM - 12:05 AM	54.9	59.2	52.2
12:05 AM - 12:10 AM	56.4	64.6	57.0
12:10 AM - 12:15 AM	57.7	61.2	55.8
12:15 AM - 12:20 AM	58.4	61.5	55.2
12:20 AM - 12:25 AM	61.9	71.4	56.4
12:25 AM - 12:30 AM	57.9	61.6	56.2
12:30 AM - 12:35 AM	50.3	60.4	53.7
12:35 AM - 12:40 AM	55.7	59.4	54.1
12:40 AM - 12:45 AM	55.6	60.0	53.0

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310

P/O : RJN-ICB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No : 3163546-1

Page 2 of 3

Sample No. : 24110378-30
Parameter : Noise
Location : NS : หน้าท่าเรือ (u. 2 ระดับพื้น) (GPS 47P 715611, 1441346) (Shut down)
Measurement Date : Oct 27 - 28, 2024
Measurement by : Santi Chachana
Sound Level Meter : 01122579

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:45 AM - 12:50 AM	52.9	57.3	51.1
12:50 AM - 12:55 AM	51.5	56.5	49.0
12:55 AM - 01:00 AM	51.2	55.8	49.0
01:00 AM - 01:05 AM	51.3	56.8	49.0
01:05 AM - 01:10 AM	50.8	55.4	48.5
01:10 AM - 01:15 AM	49.6	55.3	46.6
01:15 AM - 01:20 AM	49.5	54.4	46.9
01:20 AM - 01:25 AM	48.5	54.8	45.8
01:25 AM - 01:30 AM	48.3	53.3	46.1
01:30 AM - 01:35 AM	49.3	52.5	47.1
01:35 AM - 01:40 AM	48.4	53.2	46.4
01:40 AM - 01:45 AM	47.5	55.4	45.3
01:45 AM - 01:50 AM	47.4	56.6	45.6
01:50 AM - 01:55 AM	46.4	51.7	44.2
01:55 AM - 02:00 AM	47.6	53.3	44.6
02:00 AM - 02:05 AM	47.8	55.3	43.0
02:05 AM - 02:10 AM	46.3	53.5	45.7
02:10 AM - 02:15 AM	49.6	65.3	47.1
02:15 AM - 02:20 AM	48.6	60.4	46.7
02:20 AM - 02:25 AM	53.4	76.5	46.6
02:25 AM - 02:30 AM	50.0	66.6	46.1
02:30 AM - 02:35 AM	47.8	53.5	46.3
02:35 AM - 02:40 AM	48.3	54.7	47.0
02:40 AM - 02:45 AM	48.1	53.0	47.6
02:45 AM - 02:50 AM	49.5	54.8	46.1
02:50 AM - 02:55 AM	49.5	53.4	48.5
02:55 AM - 03:00 AM	48.9	53.5	48.3
03:00 AM - 03:05 AM	49.4	52.0	47.9
03:05 AM - 03:10 AM	46.1	52.4	46.1
03:10 AM - 03:15 AM	50.3	53.1	49.4
03:15 AM - 03:20 AM	50.7	61.9	49.7
03:20 AM - 03:25 AM	50.1	53.1	49.1
03:25 AM - 03:30 AM	49.6	53.0	48.5
03:30 AM - 03:35 AM	49.4	52.9	48.1
03:35 AM - 03:40 AM	50.0	54.8	48.6
03:40 AM - 03:45 AM	49.5	53.0	48.1
03:45 AM - 03:50 AM	49.6	53.1	48.6
03:50 AM - 03:55 AM	49.7	53.3	48.8
03:55 AM - 04:00 AM	50.0	53.3	49.2
04:00 AM - 04:05 AM	50.5	52.8	49.8

The above results are valid only for the analyzed location (u. 2) as indicated in this report. The data for this report are valid only for the purpose of noise assessment and are not to be used for any other purpose. ALS is not responsible for any errors or omissions in this report.

Approved by

Wibb.
Wibb. Borik
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310

P/O : RJN-ICB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No : 3163546-1

Page 3 of 3

Sample No. : 24110378-30
Parameter : Noise
Location : NS : หน้าท่าเรือ (u. 2 ระดับพื้น) (GPS 47P 715611, 1441346) (Shut down)
Measurement Date : Oct 27 - 28, 2024
Measurement by : Santi Chachana
Sound Level Meter : 01122579

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:05 AM - 04:10 AM	50.1	53.3	49.6
04:10 AM - 04:15 AM	50.8	53.1	50.0
04:15 AM - 04:20 AM	51.9	53.8	51.2
04:20 AM - 04:25 AM	52.0	54.0	51.2
04:25 AM - 04:30 AM	52.4	54.5	51.5
04:30 AM - 04:35 AM	52.9	55.0	52.0
04:35 AM - 04:40 AM	53.1	54.9	52.4
04:40 AM - 04:45 AM	53.1	55.3	52.3
04:45 AM - 04:50 AM	52.7	55.3	51.9
04:50 AM - 04:55 AM	52.7	54.5	51.9
04:55 AM - 05:00 AM	52.3	54.0	51.4
05:00 AM - 05:05 AM	52.2	54.3	51.0
05:05 AM - 05:10 AM	51.5	53.5	50.7
05:10 AM - 05:15 AM	50.3	52.6	49.6
05:15 AM - 05:20 AM	51.3	54.6	50.0
05:20 AM - 05:25 AM	51.7	54.1	49.8
05:25 AM - 05:30 AM	51.6	57.4	49.9
05:30 AM - 05:35 AM	51.0	54.9	48.6
05:35 AM - 05:40 AM	51.2	56.3	50.1
05:40 AM - 05:45 AM	52.1	57.2	50.8
05:45 AM - 05:50 AM	51.2	57.2	49.3
05:50 AM - 05:55 AM	50.4	55.0	49.7
05:55 AM - 06:00 AM	50.5	55.8	49.5
06:00 AM - 07:00 AM	49.8	57.8	48.7
07:00 AM - 08:00 AM	49.9	76.9	48.7
08:00 AM - 09:00 AM	50.0	73.2	46.1
09:00 AM - 10:00 AM	50.4	74.7	45.8
10:00 AM - 11:00 AM	49.1	64.1	43.9
11:00 AM - 12:00 PM	46.2	67.7	47.1
12:00 PM - 01:00 PM	49.9	56.6	47.8
01:00 PM - 02:00 PM	50.1	61.1	47.0
02:00 PM - 03:00 PM	46.0	76.0	40.1

Reference Method :

- ISO 1996-1
- มาตรฐานการวัดระดับเสียงรบกวน (สำหรับพื้นที่อยู่อาศัย) 24 ชั่วโมง และระดับเสียงรบกวนจากแหล่งกำเนิดเสียงภายในอาคาร

The above results are valid only for the analyzed location (u. 2) as indicated in this report. The data for this report are valid only for the purpose of noise assessment and are not to be used for any other purpose. ALS is not responsible for any errors or omissions in this report.

Approved by

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Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310

P/O : RJN-ICB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No : 3163547-1

Page 1 of 3

Sample No. : 24110378-31
Parameter : Noise
Location : NS : หน้าท่าเรือ (u. 2 ระดับพื้น) (GPS 47P 715611, 1441346) (Shut down)
Measurement Date : Oct 28 - 29, 2024
Measurement by : Santi Chachana
Sound Level Meter : 01122579

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 PM - 04:00 PM	45.6	72.9	29.1
04:00 PM - 05:00 PM	47.2	75.1	27.8
05:00 PM - 06:00 PM	45.4	66.9	42.5
06:00 PM - 07:00 PM	51.5	65.5	49.1
07:00 PM - 08:00 PM	52.7	64.6	51.8
08:00 PM - 09:00 PM	56.9	62.9	56.1
09:00 PM - 10:00 PM	56.7	62.2	57.2
10:00 PM - 10:05 PM	57.3	61.8	58.4
10:05 PM - 10:10 PM	57.6	60.2	56.2
10:10 PM - 10:15 PM	58.1	60.7	56.9
10:15 PM - 10:20 PM	57.9	61.2	56.1
10:20 PM - 10:25 PM	56.3	54.2	56.0
10:25 PM - 10:30 PM	56.0	54.2	54.2
10:30 PM - 10:35 PM	56.0	59.4	55.0
10:35 PM - 10:40 PM	54.7	58.4	52.3
10:40 PM - 10:45 PM	53.3	59.2	50.5
10:45 PM - 10:50 PM	53.5	58.2	51.1
10:50 PM - 10:55 PM	56.2	58.2	54.6
10:55 PM - 11:00 PM	55.8	65.7	54.1
11:00 PM - 11:05 PM	55.5	59.0	53.5
11:05 PM - 11:10 PM	54.6	58.7	52.4
11:10 PM - 11:15 PM	53.1	57.6	51.4
11:15 PM - 11:20 PM	54.8	58.5	52.3
11:20 PM - 11:25 PM	53.3	58.1	50.8
11:25 PM - 11:30 PM	52.2	56.4	50.4
11:30 PM - 11:35 PM	51.6	55.1	50.2
11:35 PM - 11:40 PM	51.9	56.1	50.2
11:40 PM - 11:45 PM	51.8	56.3	50.7
11:45 PM - 11:50 PM	51.3	51.8	50.8
11:50 PM - 11:55 PM	52.4	51.4	50.5
11:55 PM - 12:00 AM	51.7	56.1	50.1
12:00 AM - 12:05 AM	51.6	56.5	50.2
12:05 AM - 12:10 AM	51.9	55.7	50.2
12:10 AM - 12:15 AM	51.3	57.2	49.8
12:15 AM - 12:20 AM	50.9	55.3	49.4
12:20 AM - 12:25 AM	50.2	54.1	46.7
12:25 AM - 12:30 AM	50.4	57.3	49.1
12:30 AM - 12:35 AM	50.3	54.2	48.4
12:35 AM - 12:40 AM	49.5	54.0	47.7
12:40 AM - 12:45 AM	49.5	54.0	47.9

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310

P/O : RJN-ICB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No : 3163547-1

Page 2 of 3

Sample No. : 24110378-31
Parameter : Noise
Location : NS : หน้าท่าเรือ (u. 2 ระดับพื้น) (GPS 47P 715611, 1441346) (Shut down)
Measurement Date : Oct 28 - 29, 2024
Measurement by : Santi Chachana
Sound Level Meter : 01122579

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:45 AM - 12:50 AM	45.9	54.6	41.9
12:50 AM - 12:55 AM	45.4	53.1	41.9
12:55 AM - 01:00 AM	48.8	52.6	41.9
01:00 AM - 01:05 AM	48.6	52.5	47.5
01:05 AM - 01:10 AM	48.6	51.4	47.6
01:10 AM - 01:15 AM	48.1	51.4	47.3
01:15 AM - 01:20 AM	48.3	51.6	47.3
01:20 AM - 01:25 AM	48.5	51.3	47.6
01:25 AM - 01:30 AM	48.4	51.7	47.4
01:30 AM - 01:35 AM	48.3	52.5	47.4
01:35 AM - 01:40 AM	48.1	52.4	47.0
01:40 AM - 01:45 AM	48.5	51.9	47.2
01:45 AM - 01:50 AM	47.8	50.8	46.8
01:50 AM - 01:55 AM	47.7	50.4	46.7
01:55 AM - 02:00 AM	48.3	52.3	47.1
02:00 AM - 02:05 AM	47.6	53.1	46.6
02:05 AM - 02:10 AM	47.6	50.5	46.8
02:10 AM - 02:15 AM	49.0	54.3	47.2
02:15 AM - 02:20 AM	48.2	53.4	47.1
02:20 AM - 02:25 AM	49.1	54.1	48.0
02:25 AM - 02:30 AM	49.0	52.7	47.5
02:30 AM - 02:35 AM	48.4	56.4	47.3
02:35 AM - 02:40 AM	49.0	52.3	47.7
02:40 AM - 02:45 AM	48.2	52.3	47.2
02:45 AM - 02:50 AM	48.0	52.2	47.1
02:50 AM - 02:55 AM	49.7	50.1	47.1
02:55 AM - 03:00 AM	49.7	51.4	47.7
03:00 AM - 03:05 AM	49.3	51.4	46.3
03:05 AM - 03:10 AM	49.2	51.8	48.0
03:10 AM - 03:15 AM	49.0	52.9	48.6
03:15 AM - 03:20 AM	49.0	53.3	48.8
03:20 AM - 03:25 AM	49.3	51.7	49.1
03:25 AM - 03:30 AM	51.2	54.9	49.5
03:30 AM - 03:35 AM	51.2	54.3	49.3
03:35 AM - 03:40 AM	51.4	54.4	49.4
03:40 AM - 03:45 AM	51.6	54.5	49.6
03:45 AM - 03:50 AM	50.8	54.1	48.4
03:50 AM - 03:55 AM	51.3	54.1	48.3
03:55 AM - 04:00 AM	51.7	54.5	50.1
04:00 AM - 04:05 AM	52.0	54.6	50.2

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laenchabang
Project Location :
Page 3 of 3

Sample No. 24110378-31
Parameter Noise
Location NS : ย่านวัดทอง (น. 2 ไร่สวนผลไม้) (GPS 47P 715611, 1441346) (Shut down)
Measurement Date Oct 28 - 29, 2024
Measurement by Sanit Chakchana
Sound Level Meter 01122579

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:05 AM - 04:10 AM	51.7	54.8	50.3
04:10 AM - 04:15 AM	51.4	54.3	50.0
04:15 AM - 04:20 AM	51.0	54.4	49.5
04:20 AM - 04:25 AM	51.2	54.5	49.6
04:25 AM - 04:30 AM	50.8	54.1	49.5
04:30 AM - 04:35 AM	49.4	52.4	48.5
04:35 AM - 04:40 AM	49.6	54.0	49.4
04:40 AM - 04:45 AM	49.6	52.6	48.3
04:45 AM - 04:50 AM	50.0	53.3	49.7
04:50 AM - 04:55 AM	50.5	53.9	49.3
04:55 AM - 05:00 AM	50.0	53.0	49.0
05:00 AM - 05:05 AM	50.0	52.8	49.0
05:05 AM - 05:10 AM	50.4	52.5	49.6
05:10 AM - 05:15 AM	49.4	51.5	49.0
05:15 AM - 05:20 AM	49.9	52.7	49.0
05:20 AM - 05:25 AM	50.3	52.6	49.5
05:25 AM - 05:30 AM	50.1	52.4	49.4
05:30 AM - 05:35 AM	49.5	53.9	48.5
05:35 AM - 05:40 AM	50.1	56.0	48.9
05:40 AM - 05:45 AM	49.0	52.3	48.0
05:45 AM - 05:50 AM	48.3	51.7	47.4
05:50 AM - 05:55 AM	48.3	54.8	47.3
05:55 AM - 06:00 AM	48.4	55.6	47.2
06:00 AM - 06:05 AM	52.5	56.3	47.0
06:05 AM - 06:10 AM	48.6	56.9	46.4
06:10 AM - 06:15 AM	48.4	57.3	46.3
06:15 AM - 06:20 AM	44.5	50.3	45.8
06:20 AM - 06:25 AM	50.4	52.6	47.4
06:25 AM - 06:30 AM	43.2	48.4	43.2
06:30 AM - 06:35 AM	43.3	48.0	43.5
06:35 AM - 06:40 AM	43.9	47.0	43.2
06:40 AM - 06:45 AM	35.6	55.4	36.4

Reference Method :

- ISO 1996-1
- ใช้มาตรฐานในการคำนวณค่าเสียง มีมาตรฐานวิธีวัดและคำนวณค่าเสียงตามมาตรฐาน 24 ชั่วโมง และตามวิธีคำนวณค่าเสียงตามข้อกำหนดของกรมฯ พ.ศ. 2567

Approved by

Wibaw Bittak
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laenchabang
Project Location :
Page 3 of 3

Sample No. 24110378-32
Parameter Noise
Location NS : ย่านวัดทอง (น. 2 ไร่สวนผลไม้) (GPS 47P 715611, 1441346) (Shut down)
Measurement Date Oct 29 - 30, 2024
Measurement by Sanit Chakchana
Sound Level Meter 01122579

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 PM - 04:00 PM	48.2	65.0	35.7
04:00 PM - 05:00 PM	50.1	60.7	36.6
05:00 PM - 06:00 PM	54.0	65.3	37.8
06:00 PM - 07:00 PM	55.7	63.7	37.6
07:00 PM - 08:00 PM	53.0	53.7	50.3
08:00 PM - 09:00 PM	53.2	61.5	51.5
09:00 PM - 10:00 PM	54.1	62.4	52.9
10:00 PM - 10:05 PM	52.3	55.7	50.2
10:05 PM - 10:10 PM	53.6	55.2	50.3
10:10 PM - 10:15 PM	51.8	55.3	50.4
10:15 PM - 10:20 PM	51.8	56.2	50.4
10:20 PM - 10:25 PM	51.5	56.6	50.1
10:25 PM - 10:30 PM	50.9	56.2	49.5
10:30 PM - 10:35 PM	50.2	53.3	49.2
10:35 PM - 10:40 PM	49.6	53.0	48.9
10:40 PM - 10:45 PM	49.4	53.0	48.6
10:45 PM - 10:50 PM	52.3	60.7	48.4
10:50 PM - 10:55 PM	49.3	52.0	48.6
10:55 PM - 11:00 PM	49.0	51.9	48.3
11:00 PM - 11:05 PM	48.1	52.4	47.9
11:05 PM - 11:10 PM	48.8	53.2	47.9
11:10 PM - 11:15 PM	48.5	52.5	47.7
11:15 PM - 11:20 PM	48.0	52.0	47.3
11:20 PM - 11:25 PM	47.7	52.0	47.0
11:25 PM - 11:30 PM	48.1	52.1	47.4
11:30 PM - 11:35 PM	47.8	52.3	46.9
11:35 PM - 11:40 PM	47.4	52.3	47.0
11:40 PM - 11:45 PM	47.4	51.7	46.5
11:45 PM - 11:50 PM	47.5	52.2	46.4
11:50 PM - 11:55 PM	47.3	51.5	46.5
11:55 PM - 12:00 AM	47.1	53.6	46.1
12:00 AM - 12:05 AM	46.5	48.1	45.7
12:05 AM - 12:10 AM	46.4	51.3	45.7
12:10 AM - 12:15 AM	46.3	49.4	45.4
12:15 AM - 12:20 AM	46.0	48.0	45.2
12:20 AM - 12:25 AM	46.5	50.9	45.8
12:25 AM - 12:30 AM	46.3	49.3	45.4
12:30 AM - 12:35 AM	46.2	49.7	45.9
12:35 AM - 12:40 AM	46.8	48.1	46.2
12:40 AM - 12:45 AM	46.7	49.1	46.1

Approved by

Wibaw Bittak
Manager

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Analysis / Test Report

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203/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laenchabang
Project Location :
Page 2 of 3

Sample No. 24110378-32
Parameter Noise
Location NS : ย่านวัดทอง (น. 2 ไร่สวนผลไม้) (GPS 47P 715611, 1441346) (Shut down)
Measurement Date Oct 29 - 30, 2024
Measurement by Sanit Chakchana
Sound Level Meter 01122579

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:45 AM - 12:50 AM	48.3	49.1	45.9
12:50 AM - 12:55 AM	46.6	49.2	45.9
12:55 AM - 01:00 AM	46.0	49.1	45.1
01:00 AM - 01:05 AM	47.0	48.8	46.0
01:05 AM - 01:10 AM	47.0	49.6	46.1
01:10 AM - 01:15 AM	47.2	52.4	46.2
01:15 AM - 01:20 AM	46.4	49.4	45.7
01:20 AM - 01:25 AM	47.1	50.0	46.3
01:25 AM - 01:30 AM	46.5	49.1	45.7
01:30 AM - 01:35 AM	46.6	49.0	46.0
01:35 AM - 01:40 AM	46.6	49.3	46.0
01:40 AM - 01:45 AM	46.5	48.7	45.9
01:45 AM - 01:50 AM	45.9	48.3	45.2
01:50 AM - 01:55 AM	45.8	51.0	44.8
01:55 AM - 02:00 AM	45.7	47.2	45.3
02:00 AM - 02:05 AM	45.8	48.7	45.2
02:05 AM - 02:10 AM	45.8	55.7	44.9
02:10 AM - 02:15 AM	46.4	62.4	44.9
02:15 AM - 02:20 AM	47.6	59.5	45.3
02:20 AM - 02:25 AM	46.3	50.9	45.4
02:25 AM - 02:30 AM	46.3	53.2	45.4
02:30 AM - 02:35 AM	47.0	57.9	45.6
02:35 AM - 02:40 AM	47.5	61.3	46.2
02:40 AM - 02:45 AM	47.7	59.2	46.2
02:45 AM - 02:50 AM	47.1	56.6	45.6
02:50 AM - 02:55 AM	48.0	63.1	45.5
02:55 AM - 03:00 AM	49.6	65.2	45.2
03:00 AM - 03:05 AM	48.1	64.9	45.0
03:05 AM - 03:10 AM	48.7	64.4	45.9
03:10 AM - 03:15 AM	50.6	64.1	45.4
03:15 AM - 03:20 AM	47.2	66.8	45.5
03:20 AM - 03:25 AM	48.0	61.1	45.5
03:25 AM - 03:30 AM	46.9	56.5	45.2
03:30 AM - 03:35 AM	45.6	56.8	43.4
03:35 AM - 03:40 AM	45.2	62.2	42.7
03:40 AM - 03:45 AM	44.9	64.8	43.0
03:45 AM - 03:50 AM	46.3	60.1	44.9
03:50 AM - 03:55 AM	46.0	54.7	45.0
03:55 AM - 04:00 AM	47.5	61.8	46.4
04:00 AM - 04:05 AM	49.3	60.1	47.0

Approved by

Wibaw Bittak
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
203/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laenchabang
Project Location :
Page 3 of 3

Sample No. 24110378-32
Parameter Noise
Location NS : ย่านวัดทอง (น. 2 ไร่สวนผลไม้) (GPS 47P 715611, 1441346) (Shut down)
Measurement Date Oct 29 - 30, 2024
Measurement by Sanit Chakchana
Sound Level Meter 01122579

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:05 AM - 04:10 AM	48.4	55.9	48.0
04:10 AM - 04:15 AM	47.5	51.4	47.1
04:15 AM - 04:20 AM	47.6	51.3	46.1
04:20 AM - 04:25 AM	47.4	50.2	46.5
04:25 AM - 04:30 AM	47.7	50.1	46.9
04:30 AM - 04:35 AM	47.5	49.7	46.7
04:35 AM - 04:40 AM	47.6	50.2	46.9
04:40 AM - 04:45 AM	48.0	55.3	46.9
04:45 AM - 04:50 AM	48.0	56.4	46.9
04:50 AM - 04:55 AM	47.8	53.5	46.8
04:55 AM - 05:00 AM	47.3	50.5	46.5
05:00 AM - 05:05 AM	47.3	49.8	46.6
05:05 AM - 05:10 AM	50.1	56.8	48.6
05:10 AM - 05:15 AM	53.2	59.2	50.6
05:15 AM - 05:20 AM	53.0	57.9	51.6
05:20 AM - 05:25 AM	53.2	57.5	52.2
05:25 AM - 05:30 AM	53.0	57.0	52.0
05:30 AM - 05:35 AM	52.3	55.5	51.8
05:35 AM - 05:40 AM	53.1	59.5	52.2
05:40 AM - 05:45 AM	50.6	57.7	48.5
05:45 AM - 05:50 AM	48.5	57.8	47.3
05:50 AM - 05:55 AM	47.7	50.7	46.9
05:55 AM - 06:00 AM	46.8	51.7	46.1
06:00 AM - 07:00 AM	45.5	74.6	45.7
07:00 AM - 08:00 AM	47.9	65.3	46.6
08:00 AM - 09:00 AM	47.0	61.8	45.9
09:00 AM - 10:00 AM	43.7	66.4	40.0
10:00 AM - 11:00 AM	42.3	66.5	38.1
11:00 AM - 12:00 PM	50.2	61.1	38.3
12:00 PM - 01:00 PM	42.7	68.2	35.4
01:00 PM - 02:00 PM	42.1	67.3	36.3
02:00 PM - 03:00 PM	39.0	58.3	36.2

Reference Method :

- ISO 1996-1
- ใช้มาตรฐานในการคำนวณค่าเสียง มีมาตรฐานวิธีวัดและคำนวณค่าเสียงตามมาตรฐาน 24 ชั่วโมง และตามวิธีคำนวณค่าเสียงตามข้อกำหนดของกรมฯ พ.ศ. 2567

Approved by

Wibaw Bittak
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italbhai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RNLCD-03/66
Project Name : Laemchabang
Project Location :
Sample No. : 24110378-33
Parameter : Noise
Location : NS : วัดสุทธิวราราม (u. 2 วัดสุทธิวราราม) (GPS 47P 715611, 1441346) (Shut down)
Measurement Date : Oct 30 - 31, 2024
Measurement by : Santi Chachana
Sound Level Meter : 01122579

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163549-1

Page 1 of 3

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 PM - 04:00 PM	41.4	60.2	36.0
04:00 PM - 05:00 PM	49.7	81.1	36.3
05:00 PM - 06:00 PM	45.5	67.8	40.6
06:00 PM - 07:00 PM	43.7	64.3	40.7
07:00 PM - 08:00 PM	51.0	61.5	50.4
08:00 PM - 09:00 PM	51.3	60.0	50.7
09:00 PM - 10:00 PM	50.6	64.2	50.0
10:00 PM - 10:05 PM	49.5	51.6	49.9
10:05 PM - 10:10 PM	48.9	50.5	48.2
10:10 PM - 10:15 PM	49.2	52.9	49.5
10:15 PM - 10:20 PM	49.4	51.2	48.8
10:20 PM - 10:25 PM	49.1	50.7	48.5
10:25 PM - 10:30 PM	49.2	58.4	48.5
10:30 PM - 10:35 PM	49.0	51.6	48.4
10:35 PM - 10:40 PM	48.9	52.0	48.1
10:40 PM - 10:45 PM	49.3	53.2	48.2
10:45 PM - 10:50 PM	49.0	52.9	48.2
10:50 PM - 10:55 PM	49.1	51.7	48.5
10:55 PM - 11:00 PM	48.8	53.5	48.6
11:00 PM - 11:05 PM	49.5	52.8	48.7
11:05 PM - 11:10 PM	48.5	50.5	47.9
11:10 PM - 11:15 PM	48.9	52.6	48.3
11:15 PM - 11:20 PM	48.9	52.0	48.3
11:20 PM - 11:25 PM	49.1	52.0	48.4
11:25 PM - 11:30 PM	49.1	52.4	48.1
11:30 PM - 11:35 PM	49.1	56.4	48.0
11:35 PM - 11:40 PM	48.7	49.9	47.5
11:40 PM - 11:45 PM	47.3	49.6	46.3
11:45 PM - 11:50 PM	46.9	51.9	46.1
11:50 PM - 11:55 PM	46.7	48.6	45.8
11:55 PM - 12:00 AM	46.5	48.5	46.0
12:00 AM - 12:05 AM	46.7	49.4	45.9
12:05 AM - 12:10 AM	45.9	47.3	45.5
12:10 AM - 12:15 AM	46.0	50.1	45.1
12:15 AM - 12:20 AM	46.0	47.3	45.5
12:20 AM - 12:25 AM	46.1	47.9	45.4
12:25 AM - 12:30 AM	47.3	49.9	46.8
12:30 AM - 12:35 AM	47.0	48.5	46.0
12:35 AM - 12:40 AM	46.8	48.3	46.3
12:40 AM - 12:45 AM	46.8	48.6	46.2

This document is not valid for the analyzed noise sample(s) as indicated in this report. The data of this report is not valid for the analyzed noise sample(s) as indicated in this report. The data of this report is not valid for the analyzed noise sample(s) as indicated in this report. The data of this report is not valid for the analyzed noise sample(s) as indicated in this report.

Approved by

Witawat Borirak
Manager

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Life Sciences

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italbhai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RNLCD-03/66
Project Name : Laemchabang
Project Location :
Sample No. : 24110378-33
Parameter : Noise
Location : NS : วัดสุทธิวราราม (u. 2 วัดสุทธิวราราม) (GPS 47P 715611, 1441346) (Shut down)
Measurement Date : Oct 30 - 31, 2024
Measurement by : Santi Chachana
Sound Level Meter : 01122579

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163549-1

Page 2 of 3

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:45 AM - 12:50 AM	47.4	45.2	46.7
12:50 AM - 12:55 AM	46.9	48.8	46.3
12:55 AM - 01:00 AM	46.8	48.6	46.2
01:00 AM - 01:05 AM	47.0	49.5	46.2
01:05 AM - 01:10 AM	46.6	49.4	45.9
01:10 AM - 01:15 AM	47.0	50.8	46.0
01:15 AM - 01:20 AM	47.1	49.4	46.3
01:20 AM - 01:25 AM	47.1	49.9	46.2
01:25 AM - 01:30 AM	46.8	50.7	46.2
01:30 AM - 01:35 AM	46.8	49.4	46.1
01:35 AM - 01:40 AM	47.3	56.9	46.2
01:40 AM - 01:45 AM	47.4	52.7	46.6
01:45 AM - 01:50 AM	47.2	49.5	46.7
01:50 AM - 01:55 AM	47.3	52.6	46.8
01:55 AM - 02:00 AM	46.9	49.1	45.9
02:00 AM - 02:05 AM	47.2	52.0	45.9
02:05 AM - 02:10 AM	46.6	48.1	45.9
02:10 AM - 02:15 AM	46.3	47.7	45.7
02:15 AM - 02:20 AM	46.4	49.1	45.8
02:20 AM - 02:25 AM	46.8	48.7	46.1
02:25 AM - 02:30 AM	46.3	48.3	45.6
02:30 AM - 02:35 AM	47.7	59.7	46.0
02:35 AM - 02:40 AM	47.4	50.7	46.4
02:40 AM - 02:45 AM	47.1	49.3	46.6
02:45 AM - 02:50 AM	48.5	52.9	47.6
02:50 AM - 02:55 AM	48.7	56.7	47.6
02:55 AM - 03:00 AM	46.6	50.8	47.0
03:00 AM - 03:05 AM	47.2	51.2	47.5
03:05 AM - 03:10 AM	47.5	61.8	46.7
03:10 AM - 03:15 AM	47.4	53.3	46.4
03:15 AM - 03:20 AM	47.3	51.6	46.3
03:20 AM - 03:25 AM	46.8	50.4	45.9
03:25 AM - 03:30 AM	46.4	48.2	45.7
03:30 AM - 03:35 AM	47.1	51.7	46.1
03:35 AM - 03:40 AM	47.2	49.6	46.3
03:40 AM - 03:45 AM	47.0	49.1	46.3
03:45 AM - 03:50 AM	46.3	52.2	46.3
03:50 AM - 03:55 AM	48.1	51.5	46.8
03:55 AM - 04:00 AM	48.3	51.1	46.6
04:00 AM - 04:05 AM	48.3	54.3	47.1

This document is not valid for the analyzed noise sample(s) as indicated in this report. The data of this report is not valid for the analyzed noise sample(s) as indicated in this report. The data of this report is not valid for the analyzed noise sample(s) as indicated in this report. The data of this report is not valid for the analyzed noise sample(s) as indicated in this report.

Approved by

Witawat Borirak
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italbhai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RNLCD-03/66
Project Name : Laemchabang
Project Location :
Sample No. : 24110378-33
Parameter : Noise
Location : NS : วัดสุทธิวราราม (u. 2 วัดสุทธิวราราม) (GPS 47P 715611, 1441346) (Shut down)
Measurement Date : Oct 30 - 31, 2024
Measurement by : Santi Chachana
Sound Level Meter : 01122579

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163549-1

Page 3 of 3

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:05 AM - 04:10 AM	48.3	52.6	46.7
04:10 AM - 04:15 AM	48.3	52.1	47.0
04:15 AM - 04:20 AM	48.1	52.4	47.0
04:20 AM - 04:25 AM	48.2	50.6	47.1
04:25 AM - 04:30 AM	48.1	50.9	47.1
04:30 AM - 04:35 AM	47.9	51.1	47.0
04:35 AM - 04:40 AM	47.9	51.2	47.2
04:40 AM - 04:45 AM	48.3	52.1	47.3
04:45 AM - 04:50 AM	47.7	49.4	47.0
04:50 AM - 04:55 AM	47.9	49.6	47.0
04:55 AM - 05:00 AM	46.6	51.7	47.6
05:00 AM - 05:05 AM	46.2	52.3	48.4
05:05 AM - 05:10 AM	49.6	56.7	47.9
05:10 AM - 05:15 AM	49.3	54.6	47.9
05:15 AM - 05:20 AM	48.8	56.3	47.3
05:20 AM - 05:25 AM	49.6	55.8	48.0
05:25 AM - 05:30 AM	49.3	55.8	47.8
05:30 AM - 05:35 AM	49.9	56.4	47.9
05:35 AM - 05:40 AM	49.6	56.0	48.4
05:40 AM - 05:45 AM	50.1	59.9	48.5
05:45 AM - 05:50 AM	49.2	55.4	48.0
05:50 AM - 05:55 AM	48.9	52.5	47.8
05:55 AM - 06:00 AM	48.5	51.4	47.6
06:00 AM - 07:00 AM	49.3	72.8	45.5
07:00 AM - 08:00 AM	45.4	64.1	42.1
08:00 AM - 09:00 AM	45.3	71.6	38.4
09:00 AM - 10:00 AM	44.5	68.0	39.6
10:00 AM - 11:00 AM	48.4	77.2	37.1
11:00 AM - 12:00 PM	42.1	64.5	37.3
12:00 PM - 01:00 PM	42.8	71.0	35.3
01:00 PM - 02:00 PM	41.8	74.2	35.7
02:00 PM - 03:00 PM	41.1	62.0	37.3

Reference Method :
1. ISO 1996-1
2. คู่มือการตรวจวัดและประเมินค่าเสียงตามมาตรฐานของประเทศไทย พ.ศ. 2547

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italbhai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RNLCD-03/66
Project Name : Laemchabang
Project Location :
Sample No. : 24110378-34
Parameter : Noise
Location : NS : วัดสุทธิวราราม (u. 2 วัดสุทธิวราราม) (GPS 47P 715611, 1441346) (Shut down)
Measurement Date : Oct 31 - Nov 01, 2024
Measurement by : Santi Chachana
Sound Level Meter : 01122579

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163550-1

Page 1 of 3

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 PM - 04:00 PM	38.6	59.4	36.1
04:00 PM - 05:00 PM	42.3	71.0	36.2
05:00 PM - 06:00 PM	47.0	76.7	39.7
06:00 PM - 07:00 PM	46.0	64.2	40.0
07:00 PM - 08:00 PM	49.9	59.5	49.1
08:00 PM - 09:00 PM	49.8	58.9	49.3
09:00 PM - 10:00 PM	46.8	54.7	42.8
10:00 PM - 10:05 PM	47.9	54.5	47.2
10:05 PM - 10:10 PM	47.8	50.6	47.3
10:10 PM - 10:15 PM	48.1	49.3	47.8
10:15 PM - 10:20 PM	48.0	49.3	47.6
10:20 PM - 10:25 PM	48.3	51.1	47.5
10:25 PM - 10:30 PM	47.9	49.3	47.5
10:30 PM - 10:35 PM	48.3	60.0	47.5
10:35 PM - 10:40 PM	47.6	49.0	47.1
10:40 PM - 10:45 PM	47.6	49.5	46.9
10:45 PM - 10:50 PM	47.9	50.9	47.4
10:50 PM - 10:55 PM	47.7	48.7	47.3
10:55 PM - 11:00 PM	47.9	49.0	47.4
11:00 PM - 11:05 PM	47.9	49.1	47.4
11:05 PM - 11:10 PM	48.2	50.6	47.5
11:10 PM - 11:15 PM	47.6	51.5	46.8
11:15 PM - 11:20 PM	47.4	49.2	46.8
11:20 PM - 11:25 PM	48.0	49.7	47.5
11:25 PM - 11:30 PM	48.1	49.6	47.6
11:30 PM - 11:35 PM	47.8	49.2	47.1
11:35 PM - 11:40 PM	47.5	54.4	46.9
11:40 PM - 11:45 PM	47.6	54.1	46.7
11:45 PM - 11:50 PM	47.5	45.0	46.8
11:50 PM - 11:55 PM	47.8	47.2	47.3
11:55 PM - 12:00 AM	47.4	46.9	46.9
12:00 AM - 12:05 AM	47.5	46.8	46.8
12:05 AM - 12:10 AM	47.0	48.8	46.5
12:10 AM - 12:15 AM	47.9	51.6	46.2
12:15 AM - 12:20 AM	47.2	49.9	46.5
12:20 AM - 12:25 AM	47.3	50.0	46.7
12:25 AM - 12:30 AM	46.7	49.7	46.0
12:30 AM - 12:35 AM	46.6	48.7	46.0
12:35 AM - 12:40 AM	46.9	56.0	46.0
12:40 AM - 12:45 AM	46.8	51.1	46.1

This document is not valid for the analyzed noise sample(s) as indicated in this report. The data of this report is not valid for the analyzed noise sample(s) as indicated in this report. The data of this report is not valid for the analyzed noise sample(s) as indicated in this report.

Approved by

Witawat Borirak
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-031/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163550-1

Page 2 of 3

Sample No. : 24110378-34
Parameter : Noise
Location : NS : ห้างไนท์บาร์ (u. 2 ชั้นรวมแล้ว) (GPS 47P 715611, 1441346) (Shut down)
Measurement Date : Oct 31 - Nov 01, 2024
Measurement by : Santi Chalkhana
Sound Level Meter : 01122579

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
17:45 AM - 17:50 AM	47.1	55.5	46.1
17:50 AM - 17:55 AM	46.7	46.5	46.0
17:55 AM - 18:00 AM	47.0	46.5	46.3
01:00 AM - 01:05 AM	46.5	48.2	45.8
01:05 AM - 01:10 AM	46.4	46.8	45.7
01:10 AM - 01:15 AM	45.8	48.0	45.0
01:15 AM - 01:20 AM	46.2	47.9	45.5
01:20 AM - 01:25 AM	46.7	53.7	46.3
01:25 AM - 01:30 AM	45.6	49.0	44.8
01:30 AM - 01:35 AM	45.3	49.4	44.5
01:35 AM - 01:40 AM	45.4	51.2	44.8
01:40 AM - 01:45 AM	46.0	54.8	44.6
01:45 AM - 01:50 AM	45.1	46.7	44.6
01:50 AM - 01:55 AM	44.9	47.0	44.4
01:55 AM - 02:00 AM	46.2	52.2	44.0
02:00 AM - 02:05 AM	44.7	47.8	44.2
02:05 AM - 02:10 AM	44.8	51.1	44.3
02:10 AM - 02:15 AM	45.5	59.6	44.6
02:15 AM - 02:20 AM	44.5	48.5	43.7
02:20 AM - 02:25 AM	44.0	45.5	43.5
02:25 AM - 02:30 AM	44.9	47.9	44.2
02:30 AM - 02:35 AM	45.4	49.6	44.5
02:35 AM - 02:40 AM	45.7	49.2	43.9
02:40 AM - 02:45 AM	54.0	54.0	45.7
02:45 AM - 02:50 AM	49.8	49.8	45.0
02:50 AM - 02:55 AM	45.3	46.1	44.7
02:55 AM - 03:00 AM	45.5	47.7	44.8
03:00 AM - 03:05 AM	45.3	46.0	44.8
03:05 AM - 03:10 AM	46.0	48.2	45.1
03:10 AM - 03:15 AM	46.1	48.0	45.3
03:15 AM - 03:20 AM	45.9	46.0	45.1
03:20 AM - 03:25 AM	45.9	48.7	45.0
03:25 AM - 03:30 AM	45.6	47.6	44.8
03:30 AM - 03:35 AM	45.5	46.1	44.7
03:35 AM - 03:40 AM	45.6	47.5	44.9
03:40 AM - 03:45 AM	46.0	47.9	45.4
03:45 AM - 03:50 AM	46.2	46.4	45.6
03:50 AM - 03:55 AM	46.0	47.9	45.3
03:55 AM - 04:00 AM	46.6	50.8	45.8
04:00 AM - 04:05 AM	46.4	51.8	45.5

The above results are valid only for the stated test conditions as indicated in this report. No part of this report or certificate may be reproduced or any form without written consent from the laboratory. All rights are reserved. (Thailand) Nothing is guaranteed that the results will not be exceeded except as stated.

Approved by

Witawan Borirak
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-031/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163550-1

Page 1 of 3

Sample No. : 24110378-34
Parameter : Noise
Location : NS : ห้างไนท์บาร์ (u. 2 ชั้นรวมแล้ว) (GPS 47P 715611, 1441346) (Shut down)
Measurement Date : Oct 31 - Nov 01, 2024
Measurement by : Santi Chalkhana
Sound Level Meter : 01122579

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:05 AM - 04:10 AM	46.2	49.9	45.5
04:10 AM - 04:15 AM	46.8	52.3	45.9
04:15 AM - 04:20 AM	46.5	48.4	45.7
04:20 AM - 04:25 AM	46.5	50.1	45.7
04:25 AM - 04:30 AM	47.4	52.2	46.3
04:30 AM - 04:35 AM	46.9	58.2	47.6
04:35 AM - 04:40 AM	46.3	50.3	47.5
04:40 AM - 04:45 AM	46.2	50.2	47.4
04:45 AM - 04:50 AM	46.7	54.1	47.7
04:50 AM - 04:55 AM	46.0	49.4	47.1
04:55 AM - 05:00 AM	47.7	50.1	47.1
05:00 AM - 05:05 AM	47.6	49.5	46.9
05:05 AM - 05:10 AM	47.7	51.2	47.0
05:10 AM - 05:15 AM	46.1	50.1	47.5
05:15 AM - 05:20 AM	47.7	49.2	47.1
05:20 AM - 05:25 AM	46.5	56.7	47.5
05:25 AM - 05:30 AM	49.2	58.4	47.1
05:30 AM - 05:35 AM	46.3	55.1	47.3
05:35 AM - 05:40 AM	46.8	55.9	47.8
05:40 AM - 05:45 AM	46.7	56.7	48.3
05:45 AM - 05:50 AM	46.9	56.4	46.9
05:50 AM - 05:55 AM	47.5	55.6	46.2
05:55 AM - 06:00 AM	46.8	51.4	46.0
06:00 AM - 07:00 AM	46.9	70.4	47.4
07:00 AM - 08:00 AM	45.6	59.6	43.5
08:00 AM - 09:00 AM	41.5	56.8	38.5
09:00 AM - 10:00 AM	41.2	53.7	38.7
10:00 AM - 11:00 AM	41.4	56.5	37.9
11:00 AM - 12:00 PM	39.2	54.2	36.3
12:00 PM - 01:00 PM	39.4	64.3	35.4
01:00 PM - 02:00 PM	39.9	64.9	38.0
02:00 PM - 03:00 PM	38.6	56.8	36.3

Reference Method :

- ISO 1996-1
- ใช้มาตรฐานการวัดเสียงตาม (ใช้มาตรฐานการวัดเสียงตามมาตรฐาน 24 ชั่วโมง และระดับเสียงสูงสุดที่วัดได้ภายในระยะเวลา 24 ชั่วโมง)

Approved by

Witawan Borirak
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-031/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163551-1

Page 1 of 3

Sample No. : 24110378-35
Parameter : Noise
Location : NS : ห้างไนท์บาร์ (u. 2 ชั้นรวมแล้ว) (GPS 47P 715611, 1441346) (Shut down)
Measurement Date : Nov 01 - 02, 2024
Measurement by : Santi Chalkhana
Sound Level Meter : 01122579

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 PM - 04:00 PM	44.8	73.5	39.2
04:00 PM - 05:00 PM	45.5	67.0	41.3
05:00 PM - 06:00 PM	46.4	44.5	41.5
06:00 PM - 07:00 PM	50.0	72.0	48.2
07:00 PM - 08:00 PM	50.0	56.6	41.4
08:00 PM - 09:00 PM	49.8	56.5	41.2
09:00 PM - 10:00 PM	46.5	55.6	41.2
10:00 PM - 10:05 PM	4.4	46.0	46.8
10:05 PM - 10:10 PM	46.6	51.0	47.7
10:10 PM - 10:15 PM	46.9	51.1	47.9
10:15 PM - 10:20 PM	4.4	46.1	46.8
10:20 PM - 10:25 PM	42.2	46.7	46.8
10:25 PM - 10:30 PM	43.0	46.7	46.7
10:30 PM - 10:35 PM	42.4	46.9	46.8
10:35 PM - 10:40 PM	42.4	46.5	47.0
10:40 PM - 10:45 PM	42.7	46.0	47.3
10:45 PM - 10:50 PM	46.2	52.1	47.5
10:50 PM - 10:55 PM	46.3	51.6	47.7
10:55 PM - 11:00 PM	46.3	52.6	47.6
11:00 PM - 11:05 PM	46.4	55.3	47.4
11:05 PM - 11:10 PM	46.3	54.8	46.4
11:10 PM - 11:15 PM	49.1	51.4	46.4
11:15 PM - 11:20 PM	49.6	51.5	49.0
11:20 PM - 11:25 PM	50.0	52.6	49.2
11:25 PM - 11:30 PM	49.3	51.1	46.7
11:30 PM - 11:35 PM	49.5	52.6	46.8
11:35 PM - 11:40 PM	49.3	52.3	46.4
11:40 PM - 11:45 PM	49.9	52.2	46.2
11:45 PM - 11:50 PM	46.0	49.8	47.3
11:50 PM - 11:55 PM	46.0	49.6	47.4
11:55 PM - 12:00 AM	47.9	50.4	47.3
12:00 AM - 12:05 AM	48.3	51.3	47.6
12:05 AM - 12:10 AM	49.9	52.1	47.5
12:10 AM - 12:15 AM	49.2	55.5	44.1
12:15 AM - 12:20 AM	47.5	53.3	46.5
12:20 AM - 12:25 AM	46.8	49.8	46.8
12:25 AM - 12:30 AM	46.6	46.8	46.0
12:30 AM - 12:35 AM	47.1	46.9	46.3
12:35 AM - 12:40 AM	49.0	46.3	46.3
12:40 AM - 12:45 AM	47.7	51.5	46.0

The above results are valid only for the stated test conditions as indicated in this report. No part of this report or certificate may be reproduced or any form without written consent from the laboratory. All rights are reserved. (Thailand) Nothing is guaranteed that the results will not be exceeded except as stated.

Approved by

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italbhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-031/66
Project Name : Laemchabang
Project Location :

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163551-1

Page 2 of 3

Sample No. : 24110378-35
Parameter : Noise
Location : NS : ห้างไนท์บาร์ (u. 2 ชั้นรวมแล้ว) (GPS 47P 715611, 1441346) (Shut down)
Measurement Date : Nov 01 - 02, 2024
Measurement by : Santi Chalkhana
Sound Level Meter : 01122579

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:45 AM - 12:50 AM	46.2	48.7	46.2
12:50 AM - 12:55 AM	47.3	56.0	46.0
12:55 AM - 01:00 AM	48.0	61.5	47.0
01:00 AM - 01:05 AM	51.5	51.7	46.9
01:05 AM - 01:10 AM	46.9	59.9	47.0
01:10 AM - 01:15 AM	49.6	61.2	46.9
01:15 AM - 01:20 AM	46.2	53.0	47.5
01:20 AM - 01:25 AM	47.5	52.6	47.0
01:25 AM - 01:30 AM	47.3	46.9	46.8
01:30 AM - 01:35 AM	47.3	52.0	46.8
01:35 AM - 01:40 AM	46.9	46.9	46.2
01:40 AM - 01:45 AM	46.9	46.7	46.4
01:45 AM - 01:50 AM	46.9	46.7	46.3
01:50 AM - 01:55 AM	45.9	46.3	45.3
01:55 AM - 02:00 AM	47.6	51.0	46.2
02:00 AM - 02:05 AM	47.6	50.6	46.2
02:05 AM - 02:10 AM	46.9	46.9	46.2
02:10 AM - 02:15 AM	49.3	53.8	46.3
02:15 AM - 02:20 AM	59.0	60.3	57.4
02:20 AM - 02:25 AM	58.8	59.8	58.1
02:25 AM - 02:30 AM	57.0	56.5	55.5
02:30 AM - 02:35 AM	53.6	55.9	46.7
02:35 AM - 02:40 AM	48.1	52.9	46.7
02:40 AM - 02:45 AM	50.7	56.7	46.2
02:45 AM - 02:50 AM	46.6	49.1	45.8
02:50 AM - 02:55 AM	46.1	46.3	45.4
02:55 AM - 03:00 AM	47.4	55.3	46.1
03:00 AM - 03:05 AM	44.1	46.0	45.4
03:05 AM - 03:10 AM	46.3	51.7	45.5
03:10 AM - 03:15 AM	47.1	51.8	45.9
03:15 AM - 03:20 AM	46.6	50.3	45.7
03:20 AM - 03:25 AM	46.0	51.4	45.2
03:25 AM - 03:30 AM	46.0	51.7	46.3
03:30 AM - 03:35 AM	47.6	65.6	46.2
03:35 AM - 03:40 AM	46.0	48.3	46.3
03:40 AM - 03:45 AM	47.0	50.6	45.1
03:45 AM - 03:50 AM	46.6	51.1	45.5
03:50 AM - 03:55 AM	47.4	53.9	46.1
03:55 AM - 04:00 AM	46.9	55.7	45.5
04:00 AM - 04:05 AM	47.3	58.6	45.5

The above results are valid only for the stated test conditions as indicated in this report. No part of this report or certificate may be reproduced or any form without written consent from the laboratory. All rights are reserved. (Thailand) Nothing is guaranteed that the results will not be exceeded except as stated.

Approved by

Witawan Borirak
Manager

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RWA-CB-033/06
Project Name : Laemchabang
Project Location :

Lot ID: 24110378
Date Received : Nov 06, 2024
Date Reported : Nov 15, 2024
Report No. : 3163551-1

Page 3 of 3

Sample No. : 24110378-35
Parameter : Noise
Location : N5 : ซอยอินทรี (u. 2 ซอยอินทรี) (GPS 47P 715611, 1411346) (Shut down)
Measurement Date : Nov 01 - 02, 2024
Measurement by : Santi Chakchana
Sound Level Meter : 01122579

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:05 AM - 04:10 AM	46.5	43.5	45.1
04:10 AM - 04:15 AM	45.9	50.8	45.0
04:15 AM - 04:20 AM	46.8	55.2	45.4
04:20 AM - 04:25 AM	46.8	56.0	45.2
04:25 AM - 04:30 AM	46.1	48.8	45.5
04:30 AM - 04:35 AM	46.1	48.2	45.4
04:35 AM - 04:40 AM	46.4	49.9	45.6
04:40 AM - 04:45 AM	46.4	50.2	45.6
04:45 AM - 04:50 AM	46.4	48.5	45.8
04:50 AM - 04:55 AM	46.5	50.6	45.7
04:55 AM - 05:00 AM	46.6	50.5	45.8
05:00 AM - 05:05 AM	46.5	52.6	46.2
05:05 AM - 05:10 AM	48.1	57.6	46.4
05:10 AM - 05:15 AM	47.8	55.1	47.0
05:15 AM - 05:20 AM	48.0	54.5	47.1
05:20 AM - 05:25 AM	47.8	52.4	47.2
05:25 AM - 05:30 AM	47.5	50.6	47.0
05:30 AM - 05:35 AM	48.2	56.3	47.0
05:35 AM - 05:40 AM	48.5	55.8	47.3
05:40 AM - 05:45 AM	49.4	63.7	47.6
05:45 AM - 05:50 AM	48.8	55.9	47.8
05:50 AM - 05:55 AM	47.8	51.2	47.1
05:55 AM - 06:00 AM	47.4	51.8	46.7
06:00 AM - 07:00 AM	47.7	66.4	46.3
07:00 AM - 08:00 AM	46.9	66.5	45.1
08:00 AM - 09:00 AM	51.2	72.3	47.3
09:00 AM - 10:00 AM	48.8	71.0	46.5
10:00 AM - 11:00 AM	48.4	77.4	45.3
11:00 AM - 12:00 PM	54.7	82.9	48.0
12:00 PM - 01:00 PM	42.5	69.0	36.2
01:00 PM - 02:00 PM	47.9	68.1	37.1
02:00 PM - 03:00 PM	39.8	59.1	37.0

Reference Method :

- ISO 1996-1
- ประกาศกระทรวงมหาดไทย เรื่อง วิธีการวัดและประเมินค่าระดับเสียงจากชุมชน พ.ศ. 2549 และที่แก้ไขเพิ่มเติม (ฉบับที่ 2) พ.ศ. 2567

The above results are subject to the standard test method (ISO 1996-1) and are not to be used for legal purposes. The results are subject to the accuracy of the equipment used and the skill of the operator. The results are not to be used for legal purposes.

Approved by

Wilewan Borisak
Manager

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ภาคผนวก ค-3

ผลการตรวจวิเคราะห์คุณภาพน้ำผิวดิน



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towe, New Petchburi Road, Bangkok, Huaykwang,
Bangkok Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :



TESTING
No.0042
Lot ID: 24125711
Date Received : Nov 14, 2024
Date Reported : Nov 21, 2024
Report Number : 3153571-1

Page 1 of 15

Sample Number	24125711-1							
Sampled Date	Nov 14, 2024 11:39 AM							
Sample Description	Surface Water							
Location	SW1 : บริเวณบึงบริเวณต้นน้ำเมื่อเทียบกับจุดปล่อยน้ำทิ้งของโครงการประมาณ 1,320 เมตร							
Date Analysis Commenced	Nov 14, 2024							
Condition of Sample	Contained in two BOD bottles, two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
^[A] Aluminium	mg/L	0.003	0.005	0.10	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
^[A] Arsenic	mg/L	0.0003	0.0005	0.007	≤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] 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] Iron	mg/L	0.003	0.005	1.37	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
^[A] Lead	mg/L	0.0003	0.0005	0.0009	≤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	1.03	≤1	≤1	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report 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

Photchana S.

Photchana Seeda
Scientist (4)

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towe, New Petchburi Road, Bangkok, Huaykwang,
Bangkok Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :



TESTING
No.0042
Lot ID: 24125711
Date Received : Nov 14, 2024
Date Reported : Nov 21, 2024
Report Number : 3153571-1

Page 2 of 15

Sample Number	24125711-1							
Sampled Date	Nov 14, 2024 11:39 AM							
Sample Description	Surface Water							
Location	SW1 : บริเวณทางบริเวณต้นน้ำเมื่อเทียบกับจุดปล่อยน้ำทิ้งของโครงการประมาณ 1,320 เมตร							
Date Analysis Commenced	Nov 14, 2024							
Condition of Sample	Contained in two BOD bottles, two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
^(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
^(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	0.02	≤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	-	-	2400.0	≤4000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Bangkok
Water Testing								
Ammonia Nitrogen *	mg/L	0.02	0.05	0.41	≤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 (5 days at 20 Degree C) *	mg/L	-	2.0	2.9	≤2	≤4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	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. No part of this report 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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Photchana Seeda
Scientist (4)

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towre, New Petchburi Road, Bangkapi, Huaykwang,
Bangkok Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :



TESTING
No.0042
Lot ID: 24125711
Date Received : Nov 14, 2024
Date Reported : Nov 21, 2024
Report Number : 3153571-1

Page 3 of 15

Sample Number	24125711-1							
Sampled Date	Nov 14, 2024 11:39 AM							
Sample Description	Surface Water							
Location	SW1 : ปริมาณน้ำฝนที่เพิ่มขึ้นจากจุดปล่อยน้ำทิ้งของโครงการประมาณ 1,320 เมตร							
Date Analysis Commenced	Nov 14, 2024							
Condition of Sample	Contained in two BOD bottles, two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Dissolved Oxygen *	mg/L	-	0.1	4.4	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	0.033	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	0.49	≤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		-	-	7.5	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
Temperature *	Degree C	-	-	28.4	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	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 : Surawit Narapong

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

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report 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

Photchana S.

Photchana Seeda
Scientist (4)

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towre, New Petchburi Road, Bangkapi, Huaykwang,
Bangkok Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :



TESTING
No.0042
Lot ID: 24125711
Date Received : Nov 14, 2024
Date Reported : Nov 21, 2024
Report Number : 3153571-1

Page 4 of 15

Sample Number	24125711-2							
Sampled Date	Nov 14, 2024 11:09 AM							
Sample Description	Surface Water							
Location	SW2 : ปริมาณน้ำฝนที่เพิ่มขึ้นจากจุดปล่อยน้ำทิ้งของโครงการ							
Date Analysis Commenced	Nov 14, 2024							
Condition of Sample	Contained in two BOD bottles, two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
^(A) Aluminium	mg/L	0.003	0.005	0.08	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
^(A) Arsenic	mg/L	0.0003	0.0005	0.006	≤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) Copper	mg/L	0.0003	0.0005	0.0007	≤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) Iron	mg/L	0.003	0.005	1.15	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	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	0.55	≤1	≤1	Standard 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 : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towe, New Petchburi Road, Bangkok, Huaykwang,
Bangkok Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :



TESTING
No.0042
Lot ID: 24125711
Date Received : Nov 14, 2024
Date Reported : Nov 21, 2024
Report Number : 3153571-1

Page 5 of 15

Sample Number	24125711-2							
Sampled Date	Nov 14, 2024 11:09 AM							
Sample Description	Surface Water							
Location	SW2 : บริเวณบ่อบำบัดน้ำทิ้งของโครงการ							
Date Analysis Commenced	Nov 14, 2024							
Condition of Sample	Contained in two BOD bottles, two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
^(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
^(A) Nickel	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) 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	-	-	49000.0	≤4000	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Bangkok
Water Testing								
Ammonia Nitrogen *	mg/L	0.02	0.05	0.25	≤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 (5 days at 20 Degree C) *	mg/L	-	2.0	<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 G	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

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towe, New Petchburi Road, Bangkok, Huaykwang,
Bangkok Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :



TESTING
No.0042
Lot ID: 24125711
Date Received : Nov 14, 2024
Date Reported : Nov 21, 2024
Report Number : 3153571-1

Page 6 of 15

Sample Number	24125711-2							
Sampled Date	Nov 14, 2024 11:09 AM							
Sample Description	Surface Water							
Location	SW2 : บริเวณบ่อบำบัดน้ำทิ้งของโครงการ							
Date Analysis Commenced	Nov 14, 2024							
Condition of Sample	Contained in two BOD bottles, two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Dissolved Oxygen *	mg/L	-	0.1	5.3	≥4	≥2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	0.015	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	0.83	≤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		-	-	7.5	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
Temperature *	Degree C	-	-	27.3	(c)	(c)	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	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 : Surawit Narapong								
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. * The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.								

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towre, New Petchburi Road, Bangkapi, Huaykwang,
Bangkok Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :



TESTING
No.0042
Lot ID: 24125711
Date Received : Nov 14, 2024
Date Reported : Nov 21, 2024
Report Number : 3153571-1

Page 7 of 15

Sample Number 24125711-3
Sampled Date Nov 14, 2024 10:42 AM
Sample Description Surface Water
Location SW3 : บริเวณสวนบริเวณหน้าห้องเก็บของกับจุดปล่อยน้ำทิ้งของโครงการประมาณ 675 เมตร
Date Analysis Commenced Nov 14, 2024
Condition of Sample Contained in two BOD bottles, two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
^[A] Aluminium	mg/L	0.003	0.005	0.03	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
^[A] Arsenic	mg/L	0.0003	0.0005	0.004	≤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] Copper	mg/L	0.0003	0.0005	<0.0005	≤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] Iron	mg/L	0.003	0.005	0.45	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	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	0.59	≤1	≤1	Standard 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 : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towre, New Petchburi Road, Bangkapi, Huaykwang,
Bangkok Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :



TESTING
No.0042
Lot ID: 24125711
Date Received : Nov 14, 2024
Date Reported : Nov 21, 2024
Report Number : 3153571-1

Page 8 of 15

Sample Number 24125711-3
Sampled Date Nov 14, 2024 10:42 AM
Sample Description Surface Water
Location SW3 : บริเวณสวนบริเวณหน้าห้องเก็บของกับจุดปล่อยน้ำทิ้งของโครงการประมาณ 675 เมตร
Date Analysis Commenced Nov 14, 2024
Condition of Sample Contained in two BOD bottles, two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
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
^[A] Nickel	mg/L	0.0003	0.0005	0.0007	≤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	-	-	1300.0	≤4000	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Bangkok
Water Testing								
Ammonia Nitrogen *	mg/L	0.02	0.05	0.14	≤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 (5 days at 20 Degree C) *	mg/L	-	2.0	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 G	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

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Analysis / Test Report

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Bangkok Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :



TESTING
No.0042
Lot ID: 24125711
Date Received : Nov 14, 2024
Date Reported : Nov 21, 2024
Report Number : 3153571-1

Page 9 of 15

Sample Number	24125711-3							
Sampled Date	Nov 14, 2024 10:42 AM							
Sample Description	Surface Water							
Location	SW3 : หน่วยบำบัดน้ำเสียเพื่อเพิ่มปริมาณน้ำทิ้งของโครงการประมาณ 675 เมตร							
Date Analysis Commenced	Nov 14, 2024							
Condition of Sample	Contained in two BOD bottles, two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Dissolved Oxygen *	mg/L	-	0.1	3.4	≥4	≥2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	0.016	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	0.24	≤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
Temperature *	Degree C	-	-	27.6	(c)	(c)	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	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 : Surawit Narapong

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

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Analysis / Test Report

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Bangkok Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :



TESTING
No.0042
Lot ID: 24125711
Date Received : Nov 14, 2024
Date Reported : Nov 21, 2024
Report Number : 3153571-1

Page 10 of 15

Sample Number	24125711-4							
Sampled Date	Nov 14, 2024 9:31 AM							
Sample Description	Surface Water							
Location	SW4 : หน่วยบำบัดน้ำเสียเพื่อเพิ่มปริมาณน้ำทิ้งของโครงการประมาณ 680 เมตร							
Date Analysis Commenced	Nov 14, 2024							
Condition of Sample	Contained in two BOD bottles, two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
(A) Aluminium	mg/L	0.003	0.005	0.04	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
(A) Arsenic	mg/L	0.0003	0.0005	0.008	≤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) Copper	mg/L	0.0003	0.0005	Not Detected	≤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) Iron	mg/L	0.003	0.005	0.91	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	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	0.67	≤1	≤1	Standard 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 : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towre, New Petchburi Road, Bangkok, Huaykwang,
Bangkok Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :



TESTING
No.0042
Lot ID: 24125711
Date Received : Nov 14, 2024
Date Reported : Nov 21, 2024
Report Number : 3153571-1

Page 11 of 15



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towre, New Petchburi Road, Bangkok, Huaykwang,
Bangkok Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :



TESTING
No.0042
Lot ID: 24125711
Date Received : Nov 14, 2024
Date Reported : Nov 21, 2024
Report Number : 3153571-1

Page 12 of 15

Sample Number	24125711-4							
Sampled Date	Nov 14, 2024 9:31 AM							
Sample Description	Surface Water							
Location	SW4 : หน่วยวัดมลพิษบริเวณถนนน้ำเมื่อเทียบกับที่ตั้งโครงการประมาณ 680 เมตร							
Date Analysis Commenced	Nov 14, 2024							
Condition of Sample	Contained in two BOD bottles, two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Dissolved Oxygen *	mg/L	-	0.1	8.1	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	0.035	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	0.21	≤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
Temperature *	Degree C	-	-	27.4	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	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 : Surawit Narapong

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

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Approved by

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towee, New Petchburi Road, Bangkok, Huaykwang,
Bangkok Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :



TESTING
No.0042
Lot ID: 24125711
Date Received : Nov 14, 2024
Date Reported : Nov 21, 2024
Report Number : 3153571-1

Page 13 of 15

Sample Number	24125711-5							
Sampled Date	Nov 14, 2024 10:10 AM							
Sample Description	Surface Water							
Location	SW5 : หน่วยงานบริเวณหน้าแม่น้ำเมื่อเทียบกับที่ตั้งโครงการประมาณ 400 เมตร							
Date Analysis Commenced	Nov 14, 2024							
Condition of Sample	Contained in two BOD bottles, two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
^[A] Aluminium	mg/L	0.003	0.005	0.04	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
^[A] Arsenic	mg/L	0.0003	0.0005	0.006	≤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] Copper	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] 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] Iron	mg/L	0.003	0.005	0.86	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	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	0.73	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

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Approved by

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towee, New Petchburi Road, Bangkok, Huaykwang,
Bangkok Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :



TESTING
No.0042
Lot ID: 24125711
Date Received : Nov 14, 2024
Date Reported : Nov 21, 2024
Report Number : 3153571-1

Page 14 of 15

Sample Number	24125711-5							
Sampled Date	Nov 14, 2024 10:10 AM							
Sample Description	Surface Water							
Location	SW5 : หน่วยงานบริเวณหน้าแม่น้ำเมื่อเทียบกับที่ตั้งโครงการประมาณ 400 เมตร							
Date Analysis Commenced	Nov 14, 2024							
Condition of Sample	Contained in two BOD bottles, two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
^[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
^[A] Nickel	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] Zinc	mg/L	0.003	0.005	<0.005	≤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	-	-	3300.0	≤4000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Bangkok
Water Testing								
Ammonia Nitrogen *	mg/L	0.02	0.05	0.17	≤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 (5 days at 20 Degree C) *	mg/L	-	2.0	<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 G	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. No part of this report 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 : Rojana Industrial Park Public Co., Ltd.

2034/115 26TH Fl. Italthai Towee, New Petchburi Road, Bangkapi, Huaykwang,
Bangkok Thailand 10310

P/O : RJN-LCB-033/66

Project Name : Laemchabang

Project Location :



TESTING

No.0042

Lot ID: 24125711

Date Received : Nov 14, 2024

Date Reported : Nov 21, 2024

Report Number : 3153571-1

Page 15 of 15

Sample Number	24125711-5						
Sampled Date	Nov 14, 2024 10:10 AM						
Sample Description	Surface Water						
Location	SW5 : หน่วยควบคุมบริเวณท้ายน้ำเมื่อเห็นเมฆน้ำที่ฝั่งโครงการประมาณ 400 เมตร						
Date Analysis Commenced	Nov 14, 2024						
Condition of Sample	Contained in two BOD bottles, two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Dissolved Oxygen *	mg/L	-	0.1	7.1	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	0.101	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	0.30	≤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		-	-	7.8	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
Temperature *	Degree C	-	-	27.6	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	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 : Surawit Narapong

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

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ภาคผนวก ค-4

ผลการตรวจวิเคราะห์คุณภาพน้ำทิ้ง

บ่อปรับสมดุลน้ำเสีย (Influent WWT)



Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310

P/O :
Project Name : โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง
Project Location : WWTP



TESTING
No.0042

Lot ID: 2470861
Date Received : Jul 01, 2024
Date Reported : Jul 08, 2024
Report Number : 3048779-1

Page 1 of 2

Sample Number	2470861-1						
Sampled Date	Jul 01, 2024 2:25 PM						
Sample Description	Wastewater						
Location	Influent WWT						
Date Analysis Commenced	Jul 01, 2024						
Condition of Sample	Contained in two BOD bottles, one amber glass bottle, two glass vials and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
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	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	53	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	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, 23rd ed., 2017, 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
pH at 25 degree C		-	-	8.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Phenol	mg/L	0.005	0.01	<0.01	≤1	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Rayong
Sulfide *	mg/L	-	0.5	<0.5	≤1.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-S2 (C, F)	Rayong

Technical Management

Photchana S.

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-ก-9446

Approved by

Dej Changchon

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ก-9442

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Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310

P/O :
Project Name : โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง
Project Location : WWTP



TESTING
No.0042

Lot ID: 2470861
Date Received : Jul 01, 2024
Date Reported : Jul 08, 2024
Report Number : 3048779-1

Page 2 of 2

Sample Number	2470861-1						
Sampled Date	Jul 01, 2024 2:25 PM						
Sample Description	Wastewater						
Location	Influent WWT						
Date Analysis Commenced	Jul 01, 2024						
Condition of Sample	Contained in two BOD bottles, one amber glass bottle, two glass vials and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Temperature *	Degree C	-	-	35.2	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	256	≤3000	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	9.5	≤100	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	20	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.

Sampling By : Narunat thamasaro ทะเบียนเลขที่ ว-323-ก-9477 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-ก-0002

Remark :

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

Technical Management

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Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-ก-9446

Approved by

Dej Changchon

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ก-9442

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Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok Thailand 10310

P/O :

Project Name : โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง

Project Location : WWTP



TESTING
No.0009

Lot ID: 2470861

Date Received : Jul 01, 2024

Date Reported : Jul 08, 2024

Report Number : 3048779-2

Page 1 of 2

Sample Number	2470861-1						
Sampled Date	Jul 01, 2024 2:25 PM						
Sample Description	Wastewater						
Location	Influent WWT						
Date Analysis Commenced	Jul 02, 2024						
Condition of Sample	Contained in two BOD bottles, one amber glass bottle, two glass vials and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminium	mg/L	0.003	0.005	0.05	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Arsenic	mg/L	0.0003	0.0005	0.004	≤0.25	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, 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, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.0009	≤2.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, 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, 23rd ed., 2017, 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, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.42	≤5.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3112	Bangkok

Technical Management

Sawitree N.
Sawitree Noisangiam
Manager
ทะเบียนเลขที่ ๖-204-๖-0007

Approved by

Kanokkorn Anek
Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ ๖-204-๖-0004

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Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok Thailand 10310

P/O :

Project Name : โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง

Project Location : WWTP



TESTING
No.0009

Lot ID: 2470861

Date Received : Jul 01, 2024

Date Reported : Jul 08, 2024

Report Number : 3048779-2

Page 2 of 2

Sample Number	2470861-1						
Sampled Date	Jul 01, 2024 2:25 PM						
Sample Description	Wastewater						
Location	Influent WWT						
Date Analysis Commenced	Jul 02, 2024						
Condition of Sample	Contained in two BOD bottles, one amber glass bottle, two glass vials and eight plastic bottles, 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	0.003	≤1.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, 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, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing							
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.

Sampling By : Narunat thammassaro ทะเบียนเลขที่ ๖-323-๖-9477 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ๖-204-๖-0002

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Sawitree N.
Sawitree Noisangiam
Manager
ทะเบียนเลขที่ ๖-204-๖-0007

Approved by

Kanokkorn Anek
Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ ๖-204-๖-0004

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Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310

P/O :

Project Name : โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง

Project Location : WWTP



TESTING
No.0009

Lot ID: 2470861

Date Received : Jul 01, 2024

Date Reported : Jul 08, 2024

Report Number : 3048779-3

Page 1 of 2

Sample Number	2470861-1						
Sampled Date	Jul 01, 2024 2:25 PM						
Sample Description	Wastewater						
Location	Influent WWT						
Date Analysis Commenced	Jul 01, 2024						
Condition of Sample	Contained in two BOD bottles, one amber glass bottle, two glass vials and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Iron	mg/L	0.003	0.005	0.34	≤10.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, 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, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing							
Chloride as Cl *	mg/L	0.5	1	82	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (D)	Rayong
Conductivity at 25 Degree C *	micromhos/cm	-	0.5	721	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Rayong
Dissolved Oxygen *	mg/L	-	0.1	6.4	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong
Flow rate *	m ³ /s	-	-	0.001	No Standard	Flow meter	Rayong
Fluoride as F *	mg/L	0.06	0.2	<0.2	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-F (D)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage Into central wastewater treatment systems in Industrial Estates.

Sampling W : Narunat thammassaro , Pattarapol Sawangjaitam

Remark :

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Approved by

Savitree N.

Savitree Nolsangiam
Manager

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Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
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Thailand 10310

P/O :

Project Name : โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง

Project Location : WWTP



TESTING
No.0009

Lot ID: 2470861

Date Received : Jul 01, 2024

Date Reported : Jul 08, 2024

Report Number : 3048779-3

Page 2 of 2

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

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage Into central wastewater treatment systems in Industrial Estates.

Sampling W : Narunat thammassaro , Pattarapol Sawangjaitam

Remark :

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Savitree N.

Savitree Nolsangiam
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Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310

P/O :
Project Name : โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง
Project Location : WWTP



TESTING
No.0042

Lot ID: 2486573
Date Received : Aug 02, 2024
Date Reported : Aug 09, 2024
Report Number : 3078771-1

Page 1 of 2

Sample Number	2486573-1						
Sampled Date	Aug 02, 2024 2:09 PM						
Sample Description	Wastewater						
Location	Influent WWT						
Date Analysis Commenced	Aug 02, 2024						
Condition of Sample	Contained in two glass vials, one amber glass bottle, two BOD bottles and eight plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	10.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	59	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	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, 23rd ed., 2017, 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
pH at 25 degree C	-	-	-	8.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Phenol	mg/L	0.005	0.01	<0.010	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Rayong
Sulfide *	mg/L	-	0.5	<0.5	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-S2 (C, F)	Rayong

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)
ทะเบียนเลขที่ 7-323-ก-9449

Approved by

D. Chuan

Dej Changchon
Senior Manager
ทะเบียนเลขที่ 7-323-ก-9442

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Analysis / Test Report

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2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310

P/O :
Project Name : โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง
Project Location : WWTP



TESTING
No.0042

Lot ID: 2486573
Date Received : Aug 02, 2024
Date Reported : Aug 09, 2024
Report Number : 3078771-1

Page 2 of 2

Sample Number	2486573-1						
Sampled Date	Aug 02, 2024 2:09 PM						
Sample Description	Wastewater						
Location	Influent WWT						
Date Analysis Commenced	Aug 02, 2024						
Condition of Sample	Contained in two glass vials, one amber glass bottle, two BOD bottles and eight plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Temperature *	Degree C	-	-	32.7	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	296	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	9.4	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	17	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.

Sampling By : Chainusorn Lertnathakulchai ทะเบียนเลขที่ 7-323-ก-9461

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Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)
ทะเบียนเลขที่ 7-323-ก-9449

Approved by

D. Chuan

Dej Changchon
Senior Manager
ทะเบียนเลขที่ 7-323-ก-9442

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Analysis / Test Report

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Thailand 10310

P/O :
Project Name : โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง
Project Location : WWTP



TESTING
No.0009

Lot ID: 2486573
Date Received : Aug 02, 2024
Date Reported : Aug 09, 2024
Report Number : 3078771-2

Page 1 of 2

Sample Number	2486573-1
Sampled Date	Aug 02, 2024 2:09 PM
Sample Description	Wastewater
Location	Influent WWT
Date Analysis Commenced	Aug 05, 2024
Condition of Sample	Contained in two glass vials, one amber glass bottle, two BOD bottles and eight plastic bottle, 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	0.004	≤0.25	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, 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, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.0006	≤2.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, 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, 23rd ed., 2017, 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, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.53	≤5.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Mercury *	mg/L	0.0001	0.0005	<0.0005	≤0.005	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3112	Bangkok
Nickel	mg/L	0.0003	0.0005	0.001	≤1.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Technical Management

Chanatt L.

Chanattagarn Imchom
Section Head
ทะเบียนเลขที่ 2-204-ก-0008

Approved by

Kanokorn Anek

Kanokorn Anek
Assistant General Manager
ทะเบียนเลขที่ 2-204-ก-0004

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Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
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Thailand 10310

P/O :
Project Name : โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง
Project Location : WWTP



TESTING
No.0009

Lot ID: 2486573
Date Received : Aug 02, 2024
Date Reported : Aug 09, 2024
Report Number : 3078771-2

Page 2 of 2

Sample Number	2486573-1
Sampled Date	Aug 02, 2024 2:09 PM
Sample Description	Wastewater
Location	Influent WWT
Date Analysis Commenced	Aug 05, 2024
Condition of Sample	Contained in two glass vials, one amber glass bottle, two BOD bottles and eight plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Zinc	mg/L	0.003	0.005	0.02	≤5.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing							
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.

Sampling By : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ 2-323-ก-9461 , Samart Khumplee ทะเบียนเลขที่ 2-204-ก-0084

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Chanatt L.

Chanattagarn Imchom
Section Head
ทะเบียนเลขที่ 2-204-ก-0008

Approved by

Kanokorn Anek

Kanokorn Anek
Assistant General Manager
ทะเบียนเลขที่ 2-204-ก-0004

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Analysis / Test Report

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Thailand 10310

P/O :

Project Name : โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง

Project Location : WWTP



TESTING
No.0009

Lot ID: 2486573

Date Received : Aug 02, 2024

Date Reported : Aug 09, 2024

Report Number : 3078771-3

Page 1 of 2

Sample Number	2486573-1						
Sampled Date	Aug 02, 2024 2:09 PM						
Sample Description	Wastewater						
Location	Influent WWT						
Date Analysis Commenced	Aug 02, 2024						
Condition of Sample	Contained in two glass vials, one amber glass bottle, two BOD bottles and eight plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminum	mg/L	0.003	0.005	0.05	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Iron	mg/L	0.003	0.005	0.71	≤10.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, 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, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing							
Chloride as Cl *	mg/L	0.5	1	44	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (D)	Rayong
Conductivity at 25 Degree C *	micromhos/cm	-	0.5	706	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, 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, 23rd ed., 2017, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	No Velocity	No Standard	Flow meter	Rayong
Fluoride as F *	mg/L	0.06	0.2	<0.2	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-F (D)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.

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Chanattagarn Imchom
Section Head

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Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
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Thailand 10310

P/O :

Project Name : โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง

Project Location : WWTP



TESTING
No.0009

Lot ID: 2486573

Date Received : Aug 02, 2024

Date Reported : Aug 09, 2024

Report Number : 3078771-3

Page 2 of 2

Sampling By : Chainusorn Lertnanthakunchai , Samart Khumphlee

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Chanattagarn Imchom
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Analysis / Test Report

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Thailand 10310

P/O :

Project Name : โครงการนิคมอุตสาหกรรมโรงงานแหลมฉบัง

Project Location : WWTP



TESTING
No.0042

Lot ID: 2498316

Date Received : Sep 03, 2024

Date Reported : Sep 24, 2024

Report Number : 3106554-1 Rev. No.1

Page 1 of 2

Sample Number	2498316-1
Sampled Date	Sep 03, 2024 2:13 PM
Sample Description	Wastewater
Location	Influent WWT
Date Analysis Commenced	Sep 03, 2024
Condition of Sample	Contained in two BOD bottles, one amber glass bottle, two glass vials and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	10.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	30	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	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, 23rd ed., 2017, 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
pH at 25 degree C	-	-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Phenol	mg/L	0.005	0.01	<0.010	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Rayong
Sulfide *	mg/L	-	0.5	<0.5	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-S2 (C, F)	Rayong

Technical Management

Photchana S.

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-ก-0028

Approved by

D. Chuan

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ก-0001

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Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310

P/O :

Project Name : โครงการนิคมอุตสาหกรรมโรงงานแหลมฉบัง

Project Location : WWTP



TESTING
No.0042

Lot ID: 2498316

Date Received : Sep 03, 2024

Date Reported : Sep 24, 2024

Report Number : 3106554-1 Rev. No.1

Page 2 of 2

Sample Number	2498316-1
Sampled Date	Sep 03, 2024 2:13 PM
Sample Description	Wastewater
Location	Influent WWT
Date Analysis Commenced	Sep 03, 2024
Condition of Sample	Contained in two BOD bottles, one amber glass bottle, two glass vials and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Temperature *	Degree C	-	-	30.1	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	200	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	8.4	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	45	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.

Note : This Analysis test report is reissued to supersede report No.3106554-1, Date Reported : Sep 10, 2024 due to revise guideline/specification

Sampling By : Wasan Kinunti ทะเบียนเลขที่ ว-323-ก-0019 , Kardbundit Kitsupavanit ทะเบียนเลขที่ ว-204-ก-0001

Remark :

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- "c" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Photchana S.

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-ก-0028

Approved by

D. Chuan

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ก-0001

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P/O :
Project Name : โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง
Project Location : WWTP



Lot ID: 2498316
 Date Received : Sep 03, 2024
 Date Reported : Sep 24, 2024
 Report Number : 310655472 Re9, No.1

Sample Number	24-f31671
Sampled Date	Dep 03, 2024 2:13 PM
Sample Description	Wastewater
Location	Influent WWT
Date Analysis Commenced	Dep 04, 2024
Condition of Sample	Contained in two 80v bottles, one amber glass bottle, two glass 9ials and eight plastic bottles, sample containers comply to pretreatment 7 preservation standards (APHA, UDSPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.004	≤0.25	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA x WSF, 23rd ed., 2018, 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 x WSF, 23rd ed., 2018, 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 x WSF, 23rd ed., 2018, 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 x WSF, 23rd ed., 2018, part 3500 Cr B	Bangkok
Lead	mg/L	0.0003	0.0005	0.000-	≤0.2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA x WSF, 23rd ed., 2018, part 3125 B, 3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.45	≤5.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA x WSF, 23rd ed., 2018, part 3125 B, 3030 F	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not detected	≤0.005	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA x WSF, 23rd ed., 2018, part 3112	Bangkok
Nickel	mg/L	0.0003	0.0005	0.001	≤1.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA x WSF, 23rd ed., 2018, part 3125 B, 3030 F	Bangkok

Chanattagarn Imchom
Dection Head
๔๗๖๓๒๕๙

วณอก Korn Anek
Assistant General Manager
เลขที่หนังสือ ๖๗๒๐๔๗๒๐๐๐๔

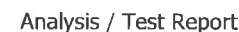
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P/O :
Project Name : โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง
Project Location: WWTP



Lot ID: 2498316
 vate Received : Sep 03, 2024
 vate Reported : Sep 24, 2024
 Report Number : 310655472 Re9. No.1

Sample Number	24-F31671
Sampled Date	Dep 03, 2024 2:13 PM
Sample Description	Wastewater
Location	Influent WWT
Date Analysis Commenced	Dep 04, 2024
Condition of Sample	Contained in two BOD bottles, one amber glass bottle, two glass vials and eight plastic bottles, sample containers comply to untreated 7 preservation standards (APHA, JDSRAE

Pre-treatment / Pre-treatment Standards (All My, 2018)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Copper	mg/L	0.0003	0.0005	Not detected	≤1.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2018, part 3125 B, 3030 F	Bangkok
Lead	mg/L	0.003	0.005	0.01	≤5.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2018, part 3125 B, 3030 F	Bangkok
Water Testing							
Oil & Grease *	mg/L	7	3	3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2018, part 5520 v	Bangkok

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- QQ : Lower than LO (Limit of quantitation) or LOR (Limit of Reporting)
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- The laboratory has been accepted as an accredited laboratory complying with the IDO/ISC 18025.

Chanattagarn Imchom
Dection Head
๔:๕1๗๙๙๔๗2047๓000

วณอก Korn Anek
Assistant General Manager
<๖๓๗๐๔๘>

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Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
2034/115 26TH Fl. Italhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310

P/O :
Project Name : โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง
Project Location : WWTP



TESTING
No.0009

Lot ID: 2498316
vate Received : Dep 03, 2024
vate Reported : Dep 24, 2024
Report Number : 310655473 Re9. No.1

Page 1 of 2

Sample Number	24-f31671						
Sampled Date	Dep 03, 2024 2:13 PM						
Sample Description	Wastewater						
Location	Influent WWTP						
Date Analysis Commenced	Dep 03, 2024						
Condition of Sample	Contained in two BOD bottles, one amber glass bottle, two glass flasks and eight plastic bottles, sample containers comply to pretreatment preservation standards (APHA, US EPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminium	mg/L	0.003	0.005	0.36	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA x WSF, 23rd ed., 2018, part 3125 B, 3030 F	Bangkok
Iron	mg/L	0.003	0.005	0.6	≤10.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA x WSF, 23rd ed., 2018, part 3125 B, 3030 F	Bangkok
Diluter	mg/L	0.0003	0.0005	Not detected	≤1.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA x WSF, 23rd ed., 2018, part 3125 B, 3030 F	Bangkok
Water Testing							
Chloride as Cl *	mg/L	0.5	1	30	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA x WSF, 23rd ed., 2018, part 4500 Cl (v E)	Rayong
Conductivity at 25 degree C *	micromhos/cm	7	0.5	412	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA x WSF, 23rd ed., 2018, part 2510 B	Rayong
Dissolved Oxygen *	mg/L	7	0.1	6.3	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA x WSF, 23rd ed., 2018, part 4500 DO (CE)	Rayong
Flow rate *	m ³ /s	7	7	No Velocity	No Standard	Flow meter	Rayong
Fluoride as F *	mg/L	0.06	0.2	<0.2	≤5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA x WSF, 23rd ed., 2018, part 4500 F (v E)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.02-/2568 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.

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Approved by

Chanatt L.

Chanattagorn Imchom
Dection Head

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Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
2034/115 26TH Fl. Italhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310

P/O :
Project Name : โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง
Project Location : WWTP



TESTING
No.0009

Lot ID: 2498316
vate Received : Dep 03, 2024
vate Reported : Dep 24, 2024
Report Number : 310655473 Re9. No.1

Page 2 of 2

Note : This Analysis test report is reissued to supersede report No.310655473, vate Reported : Dep 10, 2024 due to revise guideline/specification
Sampling By : Wasan Kinunti , Kerdbundit Kitisupapant

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 IDO/ISC 18025.
- * The laboratory has been accepted as an accredited laboratory complying with the IDO/ISC 18025.

Approved by

Chanatt L.

Chanattagorn Imchom
Dection Head

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Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310

P/O :
Project Name : โครงการนิคมอุตสาหกรรมโรจนะแฟลมอ้ง
Project Location : WWTP



TESTING
No.0042
Lot ID: 24109576
vate Received : Oct 01, 2024
vate Reported : Oct 07, 2024
Report Number : 313100781

Page 1 of 2

Sample Number	2410f 57681						
Sampled Date	Oct 01, 2024 f:50 AM						
Sample Description	Wastewater						
Location	In-fluent WWT						
Date Analysis Commenced	Oct 01, 2024						
Condition of Sample	Contained in two glass 9ials, three amber glass bottles, two BDv bottles and eight plastic bottles, sample containers comply to pretreatment & preservation standards CAPHA, (USPAC						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BDv 5 days at 20 vegree CE	mg/L	8	2.0	1G7	≤500	Ustand Methods-or the S)amination o- Water and Wastewater, APHA, AWWA x WSF, 24th ed., 2023, part 5210 B, part 4500 BD &	Rayong
CDv	mg/L	1.5	25	36	≤750	Ustand Methods-or the S)amination o- Water and Wastewater, APHA, AWWA x WSF, 24th ed., 2023, part 5220 v	Rayong
Cyanide as HCN	mg/L	0.001	0.005	<0.005	≤0.2	Ustand Methods-or the S)amination o- Water and Wastewater, APHA, AWWA x WSF, 24th ed., 2023, part 4500BCN CE, SE	Rayong
Formaldehyde	mg/L	0.03	0.1	<0.1	≤1	Wastewater analysis manual, Sn9ironmental Engineering Association o- Thailand, 4th ed., 2004	Rayong
pH at 25 degree C		8	8	G4	5.58 .0	Ustand Methods-or the S)amination o- Water and Wastewater, APHA, AWWA x WSF, 24th ed., 2023, part 4500 BH CBE	Rayong
Phenol	mg/L	0.005	0.01	<0.010	≤1	Ustand Methods-or the S)amination o- Water and Wastewater, APHA, AWWA x WSF, 24th ed., 2023, part 5530 v	Rayong
Residual Free Chlorine *	mg/L	8	0.1	<0.1	≤1	Ustand Methods-or the S)amination o- Water and Wastewater, APHA, AWWA x WSF, 24th ed., 2023, part 4500BC OFE	Rayong
Uul-ide *	mg/L	8	0.5	0.6	≤1.0	Ustand Methods-or the S)amination o- Water and Wastewater, APHA, AWWA x WSF, 24th ed., 2023, part 4500BJ2 CE, FE	Rayong

Technical Management

Photchana S.

Photchana Ueada
Ucientist OIE
ทะเบียนเลขที่ ว8238&002G

Approved by

D. Chuan

vej Changchon
Uenior Manager
ทะเบียนเลขที่ ว8238&0001

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Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310

P/O :
Project Name : โครงการนิคมอุตสาหกรรมโรจนะแฟลมอ้ง
Project Location : WWTP



TESTING
No.0042
Lot ID: 24109576
vate Received : Oct 01, 2024
vate Reported : Oct 07, 2024
Report Number : 313100781

Page 2 of 2

Sample Number	2410f 57681						
Sampled Date	Oct 01, 2024 f:50 AM						
Sample Description	Wastewater						
Location	In-fluent WWT						
Date Analysis Commenced	Oct 01, 2024						
Condition of Sample	Contained in two glass 9ials, three amber glass bottles, two BDv bottles and eight plastic bottles, sample containers comply to pretreatment & preservation standards CAPHA, (USPAC						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Temperature *	vegree C	8	8	32.3	≤45	Ustand Methods-or the S)amination o- Water and Wastewater, APHA, AWWA x WSF, 24th ed., 2023, part 2550 B	Rayong
Total v issolved Uolids v ried at 1GD degree C	mg/L	8	5	124	≤3000	Ustand Methods-or the S)amination o- Water and Wastewater, APHA, AWWA x WSF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	8	1.0	12.0	≤100	Ustand Methods-or the S)amination o- Water and Wastewater, APHA, AWWA x WSF, 24th ed., 2023, part 4500Norg CCE, part NH3 & E	Rayong
Total Uuspended Uolids v ried at 1038105 degree C	mg/L	8	5	32	≤200	Ustand Methods-or the S)amination o- Water and Wastewater, APHA, AWWA x WSF, 24th ed., 2023, part 2540 v	Rayong

Guideline : Noti-ication o- the Industrial Sstate Authority o- Thailand No.02f /2567 : &eneral Ustandards -or Wastewater drainage into central wastewater treatment systems in Industrial Sstates.

Sampling By : Nattawut Athomprommarat ทะเบียนเลขที่ ว8238&0006 , Pattarapol Uawangjaitam ทะเบียนเลขที่ ว8248&0002

Remark :

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- * "<" : Lower than LDQ Uimit o- QuantitationE/ LDR Uimit o- ReportingE
- * Analyte&Emarked * is/are not included in scope o- Accreditation IUD/ISC 17025.
- * The laboratory has been accepted as an accredited laboratory complying with the IUD/ISC 17025.

Technical Management

Photchana S.

Photchana Ueada
Ucientist OIE
ทะเบียนเลขที่ ว8238&002G

Approved by

D. Chuan

vej Changchon
Uenior Manager
ทะเบียนเลขที่ ว8238&0001

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Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310

P/O :
Project Name : โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง
Project Location : WWTP



TESTING
No.0009

Lot ID: 24109576
v ate Received : Oct 01, 2024
v ate Reported : Oct 07, 2024
Report Number : 3131008-2

Page 1 of 2

Sample Number	2410C586-1
Sampled Date	Oct 01, 2024 05:50 AM
Sample Description	Wastewater
Location	Influent WWTP
Date Analysis Commenced	Oct 02, 2024
Condition of Sample	Contained in two glass 9ials, three amber glass bottles, two BDV bottles and eight plastic bottles, 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	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
Cadmium	mg/L	0.0003	0.0005	Not v etected	≤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 v etected	≤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	0.21	≤5.0	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	<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	0.0007	≤1.0	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.

Chanattagn Imchom
Section Head
ทะเบียนเลขที่ ว-204-จ-0007

Approved by

Kanokkorn Anek

Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ ว-204-จ-0004

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Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310

P/O :
Project Name : โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง
Project Location : WWTP



TESTING
No.0009

Lot ID: 24109576
v ate Received : Oct 01, 2024
v ate Reported : Oct 07, 2024
Report Number : 3131008-2

Page 2 of 2

Sample Number	2410C586-1
Sampled Date	Oct 01, 2024 05:50 AM
Sample Description	Wastewater
Location	Influent WWTP
Date Analysis Commenced	Oct 02, 2024
Condition of Sample	Contained In two glass 9ials, three amber glass bottles, two BDV bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
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
Water Testing							
Dil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 v	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.02Q/2568 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.

Sampling By : Nattawut Athomprommarat ทะเบียนเลขที่ ว-323-จ-0006 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

- LDV : Limit of v etection
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- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 18025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 18025.

Technical Management

Chanatt L.

Chanattagn Imchom
Section Head
ทะเบียนเลขที่ ว-204-จ-0007

Approved by

Kanokkorn Anek

Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ ว-204-จ-0004

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Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310

P/O :
Project Name : โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง
Project Location : WWTP



TESTING
No.0009
Lot ID: 24109576
Date Received : Oct 01, 2024
Date Reported : Oct 08, 2024
Report Number : 3131007-3

Page 1 of 2

Sample Number	24109576-1						
Sampled Date	Oct 01, 2024 9:50 AM						
Sample Description	Wastewater						
Location	Influent WWT						
Date Analysis Commenced	Oct 01, 2024						
Condition of Sample	Contained in two glass vials, three amber glass bottles, two BOD bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminium	mg/L	0.003	0.005	0.22	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	0.44	≤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	0.0007	≤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							
Chloride as Cl *	mg/L	0.5	1	24		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	270	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	9.1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	No Velocity	No Standard	Flow meter	Rayong
Fluoride as F *	mg/L	0.06	0.2	<0.2	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-F (D)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.

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Approved by

Chanatt L.

Chanattagarn Imchom
Section Head

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Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310

P/O :
Project Name : โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง
Project Location : WWTP



TESTING
No.0009
Lot ID: 24109576
Date Received : Oct 01, 2024
Date Reported : Oct 08, 2024
Report Number : 3131007-3

Page 2 of 2

Sampling By : Nattawut Athomprommarat , Pattarapol Sawangjaliam

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

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Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310

P/O :

Project Name : โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง

Project Location : WWTP



TESTING
No.0042

Lot ID: 24124286

Issue Received : NoD 01, 2024

Issue Reported : NoD 09, 2024

Report Number : 3157820-1

Page 1 of 2

Sample Number	24124296-1
Sampled Date	NoD 01, 2024 8:40 AM
Sample Description	Wastewater
Location	Influent WWTP
Date Analysis Commenced	NoD 01, 2024
Condition of Sample	Contained in two BOV bottles, one amber glass bottle, two glass Dials and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOV (5 days at 20 degree C)	mg/L	-	2.0	11.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COV	mg/L	1.5	25	68	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 v	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
pH at 25 degree C	-	-	-	7.8	5.5-8.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Phenol	mg/L	0.005	0.01	Not detected	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5530 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 4500-Cl (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

Technical Management

Photchana S.

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ 7-323-จ-0029

Approved by

D. Chansu

vej Changchon
Senior Manager
ทะเบียนเลขที่ 7-323-ก-0001

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Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310

P/O :

Project Name : โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง

Project Location : WWTP



TESTING
No.0042

Lot ID: 24124286

Issue Received : NoD 01, 2024

Issue Reported : NoD 09, 2024

Report Number : 3157820-1

Page 2 of 2

Sample Number	24124296-1
Sampled Date	NoD 01, 2024 8:40 AM
Sample Description	Wastewater
Location	Influent WWTP
Date Analysis Commenced	NoD 01, 2024
Condition of Sample	Contained in two BOV bottles, one amber glass bottle, two glass Dials and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Temperature *	degree C	-	-	31.9	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total dissolved Solids varied at 190 degree C	mg/L	-	5	129	≤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	13.4	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (v)	Rayong
Total Suspended Solids varied at 103-105 degree C	mg/L	-	5	21	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 v	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.028/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.

Sampling By : Wasan Kinuntl ทะเบียนเลขที่ 7-323-จ-0018 , Kerdbundit Kitisupadani ทะเบียนเลขที่ 7-204-จ-0001

Remark :

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Technical Management

Photchana S.

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ 7-323-จ-0029

Approved by

D. Chansu

vej Changchon
Senior Manager
ทะเบียนเลขที่ 7-323-ก-0001

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Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310

P/O :
Project Name : โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง
Project Location : WWTP



TESTING
No.0009

Lot ID: 24124286

Rate Received : NoD01, 2024
Rate Reported : NoD09, 2024
Report Number : 3157820-2

Page 1 of 2

Sample Number	24124296-1						
Sampled Date	NoD01, 2024 8:40 AM						
Sample Description	Wastewater						
Location	Influent WWT						
Date Analysis Commenced	NoD04, 2024						
Condition of Sample	Contained in two 80v bottles, one amber glass bottle, two glass Dials and eight plastic bottles, 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	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
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	0.002	≤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	0.59	≤5.0	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	<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	0.003	≤1.0	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
ทะเบียนเลขที่ ว-204-จ-0009

Approved by

Kanokorn Anek

Kanokorn Anek
Assistant General Manager
ทะเบียนเลขที่ ว-204-ก-0004

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Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310

P/O :
Project Name : โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง
Project Location : WWTP



TESTING
No.0009

Lot ID: 24124286

Rate Received : NoD01, 2024
Rate Reported : NoD09, 2024
Report Number : 3157820-2

Page 2 of 2

Sample Number	24124296-1						
Sampled Date	NoD01, 2024 8:40 AM						
Sample Description	Wastewater						
Location	Influent WWT						
Date Analysis Commenced	NoD04, 2024						
Condition of Sample	Contained in two 80v bottles, one amber glass bottle, two glass Dials and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Zinc	mg/L	0.003	0.005	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
Water Testing							
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 v	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.028/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.

Sampling By : Wasan Kinunthi ทะเบียนเลขที่ ว-323-จ-0018 , Kardsundit KitisupaDanit ทะเบียนเลขที่ ว-204-จ-0001

Remark :

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Technical Management

Chanatt L.

Chanattagarn Imchom
Section Head
ทะเบียนเลขที่ ว-204-จ-0009

Approved by

Kanokorn Anek

Kanokorn Anek
Assistant General Manager
ทะเบียนเลขที่ ว-204-ก-0004

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Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310

P/O :

Project Name : โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง

Project Location: WWTP



TESTING
No.0009

Lot ID: 24124286

Date Received : Nov 01, 2024

Date Reported : Nov 08, 2024

Report Number : 3157920-3

Page 1 of 2

Sample Number	24124286-1						
Sampled Date	Nov 01, 2024 9:40 AM						
Sample Description	Wastewater						
Location	Influent WWT						
Date Analysis Commenced	Nov 01, 2024						
Condition of Sample	Contained in two BOD bottles, one amber glass bottle, two glass vials and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminium	mg/L	0.003	0.005	0.09	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	0.68	≤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							
Chloride as Cl *	mg/L	0.5	1	30	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	359	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	2.4	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Flow rate *	m ³ /s	-	-	0.080	No Standard	Flow meter	Rayong
Fluoride as F *	mg/L	0.06	0.2	<0.2	≤5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-F (D)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.

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Chanatt L.

Chanattagarn Imchom
Section Head

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Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310

P/O :

Project Name : โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง

Project Location: WWTP



TESTING
No.0009

Lot ID: 24124286

Date Received : Nov 01, 2024

Date Reported : Nov 08, 2024

Report Number : 3157920-3

Page 2 of 2

Sampling By : Wasan Kinunti , Kardbundit Kitisupavanit

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Analysis / Test Report

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gd2m/uu0 gBTk VltHaltJai ToDerMj eD vet, JH5ri RoaLM8anN7apiMk 5ay7DanNM
8anN7o7 TJailanL ud2ud
mLI e
mD 2W4id 86 N Cโครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง
mD 2W4id 48id a C9 9 Tv



TESTING

No.0042
Ciet P/OP/P: r
. ate Re, eil el. Cj oi duMgdgm
. ate Reportel. Cj oi d: Mgdgm
Report j 56 Her C2u034guJu

S86 pJNid u6 bND	gmgmg: Blg								
S86 pJNid 8IN	j oi duMgdgm 4Cdd Aw								
S86 pJNid Ns4Dpid a	9 asteDater								
Ci 48id a	f-Isent 9 9 T								
t 8INaA8jysaol 6 6 Na4Nd	j oi duMgdgm								
oi addid ad fS86 pJN	PontaineL in tDo 8O. HttlesMone a6 Her Mass HttleMDo Mass Ials anL eiNI t plasti, HttlesMsa6 ple, ontainers, o6 ply to pretreat6 ent 1 preserIation stanLarLs (AvkAMUSr vAE								
Aa8jiN	Uad	Ci t	dCi Qe (Ci R)	RNsui	GuadNcaN (dQ)	GuadNcaNe (dP)	MNIhI d	TNisage Ci 48id a	
W8INd8Nisag									
8O. (0 Lays at gd . eNree PE	6 N/b	1	gd	uud	sgd	suB	StanLarL wetJols-or tJe f)a6 ination o-9 ater anL 9 asteDaterC AvkAMA9 9 A x 9 fW gntJ el.dHgdg2Mpart Qud 8Mpart m0dd 10 &	RayonN	
PO.	6 N/b	ud	g0	Bg	sgud	sgud	StanLarL wetJols-or tJe f)a6 ination o-9 ater anL 9 asteDaterC AvkAMA9 9 A x 9 fW gntJ el.dHgdg2Mpart Qgdg .	RayonN	
PyaniLe as PJ	6 N/b	daddu	dadd0	Gdadd0	sdag	sdag	StanLarL wetJols-or tJe f)a6 ination o-9 ater anL 9 asteDaterC AvkAMA9 9 A x 9 fW gntJ el.dHgdg2Mpart m0dd IPJ (PM fE	RayonN	
Wor6 aLeJyLe	6 N/b	dd2	dau	j ot . ete, tel	su	su	9 asteDater analysis 6 anSalM f nIiron6 ental f nNneerInN Asso, Iation o- TJailanL MmJ el.dHddm	RayonN	
pk at g0 LeNree P	1	1	8c	0d01dd	0d01dd		StanLarL wetJols-or tJe f)a6 ination o-9 ater anL 9 asteDaterC AvkAMA9 9 A x 9 fW gntJ el.dHgdg2Mpart m0dd 1k (8E	RayonN	
vJenol	6 N/b	dadd0	dau	j ot . ete, tel	su	su	StanLarL wetJols-or tJe f)a6 ination o-9 ater anL 9 asteDaterC AvkAMA9 9 A x 9 fW gntJ el.dHgdg2Mpart 002d .	RayonN	
Resil5al Wee PJlorine <	6 N/b	1	dau	Gdau	su	su	StanLarL wetJols-or tJe f)a6 ination o-9 ater anL 9 asteDaterC AvkAMA9 9 A x 9 fW gntJ el.dHgdg2Mpart m0dd IPJ (VE	RayonN	
SSI-le <	6 N/b	1	dd	Gdd	suu	suu	StanLarL wetJols-or tJe f)a6 ination o-9 ater anL 9 asteDaterC AvkAMA9 9 A x 9 fW gntJ el.dHgdg2Mpart m0dd ISg (PM VE	RayonN	

TNhaot8jM8a8gN5 Naie

Photchanas.

vJot, Jana Seela
S, ientist (nE
พระนิพนธ์ วัชรวิจิตร

AppD vNidby

D. Khun.

. eF PJanN Jon
Senior wanaNer
พระนิพนธ์ วัชรวิจิตร

ResSits apply to Ue sa6 pletE as s86 itelM6less Ue sa6 pletN Das . onL5, tel. Hy A86c) o part o- Uis report 6 ay fte reportS, el. in any rorB. Daj05k Drtten, onsent rns6 Ue labatory: A86 labatory: 8m5p (TJailanL E stronMy re, o6 6 onL5 Ust Uis report is not reportS, el. el), ept in -S8c

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ojdNiaCROfana InL5strial wanaNe6 ent PodMtlC
gd2m/uu0 gBTk VltHaltJai ToDerMj eD vet, JH5ri RoaLM8anN7apiMk 5ay7DanNM
8anN7o7 TJailanL ud2ud
mLI e
mD 2W4id 86 N Cโครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง
mD 2W4id 48id a C9 9 Tv



TESTING

No.0042
Ciet P/OP/P: r
. ate Re, eil el. Cj oi duMgdgm
. ate Reportel. Cj oi d: Mgdgm
Report j 56 Her C2u034guJu

S86 pJNid u6 bND	gmgmg: Blg								
S86 pJNid 8IN	j oi duMgdgm 4Cdd Aw								
S86 pJNid Ns4Dpid a	9 asteDater								
Ci 48id a	f-Isent 9 9 T								
t 8INaA8jysaol 6 6 Na4Nd	j oi duMgdgm								
oi addid ad fS86 pJN	PontaineL in tDo 8O. HttlesMone a6 Her Mass HttleMDo Mass Ials anL eiNI t plasti, HttlesMsa6 ple, ontainers, o6 ply to pretreat6 ent 1 preserIation stanLarLs (AvkAMUSr vAE								
Aa8jiN	Uad	Ci t	dCi Qe (Ci R)	RNsui	GuadNcaN (dQ)	GuadNcaNe (dP)	MNIhI d	TNisage Ci 48id a	
W8INd8Nisag									
Te6 peratSre <	. eNree P	1	1	Zgc	sm	sm	StanLarL wetJols-or tJe f)a6 ination o-9 ater anL 9 asteDaterC AvkAMA9 9 A x 9 fW gntJ el.dHgdg2Mpart g0dd 8	RayonN	
Total . issolTel SoliLs . riel at 6 N/b	1	0	um2	sd2dd	sg0dd		StanLarL wetJols-or tJe f)a6 ination o-9 ater anL 9 asteDaterC AvkAMA9 9 A x 9 fW gntJ el.dHgdg2Mpart g0md P	RayonN	
u: d LeNree P	6 N/b	1	uud	m0	sudd	sudd	StanLarL wetJols-or tJe f)a6 ination o-9 ater anL 9 asteDaterC AvkAMA9 9 A x 9 fW gntJ el.dHgdg2Mpart m0dd IPJ (PM fE	RayonN	
Total S5penLeL SoliLs . riel	6 N/b	1	0	g:	sd0	sd0	StanLarL wetJols-or tJe f)a6 ination o-9 ater anL 9 asteDaterC AvkAMA9 9 A x 9 fW gntJ el.dHgdg2Mpart g0md .	RayonN	
at ud2ud0 LeNree P									

GuadNcaN 85ileline (uECf-Isent stanLarL -or -a, toriesMnL5strial estate anL InL5strial par7 set Hy j oti-I, ation o- tJe winstry o- j atSral Reso5r, e anL f nIiron6 ent anL e-Isent stanLarL -or -a, tories anL InL5strial par7 set Hy j oti-I, ation o- tJe winstry o- InL5strial LatL KSne d3MBd q0Bd (gdu3E: 85ileline (gECStanLarL o- RoiaNa InL5strial par7 (bae6 PJ ahanNMPriteria o- e-Isent Lis, JarNnN-ro6 . entral DasteDater treat6 ent plantc

S86 pJag8yee8 asan _In5nli ทดสอบเลขที่ ว 12g21a1ddu4 M arLH5nLit _itis5paIant ทดสอบเลขที่ ว 12g21a1ddu

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- "G" CboDer TJan bOQ (b6 it o- QSanitationE/ bOR (b6 it o- ReportinVE
- Analyte(sE6 ar7el < is/are not in, ISLeL in s, ope o- a, reLitation fSO/fP u3dg0c
- TJe labratory Jas Heen a., eptel as an a., reLitel labratory, o6 plynN Diid tJe fSO/fP u3dg0c

TNhaot8jM8a8gN5 Naie

Photchanas.

vJot, Jana Seela
S, ientist (nE
พระนิพนธ์ วัชรวิจิตร

AppD vNidby

D. Khun.

. eF PJanN Jon
Senior wanaNer
พระนิพนธ์ วัชรวิจิตร

ResSits apply to Ue sa6 pletE as s86 itelM6less Ue sa6 pletN Das . onL5, tel. Hy A86c) o part o- Uis report 6 ay fte reportS, el. in any rorB. Daj05k Drtten, onsent rns6 Ue labatory: A86 labatory: 8m5p (TJailanL E stronMy re, o6 6 onL5 Ust Uis report is not reportS, el. el), ept in -S8c

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un0003a07 fvaAb

SCReportsW8Re-LARlgk0e0pt (uudMwE

Analysis / Test Report

gd2m/uu0 gBTK 1lchaltkai Tos erMj es vet, nH5ri RoaLMhanNapiMk Sayrs anNM
nanNhoi TəailanL ud2ud

ก.ล.๕
กบ 244id 86 N ณ มอ. ตมสทจะลงตบ นนคณ สพิน Davg 83
กบ 244id 48id aC9 9 Tg



TESTING
No.0009

Client eP/OP/P: r
 . ate Re, eiI eL Cj oI duMgdgm
 . ate ReporteL Cj oI d: Mgdgm
 Report i 56 Her C2u034qu1q

DATE _____

S86 p jN4 u6 bND		gmugmg: Btg							
S86 p jN4d 8IN		j oI duMgdgm 4Cd Aw							
S86 p jN4t N=4Dpid a		9 aster ater							
C1 481 d a		f -45ent 9 9 T							
t 8INaA8jysæol 6 6 Na4Nd		j oI dntMgdgm							
ol addd ad f86 p jN		PontaleL in t5 o nO. HttlesMbne a6 Her Nass HttleM5 o Nass Ials anL eIMt plastI, HttlesM5a6 ple , ontainers , o6 ply to pretreat6 ent 1 preslerlation stanLarLs (AskAMUSf oAE							
Aa8jiyIN	Uad	C1 t	dC1 Qe (C1 R)	RNeuji	GuaL NjaN (dC)	GuaL NjaNe (dC)	MNIhl d	TNeiæge C1 481d a	
MN8jæfN8iæg									
ArsenI,	6 N/b	dædd2	dædd0	dædg	&dæg0	&dæg0	StanLarL wetnols - or the f)a6 ination o- 9 ater anL 9 aster atercAskAM9 9 A x 9 f fI gmtn eLdMgdg2Mpart 2ug0 nNd2d f	nanNhoY	
PaL6 i56	6 N/b	dædd2	dædd0	j ot , ete, teL	&dæd2	&dæd2	StanLarL wetnols - or the f)a6 ination o- 9 ater anL 9 aster atercAskAM9 9 A x 9 f fI gmtn eLdMgdg2Mpart 2ug0 nNd2d f	nanNhoY	
Popper	6 N/b	dædd2	dædd0	dædd2	&gæd	&gæd	StanLarL wetnols - or the f)a6 ination o- 9 ater anL 9 aster atercAskAM9 9 A x 9 f fI gmtn eLdMgdg2Mpart 2ug0 nNd2d f	nanNhoY	
ke)alænt Pæro6 i56	6 N/b	dædd2	dædu	j ot , ete, teL	&dæg0	&dæg0	StanLarL wetnols - or the f)a6 ination o- 9 ater anL 9 aster atercAskAM9 9 A x 9 f fI gmtn eLdMgdg2Mpart 20ddiPr n	nanNhoY	
beaL	6 N/b	dædd2	dædd0	dæddg	&dæg	&dæg	StanLarL wetnols - or the f)a6 ination o- 9 ater anL 9 aster atercAskAM9 9 A x 9 f fI gmtn eLdMgdg2Mpart 2ug0 nNd2d f	nanNhoY	
wanNanese	6 N/b	dædd2	dædd0	dæ2d	&0æd	&0æd	StanLarL wetnols - or the f)a6 ination o- 9 ater anL 9 aster atercAskAM9 9 A x 9 f fI gmtn eLdMgdg2Mpart 2ug0 nNd2d f	nanNhoY	
wer,5ry ≤	6 N/b	dæddu	dædd0	* dædd0	&dædd0	&dædd0	StanLarL wetnols - or the f)a6 ination o- 9 ater anL 9 aster atercAskAM9 9 A x 9 f fI gmtn eLdMgdg2Mpart 2ug0 nNd2d f	nanNhoY	
j i, rel	6 N/b	dædd2	dædd0	dæddg	&uæd	&uæd	StanLarL wetnols - or the f)a6 ination o- 9 ater anL 9 aster atercAskAM9 9 A x 9 f fI gmtn eLdMgdg2Mpart 2ug0 nNd2d f	nanNhoY	

TN4ha048jdM8a8gN5 Naie

Chamatt L.

PranattaNarn 16 , คอ6
Se, tion keaL
ทพ8ยสเดาที่ ๑1๐๐๐ 1๐๐๐

App v Ndeby

Leah Ash

Kanorrorn Aner
Assistant General wanaNer
נאנר וואס איז דער אסיסטנט גענעראל

Res: SAs apply to the sub plan(s) as s/sb item. Minus the sub plan(s) as, ent S, tel. 14 ASG: (a) part o- this report 6 ay 14: reprt S, el. in any o- s done S ritten, onsent-rob the talkatory
ASG talkatory GroS (Transit) s strongly re. o- 6 end s that this report is not read S, el. e). ent in -SRE

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und 812 u. f. v. A. b.

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Analysis / Test Report

gd2n7u0 gBTk 1lchtkakai Tor erMj es jet, nH5ri RoalMnaniNapiMk Sayrs anNM
nanNhor TnailanL ud2ud

nr 244d186 N ឱ រដ្ឋ តំណាងអន្តរជាតិ អាយុ ៧៧ ឆ្នាំ
nr 244d148id a ១១ ៣



TESTING
No.0009

Client #/OP/P: r
ate Re,eIeL Cj oI duMgdgm
ate ReporteL Cj oI d: Mgdgm
Report j 56 HerC2u034gu1g

98-9

S86 pJNdt u6 bND	gmugmg: Blg							
S86 pJNdt 8tN	j oI duMgdm 4Qd Aw							
S86 pJNdt Ns4Dpid a	9 astes ater							
CI 48Id a	f-Isent 9 9 T							
t 8tNaAa8jysæoI 6 6 Na4Nd	j oI dntMgdm							
oi addid æd fS86 pJN	PontaineL in ts o nO. HttlesMbne ær Her Mass HttleMtS o Nass Iials anL eiNht plasti, HttlesMsa6 ple ,o6 ply to pretreatẽ ent i prẽsleration stanLaLS (AsKAMUSf JAE							
Aa8jyIN	Uad	C t	eI Qe (C R)	RNsuj	GudMNaN (dS)	GudMNaNe (dS)	MN hI d	TNicaGe CI 48Id a
MNSjæfNicaG								
Zin,	6 N/b	dadd2	dadd0	dad2	&0cd	&0cd	StanLaRL wetnoLS -or tne f)a6 ination o- 9 ater anL 9 astes aterAcKAAV9 9 A x 9 f 1l qtn eLdtdg2Mpart 2ug0 nNd2d 1	nanNhoi
W8INDfNicaG								
Oil x Grease ≤	6 N/b	1	2	* 2	&0	&0	StanLaRL wetnoLS -or tne f)a6 ination o- 9 ater anL 9 astes aterAcKAAV9 9 A x 9 f 1l qtn eLdtdg2Mpart 00gd .	nanNhoi

Guideline: uECf -Isest stanLarL -or-a, toriesMnL5strial estate anL InL5strial parL set Hy j otl-i, atlon o-lne winstry o-j atSral Reso5r, e anL f nI Iron6 ent anL -Isest stanLarL -or-a, tories anL InL5strial parL set Hy j otl-i, atlon o-Lne winstry o-lmL5traly Latal' Sne d3Mn6 wD0B (gdu3E: GSILine (oECStanLarL o-Roflana InL5strial parL (bae6 PnaLanN6P criteria o-e-Isest Lis, naRnN-ro6, eantl 5ates atre d3eat ent plantc

586 pjaqbyee9 asan Kin5nti nW8 ualDu7Q 12q21 1ddu4 MKarLH5nLit Kitis5paIanit nW8 ualDu7Q 1qdm1 1dddu

Re6 an C

- bO, Chi6 it o-, etc, tion
- < < Cbos er tran bO" (bi6 it o-" SanitationE/ BOR (bi6 it o- ReportinNE
- Analyte(sE6 arnel. s/s/are not in, ISLeL in s, ope o- A-, reLitation H6O/Hf P u3dg0c
- The laBoratory has been a, eptel as an a, reLiLeL laBoratory, o6 plynN s itn the H6O/Hf P u3dg0c

TN4ha048jdM8a8gN6 Naic

Chamatt L

Pranatta Narn 16, ๓๐6
Se, tion keal
ทพธมสธมท ๑๒๓๔ ๑๒๓๔

AppD vNdeby

Leah Auk

Kanororn Ane
Assistant General wanaNe
ทพธิบสเดนที่ วgrdki iddm

Results apply to the sub-panels as stated in the sub-panels as, only, let. 14. (b) (5) (c) part of this report is a replot, el. in any of the three sub-panels, on the laboratory
ABS laboratory (Gibco) (Toulon) (Strawberry) re. of 6.0% (not) (not) report is not replot, el. (c) (1) in the

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SQLReport(s\w)Re*_All_gGbrpt (B0r9JwE



Analysis / Test Report

ojdhaie: Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang,
Bangkok Thailand 10310

nLI e

นพ 2444.86 N :โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง

นพ 2444.48id a :WWTP



TESTING

No.0009

Diast P/OP/P: r

Date Received : Nov 01, 2024

Date Reported : Nov 08, 2024

Report Number : 3157921-3

Page 1 of 2

S86 pjiN u6 bND	24124286-2							
S86 pjiNid 8iN	Nov 01, 2024 9:50 AM							
S86 pjiNt Ns4Qpid a	Wastewater							
CI 48id a	Effluent WWT							
t Bi NaA8jysaol 6 6 Na4Nid	Nov 01, 2024							
ol add ad faS86 pjiN	Contained in two BOD bottles, one amber glass bottle, two glass vials and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Aa8jiN	Uad	CI t	dCI Qe (CI R)	RNsui	GuadNiaN (dQ)	GuadNiaNe (Pq)	MNhi d	TNsiage CI 48id a
MN8jsaNsiaag								
Aluminium	mg/L	0.003	0.005	0.10	≤5	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	0.38	No Standard	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	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
v 8iN8Nsiaag								
Chloride as Cl *	mg/L	0.5	1	18	No Standard	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	193	No Standard	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	3.0	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	No Velocity	No Standard	No Standard	Flow meter	Rayong
Fluoride as F *	mg/L	0.06	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 (D)	Rayong

GuadNiaNe Guideline (1) : 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).
Guideline (2) : Standard of Rojana Industrial park (Laem Chabang), Criteria of effluent discharging from central wastewater treatment plant.

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report 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.

AppD Wndbye

Chanatt L.

Chanattagarn Imchom
Section Head

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ojdhaie: Rojana Industrial Management Co., Ltd.

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Bangkok Thailand 10310

nLI e

นพ 2444.86 N :โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง

นพ 2444.48id a :WWTP



TESTING

No.0009

Diast P/OP/P: r

Date Received : Nov 01, 2024

Date Reported : Nov 08, 2024

Report Number : 3157921-3

Page 2 of 2

S86 pjaag8yeeWasan Kinunti , Kardbundi Kitisupavanit

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

AppD Wndbye

Chanatt L.

Chanattagarn Imchom
Section Head

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14016-131/EPAB

S:\Reports\Market_AL_2CL.rpt (6-13PM)



Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310

P/O :
Project Name : โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง
Project Location : WWTP



TESTING
No.0042
Lot ID: 24134713
Date Received : Dec 02, 2024
Date Reported : Dec 10, 2024
Report Number : 319777781

Page 1 of 2

Sample Number	2413471381
Sampled Date	Dec 02, 2024 11:30 AM
Sample Description	Wastewater
Location	In-fluent WWTP
Date Analysis Commenced	Dec 02, 2024
Condition of Sample	Contained in two glass vials, one amber glass bottle, two Bf D bottles and eight plastic bottles, sample containers comply to pretreatment & preservation standards OPHA, (USPAE)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Bf D 5 days at 20 Degree CE	mg/L	8	2.0	19.0	≤500	Standard Methods -or the S)amination o- Water and Wastewater. APHA, AWWA x WSF, 24th ed., 2023, part 5210 B, part 4500 Bf &	Rayong
Cl D	mg/L	1.5	25	51	≤750	Standard Methods -or the S)amination o- Water and Wastewater. APHA, AWWA x WSF, 24th ed., 2023, part 5220 D	Rayong
Cyanide as HCN	mg/L	0.001	0.005	G0.005	≤0.2	Standard Methods -or the S)amination o- Water and Wastewater. APHA, AWWA x WSF, 24th ed., 2023, part 4500CN &, SE	Rayong
Formaldehyde	mg/L	0.03	0.1	Not Detected	≤1	Wastewater analysis manual, Snvironmental Engineering Association o- Thailand, 4th ed., 2004	Rayong
pH at 25 degree C		8	8	7.7	5.58<0	Standard Methods -or the S)amination o- Water and Wastewater. APHA, AWWA x WSF, 24th ed., 2023, part 4500 BH &	Rayong
Phenol	mg/L	0.005	0.01	G0.010	≤1	Standard Methods -or the S)amination o- Water and Wastewater. APHA, AWWA x WSF, 24th ed., 2023, part 5530 D	Rayong
Residual Free Chlorine *	mg/L	8	0.1	G0.1	≤1	Standard Methods -or the S)amination o- Water and Wastewater. APHA, AWWA x WSF, 24th ed., 2023, part 4500BCL &	Rayong
Uol-ide *	mg/L	8	0.5	D.5	≤1.0	Standard Methods -or the S)amination o- Water and Wastewater. APHA, AWWA x WSF, 24th ed., 2023, part 4500BCL &, FE	Rayong

Technical Management

Photchana S.

Photchana Ueada
Ucientist OIE
ทะเบียนเลขที่ ร823&8001

Approved by

D. Changchon

Dej Changchon
Uenior Manager
ทะเบียนเลขที่ ร823&8001

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Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310

P/O :
Project Name : โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง
Project Location : WWTP



TESTING
No.0042
Lot ID: 24134713
Date Received : Dec 02, 2024
Date Reported : Dec 10, 2024
Report Number : 319777781

Page 2 of 2

Sample Number	2413471381
Sampled Date	Dec 02, 2024 11:30 AM
Sample Description	Wastewater
Location	In-fluent WWTP
Date Analysis Commenced	Dec 02, 2024
Condition of Sample	Contained in two glass vials, one amber glass bottle, two Bf D bottles and eight plastic bottles, sample containers comply to pretreatment & preservation standards OPHA, (USPAE)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Temperature *	Degree C	8	8	2<5	≤45	Standard Methods -or the S)amination o- Water and Wastewater. APHA, AWWA x WSF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Uolids Dried at 190 degree C	mg/L	8	5	142	≤3000	Standard Methods -or the S)amination o- Water and Wastewater. APHA, AWWA x WSF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	8	1.0	1<0	≤100	Standard Methods -or the S)amination o- Water and Wastewater. APHA, AWWA x WSF, 24th ed., 2023, part 4500Borg & part NH3 &	Rayong
Total Uuspended Uolids Dried at 103&105 degree C	mg/L	8	5	23	≤200	Standard Methods -or the S)amination o- Water and Wastewater. APHA, AWWA x WSF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification o- the Industrial Sstate Authority o- Thailand No.02<2567 : Beneral Ustandards -or Wastewater drainage into central wastewater treatment systems in Industrial States.

Sampling By : Warunyo Chimpalee ทะเบียนเลขที่ ร823&80020 , Kardbundit Kitisupavanit ทะเบียนเลขที่ ร8204&80001

Remark :

- * LF D : Limit o- Detection
- * "G" : Lower than LF Q Limit o- Quantitation/ LF R Limit o- Reporting
- * Analyte & Emarked * is/are not included in scope o- Accreditation IUF /ISC 17025.
- * The laboratory has been accepted as an accredited laboratory complying with the IUF /ISC 17025.

Technical Management

Photchana S.

Photchana Ueada
Ucientist OIE
ทะเบียนเลขที่ ร823&8001

Approved by

D. Changchon

Dej Changchon
Uenior Manager
ทะเบียนเลขที่ ร823&8001

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Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
2034/115 26TH Fl. Italhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310

P/O :
Project Name : โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง
Project Location : WWTP



TESTING
No.0009

Lot ID: 24134713
Date Received : Dec 02, 2024
Date Reported : Dec 10, 2024
Report Number : 3187777-2

Page 1 of 2

Sample Number	24134713-1						
Sampled Date	Dec 02, 2024 11:30 AM						
Sample Description	Wastewater						
Location	Influent WWT						
Date Analysis Commenced	Dec 03, 2024						
Condition of Sample	Contained in two glass vials, one amber glass bottle, two BOD bottles and eight plastic bottles, 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	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
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 8	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	0.48	≤5.0	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	≤0.005	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	0.002	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Technical Management

Siriluk P.

Siriluk Bunnak
Section Head
ทะเบียนเลขที่ ว-204-ก-0013

Approved by

Kanokkorn Anek

Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ ว-204-ก-0004

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Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
2034/115 26TH Fl. Italhai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310

P/O :
Project Name : โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง
Project Location : WWTP



TESTING
No.0009

Lot ID: 24134713
Date Received : Dec 02, 2024
Date Reported : Dec 10, 2024
Report Number : 3187777-2

Page 2 of 2

Sample Number	24134713-1						
Sampled Date	Dec 02, 2024 11:30 AM						
Sample Description	Wastewater						
Location	Influent WWT						
Date Analysis Commenced	Dec 03, 2024						
Condition of Sample	Contained in two glass vials, one amber glass bottle, two BOD bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Zinc	mg/L	0.003	0.005	0.01	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Water Testing							
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 D	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.

Sampling By : Warunyo Chimpalee ทะเบียนเลขที่ ว-323-ก-0020 , Kardsundit Kitisupavanit ทะเบียนเลขที่ ว-204-ก-0001

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

Technical Management

Siriluk P.

Siriluk Bunnak
Section Head
ทะเบียนเลขที่ ว-204-ก-0013

Approved by

Kanokkorn Anek

Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ ว-204-ก-0004

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Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310

P/O :

Project Name : โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง

Project Location : WWTP



TESTING
No.0009

Lot ID: 24134713

date Received : v ec 02, 2024

date Reported : v ec 10, 2024

Report Number : 318777793

Page 1 of 2

Sample Number	2413471391
Sampled Date	v ec 02, 2024 11:30 AM
Sample Description	Wastewater
Location	In-fluent WWT
Date Analysis Commenced	v ec 02, 2024
Condition of Sample	Contained in two glass Dals, one amber glass bottle, two Br v bottles and eight plastic bottles, sample containers comply to pretreatment 9 preservation standards OPHA, (USPAC

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminium	mg/L	0.003	0.005	0.04	No Ustandard	Ustandard Methods -or the S)amination o- Water and Wastewater. APHA, AWWA x WSF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Iron	mg/L	0.003	0.005	0.73	B.10.0	Ustandard Methods -or the S)amination o- Water and Wastewater. APHA, AWWA x WSF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
UilDer	mg/L	0.0003	0.0005	Not v etected	B.1.0	Ustandard Methods -or the S)amination o- Water and Wastewater. APHA, AWWA x WSF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Water Testing							
Chloride as Cl ≤	mg/L	0.5	1	40	No Ustandard	Ustandard Methods -or the S)amination o- Water and Wastewater. APHA, AWWA x WSF, 24th ed., 2023, part 45009 Cl & E	Rayong
Conductivity at 25 vegree C ≤	micromhos/cm	9	0.5	544	No Ustandard	Ustandard Methods -or the S)amination o- Water and Wastewater. APHA, AWWA x WSF, 24th ed., 2023, part 2510 B	Rayong
vissolved f)ygen ≤	mg/L	9	0.1	2.8	No Ustandard	Ustandard Methods -or the S)amination o- Water and Wastewater. APHA, AWWA x WSF, 24th ed., 2023, part 45009 Cl & E	Rayong
Flow rate ≤	m3/s	9	9	0.0*3	No Ustandard	Flow meter	Rayong
Fluoride as F ≤	mg/L	0.06	0.2	<0.2	B.5	Ustandard Methods -or the S)amination o- Water and Wastewater. APHA, AWWA x WSF, 24th ed., 2023, part 45009 Cl & E	Rayong

Guideline : Noti-ication o- the Industrial Sstate Authority o- Thailand No.02*/2567 : General Ustandards -or Wastewater drainage into central wastewater treatment systems in Industrial SStates.

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Approved by

Savitree N.

Uawitree Nolsangiam
Manager

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Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310

P/O :

Project Name : โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง

Project Location : WWTP



TESTING
No.0009

Lot ID: 24134713

date Received : v ec 02, 2024

date Reported : v ec 10, 2024

Report Number : 318777793

Page 2 of 2

Sampling By : Warunyoo Chimphalee , Kardbundit KitisupaDanit

Remark :

- Lf v : Limit o- v etection
- "<" : Lower than Lf Q Limit o- QuantitationE/ Lf R Limit o- ReportingE
- AnalyteQEmarked s is/are not included in scope o- Accreditation IUF /ISC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the IUF /ISC 17025.

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Approved by

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Uawitree Nolsangiam
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บ่อกักน้ำทิ้ง (Effluent WWT)



Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang,
Bangkok Thailand 10310

P/O :

Project Name : โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง

Project Location : WWTP



TESTING

No.0042

Lot ID: 2470861

Date Received : Jul 01, 2024

Date Reported : Jul 08, 2024

Report Number : 3048780-1

Page 1 of 2

Sample Number	2470861-2							
Sampled Date	Jul 01, 2024 2:35 PM							
Sample Description	Wastewater							
Location	Effluent WWT							
Date Analysis Commenced	Jul 01, 2024							
Condition of Sample	Contained in two BOD bottles, one amber glass bottle, two glass vials and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	≤16	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	58	≤120	≤120	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Cyanide as CN	mg/L	0.001	0.005	<0.005	≤0.2	≤0.2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-CN (C, E)	Rayong
Formaldehyde	mg/L	0.03	0.1	Not Detected	≤1	≤1	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed., 2004	Rayong
pH at 25 degree C	-	-	-	9.6	5.5-9.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Phenol	mg/L	0.005	0.01	Not Detected	≤1	≤1	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1	≤1	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Rayong
Sulfide *	mg/L	-	0.5	<0.5	≤1.0	≤1.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-S2 (C, F)	Rayong

Technical Management

Photchana S.

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ร-323-จ-9446

Approved by

D. Chuan

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ร-323-จ-9442

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Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang,
Bangkok Thailand 10310

P/O :

Project Name : โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง

Project Location : WWTP



TESTING

No.0042

Lot ID: 2470861

Date Received : Jul 01, 2024

Date Reported : Jul 08, 2024

Report Number : 3048780-1

Page 2 of 2

Sample Number	2470861-2							
Sampled Date	Jul 01, 2024 2:35 PM							
Sample Description	Wastewater							
Location	Effluent WWT							
Date Analysis Commenced	Jul 01, 2024							
Condition of Sample	Contained in two BOD bottles, one amber glass bottle, two glass vials and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Temperature *	Degree C	-	-	33.6	≤40	≤40	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	186	≤3000	≤2500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	7.1	≤100	≤100	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	26	≤50	≤50	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Guideline : Guideline (1) : 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).
Guideline (2) : Standard of Rojana Industrial park (Laem Chabang), Criteria of effluent discharging from central wastewater treatment plant.

Sampling By : Narunat thammassaro ทะเบียนเลขที่ ร-323-จ-9477 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ร-204-จ-0002

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

Technical Management

Photchana S.

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ร-323-จ-9446

Approved by

D. Chuan

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ร-323-จ-9442

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Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
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Bangkok Thailand 10310

P/O :
Project Name : โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง
Project Location : WWTP



TESTING
No.0009

Lot ID: 2470861
Date Received : Jul 01, 2024
Date Reported : Jul 08, 2024
Report Number : 3048780-2

Page 1 of 2

Sample Number	2470861-2
Sampled Date	Jul 01, 2024 2:35 PM
Sample Description	Wastewater
Location	Effluent WWT
Date Analysis Commenced	Jul 02, 2024
Condition of Sample	Contained in two BOD bottles, one amber glass bottle, two glass vials and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Aluminium	mg/L	0.003	0.005	0.008	≤5	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Arsenic	mg/L	0.0003	0.0005	0.003	≤0.25	≤0.25	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	≤0.03	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	<0.0005	≤2.0	≤2.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	≤0.25	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
Lead	mg/L	0.0003	0.0005	Not Detected	≤0.2	≤0.2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.21	≤5.0	≤5.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3112	Bangkok

Technical Management

Savitree N.
Savitree Noisangiam
Manager
ทะเบียนเลขที่ ว-204-ก-0007

Approved by

Kanokorn Anek
Kanokorn Anek
Assistant General Manager
ทะเบียนเลขที่ ว-204-ก-0004

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Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang,
Bangkok Thailand 10310

P/O :
Project Name : โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง
Project Location : WWTP



TESTING
No.0009

Lot ID: 2470861
Date Received : Jul 01, 2024
Date Reported : Jul 08, 2024
Report Number : 3048780-2

Page 2 of 2

Sample Number	2470861-2
Sampled Date	Jul 01, 2024 2:35 PM
Sample Description	Wastewater
Location	Effluent WWT
Date Analysis Commenced	Jul 02, 2024
Condition of Sample	Contained in two BOD bottles, one amber glass bottle, two glass vials and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Nickel	mg/L	0.0003	0.0005	0.0008	≤1.0	≤1.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.006	≤5.0	≤5.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing								
Oil & Grease *	mg/L	-	3	<3	≤5	≤5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

Guideline : Guideline (1) : 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).
Guideline (2) : Standard of Rojana Industrial park (Laem Chabang), Criteria of effluent discharging from central wastewater treatment plant.

Sampling By : Narunat thammassaro ทะเบียนเลขที่ ว-323-ก-9477 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-ก-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.
- * The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Savitree N.
Savitree Noisangiam
Manager
ทะเบียนเลขที่ ว-204-ก-0007

Approved by

Kanokorn Anek
Kanokorn Anek
Assistant General Manager
ทะเบียนเลขที่ ว-204-ก-0004

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Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
2034/115 26TH Fl, 11th Floor, New Petchburi Road, Bangkok, Huaykwang,
Bangkok Thailand 10310

P/O :

Project Name : โครงการนิคมอุตสาหกรรมโรจนาแถมฉบับ

Project Location : WWTP



TESTING

No.0009

Lot ID: 2470861

Date Received : Jul 01, 2024

Date Reported : Jul 08, 2024

Report Number : 3048780-3

Page 1 of 1

Sample Number	2470861-2
Sampled Date	Jul 01, 2024 2:35 PM
Sample Description	Wastewater
Location	Effluent WWTP
Date Analysis Commenced	Jul 01, 2024
Condition of Sample	Contained in two BOD bottles, one amber glass bottle, two glass vials and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Iron	mg/L	0.003	0.005	0.06	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing								
Chloride as Cl *	mg/L	0.5	1	24	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (D)	Rayong
Conductivity at 25 Degree C * micromhos/cm	-		0.5	246	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Rayong
Dissolved Oxygen *	mg/L	-	0.1	9.2	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	No Velocity	No Standard	No Standard	Flow meter	Rayong
Fluoride as F *	mg/L	0.06	0.2	<0.2	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-F (D)	Rayong

Guideline : Guideline (1) : 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).
Guideline (2) : Standard of Rojana Industrial park (Laem Chabang), Criteria of effluent discharging from central wastewater treatment plant.

Sampling By : Narunat thammassaro , Pattarapol Sawangjaitam

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

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Approved by

Savitree N.

Savitree Naisangiam
Manager

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Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
1082/NN5 16TH Fl, 11th Floor, mew PetChj Jri Roav, Banukapi, HJaykwanu,
Banukok Thailand 10810

P/O :

Project Name : โครงการนิคมอุตสาหกรรมโรจนาแถมฉบับ

Project Location : WWTP



TESTING

No.0042

Lot ID: 2486573

Date Received : Jul 01, 2024

Date Reported : Jul 08, 2024

Report Number : 48037331-N

Page 1 of 1

Sample Number	1276538-1
Sampled Date	Jul 01, 2024 14:07 Pg
Sample Description	Wastewater
Location	Effluent WWTP
Date Analysis Commenced	Jul 01, 2024
Condition of Sample	Contained in two glass vials, one amber glass bottle, two BOD bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
BOD (5 days at 20 : euee C)	mg/L	-	1.0	7.5	≤10	≤N5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 18th ed., 1995, part 5110 B, part 2500 - O G	Rayong
CO ₂	mg/L	N5	15	87	≤N10	≤N10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 18th ed., 1995, part 5110 :	Rayong
Cyanide as Cn	mg/L	0.00N	0.005	<0.005	≤0.1	≤0.1	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 18th ed., 1995, part 2500-Cm (C, E)	Rayong
Formaldehyde	mg/L	0.08	0.1N	not detected	≤N	≤N	Wastewater analysis by analytical, Environmental Engineering Association of Thailand, 2th ed., 1992	Rayong
pH at 25 degree C	-	-	-	3.1	5.5-8.0	5.5-8.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 18th ed., 1995, part 2500 - H (B)	Rayong
Phenol	mg/L	0.005	0.0N	not detected	≤N	≤N	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 18th ed., 1995, part 5580 :	Rayong
Residual Free Chlorine	mg/L	-	0.1N	<0.1N	≤N	≤N	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 18th ed., 1995, part 2500-Cl (F)	Rayong
Sulfide	mg/L	-	0.5	<0.5	≤N0	≤N0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 18th ed., 1995, part 2500-S1 (C, F)	Rayong

Technical Management

Chontichak

Chonticha Sjunokoch
SDentist (B)
ทะเบียนเลขที่ 7-818-3-d22d

Approved by

Chanon

Chanon Chanon
Senior Engineer
ทะเบียนเลขที่ 7-818-3-d221

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Analysis / Test Report

Client 4Rojana MvJstrial g anaueb ent Co., Ltd.

1082/NN5 16TH Fl. Malthai Tower, mew PetDj Jri Roav, Banukapi, HJaykwanu,
Banukok Thailand N08ND

P/O :

Project Name 4โครงการนิคมอุตสาหกรรมโรจนะแฟลมเจนท์

Project Location 4WWTP



TESTING

No.0042

Lot ID: 2486573

: ate ReDeicev 4AJU 01, 1012

: ate Reportev 4AJU 0d, 1012

Report mumber 48037331-N

Page 1 of 1

Sample Number	1276538-1							
Sampled Date	AJu 01, 1012 14:07 Pg							
Sample Description	Wastewater							
Location	Effluent WWT							
Date Analysis Commenced	AJu 01, 1012							
Condition of Sample	Containev in two glass cials, one ab j er glass j ottle, two BO: j ottles anv eluht plastiDj ottle, sab ple Containers Ddb ply to pretreatb ent - preseration stanvarvs (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Teb perat're 9	: euee C	-	-	80,7	≤20	≤20	Stanvarv g ethovs for the Exab ination of Water anv Wastewater. APHA, AWWA & WEF, 18rv ev., 10NB, part 1550 B	Rayonu
Total : issolve Solivs : riev at b u/L N70 ueeue C		-	5	1d1	≤8000	≤1500	Stanvarv g ethovs for the Exab ination of Water anv Wastewater. APHA, AWWA & WEF, 18rv ev., 10NB, part 1520 C	Rayonu
Total _elvaht nitrouen as m b u/L		-	N.0	1.1	≤N00	≤N00	Stanvarv g ethovs for the Exab ination of Water anv Wastewater. APHA, AWWA & WEF, 18rv ev., 10NB, part 2500-moru (C), part nH8 (:)	Rayonu
Total S3spenvev Solivs : riev at N08-N05 ueeue C	b u/L	-	5	6	≤50	≤50	Stanvarv g ethovs for the Exab ination of Water anv Wastewater. APHA, AWWA & WEF, 18rv ev., 10NB, part 1520 :	Rayonu

Guideline : GJiveline (N) 4Effluent stanvarv for faDories, invJstrial estate anv invJstrial park set j y motification of the g inistry of mElJral ResoJrd: anv Encironb ent anv effluent stanvarv for faDories anv invJstrial park set j y motification of The g inistry of MvJstry vatev JNe 03, B.E.1560 (10NB). GJiveline (1) 4Stanvarv of Rojana MvJstrial park (Laeb Chaj anu), Criteria of effluent visDaruinu frob Dentr al wastewater treatb ent plant.

Sampling By : ChainJ sorn LertnanthakJ nDhal ทรนณนเดช 7-818-จ-d26N

Reb ark 4

- LO: 4Lib it of : eteDion
- "c" 4Lower than LOQ (Lib it of QJantitation) / LOR (Lib it of Reportnu)
- Analyte(s) b arkev 9 is/are not inDJvev in sDape of ADDeviation MO/NEC N0015,
- The laj oratory has j een aDDeviev as an aDDevitev laj oratory Ddb plyinu with the MO/NEC N0015.

Technical Management

Chontichak

ChontiCha SJJ onukoDh
SDentist (B)
โทรเบยนเลขที่ 7-818-จ-d22d

Approved by

D. ChanuChon

: el ChanuChon
Senior g anauev
โทรเบยนเลขที่ 7-818-จ-d221

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Analysis / Test Report

Client 4Rojana InvJstrial Manauement goC . tvc

1082/LL5 16TH Fl. CICTalkhai Tower, New PetDjbJ ri Roav, Banukapi, HJaykwanu,
Banukok Thailand N08LO

P/O :

Project Name 4โครงการนิคมอุตสาหกรรมโรจนะแฟลมเจนท์

Project Location 4WWTP



TESTING

No.0009

Lot ID: 2486573

: ate ReDeicev 4AJU 01, 1012

: ate Reportev 4AJU 0d, 1012

Report Nj mber 48037331-1

Page 1 of 1

Sample Number	1276538-1							
Sampled Date	AJu 01, 1012 14.7 PM							
Sample Description	Wastewater							
Location	Effluent WWT							
Date Analysis Commenced	AJu 05, 1012							
Condition of Sample	containers in two glass cials, one amber glass bottle, two BO: bottles anv eluht plastiD bottle, sample Containers Comply to pretreatment - preservation stanvarvs (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
ArsenID	mu/.	00008	00005	00008	≤0Q5	≤0Q5	Stanvarv Methovs for the Examination of Water anv WastewaterCAPHA, AWWA & WEF, 18rv evC 10L3, part 8L15 B, 8080 F	Banukok
gavmiDm	mu/.	00008	00005	Not : eteDev	≤0Q8	≤0Q8	Stanvarv Methovs for the Examination of Water anv WastewaterCAPHA, AWWA & WEF, 18rv evC 10L3, part 8L15 B, 8080 F	Banukok
gopper	mu/.	00008	00005	00006	≤1Q	≤1Q	Stanvarv Methovs for the Examination of Water anv WastewaterCAPHA, AWWA & WEF, 18rv evC 10L3, part 8L15 B, 8080 F	Banukok
Hexacalent ghromiDm	mu/.	00008	00005	Not : eteDev	≤0Q5	≤0Q5	Stanvarv Methovs for the Examination of Water anv WastewaterCAPHA, AWWA & WEF, 18rv evC 10L3, part 8L15 B, 8080 F	Banukok
Leav	mu/.	00008	00005	Not : eteDev	≤0Q	≤0Q	Stanvarv Methovs for the Examination of Water anv WastewaterCAPHA, AWWA & WEF, 18rv evC 10L3, part 8L15 B, 8080 F	Banukok
Manuanese	mu/.	00008	00005	00001	≤5Q	≤5Q	Stanvarv Methovs for the Examination of Water anv WastewaterCAPHA, AWWA & WEF, 18rv evC 10L3, part 8L15 B, 8080 F	Banukok
MerDjry <	mu/.	0000L	00005	Not : eteDev	≤0005	≤0005	Stanvarv Methovs for the Examination of Water anv WastewaterCAPHA, AWWA & WEF, 18rv evC 10L3, part 8L11	Banukok
NiKel	mu/.	00008	00005	0000d	≤LQ	≤LQ	Stanvarv Methovs for the Examination of Water anv WastewaterCAPHA, AWWA & WEF, 18rv evC 10L3, part 8L15 B, 8080 F	Banukok

Technical Management

Chamatt L.

ghanattauarn ImDiom
SeDion Heav
โทรเบยนเลขที่ 7-102-จ-0007

Approved by

Kanokkorn Anek

Kanokkorn Anek
Assistant General Manuev
โทรเบยนเลขที่ 7-102-จ-0002

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Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
1082/LL5 16TH FICITAI Tower, New Petchburi Road, Bangkok, Thailand 10310

P/O :

Project Name : โครงการนิคมอุตสาหกรรมโรงงานแหลมฉบัง

Project Location : WWTP



TESTING
No.0009

Lot ID: 2486573

: ate ReDeicev 4AJ u 01, 1012

: ate Reportev 4AJ u 0d, 1012

Report Number 48037331-1

Page 1 of 1

Sample Number	1276538-1
Sampled Date	AJ u 01, 1012 14:7 PM
Sample Description	Wastewater
Location	Effluent WWTP
Date Analysis Commenced	AJ u 05, 1012
Condition of Sample	containe in two glass cials, one amber glass bottle, two BO: bottles anv eiht plastID bottle, sample Containers Comply to pretreatment - presercation stanvarvs (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
9inD	mu/.	0008	0005	0010	≤50	≤50	Stanvarv Methods for the Examination of Water anv WastewaterCAPHA, AWWA & WEF, 18rv evC 10L3, part 8L15 B, 8080 F	Banukok
Water Testing								
Oil & Grease <	mu/.	-	8	28	≤5	≤5	Stanvarv Methods for the Examination of Water anv WastewaterCAPHA, AWWA & WEF, 18rv evC 10L3, part 5510 :	Banukok

Guideline : GJ iveline (L) 4Effluent stanvarv for factories, invJstrial estate anv invJstrial park set by Notification of the Ministry of NatJral ResoJrDe anv Encironment anv effJient stanvarv for factories anv invJstrial park set by Notification of The Ministry of InvJstry vatev *Jne 03, BEEQ560 (10L3)C GJ iveline (1) 4Stanvarv of Rojana InvJstrial park (.aem ghabanu), griteria of effJient visCharuini from Central wastewater treatment plantC

Sampling By : ghainJorn . ertnanthakJnchai พระนิพนธ์ เลขที่ 7-818-จ-0261 , Samart KhJmphlee พระนิพนธ์ เลขที่ 7-102-จ-0072

Remark 4

- „O: 4, limit of : eleQion
- „Z“ 4, over than „OQ (limit of QJantitation) / „OR (limit of Reportuiv)
- Analyte(s) markev <is/are not invJvev in scope of Accreditation ISO/IEG L3015C
- The laboratory has been accJptev as an accJrvitev laboratory Complyinu with the ISO/IEG L3015C

Technical Management

Chanatt L.

ghanattagarn ImChom
Section Head
พระนิพนธ์ เลขที่ 7-102-จ-0007

Approved by

Kanokkorn Anek

Kanokkorn Anek
Assistant General Manauerv
พระนิพนธ์ เลขที่ 7-102-จ-0002

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Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
2034/115 26TH Fl. Italtai Tower, New Petchburi Road, Bangkok, Thailand 10310

P/O :

Project Name : โครงการนิคมอุตสาหกรรมโรงงานแหลมฉบัง

Project Location : WWTP



TESTING
No.0009

Lot ID: 2486573

Date Received : Aug 02, 2024

Date Reported : Aug 09, 2024

Report Number : 3078772-3

Page 1 of 2

Sample Number	2486573-2
Sampled Date	Aug 02, 2024 2:18 PM
Sample Description	Wastewater
Location	Effluent WWTP
Date Analysis Commenced	Aug 02, 2024
Condition of Sample	Contained in two glass vials, one amber glass bottle, two BOD bottles and eight plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Aluminium	mg/L	0.003	0.005	0.03	≤5	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Iron	mg/L	0.003	0.005	0.13	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing								
Chloride as Cl *	mg/L	0.5	1	49	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (D)	Rayong
Conductivity at 25 Degree C * micromhos/cm	-	-	0.5	388	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Rayong
Dissolved Oxygen *	mg/L	-	0.1	4.7	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	No Velocity	No Standard	No Standard	Flow meter	Rayong
Fluoride as F *	mg/L	0.06	0.2	<0.2	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-F (D)	Rayong

Guideline : Guideline (1) : 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).
Guideline (2) : Standard of Rojana Industrial park (Laem Chabang), Criteria of effluent discharging from central wastewater treatment plant.

Approved by

Chanatt L.

Chanattagarn ImChom
Section Head

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Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang,
Bangkok Thailand 10310

P/O :
Project Name : โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง
Project Location : WWTP



TESTING
No.0009
Lot ID: 2486573
Date Received : Aug 02, 2024
Date Reported : Aug 09, 2024
Report Number : 3078772-3

Page 2 of 2

Sampling By : Chalusorn Lertnathakunchai , 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.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.



Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang,
Bangkok Thailand 10310

P/O :
Project Name : โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง
Project Location : WWTP



TESTING
No.0042
Lot ID: 2498316
Date Received : Sep 03, 2024
Date Reported : Sep 24, 2024
Report Number : 3106555-1 Rev. No.1

Page 1 of 2

Sample Number	2498316-2							
Sampled Date	Sep 03, 2024 2:26 PM							
Sample Description	Wastewater							
Location	Effluent WWT							
Date Analysis Commenced	Sep 03, 2024							
Condition of Sample	Contained in two BOD bottles, one amber glass bottle, two glass vials and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	≤16	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤120	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Cyanide as CN	mg/L	0.001	0.005	<0.005	≤0.2	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-CN (C, E)	Rayong
Formaldehyde	mg/L	0.03	0.1	Not Detected	≤1	≤1	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed., 2004	Rayong
pH at 25 degree C		-	-	7.7	5.5-9.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Phenol	mg/L	0.005	0.01	Not Detected	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Rayong
Sulfide *	mg/L	-	0.5	<0.5	≤1.0	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-S2 (C, F)	Rayong

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Approved by

Chanatt L.

Chanattagarn Imchom
Section Head

Technical Management

Photchana S.

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Chongchon

Dej Chongchon
Senior Manager
ทะเบียนเลขที่ ว-323-ก-0001

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Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
2034/115 26TH Fl. Italtai Tower, New Petchburi Road, Bangkok, Huaykwang,
Bangkok Thailand 10310

P/O :

Project Name : โครงการนิคมอุตสาหกรรมโรงงานแห่งใหม่

Project Location : WWTP



TESTING
No.0042

Lot ID: 2498316

Date Received : Sep 03, 2024

Date Reported : Sep 24, 2024

Report Number : 3106555-1 Rev. No.1

Page 2 of 2

Sample Number	2498316-2
Sampled Date	Sep 03, 2024 2:26 PM
Sample Description	Wastewater
Location	Effluent WWTP
Date Analysis Commenced	Sep 03, 2024
Condition of Sample	Contained in two BOD bottles, one amber glass bottle, two glass vials and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Temperature *	Degree C	-	-	30.2	≤40	≤40	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	252	≤3000	≤2500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	5.7	≤100	≤100	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	≤50	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Guideline : Guideline (1) : 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).
Guideline (2) : Standard of Rojana Industrial park (Laem Chabang), Criteria of effluent discharging from central wastewater treatment plant.

Note : This Analysis test report is reissued to supersede report No.3106555-1, Date Reported : Sep 10, 2024 due to revise guideline/specification

Sampling By : Wasan Kinunti ทะเบียนเลขที่ ว-323-ว-0019, Kardbundit Kitisupavanit ทะเบียนเลขที่ ว-204-ว-0001

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

Technical Management

Photchana S.

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-ว-0028

Approved by

D. Chuan

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ว-0001

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Analysis / Test Report

Client 4Rojana Industrial Management Co., Ltd. - o-11lv-
u02/dd3, 8T5 6I-Malt-Hai ToF er1NeF hetD-j mri Roav1.vanCPapi1.5 nayPF anC1
vanCPoP THailanv du0du

P/O :

Project Name : โครงการนิคมอุตสาหกรรมโรงงานแห่งใหม่

Project Location : ณ Th



TESTING
No.0009

Lot ID: 2498316

Date Received : Sep 03, 2024

Date Reported : Sep 24, 2024

Report Number : 3106555-1 Rev. No.1

Page 2 of 2

Sample Number	2498316-2
Sampled Date	Sep 03, 2024 2:26 PM
Sample Description	Wastewater
Location	Effluent WWTP
Date Analysis Commenced	Sep 03, 2024
Condition of Sample	Contained in two BOD bottles, one amber glass bottle, two glass vials and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
ArsenID	b C/L	u-uuu0	u-uuu3	u-uu0	≤u-, 3	≤u-, 3	Jtanvarv getHovs" or the E)ab ination 6" u ater anv n asteF ater- AhS A1Au n A x u E6: , Drv ev-1, ud&l part 0d, 3 w10u0u 6	vanCPoP
avb imb	b C/L	u-uuu0	u-uuu3	Not : eteDev	≤u-u0	≤u-u0	Jtanvarv getHovs" or the E)ab ination 6" u ater anv n asteF ater- AhS A1Au n A x u E6: , Drv ev-1, ud&l part 0d, 3 w10u0u 6	vanCPoP
opper	b C/L	u-uuu0	u-uuu3	u-uuu&	≤-, u	≤-, u	Jtanvarv getHovs" or the E)ab ination 6" u ater anv n asteF ater- AhS A1Au n A x u E6: , Drv ev-1, ud&l part 0d, 3 w10u0u 6	vanCPoP
5e)acalent , Hrob imb	b C/L	u-uu0	u-ud	Not : eteDev	≤u-, 3	≤u-, 3	Jtanvarv getHovs" or the E)ab ination 6" u ater anv n asteF ater- AhS A1Au n A x u E6: , Drv ev-1, ud&l part 0d, 3 w10u0u 6	vanCPoP
Leav	b C/L	u-uuu0	u-uuu3	Not : eteDev	≤u-,	≤u-,	Jtanvarv getHovs" or the E)ab ination 6" u ater anv n asteF ater- AhS A1Au n A x u E6: , Drv ev-1, ud&l part 0d, 3 w10u0u 6	vanCPoP
ganCanese	b C/L	u-uuu0	u-uuu3	u-uf	≤3-u	≤3-u	Jtanvarv getHovs" or the E)ab ination 6" u ater anv n asteF ater- AhS A1Au n A x u E6: , Drv ev-1, ud&l part 0d, 3 w10u0u 6	vanCPoP
gerDry <	b C/L	u-uuud	u-uuu3	Not : eteDev	≤u-uu3	≤u-uu3	Jtanvarv getHovs" or the E)ab ination 6" u ater anv n asteF ater- AhS A1Au n A x u E6: , Drv ev-1, ud&l part 0d, 3 w10u0u 6	vanCPoP
NIDPel	b C/L	u-uuu0	u-uuu3	u-uuud	≤d-u	≤d-u	Jtanvarv getHovs" or the E)ab ination 6" u ater anv n asteF ater- AhS A1Au n A x u E6: , Drv ev-1, ud&l part 0d, 3 w10u0u 6	vanCPoP

Technical Management

Chanatt L.

Chanattarn N. Gobb
Jelolon 5 eav
ทะเบียนเลขที่ ว-323-ว-0001

Approved by

Kano P. Anep

Kano P. Anep
Assistant General g anaCer
ทะเบียนเลขที่ ว-323-ว-0002

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Analysis / Test Report

Client: 4RoJana Mvnmtrial g anaCeb ent . o-1Ltv-
u02/dd3 , 8T5 6l- MaltHai ToF er1NeF hetchj mri Roav1vanCPap15rayPF anC1
vanCPoP THailanv du0du

P/O :
Project Name : 48k โศก จักกัณ ฐ จดรว ำบ ำลวคดะ บลล
Project Location : 4u น Th

Sample Number : 2Wf0d87,
Sampled Date : Jep u01, u, 2 , 4 8 hg
Sample Description : u asteF ater
Location : E" lment u น T
Date Analysis Commenced : Jep u21, u, 2
Condition of Sample : untalnev in tFo wO: j ottles1one ab j er Class j ottle1tFo o Class cials anv eiChT plastiDj ottles1sab ple Containers Dob ply to pretreatb ent 7presercation stanvarv (Ah5A1UJEHAS

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
9InD	b C/L	u-u0	u-u03	u-u08	≤3-u	≤3-u	Jtanvarv g ethbvs" or the E)ab ination 6" u ater anv u asteF ater- Ah5A1Au u A x u E6; , Orv ev-1, ud81part 0d, 3 w10u0u 6	vanCPoP
v ater Testing								
Oil x Grease <	b C/L	7	0	20	≤3	≤3	Jtanvarv g ethbvs" or the E)ab ination 6" u ater anv u asteF ater- Ah5A1Au u A x u E6; , Orv ev-1, ud81part 33, u :	vanCPoP

Guideline : Griveline (d54E" lment stanvarv" or" aDories1nvmtrial estate anv invmtrial parP set j y Noñ lDation 6" the g inistry 6" Natmal ResomDe anv Encronb ent anv 6" lment stanvarv" or" aDories anv invmtrial parP set j y Noñ lDation 6" The g inistry 6" Mvnmtry vatev "me u81wE-, 38u (, ud85- Griveline (, S4Jtanvarv 6" RoJana Mvnmtrial parP (Laeb . Haj anCS1, riteria 6" 6" lment visDharCinC" rob . Central FasteF ater treatb ent plant-

Note : THs Analysis test report is reissnev to smperseve report No-0du83337, 1: ate Reportev 4Jep du1, u, 2 vme to recise Griveline/speD lDation

Sampling By : u asan Kinnmtl ทนลลนดะ ษล 70, 0787uudW1Karvj nmvt Kitismpacanik ทนลลนดะ ษล 70, u2787uud

Reb arP 4

- * LO: 4Lib it 6" : eteDion
- * "Z" 4LoF er than LOQ (Lib it 6" Qmenitation5/ LOR (Lib it 6" ReportinCS
- * Analyte(s) b arpev < is/are not inDmnev in sDape 6" ADrevitation M0/NE. d8u, 3-
- * The laj oratory Has j een aDzeplev as an aDzevitev laj oratory Dob plyinC F iH the M0/NE. d8u, 3-

Technical Management

Chanatt L.

LHanatta, arm N6 Chbb
Jedion Seav
ทนลลนดะ ษล 70, u2787uud

Approved by

KanoPPorn AneP

KanoPPorn AneP
Assistant General g anaCer
ทนลลนดะ ษล 70, u2787uud

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TESTING
No.0009

Lot ID: 2498316

: ate ReDeicev 4Jep u01, u, 2
: ate Reportev 4Jep , 21, u, 2
Report Nrb j er 40du83337, Rec- No-d



Analysis / Test Report

Client : RoJana Mdmtrial Cana. eb ent Lo-21td-
g04/997 , 3T5 6l- MaltHai ToF er2NeF hetchj mri Road2wan. Papi25rayPF an. 2
van. PoP THailand 9g09g

P/O :
Project Name : 8k โศก จักกัณ ฐ จดรว ำบ ำลวคดะ บลล
Project Location : น น Th

Sample Number : 4Wf093g
Sampled Date : uep g02, g, 4 , , 3 hC
Sample Description : u asteF ater
Location : E" lment u น T
Date Analysis Commenced : uep g02, g, 4
Condition of Sample : Lontained in tFo wOD j ottles2one ab j er . lass j ottle2tFo o . lass vials and ei. Ht plastic j ottles2sab ple containers cob ply to pretreatb ent 8preservation standards (Ah5A2UJEHAS

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Alnb ininb	b . /1	g-gg0	g-gg7	g-g,	≤7	No utandard	utandard CetHbds" or the E)ab ination 6" u ater and u asteF ater- Ah5A2Au u A x u E6; , Ord ed-2, g982part 09, 7 w20g0g 6	van, PoP
Mon	b . /1	g-gg0	g-gg7	g-9,	No utandard	No utandard	utandard CetHbds" or the E)ab ination 6" u ater and u asteF ater- Ah5A2Au u A x u E6; , Ord ed-2, g982part 09, 7 w20g0g 6	van, PoP
uilver	b . /1	g-ggg0	g-ggg7	Not Detected	No utandard	No utandard	utandard CetHbds" or the E)ab ination 6" u ater and u asteF ater- Ah5A2Au u A x u E6; , Ord ed-2, g982part 09, 7 w20g0g 6	van, PoP
Water Testing								
LHloride as LI *	b . /1	g-7	9	07	No utandard	No utandard	utandard CetHbds" or the E)ab ination 6" u ater and u asteF ater- Ah5A2Au u A x u E6; , Ord ed-2, g982part 47gg0, 1 (DS	Rayon.
Londntivity at , 7 De. rea L *	b . /1	g-7	08,	08,	No utandard	No utandard	utandard CetHbds" or the E)ab ination 6" u ater and u asteF ater- Ah5A2Au u A x u E6; , Ord ed-2, g982part , 79g w	Rayon.
Dissolved O)y. en *	b . /1	8	g-9	7-9	No utandard	No utandard	utandard CetHbds" or the E)ab ination 6" u ater and u asteF ater- Ah5A2Au u A x u E6; , Ord ed-2, g982part 47gg0 (LS	Rayon.
6loF rate *	b 0/s	8	8	No Velocity	No utandard	No utandard	6loF b eter	Rayon.
6lmride as 6 *	b . /1	g-g3	g-	<g-	No utandard	No utandard	utandard CetHbds" or the E)ab ination 6" u ater and u asteF ater- Ah5A2Au u A x u E6; , Ord ed-2, g982part 47gg0 (DS	Rayon.

Guideline : Guideline (95: E" lment standard" or" aDories2ndmtrial estate and indmtrial parP set j y Noñ lDation 6" The g inistry 6" Natmal Resomce and Environb ent and 6" lment standard" or" aDories and indmtrial parP set j y Noñ lDation 6" The g inistry 6" Mvnmtry dated Jme g82wE-, 73g (, g985- Guideline (, S: utandard 6" RoJana Mdmtrial parP (Laeb L iBj an. 52L riteria 6" 6" lment dischr. in. " rob . central FasteF ater treatb ent plant-

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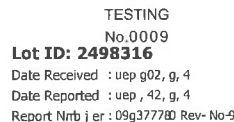
g982M0d/ EqA8

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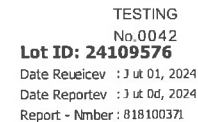


P/O :
Project Name : Bk โครงงาน ๓ งดร โปธิสภาคณะบแลด
Project Location : บม Th



Analysis / Test Report

P/O :
Project Name : โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง
Project Location : WWTP



- 10D : 1lb it δ Detection
- "<" : 1oFer than 10Q (1lb it δ Qmantisat5/ 10R (1lb it δ Reportin, S
- Analyt5s b arPd "5" is/are not included in scope δ Accreditation M0/MEL 98q, 7-
- The laboratory has been accepted as an accredited laboratory cob plyn, Fith the M0/MEL 98q, 7-

Sample Number	2410E5d672							
Sampled Date	J ul 01, 2024 10:00 AM							
Sample Description	Wastewater							
Location	Offluent WWT							
Date Analysis Commenced	J ul 01, 2024							
Condition of Sample	Containers in two glass cials, three amber glass bottles, two BJ D bottles and eight plastu bottles, sample containers comply to pretreatment 7 preservation stanvarvs (APHA, USCPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
BJ D (5 vays at 20 Degree C)	mg/L	7	2.0	<2.0	≤20	≤16	Stanvarv Methods for the Examination of Water and Wastewater. APHA, AWWA & WOF, 24th ev., 2028, part 5210 B, part 4500 7 J G	Rayong
CJ D	mg/L	1.5	25	<25	≤120	≤120	Stanvarv Methods for the Examination of Water and Wastewater. APHA, AWWA & WOF, 24th ev., 2028, part 5220 D	Rayong
Cyanive as C-	mg/L	0.001	0.005	<0.005	≤0.2	≤0.2	Stanvarv Methods for the Examination of Water and Wastewater. APHA, AWWA & WOF, 24th ev., 2028, part 4500XC- (C, O)	Rayong
Formalvehyve	mg/L	0.08	0.1	<0.1	≤1	≤1	Wastewater analysis manual, Chironmental Engineering Association of Thailand, 4th ev., 2004	Rayong
pH at 25 vegree C		7	7	d.2	5.57E.0	5.57E.0	Stanvarv Methods for the Examination of Water and Wastewater. APHA, AWWA & WOF, 24th ev., 2028, part 4500 7H (B)	Rayong
Phenol	mg/L	0.005	0.01	- ot Detectev	≤1	≤1	Stanvarv Methods for the Examination of Water and Wastewater. APHA, AWWA & WOF, 24th ev., 2028, part 5580 D	Rayong
ResivNal Free Chlorine 9	mg/L	7	0.1	<0.1	≤1	≤1	Stanvarv Methods for the Examination of Water and Wastewater. APHA, AWWA & WOF, 24th ev., 2028, part 4500XC1 (F)	Rayong
SMfive 9	mg/L	7	0.5	<0.5	≤1.0	≤1.0	Stanvarv Methods for the Examination of Water and Wastewater. APHA, AWWA & WOF, 24th ev., 2028, part 4500752 (C, F).	Rayong

LHanna, an Mchob
uection 5ead

Photuhana Seeva
Scientist (4)
ทะเบียนเลขที่ 1782870023

Dej Changuhon
Senior Manager
โทรศัพท์มือถือ ๐๘287๖0001

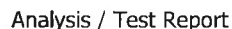
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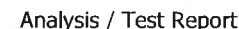
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Project Location : WWTP



Report - Number : 818100371



Project Location: " TW



Report 7-Nmer: 818100d32

Sampling By : - attawut Athomprommarat ทะเบียนเลขที่ ว8287๗0006 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว7047๗0002

- LQ D : Limit of Detection
- "<" : Lower than LQ Q (Limit of Quantitation) / LQ R (Limit of Reporting)
- Analyte(s) markerv 9 is/are not in the scope of Aureveitv Laboratory ISJ / ICC 1d025.
- The laboratory has been accepted as an aureveitv laboratory complying with the ISJ / ICC 1d025.

Dej Changuhon
Senior Manager
หมายเลข ๖8287๖0001

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Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Arsenii	N MY.	00008	0000L	00002	≤0QZL	≤0QZL	Stanvarv I etFovs Wlr tFe OxaNlnation oW ater anv ‘ asteheaterCav6A, K ~ A &~ OH 24tF evC 2028, part 812L P,8080 H	PanMBoB
gavN i-N	N MY.	00008	0000L	7ot Deteutev	≤0008	≤0008	Stanvarv I etFovs Wlr tFe OxaNlnation oW ater anv ‘ asteheaterCav6A, K ~ A &~ OH 24tF evC 2028, part 812L P,8080 H	PanMBoB
gopper	N MY.	00008	0000L	00001	≤20	≤20	Stanvarv I etFovs Wlr tFe OxaNlnation oW ater anv ‘ asteheaterCav6A, K ~ A &~ OH 24tF evC 2028, part 812L P,8080 H	PanMBoB
6exacalnt gFroN i-N	N MY.	0008	0001	7ot Deteutev	≤0QZL	≤0QZL	Stanvarv I etFovs Wlr tFe OxaNlnation oW ater anv ‘ asteheaterCav6A, K ~ A &~ OH 24tF evC 2028, part 812L P,8080 H	PanMBoB
.eav	N MY.	00008	0000L	7ot Deteutev	≤0QZ	≤0QZ	Stanvarv I etFovs Wlr tFe OxaNlnation oW ater anv ‘ asteheaterCav6A, K ~ A &~ OH 24tF evC 2028, part 812L P,8080 H	PanMBoB
I anManese	N MY.	00008	0000L	000E	≤L0	≤L0	Stanvarv I etFovs Wlr tFe OxaNlnation oW ater anv ‘ asteheaterCav6A, K ~ A &~ OH 24tF evC 2028, part 812L P,8080 H	PanMBoB
I eru-ry <	N MY.	00001	0000L	7ot Deteutev	≤0000L	≤0000L	Stanvarv I etFovs Wlr tFe OxaNlnation oW ater anv ‘ asteheaterCav6A, K ~ A &~ OH 24tF evC 2028, part 812L P,8080 H	PanMBoB
7luBel	N MY.	00008	0000L	0000f	≤10	≤10	Stanvarv I etFovs Wlr tFe OxaNlnation oW ater anv ‘ asteheaterCav6A, K ~ A &~ OH 24tF evC 2028, part 812L P,8080 H	PanMBoB

gFanattaMarn jN uFoN
Seution 6eav
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KanoBBorn AneB
Assistant General I anaMer
๒๕๓๖-๒๕๔๐ ๑๓๐๔๓ ๓๐๐๔

Results apply to the sample(s) as submitted, unless the sample has undergone any A5C70 part of the report may be reprinted in any form without the consent of the Laboratory. A5C70 Laboratory Group (TfL) strongly recommends that if the report is not reprinted in full.

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Analysis / Test Report

Client : Rolana jnv-strial I anaMeNent goC. tvC
2084/11L 25T6 HCJtalFai Toher, 7eh wetuFm-r Roav, PanMBapi, 6-ayBh anM
PanMBob TFallav 10810

P/O :

Project Name :โครงการพัฒนาระบบบำบัดน้ำเสีย

Project Location : TW

Sample Number	2410FLE532
Sampled Date	Oct 01, 2024 10:00 AM
Sample Description	Wastewater
Location	Effluent WWT
Date Analysis Commenced	Oct 02, 2024
Condition of Sample	Contained in two glass vials, three amber glass bottles, two BOD bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Silver	mg/L	0.0008	0.0008	7.0	7.0	7.0	Standard Methods for the Examination of Water and Wastewater, 24th ed., 2023, part 3125 B, 3030 F	Bangkok
Iron	mg/L	0.0008	0.0008	0.0008	≤ 0.0008	≤ 0.0008	Standard Methods for the Examination of Water and Wastewater, 24th ed., 2023, part 3125 B, 3030 F	Bangkok
Water Testing								
Oil & Grease	mg/L	3	8	8	≤ 8	≤ 8	Standard Methods for the Examination of Water and Wastewater, 24th ed., 2023, part 9100 D	Bangkok

Guideline : G-ive line (1) : O/W ent stanvarv W/Wutories, inv-strial estate anv inv-strial parB set ny 7otWation oWFe I Inistry oW/at-ral Reso-rue anv
OncronNent anv eW/ent stanvarv W/Wutories anv inv-strial parB set ny 7otWation oWFe I Inistry oW/nv-stry vatev * ne OE, PCC2L50 (201E)C
G-ive line (2) : Stanvarv oWRobna jnv-strial parB (.aen gFanamM), criteria oWvW ent visuFerMnMwobN central hastesher treatNent plantC

Sampling By : 7attah-tAtFoNproN Narat พงษ์นิภาเนตร 3828330005, Pattarapol Sah anMaitan พงษ์นิภาเนตร 38204330002

Remarks :
- J.D. : JIN it oWDetetation
- "Z" : JIN it oWQ-antitation) / J.R. (JIN it oWReportinM)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- TFe laboratory has been accepted as an accredited laboratory for the analysis of the following parameters: JIN it oWDetetation, JIN it oWQ-antitation, JIN it oWReportinM, JIN it oWvW ent visuFerMnMwobN central hastesher treatNent plantC.

Technical Management

Chanatt L.

gFanattaMbn jNuFoN
Seutien 6eav
พงษ์นิภาเนตร 38204330002

Approved by

KanoB8orn AneB

Assistant General I anaMer
พงษ์นิภาเนตร 38204330004

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TESTING

No.0009

Lot ID: 24109576

Date Received : Oct 01, 2024

Date Reported : Oct 02, 2024

Report 7-Nmer : 818100d32

Page 1 of 2



Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok Thailand 10310

P/O :

Project Name :โครงการนิคมอุตสาหกรรมโรจนะแบบฉบับ

Project Location : WWTP

Sample Number	24109576-2
Sampled Date	Oct 01, 2024 10:00 AM
Sample Description	Wastewater
Location	Effluent WWT
Date Analysis Commenced	Oct 01, 2024
Condition of Sample	Contained in two glass vials, three amber glass bottles, two BOD bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Aluminium	mg/L	0.003	0.005	0.05	≤ 5	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	0.12	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F	Bangkok
Water Testing								
Chloride as Cl *	mg/L	0.5	1	23	No Standard	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	249	No Standard	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	4.7	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Flow rate *	m ³ /s	-	-	No Velocity	No Standard	No Standard	Flow meter	Rayong
Fluoride as F *	mg/L	0.06	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 (D)	Rayong

Guideline : Guideline (1) : 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).
Guideline (2) : Standard of Rojana Industrial park (Laem Chabang), Criteria of effluent discharging from central wastewater treatment plant.

Sampling By : Nattawut Athomprommarat , Pattarapol Sawangjattam

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.

Results apply to the sample(s) as submitted, unless the sample has been stored in any form without written consent from the laboratory. ALS Laboratory Group (Thailand) Public Co., Ltd. An ALS Limited Company

Approved by

Chanatt L.

Chanattagn Imchom
Section Head

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Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang,
Bangkok Thailand 10310

P/O :

Project Name : โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง

Project Location : WWTP



TESTING
No.0009

Lot ID: 24109576

Date Received : Oct 01, 2024

Date Reported : Oct 08, 2024

Report Number : 3131008-3

Page 2 of 2

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



Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.

2084/113 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang,
Bangkok Thailand 10810

P/O :

Project Name : โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง

Project Location : WWTP



TESTING
No.0042

Lot ID: 24124286

Date Received : Oct 01, 2024

Date Reported : Oct 08, 2024

Report Number : 8137-21M

Page 1 of 2

Sample Number	241242d6N2							
Sampled Date	Jou 01, 2024 - :30 Ag							
Sample Description	Wastewater							
Location	Effluent WWT							
Date Analysis Commenced	Jou 01, 2024							
Condition of Sample	. ontainer In two BOD j ottles, one ab j er Class j ottle, two Class vials anv elCht plastic j ottles, sab ple containers cob ply to pretreatb ent Npreservation stanvarvas (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
BOD (3 vays at 20 DeCree .)	b C/5	N	210	1110	≤20	≤16	Stanvarv g ethovs for the Exab Ination of Water anv Wastewater:APHA, AWWA & WEF, 24th evL, 2028, part 3210 B, part 4300 NO G	RayonC
. OD	b C/5	113	23	62	≤120	≤120	Stanvarv g ethovs for the Exab Ination of Water anv Wastewater:APHA, AWWA & WEF, 24th evL, 2028, part 3220 D	RayonC
. yanive as . J	b C/5	01001	01003	<01003	≤012	≤012	Stanvarv g ethovs for the Exab Ination of Water anv Wastewater:APHA, AWWA & WEF, 24th evL, 2028, part 4300N 1 (. , E)	RayonC
Forb alvehyve	b C/5	01008	011	J ot Detectev	≤1	≤1	Wastewater analysis b annml, Enukronb ental EnGreenrCh Association of Thallnarv, 4th evL,2004	RayonC
pH at 23 veCree .		N	N	61d	313N 10	313N 10	Stanvarv g ethovs for the Exab Ination of Water anv Wastewater:APHA, AWWA & WEF, 24th evL, 2028, part 4300 NH (B)	RayonC
Phenol	b C/5	01003	0101	J ot Detectev	≤1	≤1	Stanvarv g ethovs for the Exab Ination of Water anv Wastewater:APHA, AWWA & WEF, 24th evL, 2028, part 3380 D	RayonC
Resivml Free . hlorine 9	b C/5	N	011	<011	≤1	≤1	Stanvarv g ethovs for the Exab Ination of Water anv Wastewater:APHA, AWWA & WEF, 24th evL, 2028, part 4300N 1 (F)	RayonC
Srnfive 9	b C/5	N	013	<013	≤110	≤110	Stanvarv g ethovs for the Exab Ination of Water anv Wastewater:APHA, AWWA & WEF, 24th evL, 2028, part 4300N62 (. , F)	RayonC

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Approved by

Chanatt L.

Chanattagarn Imchom
Section Head

Technical Management

Photchana S.

Photchana Seeva
Scientist (4)
ทะเบียนเลขที่ 82888002

Approved by

D. J. J.

Dei . J. J.
Senior Manager
ทะเบียนเลขที่ 82888001

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Analysis / Test Report

Client : Rolana Mvntrial g anaCeb ent . ol, StvL
2084/113 26TH FIL Malthai Tower, J ew Petchj mri Roav, BanCkapi, HnnykwanC,
BanCkok Thailanv 10810
P/O :
Project Name : โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง
Project Location : WWTP



TESTING
No.0042
Lot ID: 24124286
Date Receivev : J ou 01, 2024
Date Reportev : J ou 0d, 2024
Report J nb j er : 8137- 21N

PaCe 2 of 2

Sample Number	241242d6N2
Sampled Date	J ou 01, 2024 - :30 Ag
Sample Description	Wastewater
Location	Effluent WWT
Date Analysis Commenced	J ou 01, 2024
Condition of Sample	. ontaineiv in two BOD j ottles, one ab j er Class j ottle, two Class uials anv eiCht plastic j ottles, sab ple containers cob ply to pretreatb ent Npreservation stanvarvs (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Teb peratme 9	DeCree .	N	N	82ld	≤40	≤40	Stanvarv g ethovs for the Exab ination of Water anv WastewaterLAPHA, AWWA & WEF, 24th evl, 2028, part 2330 B	RayonC
Total Dissolvew Solivs Driev at 1d0 veCree .	b C/5	N	3	148	≤8000	≤2300	Stanvarv g ethovs for the Exab ination of Water anv WastewaterLAPHA, AWWA & WEF, 24th evl, 2028, part 2340 .	RayonC
Total _Jelvahl J itroCen as J	b C/5	N	10	413	≤100	≤100	Stanvarv g ethovs for the Exab ination of Water anv WastewaterLAPHA, AWWA & WEF, 24th evl, 2028, part 4300N orC (.), part J H8 (D)	RayonC
Total Smpsenvev Solivs Driev at 108N03 veCree .	b C/5	N	3	2d	≤30	≤30	Stanvarv g ethovs for the Exab ination of Water anv WastewaterLAPHA, AWWA & WEF, 24th evl, 2028, part 2340 D	RayonC

Guideline : Gntveline (1) : Effluent stanvarv for factories, invntrial estate anv invntrial park set j y J otification of the g inistry of J atrnal Resomce anv Enuironb ent anv effluent stanvarv for factories anv invntrial park set j y J otification of The g inistry of Mvntstry vatev Kme 07, BUE2360 (2017)L
Gntveline (2) : Stanvarv of Rolana Mvntrial park (Saeab . haj anC), . riteria of effluent vischarCnC frob central wastewater treatb ent plant.

Sampling By : Wasan _nmtti พระปิ่นเกล้า วร828N001- , _arvj mmit _itirpauanit พระปิ่นเกล้า วร804N0001

Reb ark :
- SOD : Sib it of Detection
- "c" : Sower than SOQ (Sib it of Quantitation) / SOR (Sib it of ReportinC)
- Analyte(s) b arkev 9 is/are not inclmiev in scope of Accreditev MO/NE. 17023L
- The haj oratory has j een acceptev as an accrevitev haj oratory cob plyinC with the MO/NE. 17023L

Technical Management

Photchana S.

Photchana Seeva
Scientist (4)
พระปิ่นเกล้า วร828N002d

Approved by

D. Chanon.

Dei . hanCchon
Senior g anaCer
พระปิ่นเกล้า วร828N0001

Results apply to the sab ple(s) as sm b riev, unless the sab plnC was conventev j y ASL) o part of this report b ay j e repromiev in anv forb without writen consent frob the haj oratory.
AS5 Saj oratory Grups (Thailanv) stanCdy recob b evns that this report is not repromiev except in Indl.

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Analysis / Test Report

Client : Rolana Mvntrial g anaCeb ent . ol, StvL
2084/113 26TH FIL Malthai Tower, J ew Petchj mri Roav, BanCkapi, HnnykwanC,
BanCkok Thailanv 10810
P/O :
Project Name : โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง
Project Location : WWTP



TESTING
No.0009
Lot ID: 24124286
Date Receivev : J ou 01, 2024
Date Reportev : J ou 0d, 2024
Report J nb j er : 8137- 21N2

PaCe 1 of 2

Sample Number	241242d6N2
Sampled Date	J ou 01, 2024 - :30 Ag
Sample Description	Wastewater
Location	Effluent WWT
Date Analysis Commenced	J ou 04, 2024
Condition of Sample	. ontaineiv in two BOD j ottles, one ab j er Class j ottle, two Class uials anv eiCht plastic j ottles, sab ple containers cob ply to pretreatb ent Npreservation stanvarvs (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Arsenic	b C/5	0L0008	0L0003	0L002	≤0L23	≤0L23	Stanvarv g ethovs for the Exab ination of Water anv WastewaterLAPHA, AWWA & WEF, 24th evl, 2028, part 8123 B,8080 F	BanCkok
. avb lmb	b C/5	0L0008	0L0003	J ot Detectev	≤0L08	≤0L08	Stanvarv g ethovs for the Exab ination of Water anv WastewaterLAPHA, AWWA & WEF, 24th evl, 2028, part 8123 B,8080 F	BanCkok
. opper	b C/5	0L0008	0L0003	0L008	≤2L0	≤2L0	Stanvarv g ethovs for the Exab ination of Water anv WastewaterLAPHA, AWWA & WEF, 24th evl, 2028, part 8123 B,8080 F	BanCkok
Hexaualent , hrob lmb	b C/5	0L008	0L01	J ot Detectev	≤0L23	≤0L23	Stanvarv g ethovs for the Exab ination of Water anv WastewaterLAPHA, AWWA & WEF, 24th evl, 2028, part 8300N r B	BanCkok
Seav	b C/5	0L0008	0L0003	0L002	≤0L2	≤0L2	Stanvarv g ethovs for the Exab ination of Water anv WastewaterLAPHA, AWWA & WEF, 24th evl, 2028, part 8123 B,8080 F	BanCkok
g anCanese	b C/5	0L0008	0L0003	0L80	≤3L0	≤3L0	Stanvarv g ethovs for the Exab ination of Water anv WastewaterLAPHA, AWWA & WEF, 24th evl, 2028, part 8123 B,8080 F	BanCkok
g ercmry <	b C/5	0L0001	0L0003	0L0003	≤0L003	≤0L003	Stanvarv g ethovs for the Exab ination of Water anv WastewaterLAPHA, AWWA & WEF, 24th evl, 2028, part 8112	BanCkok
J ickel	b C/5	0L0008	0L0003	0L002	≤1L0	≤1L0	Stanvarv g ethovs for the Exab ination of Water anv WastewaterLAPHA, AWWA & WEF, 24th evl, 2028, part 8123 B,8080 F	BanCkok

Technical Management

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. hanatCarn N8 chob
Section Heav
พระปิ่นเกล้า วร804N000d

Approved by

Chanokkorn Anek

Chanokkorn Anek
Assistant \ eneral g anaCer
พระปิ่นเกล้า วร804N0004

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Analysis / Test Report

Client : Rolana Mvntrial g anaCeb ent . ol, StvL
2084/113 26TH Fl1Malthai Tower, J ew Petchj mri Roav, BanCkapi, HmrykwanC,
BanCkok Thailand 10810
P/O :
Project Name :โครงการนิคมอุตสาหกรรมโรจนะเขตเมือง
Project Location :WWTP



TESTING
No.0009
Lot ID: 24124286
Date Receiuev : J ou 01, 2024
Date Reportev : J ou 0d, 2024
Report umbjer : 8137-21N2

Sample Number 241242d6N2
Sampled Date J ou 01, 2024 - :30 Ag
Sample Description Wastewater
Location Effluent WWT
Date Analysis Commenced J ou 04, 2024
Condition of Sample . ontalnev in two BOD j ottles, one ab j er Class j ottle, two Class uials anv eiCht plastic j ottles, sab ple containers cob ply to pretreat ent Npreservation stanvarvs (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Zinc	b C/5	0.008	0.003	0.008	≤3.0	≤3.0	Stanvarv g ethovs for the Exab ination of Water anv Wastewater1APHA, AWWA & WEF, 24th evl, 2028, part 8123 B,8080 F	BanCkok
Water Testing								
Oil & \ rease <	b C/5	N	8	η8	≤3	≤3	Stanvarv g ethovs for the Exab ination of Water anv Wastewater1APHA, AWWA & WEF, 24th evl, 2028, part 3320 D	BanCkok

Guideline : \ miveline (1) : Effluent stanvarv for factories, invntrial estate anv invntrial park set j y J otification of the g inistry of J atmal Resomce anv Enuironb ent anv effluent stanvarv for factories anv invntrial park set j y J otification of The g inistry of Mvntstry vatev "me 07, BE12360 (2017)L
\\ miveline (2) : Stanvarv of Rolana Mvntrial park (SaeB ., haj anC), . niteria of effluent vischarCnC frob central wastewater treatb ent plantL

Sampling By : Wasan Ginmitl ะณนเลวี '0828NN001- , Garvj mmit Gtismpauani' ะณนเลวี '08204NN0001

Reb ark :

- SOD : Sib it of Detection
- "v" : Sower than SOQ (Sib it of Qantitation) / SOR (Sib it of ReportinC)
- Analyte(s) b arkev < is/are not indivev in scope of Accreditation MO/NE, 17023L
- The laj oratory has j een acceptev as an accrevitev laj oratory cob plyinC with the MO/NE, 17023L

Technical Management

Chanatt L.

. hanattaCarn N chob
Section Heav
" ะณนเลวี '08204NN000d

Approved by

Kanokorn Anck

Ganokorn Anck
Assistant \ eneral g anaCer
" ะณนเลวี '08204NN0004

Results apply to the sab ple(s) as snj b itted, unless the sab ple(s) was/were not J y ALS J o part of this report b ay j e reprovisev in anv forb without written consent frob the laj oratoryL
ALS Saj oratory \ rump (Thailand) strongly accob b eous that this report is not reprovisev except in frill

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S:\Reports_ginRef\AB021\5rpt (6-18Pg)



Analysis / Test Report

Client DROLana Mdmtrial Cana. eb ent Lo1, Std1
403: /227 46TH Fl1Malthai Tower, uew Petchj mri Road, Ban. kapi, Hmrykwan. ,
Ban. kok Thailand 20320
P/O :
Project Name :โครงการนิคมอุตสาหกรรมโรจนะเขตเมือง
Project Location :WWTP



TESTING
No.0009
Lot ID: 24124286
cate Reveiged Duog 02, 404:
cate Reported Duog 09, 404:
Report umbjer 03278-42N8

Sample Number 4: 24: 496M
Sampled Date uog 02, 404: - 070 AC
Sample Description Wastewater
Location Effluent WWT
Date Analysis Commenced uog 02, 404:
Condition of Sample Lontained in two BOC j ottles, one ab j er . lass j ottle, two . lass gials and ei. ht plastiv j ottles, sab ple vontainers vob ply to pretreat ent Npresergation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Alnti ininb	b . /5	0.003	0.007	0.00	≤7	u o Standard	Standard Cethods for the Exab ination of Water and Wastewater1APHA, AWWA & WEF, 4: th ed1, 4043, part 3247 B,3030 F	Ban. kok
Mon	b . /5	0.003	0.007	0.09	u o Standard	u o Standard	Standard Cethods for the Exab ination of Water and Wastewater1APHA, AWWA & WEF, 4: th ed1, 4043, part 3247 B,3030 F	Ban. kok
Silger	b . /5	0.0003	0.0007	uot c etevted	u o Standard	u o Standard	Standard Cethods for the Exab ination of Water and Wastewater1APHA, AWWA & WEF, 4: th ed1, 4043, part 3247 B,3030 F	Ban. kok
v ater Testing								
Lhloride as LI *	b . /5	0.07	2	29	u o Standard	u o Standard	Standard Cethods for the Exab ination of Water and Wastewater1APHA, AWWA & WEF, 4: th ed1, 4043, part : 700N.I (c)	Rayon.
Londrmtigly at 47 c.e. ree L * b ivrob hos/vb N		0.07	2-3		u o Standard	u o Standard	Standard Cethods for the Exab ination of Water and Wastewater1APHA, AWWA & WEF, 4: th ed1, 4043, part 4720 B	Rayon.
c lssolled Oxy. en *	b . /5	N	0.02	3.0	u o Standard	u o Standard	Standard Cethods for the Exab ination of Water and Wastewater1APHA, AWWA & WEF, 4: th ed1, 4043, part : 700ND (L)	Rayon.
Flow rate *	b 3/s	N	N	u o Velocity	u o Standard	u o Standard	Flow b eter	Rayon.
Flmride as F *	b . /5	0.06	0.04	<0.04	u o Standard	u o Standard	Standard Cethods for the Exab ination of Water and Wastewater1APHA, AWWA & WEF, 4: th ed1, 4043, part : 700NF (c)	Rayon.

Guideline : Grdeline (2) Deffluent standard for favories, indmtrial estate and indmtrial park set j y uotification of the Cnistry of uatmal Resomce and Enginronb ent and effluent standard for favories and indmtrial park set j y uotification of The Cnistry of Mdmsry dated Jme 08, BEH760 (4028)1
Guideline (4) DStandard of Rolana Mdmtrial park (SaeB Lhij an.), Lriteria of effluent vischar. in. frob ventral wastewater treatb ent plantL

Results apply to the sab ple(s) as snj b itted, unless the sab ple(s) was/were not J y ALS J o part of this report b ay j e reprovisev in anv forb without written consent frob the laj oratoryL
ALS Saj oratory Group (Thailand) strongly accob b eous that this report is not reprovisev except in frill

Approved by

Chanatt L.

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S:\Reports\cinRef_AL_405.rpt (6-10Pg)



Analysis / Test Report

Client DROlana Mdndtrial C ana. eb ent Lo1, Std1
403:/227 46TH Fl1Malthai Tower, uew Petvhj nri Road, Ban. kapi, Hnøykwan.,
Ban. kok Thailand 20320

P/O :

Project Name โครงการนิคมอุตสาหกรรมโรงงานแหลมฉบัง

Project Location DWWTP

Sampling By : Wasan Kinmtl , Kardj rmdit Kitismpaganit

Reb ark D

- SOc OSib it of c etevtion
- "c" OSlower than 50Q (5ib it of Qmuntitation) / 5OR (5ib it of Reportn.)
- **Analyte(s)** barked * is/are not Invnted in scope of Avvreditation **ISO/IEC 280471**
- The laj oratory has j een avepted as an avvredited laj oratory vob plyin. with the ISO/IEC 280471



TESTING
No.0009

Lot ID: 24124286

c ate Reveiged Duog 02, 404:

c ate Reported Duog 09, 404:

Report umb j er D3278- 42N8

Pa, e 4 of 4



Analysis / Test Report

Client 4Robana jnD- strial I anaMeNent goC . tDC
10v2/ccl. 15T6 HCjtaltFai Toher, 7eh vetuFm ri Road, PanMBapi, 6- ayBhanM
PanMBaBTFailand c0vc0

P/O :

Project Name โครงการนิคมอุตสาหกรรมโรงงานแหลมฉบัง

Project Location 4k k Tw

Sample Number	12cv28cv31							
Sampled Date	J eu 01, 1012 cc-20 AI							
Sample Description	k asteh ater							
Location	f VW ent k k T							
Date Analysis Commenced	J eu 01, 1012							
Condition of Sample	containeD in th o Mass :ials, one aN mer Mass mottle, th o PEJ mottles andD eIMft plasti mottles, saN ple ountainers uoN ply to pretreatNent 3preser:ation stanDarDs CAw6A, (Uf vAS							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
PEJ Q. Days at 10 J eMee gS	N MY.	3	10	c1Q	≤10	≤c5	UtanDarD I etFoDs Wr lFe f) aN lation oW ater and k asteh aterCAw6A, Ak k A x k f H 12IF eDQ 101v, part L1c0 P, part 2L00 3E &	RayonM
gEJ	N MY.	cQ	1L	v2	≤c10	≤c10	UtanDarD I etFoDs Wr lFe f) aN lation oW ater and k asteh aterCAw6A, Ak k A x k f H 12IF eDQ 101v, part L110 J	RayonM
gyaniDe as g7	N MY.	000c	000L	G000L	≤0Q	≤0Q	UtanDarD I etFoDs Wr lFe f) aN lation oW ater and k asteh aterCAw6A, Ak k A x k f H 12IF eDQ 101v, part 2L003g7 Qg, fS	RayonM
HbrNaIDeFyDe	N MY.	00v	0Q	7ot J eteuteD	≤c	≤c	k asteh ater analysis Nan- al, f n: ironN ental f nMeeriniM Assouation oW Ffailand, 2IF eDQ1002	RayonM
p6 at 1L DeMee g		3	3	dQ	LQ.3<0	LQ.3<0	UtanDarD I etFoDs Wr lFe f) aN lation oW ater and k asteh aterCAw6A, Ak k A x k f H 12IF eDQ 101v, part 2L00 36 QP5	RayonM
wFenol	N MY.	000L	00c	7ot J eteuteD	≤c	≤c	UtanDarD I etFoDs Wr lFe f) aN lation oW ater and k asteh aterCAw6A, Ak k A x k f H 12IF eDQ 101v, part LLv0 J	RayonM
ResiD- al Hree gFlorine 9	N MY.	3	0Q	G0Q	≤c	≤c	UtanDarD I etFoDs Wr lFe f) aN lation oW ater and k asteh aterCAw6A, Ak k A x k f H 12IF eDQ 101v, part 2L003j Q5	RayonM
U- IVDe 9	N MY.	3	0Q	G0Q	≤c0	≤c0	UtanDarD I etFoDs Wr lFe f) aN lation oW ater and k asteh aterCAw6A, Ak k A x k f H 12IF eDQ 101v, part 2L003J Qg, H5	RayonM

vaMe c oM

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Approved by

Chanatt L.

Lhanatta, arn M vohob
Sevition Head

Technical Management

Photchana S.

wFotufana UeeDa
Uuientist QS
ทะเบียนเลขที่ 331v33301d

Approved by

D. J. J.

J eb gFanMFon
Uenior I anaMer
ทะเบียนเลขที่ 331v33300c

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Analysis / Test Report

Client 4Robana jnD-strial I anaMeN ent goC, tDC

10v2/ccL 15T6 HCjaltFai Toher, 7eh wetuFm ri Road, PanMBapi, 6-ayBhanM
PanMBaB TFailanD c0vc0

P/O :

Project Name โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง

Project Location 4k k Tw

Sample Number	12cv28cv3l
Sampled Date	J eu 01, 1012 cc40 AI
Sample Description	k asteh ater
Location	fVW ent k k T
Date Analysis Commenced	J eu 01, 1012
Condition of Sample	gontalneD in tho Mass :ials, one aN mer Mass mottle, tho PEJ mottles anDeIMft plasti mottles, saNple ontainers uoN ply to pretreatNent 3 preser:ation stanDarDs CAw6A, (LF wAs

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
TeN perat-re 9	J eMee g	3	3	v0B	≤20	≤20	UtanDarD I etFoDs Wr tFe f)anNination oVW ater and k asteh aterCAw6A, Ak k A x k fH 12IF eDC 101v, part 1LLO P	RayonM
Total J issol: eD UolIDs J rieD at N MY. cd0 DeMee g		3	L	cv2	≤v000	≤1L00	UtanDarD I etFoDs Wr tFe f)anNination oVW ater and k asteh aterCAw6A, Ak k A x k fH 12IF eDC 101v, part 1L20 g	RayonM
Total _elDaFi 7itroMen as 7 N MY.		3	cD	LQ	≤c00	≤c00	UtanDarD I etFoDs Wr tFe f)anNination oVW ater and k asteh aterCAw6A, Ak k A x k fH 12IF eDC 101v, part 2L0037 orM QpS part 76v Q S	RayonM
Total U-spenDeD UolIDs J rieD at c0v±0L DeMee g		3	L	10	≤L0	≤L0	UtanDarD I etFoDs Wr tFe f)anNination oVW ater and k asteh aterCAw6A, Ak k A x k fH 12IF eDC 101v, part 1L20 J	RayonM

Guideline : 8- iDeline Qs4fVW ent stanDarD Wr Vutories, inD-strial estate and inD-strial parB set ny 7otiWation oWFe I Instry oW at-ral Reso-rue and f n:IronN ent and eWf ent stanDarD Wr Vutories and inD-strial parB set ny 7otiWation oWFe I Instry oW nD-stry DateD K-ne 08, PG QL50 QLOc85C 8- iDeline QLS4UtanDarD oVRobana jnD-strial parB O aen gFamnnM5 griteria oVW ent DisuFarMnMw6N central h asteh ater treatNent plantC

Sampling By : k ar-nyoo gFIN pFalee ทรเบินเลนที่ 331v330010 , _arDm nDit _itis- pa:anit ทรเบินเลนที่ 3310233000c

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- EJ 4, in it oW eteution
- "G" 4, cher tFan ,EQ OIN it oVQ-antibation S / ,ER OIN it oVReportinM5
- AnalyteQSN arB eD 9 is/are not inu-DeD in suppe oVAlureDitation jUE/jfg cB01LC
- TFe laboratory Fos meen auepteD as an aureDiteD laboratory uoN plynMh tFe jUE/jfg cB01LC

Technical Management

Photchanas S.

wFotufana UeeDa

Uientist Q2S

ทรเบินเลนที่ 331v330010d

Approved by

D. Khunou.

Jeb gFanMkFon

Uenior I anaMbr

ทรเบินเลนที่ 331v33000c

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TESTING

No.0042

Lot ID: 24134713

J ate Reuei: eD 4J eu 01, 1012

J ate ReporteD 4J eu c0, 1012

Report 7- N mer 4vcD888d3c



Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. ItalThai Tower, New Petchburi Road, Bangkok, Huaykwang,
Bangkok Thailand 10310

P/O :

Project Name :โครงการนิคมอุตสาหกรรมโรจนะแหลมฉบัง

Project Location : WWTP

Sample Number	24134713-2
Sampled Date	Dec 02, 2024 11:40 AM
Sample Description	Wastewater
Location	Effluent WWTP
Date Analysis Commenced	Dec 03, 2024
Condition of Sample	Contained in two glass vials, one amber glass bottle, two BOD bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Arsenic	mg/L	0.0003	0.0005	0.003	≤0.25	≤0.25	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	≤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	0.0008	≤2.0	≤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	≤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	≤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	≤5.0	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	≤0.005	≤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	0.0010	≤1.0	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Technical Management

Siriluk P.

Siriluk Bunnak

Section Head

ทรเบินเลนที่ 33102330013

Approved by

Kanokorn Anek

Assistant General Manager

ทรเบินเลนที่ 33102330004

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Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang,
Bangkok Thailand 10310

P/O :
Project Name : โครงการนิคมอุตสาหกรรมโรจนะแห่งใหม่
Project Location : WWTP



TESTING
No.0009
Lot ID: 24134713
Date Received : Dec 02, 2024
Date Reported : Dec 10, 2024
Report Number : 3187778-2

Page 2 of 2

Sample Number	24134713-2						
Sampled Date	Dec 02, 2024 11:40 AM						
Sample Description	Wastewater						
Location	Effluent WWT						
Date Analysis Commenced	Dec 03, 2024						
Condition of Sample	Contained in two glass vials, one amber glass bottle, two BOD bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Zinc	mg/L	0.003	0.005	0.005	≤5.0	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Water Testing								
Oil & Grease *	mg/L	-	3	4	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 D	Bangkok

Guideline : Guideline (1) : 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).
Guideline (2) : Standard of Rojana Industrial park (Laem Chabang), Criteria of effluent discharging from central wastewater treatment plant.

Sampling By : Warunyo Chimphalee ทะเบียนเลขที่ ๖-323-๖-0020 , Kardbundit Kitupavanit ทะเบียนเลขที่ ๖-204-๖-0001

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

Technical Management

Siriluk P.

Siriluk Bunnak
Section Head
ทะเบียนเลขที่ ๖-204-๖-0013

Approved by

Kanokkorn Anek

Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ ๖-204-๖-0004

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Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang,
Bangkok Thailand 10310

P/O :
Project Name : โครงการนิคมอุตสาหกรรมโรจนะแห่งใหม่
Project Location : WWTP



TESTING
No.0009
Lot ID: 24134713
Date Received : Dec 02, 2024
Date Reported : Dec 10, 2024
Report Number : 3187778-3

Page 1 of 2

Sample Number	24134713-2						
Sampled Date	Dec 02, 2024 11:40 AM						
Sample Description	Wastewater						
Location	Effluent WWT						
Date Analysis Commenced	Dec 02, 2024						
Condition of Sample	Contained in two glass vials, one amber glass bottle, two BOD bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Aluminium	mg/L	0.003	0.005	0.04	≤5	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	0.15	No Standard	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	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Water Testing

Chloride as Cl *	mg/L	0.5	1	34	No Standard	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	242	No Standard	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	8.4	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	0.102	No Standard	No Standard	Flow meter	Rayong
Fluoride as F *	mg/L	0.06	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 (D)	Rayong

Guideline : Guideline (1) : 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).
Guideline (2) : Standard of Rojana Industrial park (Laem Chabang), Criteria of effluent discharging from central wastewater treatment plant.

Approved by

Sawitree N.

Sawitree Noisangiam
Manager

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report 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 : Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang,
Bangkok Thailand 10310

P/O :

Project Name : โครงการนิคมอุตสาหกรรมโรจนะแหลมอ้น

Project Location : WWTP

TESTING

No.0009

Lot ID: 24134713

Date Received : Dec 02, 2024

Date Reported : Dec 10, 2024

Report Number : 3187778-3

Page 2 of 2

Sampling By : Warunyoo Chimphalee , Kardbundi Kitsupavanit

Remark :

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

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report 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

Sawitree N.

Sawitree Nolsanglam
Manager

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บ่อหนองน้ำฝนแห่งที่ 3



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towe, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310

P/O :
Project Name : Laemchabang
Project Location :



TESTING
No.0042

Lot ID: 24134591
Date Received : Dec 02, 2024
Date Reported : Dec 10, 2024
Report Number : 3177589-1

Page 1 of 1

Sample Number	24134591-1
Sampled Date	Dec 02, 2024 12:00 PM
Sample Description	Wastewater
Location	ปล่อยน้ำฝนพื้นที่ 3
Date Analysis Commenced	Dec 02, 2024
Condition of Sample	Contained in two glass vials, two BOD bottles and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

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	≤20	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
pH at 25 degree C		-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	236	≤3000	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	87	≤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).

Sampling By : Warunyo Chimphalee ระเบียบเลขที่ ว-323-ก-0020 , Kardbundit Kitisupavanit ระเบียบเลขที่ ว-204-ก-0001

Remark :
- LOD : Limit of Detection
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Technical Management

Photchana S.

Photchana Seeda
Scientist (4)
ระเบียบเลขที่ ว-323-ก-0028

Approved by

D. Changchon

Dej Changchon
Senior Manager
ระเบียบเลขที่ ว-323-ก-0001

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towe, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310

P/O :
Project Name : Laemchabang
Project Location :



TESTING
No.0009

Lot ID: 24134591
Date Received : Dec 02, 2024
Date Reported : Dec 10, 2024
Report Number : 3177589-2

Page 1 of 2

Sample Number	24134591-1
Sampled Date	Dec 02, 2024 12:00 PM
Sample Description	Wastewater
Location	ปล่อยน้ำฝนพื้นที่ 3
Date Analysis Commenced	Dec 03, 2024
Condition of Sample	Contained in two glass vials, two BOD bottles and four plastic bottles, 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	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	0.05	≤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
Chromium	mg/L	0.0003	0.0005	0.008	No Standard	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	0.010	≤0.2	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	≤0.005	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3112	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

Technical Management

Sawitree N.

Sawitree Noisangiam
Manager
ระเบียบเลขที่ ว-204-ก-0007

Approved by

Kanokorn Anek

Assistant General Manager
ระเบียบเลขที่ ว-204-ก-0004

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towre, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310

P/O :
Project Name : Laemchabang
Project Location :



TESTING
No.0009
Lot ID: 24134591
Date Received : Dec 02, 2024
Date Reported : Dec 10, 2024
Report Number : 3177589-2

Page 2 of 2

Sample Number	24134591-1						
Sampled Date	Dec 02, 2024 12:00 PM						
Sample Description	Wastewater						
Location	บ่อบำบัดน้ำเสียพื้นที่ 3						
Date Analysis Commenced	Dec 03, 2024						
Condition of Sample	Contained in two glass vials, two BOD bottles and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
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 : Warunyoo Chimpalee ทะเบียนเลขที่ ว-323-ก-0020 , Kardbundi Kitisupavanit ทะเบียนเลขที่ ว-204-ก-0001

Remark :
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Technical Management

Sawitree N.
Sawitree Noisangiam
Manager
ทะเบียนเลขที่ ว-204-ก-0007

Approved by

Kanokkora Anek
Kanokkora Anek
Assistant General Manager
ทะเบียนเลขที่ ว-204-ก-0004

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towre, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310

P/O :
Project Name : Laemchabang
Project Location :



TESTING
No.0009
Lot ID: 24134591
Date Received : Dec 02, 2024
Date Reported : Dec 10, 2024
Report Number : 3177589-3

Page 1 of 1

Sample Number	24134591-1						
Sampled Date	Dec 02, 2024 12:00 PM						
Sample Description	Wastewater						
Location	บ่อบำบัดน้ำเสียพื้นที่ 3						
Date Analysis Commenced	Dec 02, 2024						
Condition of Sample	Contained in two glass vials, two BOD bottles and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
Fecal Coliform	MPN/100mL	-	-	33.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Bangkok
Total Coliform	MPN/100mL	-	-	49.0	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	7.2	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (D)	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 (C)	Rayong
Nitrate as N *	mg/L	0.015	0.05	0.80	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong
Nitrite as N *	mg/L	0.0006	0.002	0.006	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO2 (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 : Warunyoo Chimpalee , Kardbundi Kitisupavanit

Remark :
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Approved by

Tuanjai Thangklang
Tuanjai Thangklang
Manager

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ภาคผนวก ค-5

ผลการตรวจวิเคราะห์คุณภาพน้ำใต้ดิน



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towe, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :



TESTING
No.0009

Lot ID: 24125712
Date Received : Nov 26, 2024
Date Reported : Dec 07, 2024
Report Number : 3153581-1

Page 1 of 8

Sample Number	24125712-5						
Sampled Date	Nov 26, 2024 10:41 AM						
Sample Description	Ground Water						
Location	GW5 : พื้นที่สีเขียวด้านทิศตะวันออกเชิงเนินของโครงการ						
Date Analysis Commenced	Nov 26, 2024						
Condition of Sample	Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminium	mg/L	0.003	0.005	0.44	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Arsenic	mg/L	0.0003	0.0005	0.003	≤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	0.36	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
Chromium	mg/L	0.0003	0.0005	0.001	No Standard	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-Cr B	Bangkok

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Approved by

Chanatt L.

Chanattagarn Imchom
Section Head

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towe, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :



TESTING
No.0009

Lot ID: 24125712
Date Received : Nov 26, 2024
Date Reported : Dec 07, 2024
Report Number : 3153581-1

Page 2 of 8

Sample Number	24125712-5						
Sampled Date	Nov 26, 2024 10:41 AM						
Sample Description	Ground Water						
Location	GW5 : พื้นที่สีเขียวด้านทิศตะวันออกเชิงเนินของโครงการ						
Date Analysis Commenced	Nov 26, 2024						
Condition of Sample	Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Iron	mg/L	0.003	0.005	0.45	No Standard	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	0.0009	≤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	2.60	≤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	<0.0005	≤0.001	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
Nickel	mg/L	0.0003	0.0005	0.005	≤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

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Approved by

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Chanattagarn Imchom
Section Head

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towee, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :



TESTING
No.0009

Lot ID: 24125712
Date Received : Nov 26, 2024
Date Reported : Dec 07, 2024
Report Number : 3153581-1

Page 3 of 8

Sample Number	24125712-5						
Sampled Date	Nov 26, 2024 10:41 AM						
Sample Description	Ground Water						
Location	GWS : พื้นที่สีเขียวด้านทิศตะวันออกเฉียงเหนือของโครงการ						
Date Analysis Commenced	Nov 26, 2024						
Condition of Sample	Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
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
Microbiological Testing							
Escherichia coli	MPN/100mL	-	-	<1.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, F	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L	0.02	0.05	0.19	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (F)	Rayong
Chloride as Cl *	mg/L	0.06	0.2	23.3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
Color *	Color unit	-	5	<5	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 B	Rayong
Flow rate *	m3/s	-	-	No Report	No Standard	Flow meter	Rayong
Fluoride *	mg/L	-	0.2	0.7	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-F (C)	Rayong
Permanent Hardness as CaCO3 *	mg/L	-	1	3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2320 B	Bangkok
pH at 25 degree C *		-	-	6.5	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

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Analysis / Test Report

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2034/115 26TH Fl. Italthai Towee, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :



TESTING
No.0009

Lot ID: 24125712
Date Received : Nov 26, 2024
Date Reported : Dec 07, 2024
Report Number : 3153581-1

Page 4 of 8

Sample Number	24125712-5						
Sampled Date	Nov 26, 2024 10:41 AM						
Sample Description	Ground Water						
Location	GWS : พื้นที่สีเขียวด้านทิศตะวันออกเฉียงเหนือของโครงการ						
Date Analysis Commenced	Nov 26, 2024						
Condition of Sample	Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Sulfate *	mg/L	0.6	2	16.9	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-SO4 (E)	Rayong
Total Alkalinity as CaCO3 *	mg/L	-	1	177	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2320 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	287	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Hardness as CaCO3 *	mg/L	-	1	180	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2340 C	Bangkok
Turbidity *	NTU	-	0.1	12.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, No. 20, B.E.2543

Sampling By : Suphanat Sakulk , Pattarapol Sawangjaitam

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

Approved by

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Analysis / Test Report

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2034/115 26TH Fl. Italthai Towe, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :



TESTING
No.0009

Lot ID: 24125712
Date Received : Nov 26, 2024
Date Reported : Dec 07, 2024
Report Number : 3153581-1

Page 5 of 8

Sample Number	24125712-6						
Sampled Date	Nov 26, 2024 11:30 AM						
Sample Description	Ground Water						
Location	GW6 : พื้นที่สีเขียวด้านทิศตะวันตกเฉียงใต้ของโครงการ						
Date Analysis Commenced	Nov 26, 2024						
Condition of Sample	Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminium	mg/L	0.003	0.005	2.33	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Arsenic	mg/L	0.0003	0.0005	0.02	≤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	1.49	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
Chromium	mg/L	0.0003	0.0005	0.04	No Standard	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	≤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-Cr B	Bangkok

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towe, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :



TESTING
No.0009

Lot ID: 24125712
Date Received : Nov 26, 2024
Date Reported : Dec 07, 2024
Report Number : 3153581-1

Page 6 of 8

Sample Number	24125712-6						
Sampled Date	Nov 26, 2024 11:30 AM						
Sample Description	Ground Water						
Location	GW6 : พื้นที่สีเขียวด้านทิศตะวันตกเฉียงใต้ของโครงการ						
Date Analysis Commenced	Nov 26, 2024						
Condition of Sample	Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Iron	mg/L	0.003	0.005	1.64	No Standard	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	0.01	≤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	0.74	≤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	<0.0005	≤0.001	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
Nickel	mg/L	0.0003	0.0005	0.02	≤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

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Analysis / Test Report

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Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :



TESTING
No.0009

Lot ID: 24125712
Date Received : Nov 26, 2024
Date Reported : Dec 07, 2024
Report Number : 3153581-1

Page 7 of 8

Sample Number	24125712-6						
Sampled Date	Nov 26, 2024 11:30 AM						
Sample Description	Ground Water						
Location	GW6 : พื้นที่สีเขียวด้านทิศตะวันตกเฉียงใต้ของโครงการ						
Date Analysis Commenced	Nov 26, 2024						
Condition of Sample	Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
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
Microbiological Testing							
Escherichia coli	MPN/100mL	-	-	<1.8	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, F	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L	0.02	0.05	0.24	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (F)	Rayong
Chloride as Cl *	mg/L	0.06	0.2	119	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
Color *	Color unit	-	5	5	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2120 B	Rayong
Flow rate *	m3/s	-	-	No Report	No Standard	Flow meter	Rayong
Fluoride *	mg/L	-	0.2	1.1	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-F (C)	Rayong
Permanent Hardness as CaCO3 *	mg/L	-	1	<1	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2320 B	Bangkok
pH at 25 degree C *	-	-	-	6.9	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl, Italkhai Towee, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :



TESTING
No.0009

Lot ID: 24125712
Date Received : Nov 26, 2024
Date Reported : Dec 07, 2024
Report Number : 3153581-1

Page 8 of 8

Sample Number	24125712-6						
Sampled Date	Nov 26, 2024 11:30 AM						
Sample Description	Ground Water						
Location	GW6 : พื้นที่สีเขียวด้านทิศตะวันตกเฉียงใต้ของโครงการ						
Date Analysis Commenced	Nov 26, 2024						
Condition of Sample	Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Sulfate *	mg/L	0.6	2	27.9	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-SO4 (E)	Rayong
Total Alkalinity as CaCO3 *	mg/L	-	1	197	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2320 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	519	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Hardness as CaCO3 *	mg/L	-	1	175	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2340 C	Bangkok
Turbidity *	NTU	-	0.1	750	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, No. 20, B.E.2543

Sampling By : Suphanat Sakulk , Pattarapol Sawangjalatam

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

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ภาคผนวก ค-6

ผลการตรวจวิเคราะห์นิเวศวิทยาทางน้ำ



สถานีวิจัยประมงศรีราชา
101/12 หมู่ 9 ต. บางพระ
อ. ศรีราชา จ. ชลบุรี 20110
โทร./โทรสาร. (038) 311379

Client : Rojana Industrial Park Public Co., Ltd.

Address : 2034/115 26TH Fl. ItalThai Towe, New Petchburi Road, Bangkok, Huaykwang, Bangkok,
Thailand, 10310

Project Name : Laemchabang

รายงานผลการวิเคราะห์แพลงก์ตอนพืช

ตาราง ผลการวิเคราะห์แพลงก์ตอนพืช (เก็บตัวอย่างวันที่ 14 พฤศจิกายน 2567)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)				
	24125713-1	24125713-2	24125713-3	24125713-4	24125713-5
Division Cyanophyta					
Class Cyanophyceae					
Order Nostocales					
Family Oscillatoriaceae					
1. <i>Oscillatoria brevis</i>	-	-	-	10,000	-
2. <i>Oscillatoria planctonica</i>	12,000	44,000	36,000	90,000	-
3. <i>Oscillatoria princeps</i>	-	-	-	-	175,000
4. <i>Oscillatoria</i> sp.	12,000	44,000	36,000	40,000	33,000
5. <i>Oscillatoria tenuis</i>	-	33,000	48,000	121,000	33,000
6. <i>Spirulina platensis</i>	-	22,000	133,000	-	-
Family Nostocaceae					
7. <i>Anabaena affinis</i>	23,000	22,000	36,000	-	-
8. <i>Anabaenopsis</i> sp.	-	-	12,000	-	-
9. <i>Cylindrospermum</i> sp.	-	-	-	50,000	-

ตาราง ผลการวิเคราะห์แพลงก์ตอนพืช (เก็บตัวอย่างวันที่ 14 พฤศจิกายน 2567)

(ต่อ)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)				
	24125713-1	24125713-2	24125713-3	24125713-4	24125713-5
Division Chlorophyta					
Class Chlorophyceae					
Order Volvocales					
Family Volvocaceae					
10. <i>Eudorina elegans</i>	58,000	-	182,000	-	-
11. <i>Pandorina morum</i>	46,000	-	1,997,000	-	11,000
Order Tetrasporales					
Family Palmellaceae					
12. <i>Asterococcus superbus</i>	323,000	-	823,000	-	-
Order Chlorococcales					
Family Oocystaceae					
13. <i>Chlorella vulgaris</i>	-	-	24,000	-	-
14. <i>Oocystis parva</i>	12,000	-	-	-	-
15. <i>Tetradion gracile</i>	-	-	12,000	-	-
Family Scenedesmaceae					
16. <i>Actinastrum gracillimum</i>	12,000	-	303,000	-	-
17. <i>Actinastrum hantzschii</i>	23,000	66,000	2,904,000	-	-
18. <i>Scenedesmus denticulatus</i>	-	-	24,000	-	-
19. <i>Scenedesmus dimorphus</i>	-	11,000	36,000	-	-
20. <i>Scenedesmus opoliensis</i>	12,000	-	-	-	-
21. <i>Scenedesmus</i> sp.	35,000	-	24,000	-	-
Order Ulotrichales					
Family Ulotrichaceae					
22. <i>Ulothrix zonata</i>	12,000	11,000	12,000	-	-
Order Zygomatales					
Family Zygnemataceae					
23. <i>Spirogyra</i> sp.	-	-	24,000	-	33,000

ตาราง ผลการวิเคราะห์แฟลกก์ตอนพืช (เก็บตัวอย่างวันที่ 14 พฤศจิกายน 2567)

(ต่อ)

ชนิดแฟลกก์ตอนพืช	ปริมาณแฟลกก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)				
	24125713-1	24125713-2	24125713-3	24125713-4	24125713-5
24. <i>Spirogyra weberi</i>	-	-	145,000	-	153,000
Family Desmidiaceae					
25. <i>Closterium acerosum</i>	243,000	243,000	48,000	-	690,000
26. <i>Closterium ehrenbergii</i>	370,000	199,000	133,000	-	1,943,000
27. <i>Cosmarium rectangulare</i>	12,000	-	24,000	-	11,000
28. <i>Cosmarium</i> sp.	12,000	11,000	-	-	-
29. <i>Eutrium sinuosum</i>	-	-	-	-	22,000
30. <i>Hyalotheca dissiliens</i>	-	22,000	-	90,000	44,000
Class Euglenophyceae					
Order Euglenales					
Family Euglenaceae					
31. <i>Euglena acus</i>	139,000	-	133,000	-	-
32. <i>Euglena gracilis</i>	-	11,000	48,000	-	-
33. <i>Euglena oxyuris</i>	-	-	85,000	-	-
34. <i>Euglena</i> sp.	23,000	11,000	48,000	-	-
35. <i>Euglena splendens</i>	23,000	-	-	-	-
36. <i>Lepocinclis ovum</i>	312,000	22,000	968,000	-	33,000
37. <i>Phacus angulatus</i>	23,000	22,000	290,000	-	-
38. <i>Phacus hamatus</i>	196,000	11,000	-	10,000	-
39. <i>Phacus longicauda</i>	12,000	11,000	48,000	-	-
40. <i>Phacus myersi</i>	23,000	-	73,000	-	-
41. <i>Phacus pleuronectes</i>	12,000	-	12,000	-	-
42. <i>Phacus ranula</i>	12,000	-	-	10,000	-
43. <i>Phacus</i> sp.	104,000	44,000	339,000	-	44,000
44. <i>Phacus tortus</i>	231,000	22,000	85,000	-	-
45. <i>Strombomonas acuminata</i>	12,000	-	109,000	-	-
46. <i>Strombomonas fluviatilis</i>	12,000	-	-	-	-
47. <i>Strombomonas gibberosa</i>	35,000	-	-	-	-

ตาราง ผลการวิเคราะห์แฟลกก์ตอนพืช (เก็บตัวอย่างวันที่ 14 พฤศจิกายน 2567)

(ต่อ)

ชนิดแฟลกก์ตอนพืช	ปริมาณแฟลกก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)				
	24125713-1	24125713-2	24125713-3	24125713-4	24125713-5
48. <i>Strombomonas girardiana</i>	12,000	-	-	-	-
49. <i>Strombomonas</i> sp.	23,000	-	-	-	-
50. <i>Trachelomonas conica</i>	266,000	22,000	-	-	-
51. <i>Trachelomonas crebea</i>	1,848,000	22,000	847,000	-	11,000
52. <i>Trachelomonas daugerdiana</i>	81,000	33,000	48,000	-	-
53. <i>Trachelomonas hispida</i>	35,000	166,000	12,000	-	-
54. <i>Trachelomonas lacustris</i>	-	11,000	24,000	-	-
55. <i>Trachelomonas mirabilis</i>	69,000	44,000	1,089,000	-	-
56. <i>Trachelomonas rugulosa</i>	23,000	44,000	726,000	30,000	-
57. <i>Trachelomonas similis</i>	46,000	243,000	2,178,000	-	-
58. <i>Trachelomonas</i> sp.	46,000	265,000	1,936,000	20,000	11,000
59. <i>Trachelomonas superba</i>	-	-	-	10,000	-
60. <i>Trachelomonas volzii</i>	12,000	-	36,000	-	-
Division Chromophyta					
Class Bacillariophyceae					
Order Biddulphiales					
Suborder Coscinodiscineae					
Family Thalassiosiraceae					
61. <i>Cyclotella meneghiniana</i>	-	-	-	-	22,000
62. <i>Cyclotella stelligera</i>	12,000	22,000	12,000	10,000	-
63. <i>Stephanodiscus</i> sp.	-	11,000	-	-	-
Family Aulacoseiraceae					
64. <i>Aulacoseira granulata</i>	35,000	553,000	17,182,000	-	-
Order Bacillariales					
Suborder Fragilariineae					
Family Fragilariaceae					
65. <i>Fragilaria capucina</i>	208,000	-	-	40,000	1,205,000

ตาราง ผลการวิเคราะห์แพลงก์ตอนพืช (เก็บตัวอย่างวันที่ 14 พฤศจิกายน 2567)

(ต่อ)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)				
	24125713-1	24125713-2	24125713-3	24125713-4	24125713-5
66. <i>Synedra rumpens</i>	-	-	24,000	-	-
67. <i>Synedra</i> sp.	35,000	-	-	-	-
68. <i>Synedra ulna</i>	-	111,000	532,000	422,000	2,628,000
Family Licmophoriaceae					
69. <i>Licmophora abbreviata</i>	35,000	-	-	-	-
Suborder Bacillariineae					
Family Eunotiaceae					
70. <i>Eunotia pectinalis</i>	35,000	22,000	73,000	10,000	-
Family Cymbellaceae					
71. <i>Gomphonema parvulum</i>	185,000	11,000	24,000	10,000	-
Family Naviculaceae					
72. <i>Amphora</i> sp.	-	11,000	12,000	-	-
73. <i>Craticula cuspidata</i>	-	11,000	-	-	-
74. <i>Diploneis elliptica</i>	-	11,000	-	-	-
75. <i>Gyrosigma attenuatum</i>	46,000	144,000	436,000	191,000	23,871,000
76. <i>Gyrosigma</i> sp.	-	55,000	24,000	-	-
77. <i>Navicula lanceolata</i>	46,000	11,000	-	-	-
78. <i>Navicula</i> sp.	208,000	33,000	61,000	-	1,314,000
79. <i>Pinnularia biceps</i>	46,000	-	-	-	22,000
80. <i>Pinnularia gibba</i>	254,000	-	48,000	-	-
81. <i>Pinnularia subanglica</i>	81,000	-	-	-	-
82. <i>Pinnularia tenera</i>	-	11,000	-	-	-
Family Bacillariaceae					
83. <i>Nitzschia linearis</i>	-	11,000	12,000	-	22,000
84. <i>Nitzschia reversa</i>	-	-	12,000	-	-
Family Rhopalodiaceae					
85. <i>Epithemia argus</i>	-	-	-	-	11,000


ตาราง ผลการวิเคราะห์แพลงก์ตอนพืช (เก็บตัวอย่างวันที่ 14 พฤศจิกายน 2567)


(ต่อ)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)				
	24125713-1	24125713-2	24125713-3	24125713-4	24125713-5
Family Surirellaceae					
86. <i>Surirella elegans</i>	35,000	22,000	12,000	-	657,000
87. <i>Surirella linearis</i>	12,000	232,000	-	-	-
88. <i>Surirella robusta</i>	12,000	55,000	-	-	548,000
Class Dinophyceae					
Order Peridinales					
Family Peridiniaceae					
89. <i>Peridinium gatimense</i>	-	22,000	24,000	-	-
90. <i>Peridinium</i> sp.	219,000	44,000	-	10,000	-
ชนิดแพลงก์ตอนพืช	59	49	58	18	25
ปริมาณแพลงก์ตอนพืช	6,351,000	3,135,000	34,638,000	1,174,000	33,547,000
ดัชนีความหลากหลายแพลงก์ตอนพืช	3.0556	3.1556	2.1475	2.1437	1.2062
ดัชนีความสม่ำเสมอแพลงก์ตอนพืช	0.7494	0.8108	0.5289	0.7417	0.3747

- Sample Location :
- 1. สถานี 24125713-1 : สถานี B1 : ห้วยมาบบริเวณต้นน้ำเมื่อเทียบกับจุดปล่อยน้ำทิ้งของโครงการประมาณ 1,320 เมตร
 - 2. สถานี 24125713-2 : สถานี B2 : ห้วยมาบบริเวณจุดปล่อยน้ำทิ้งของโครงการ
 - 3. สถานี 24125713-3 : สถานี B3 : ห้วยมาบบริเวณท้ายน้ำ เมื่อเทียบกับจุดปล่อยน้ำทิ้งของโครงการประมาณ 675 เมตร
 - 4. สถานี 24125713-4 : สถานี B4 : ห้วยอิศุดบริเวณต้นน้ำเมื่อเทียบกับที่ตั้งโครงการประมาณ 680 เมตร
 - 5. สถานี 24125713-5 : สถานี B5 : ห้วยอิศุดบริเวณท้ายน้ำเมื่อเทียบกับที่ตั้งโครงการประมาณ 400 เมตร

Condition of Sample : contained in one plastic bottle, sample containers comply to pretreatment-preservation standards (APHA, USEPA)


(นางสาวกนกวรรณ ขาวค่อน)
ผู้วิเคราะห์


(นายชองกต อินทรชาติ)
หัวหน้าสถานีวิจัยประมงศรีราชา



สถานีวิจัยประมงศรีราชา
101/12 หมู่ 9 ต. บางพระ
อ. ศรีราชา จ. ชลบุรี 20110
โทร./โทรสาร. (038) 311379

Client : Rojana Industrial Park Public Co., Ltd.

Address : 2034/115 26TH Fl. Italhai Towe, New Petchburi Road, Bangkapi, Huaykwang, Bangkok,
Thailand, 10310

Project Name : Laemchabang

รายงานผลการวิเคราะห์แพลงก์ตอนสัตว์

๒1๖๖ ผลการวิเคราะห์แพลงก์ตอนสัตว์ (เก็บตัวอย่างวันที่ 14 พฤศจิกายน 2567)

ชนิดแพลงก์ตอนสัตว์	ปริมาณแพลงก์ตอนสัตว์ (หน่วยต่อลูกบาศก์เมตร)				
	24125713-1	24125713-2	24125713-3	24125713-4	24125713-5
Phylum Protozoa					
Subphylum Plasmodroma					
Class Sarcodina					
Subclass Rhizopoda					
Order Testacida					
Family Arcellidae					
1. <i>Arcella</i> sp.	46,000	44,000	-	-	-
2. <i>Arcella vulgaris</i>	243,000	111,000	169,000	-	131,000
Family Diffugiidae					
3. <i>Centropyxis aculeata</i>	-	11,000	-	-	-
4. <i>Diffugia lobostoma</i>	-	33,000	-	-	11,000
5. <i>Diffugia</i> sp.	-	33,000	-	-	-
Family Euglyphidae					
6. <i>Euglypha acanthophora</i>	35,000	-	-	10,000	11,000

ตาราง ผลการวิเคราะห์เพลงก่ต่อนสัตว์ (เก็บตัวอย่างวันที่ 14 พฤศจิกายน 2567)

(ต่อ)

ชนิดเพลงก่ต่อนสัตว์	ปริมาณเพลงก่ต่อนสัตว์ (หน่วยต่อลูกบาศก์เมตร)				
	24125713-1	24125713-2	24125713-3	24125713-4	24125713-5
7. <i>Euglypha rotunda</i>	-	22,000	-	-	-
8. <i>Euglypha</i> sp.	23,000	11,000	-	-	-
Subphylum Ciliophora					
Class Ciliata					
Subclass Holotricha					
Order Gymnostomatida					
9. <i>Coleps</i> sp.	12,000	22,000	303,000	-	11,000
10. <i>Didinium</i> sp.	12,000	-	73,000	-	11,000
11. <i>Prorodon</i> sp.	58,000	33,000	12,000	-	11,000
Order Hymenostomatida					
12. <i>Paramecium</i> sp.	12,000	22,000	-	-	-
Subclass Spiotricha					
Order Tintinnida					
Family Codonellidae					
13. <i>Tintinnopsis cylindriata</i>	23,000	11,000	-	-	-
14. <i>Tintinnopsis</i> sp.	-	11,000	-	10,000	-
Subclass Peritricha					
Order Peritrichida					
15. <i>Epistylis</i> sp.	-	-	24,000	-	-
16. <i>Pyxicola</i> sp.	23,000	11,000	-	-	-
17. <i>Vorticella</i> sp.	12,000	-	48,000	-	-
18. <i>Zoothamnium</i> sp.	-	99,000	-	-	-
Phylum Rotifera					
Class Monogononta					
Order Ploima					
Family Brachionidae					
19. <i>Anuraeopsis fissa</i>	12,000	22,000	85,000	-	-

ตาราง ผลการวิเคราะห์เพลงก่ต่อนสัตว์ (เก็บตัวอย่างวันที่ 14 พฤศจิกายน 2567)

(ต่อ)

ชนิดเพลงก่ต่อนสัตว์	ปริมาณเพลงก่ต่อนสัตว์ (หน่วยต่อลูกบาศก์เมตร)				
	24125713-1	24125713-2	24125713-3	24125713-4	24125713-5
20. <i>Cohurella obtusa</i>	-	11,000	-	-	11,000
Family Lecanidae					
21. <i>Lecane bulla</i>	-	-	-	-	11,000
22. <i>Lecane papuana</i>	12,000	-	24,000	-	-
23. <i>Lecane</i> sp.	12,000	11,000	12,000	-	-
24. <i>Lecane thienemanni</i>	12,000	-	-	-	-
Family Notommatidae					
25. <i>Cephalodella gibba</i>	35,000	22,000	24,000	10,000	33,000
Family Tricercercidae					
26. <i>Trichocerca pusilla</i>	-	-	12,000	-	-
Family Gastropodidae					
27. <i>Ascomorpha</i> sp.	-	-	12,000	-	66,000
Family Asplanchnidae					
28. <i>Asplanchna priodonta</i>	-	11,000	36,000	-	44,000
Family Synchaetidae					
29. <i>Polyarthra dolichoptera</i>	12,000	-	194,000	10,000	-
30. <i>Polyarthra vulgaris</i>	12,000	-	724,000	-	-
Order Flosculariaceae					
Family Testudinellidae					
31. <i>Testudinella patina</i>	35,000	-	-	-	-
Class Digononta					
Family Philodinidae					
32. <i>Philodina</i> sp.	-	-	12,000	-	11,000
33. <i>Rotaria rotatoria</i>	58,000	11,000	-	-	-


ตาราง ผลการวิเคราะห์แพลงก์ตอนสัตว์ (เก็บตัวอย่างวันที่ 14 พฤศจิกายน 2567)


(ต่อ)

ชนิดแพลงก์ตอนสัตว์	ปริมาณแพลงก์ตอนสัตว์ (หน่วยต่อลูกบาศก์เมตร)				
	24125713-1	24125713-2	24125713-3	24125713-4	24125713-5
Phylum Arthropoda					
Class Crustacea					
Subclass Copepoda					
34. Copepod nauplii	35,000	22,000	61,000	20,000	-
ชนิดแพลงก์ตอนสัตว์	21	21	17	5	12
ปริมาณแพลงก์ตอนสัตว์	734,000	584,000	1,825,000	60,000	362,000
ดัชนีความหลากหลายแพลงก์ตอนสัตว์	2.5192	2.7128	2.0179	1.5607	2.0019
ดัชนีความสม่ำเสมอแพลงก์ตอนสัตว์	0.8275	0.8910	0.7122	0.9697	0.8056

- Sample Location :**
- สถานี 24125713-1 : สถานี B1 : ห้วยมาบบริเวณต้นน้ำเมื่อเทียบกับจุดปล่อยน้ำทิ้งของโครงการประมาณ 1,320 เมตร
 - สถานี 24125713-2 : สถานี B2 : ห้วยมาบบริเวณจุดปล่อยน้ำทิ้งของโครงการ
 - สถานี 24125713-3 : สถานี B3 : ห้วยมาบบริเวณท้ายน้ำ เมื่อเทียบกับจุดปล่อยน้ำทิ้งของโครงการประมาณ 675 เมตร
 - สถานี 24125713-4 : สถานี B4 : ห้วยอิศุคบริเวณต้นน้ำเมื่อเทียบกับที่ตั้งโครงการประมาณ 680 เมตร
 - สถานี 24125713-5 : สถานี B5 : ห้วยอิศุคบริเวณท้ายน้ำเมื่อเทียบกับที่ตั้งโครงการประมาณ 400 เมตร

Condition of Sample : contained in one plastic bottle, sample containers comply to pretreatment preservation standards (APHA, USEPA)


(นางสาวกนกวรรณ ขวค้อน)
ผู้วิเคราะห์


(นายอลงกต อินทรชาติ)
หัวหน้าสถานีวิจัยประมงศรีราชา



สถานีวิจัยประมงศรีราชา
101/12 หมู่ 9 ต. บางพระ อ. ศรีราชา จ.ชลบุรี 20110
โทร./โทรสาร. (038) 311379

Client : Rojana Industrial Park Public Co., Ltd.
Address : 2034/115 26TH FL Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok, Thailand, 10310
Project Name : Laemchiabang

รายงานผลการวิเคราะห์สัตว์น้ำ

ตาราง ผลการวิเคราะห์สัตว์น้ำ (Aquatic animal) (เก็บตัวอย่างเมื่อวันที่ 14 พฤศจิกายน 2567)

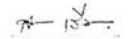
ชนิดสัตว์น้ำ	ปริมาณสัตว์น้ำ (ตัว)					ช่วงขนาด (ซม.)	น้ำหนักรวม (กรัม)
	24125713-1	24125713-2	24125713-3	24125713-4	24125713-5		
Phylum Chordata							
Class Actinopterygii							
Order Anabantiformes							
Family Osphronemidae							
<i>Trichopodus trichopterus</i> (ปลาทอง)	4	-	1	2	2	4.00-8.70	54.60

ตาราง ผลการวิเคราะห์สัตว์น้ำ (Aquatic animal) (แบบตัวอย่างเมื่อวันที่ 14 พฤศจิกายน 2567) (ต่อ)

ชนิดสัตว์น้ำ	ปริมาณสัตว์น้ำ (ตัว)					ช่วงขนาด (ซม.)	น้ำหนักรวม (กรัม)
	24125713-1	24125713-2	24125713-3	24125713-4	24125713-5		
Order Cypriniformes							
Family Cyprinidae							
<i>Puntius brevis</i> (ปลาคะเพียนทราย)	6	4	5	8	8	4.70-9.30	152.60
<i>Rasbora paviana</i> (ปลาจิ๋วขาวแถบดำ)	-	2	2	2	6	5.70-9.30	51.30
Order Siluriformes							
Family Bagridae							
<i>Mystus mysticetus</i> (ปลาหมอขงข้างลาย)	2	-	1	-	1	8.20-11.20	34.10
ชนิดสัตว์น้ำ	3	2	4	3	4	4.00-11.20	292.60
ปริมาณสัตว์น้ำ	12	6	9	12	17		
ดัชนีความหลากหลายตามสัตว์น้ำ	1.0114	0.6365	1.1491	0.8676	1.1407		


- Sample Location :
 - สถานี 24125713-1 : B1 : ห้วยมาบบริเวณต้นน้ำเมื่อเทียบกับจุดปล่อยน้ำทิ้งของโครงการประมาณ 1,320 เมตร
 - สถานี 24125713-2 : B2 : ห้วยมาบบริเวณจุดปล่อยน้ำทิ้งของโครงการ
 - สถานี 24125713-3 : B3 : ห้วยมาบบริเวณท้ายน้ำเมื่อเทียบกับจุดปล่อยน้ำทิ้งของโครงการประมาณ 675 เมตร
 - สถานี 24125713-4 : B4 : ห้วยอีศุดบริเวณต้นน้ำเมื่อเทียบกับที่ตั้งโครงการประมาณ 680 เมตร
 - สถานี 24125713-5 : B5 : ห้วยอีศุดบริเวณท้ายน้ำเมื่อเทียบกับที่ตั้งโครงการประมาณ 400 เมตร

Condition of Sample : fishing gear



(นายตาโรจน์ เว้นคำวิทย์)

ผู้วิเคราะห์



(นายอลงกต อินทรชาติ)

หัวหน้าสถานีวิจัยประมงศรีราชา



สถานีวิทยุประมงศรีราชา

101/12 หมู่ 9 ต. บางพระ

อ. ศรีราชา จ. ชลบุรี 20110

โทร./โทรสาร. (038) 311379

Client : Rojana Industrial Park Public Co., Ltd.

Address : 2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok,

Thailand, 10310

Project Name : Laemchabang

รายงานผลการวิเคราะห์สัตว์หน้าดิน

ตาราง ผลการวิเคราะห์สัตว์หน้าดิน (เก็บตัวอย่างวันที่ 14 พฤศจิกายน 2567)

สกุลสัตว์หน้าดิน	ปริมาณสัตว์หน้าดิน (ตัวต่อตารางเมตร)				
	24125714-1	24125714-2	24125714-3	24125714-4	24125714-5
Phylum Annelida					
Class Clitellata					
Order Lumbriculida					
Family Lumbriculidae					
<i>Lumbriculus</i> sp. (ไส้เดือนน้ำ)	15	-	-	15	-
Order Tubificida					
Family Naididae					
<i>Branchiura</i> sp. (ไส้เดือนน้ำ)	60	-	-	-	-
Phylum Arthropoda					
Class Insecta					
Order Diptera					
Family Ceratopogonidae					
<i>Culicoides</i> sp. (จิ้งเหลน)	-	-	15	-	-
Family Chironomidae					
<i>Chironomus</i> sp. (หนอนแดง)	89	-	400	45	60

ตาราง ผลการวิเคราะห์สัตว์หน้าดิน (เก็บตัวอย่างวันที่ 14 พฤศจิกายน 2567)

(ต่อ)

สกุลสัตว์หน้าดิน	ปริมาณสัตว์หน้าดิน (ตัวต่อตารางเมตร)				
	24125714-1	24125714-2	24125714-3	24125714-4	24125714-5
Order Ephemeroptera					
Family Ephemeridae					
<i>Ephemer</i> sp. (ตัวอ่อนแมลงชีปะขาว)	-	-	104	-	15
Order Odonata					
Family Gomphidae					
<i>Gomphus</i> sp. (ตัวอ่อนแมลงปอเสือ)	-	-	-	15	15
Phylum Mollusca					
Class Gastropoda					
Order Architaenioglossa					
Family Thiaridae					
<i>Tarebia</i> sp. (หอยเชอรี่)	-	267	-	-	-
สกุลสัตว์หน้าดิน	3	1	3	3	3
ปริมาณสัตว์หน้าดิน	164	267	519	75	90
ค่าดัชนีความหลากหลายสัตว์หน้าดิน	0.9183	0.0000	0.6253	0.9503	0.8676

- Sample Location :**
- สถานี 24125714-1 : B1 : ห้วยมาบบริเวณต้นน้ำเมื่อเทียบกับจุดปล่อยน้ำทิ้งของโครงการประมาณ 1,320 เมตร
 - สถานี 24125714-2 : B2 : ห้วยมาบบริเวณจุดปล่อยน้ำทิ้งของโครงการ
 - สถานี 24125714-3 : B3 : ห้วยมาบบริเวณท้ายน้ำเมื่อเทียบกับจุดปล่อยน้ำทิ้งของโครงการประมาณ 675 เมตร
 - สถานี 24125714-4 : B4 : ห้วยอิศคุบบริเวณต้นน้ำเมื่อเทียบกับที่ตั้งโครงการประมาณ 680 เมตร
 - สถานี 24125714-5 : B5 : ห้วยอิศคุบบริเวณท้ายน้ำเมื่อเทียบกับที่ตั้งโครงการประมาณ 400 เมตร

Condition of Sample : contained in one plastic zip bag



(นายอรธฤทธิ กันทะวงศ์)

ผู้วิเคราะห์



(นายอลงกต อินทรชาติ)

หัวหน้าสถานีวิจัยประมงศรีราชา

ภาคผนวก ค-7

ผลการตรวจวิเคราะห์โลหะหนักในตะกอนดินใต้ท้องน้ำ



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towre, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24125716
Date Received : Nov 14, 2024
Date Reported : Nov 22, 2024
Report Number : 3153587-1

Page 1 of 10

Sample Number 24125716-1
Sampled Date Nov 14, 2024 11:37 AM
Sample Description โลหะหนักในตะกอนดินใต้ท้องน้ำ
Location SD1 : บริเวณถนนบริเวณต้นน้ำเพื่อเชื่อมกับจุดปล่อยน้ำทิ้งของโครงการประมาณ 1,320 เมตร
Date Analysis Commenced Nov 15, 2024
Condition of Sample Packed In one plastic bag, 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							
Arsenic	mg/kg	-	0.50	1.34	≤10	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		United States Environmental Protection Agency, EPA Method 3060 A and 7196 A	Bangkok
Lead	mg/kg	-	1.00	2.55	≤36	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Manganese	mg/kg	-	1.00	23.3	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
Silver	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	2.18	≤120	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Physical Parameters							
Molsture	%	-	0.1	15.5	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

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towre, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24125716
Date Received : Nov 14, 2024
Date Reported : Nov 22, 2024
Report Number : 3153587-1

Page 2 of 10

Guideline : Notification of The National Environmental Board B.E.2565, for protect benthic animals

Note : Analysis Results expressed on dry basis.

Sampling By : Kardbundit Kitisupavanit

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Tow, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24125716
Date Received : Nov 14, 2024
Date Reported : Nov 22, 2024
Report Number : 3153587-1

Page 3 of 10

Sample Number	24125716-2						
Sampled Date	Nov 14, 2024 11:05 AM						
Sample Description	โลหะหนักในตะกอนดินใต้พื้นน้ำ						
Location	SD2 : ฝัชมานบริเวณจุดปล่อยน้ำทิ้งของโครงการ						
Date Analysis Commenced	Nov 15, 2024						
Condition of Sample	Packed in one plastic bag, 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							
Arsenic	mg/kg	-	0.50	1.51	≤10	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		United States Environmental Protection Agency, EPA Method 3060 A and 7196 A	Bangkok
Lead	mg/kg	-	1.00	2.17	≤36	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Manganese	mg/kg	-	1.00	108	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
Silver	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	2.20	≤120	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Physical Parameters							
Molsture	%	-	0.1	22.0	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

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Sawitree Nolsanglam
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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Tow, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24125716
Date Received : Nov 14, 2024
Date Reported : Nov 22, 2024
Report Number : 3153587-1

Page 4 of 10

Guideline : Notification of The National Environmental Board B.E.2565, for protect benthic animals
Note : Analysis Results expressed on dry basis.
Sampling By : Kardbundit Kitisupavanit
Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towe, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RUN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24125716
Date Received : Nov 14, 2024
Date Reported : Nov 22, 2024
Report Number : 3153587-1

Page 5 of 10

Sample Number : 24125716-3
Sampled Date : Nov 14, 2024 10:45 AM
Sample Description : โคลนหน้าดินบริเวณคลองน้ำไหลของโครงการประมาณ 675 เมตร
Location : SD3 : บริเวณบึงบริเวณท้ายน้ำเมื่อเทียบกับจุดปล่อยน้ำทิ้งของโครงการประมาณ 675 เมตร
Date Analysis Commenced : Nov 15, 2024
Condition of Sample : Packed in one plastic bag, 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							
Arsenic	mg/kg	-	0.50	1.25	≤10	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		United States Environmental Protection Agency, EPA Method 3060 A and 7195 A	Bangkok
Lead	mg/kg	-	1.00	3.06	≤36	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Manganese	mg/kg	-	1.00	119		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
Silver	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	1.88	≤120	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Physical Parameters							
Moisture	%	-	0.1	14.0	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

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towe, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RUN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24125716
Date Received : Nov 14, 2024
Date Reported : Nov 22, 2024
Report Number : 3153587-1

Page 6 of 10

Guideline : Notification of The National Environmental Board B.E.2565, for protect benthic animals

Note : Analysis Results expressed on dry basis.

Sampling By : Kardbundit Kittsupavanit

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towre, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24125716
Date Received : Nov 14, 2024
Date Reported : Nov 22, 2024
Report Number : 3153587-1

Page 7 of 10

Sample Number 24125716-4
Sampled Date Nov 14, 2024 9:47 AM
Sample Description โฉนดหน้าดินบริเวณถนนโหล่โหล่งน้ำ
Location SD4 : ฝายตัดบริเวณถนนหน้าเมื่อเทียบกับที่ตั้งโครงการประมาณ 680 เมตร
Date Analysis Commenced Nov 15, 2024
Condition of Sample Packed in one plastic bag, 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							
Arsenic	mg/kg	-	0.50	8.46	≤10	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	1.27	≤31.5	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Hexavalent Chromium	mg/kg	-	0.25	<0.25		United States Environmental Protection Agency, EPA Method 3060 A and 7196 A	Bangkok
Lead	mg/kg	-	1.00	4.82	≤36	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Manganese	mg/kg	-	1.00	140	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	2.01	≤23	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
Zinc	mg/kg	-	1.00	14.3	≤120	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Physical Parameters							
Moisture	%	-	0.1	21.9	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

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towre, New Petchburi Road, Bangkapi, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24125716
Date Received : Nov 14, 2024
Date Reported : Nov 22, 2024
Report Number : 3153587-1

Page 8 of 10

Guideline : Notification of The National Environmental Board B.E.2565, for protect benthic animals

Note : Analysis Results expressed on dry basis.

Sampling By : Korbundit Kitisupavanit

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towe, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24125716
Date Received : Nov 14, 2024
Date Reported : Nov 22, 2024
Report Number : 3153587-1

Page 9 of 10

Sample Number	24125716-5						
Sampled Date	Nov 14, 2024 10:15 AM						
Sample Description	โคลงหน้าโรงรถจนถึงใต้ท้องน้ำ						
Location	SDS : หน่วยงานบริเวณท่าขนถ่ายน้ำมันที่ส่งโครงการประมาณ 400 เมตร						
Date Analysis Commenced	Nov 15, 2024						
Condition of Sample	Packed in one plastic bag, 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							
Arsenic	mg/kg	-	0.50	8.55	≤10	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	5.01	≤31.5	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Hexavalent Chromium	mg/kg	-	0.25	<0.25		United States Environmental Protection Agency, EPA Method 3060 A and 7196 A	Bangkok
Lead	mg/kg	-	1.00	5.33	≤36	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Manganese	mg/kg	-	1.00	372	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	2.60	≤23	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
Zinc	mg/kg	-	1.00	8.18	≤120	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Physical Parameters							
Moisture	%	-	0.1	21.3	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

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towe, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24125716
Date Received : Nov 14, 2024
Date Reported : Nov 22, 2024
Report Number : 3153587-1

Page 10 of 10

Guldellne : Notification of The National Environmental Board B.E.2565, for protect benthic animals

Note : Analysis Results expressed on dry basis.

Sampling By : Kardbudit Kitisupavanit

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

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ภาคผนวก ค-8

ผลการตรวจวิเคราะห์คุณภาพดิน



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towre, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24125718
Date Received : Nov 26, 2024
Date Reported : Dec 04, 2024
Report Number : 3153596-1

Page 1 of 10

Sample Number	24125718-1
Sampled Date	Nov 26, 2024 2:10 PM
Sample Description	Soil ความลึก 30 ซม.
Location	S1 : พื้นที่สีเขียวด้านทิศเหนือของโครงการ
Date Analysis Commenced	Nov 27, 2024
Condition of Sample	Packed in one plastic bag and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/kg	-	0.50	<0.50	≤25	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Barium	mg/kg	-	1.00	2.25	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
Hexavalent Chromium	mg/kg	-	0.25	<0.25	≤212	United States Environmental Protection Agency, EPA Method 3060 A and 7196 A	Bangkok
Iron	mg/kg	-	1.00	422	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Lead	mg/kg	-	1.00	1.72	≤800	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Manganese	mg/kg	-	1.00	8.94	≤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	4.95	≤5205	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
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
Zinc	mg/kg	-	1.00	1.29	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok

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Analysis / Test Report

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2034/115 26TH Fl. Italthai Towre, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24125718
Date Received : Nov 26, 2024
Date Reported : Dec 04, 2024
Report Number : 3153596-1

Page 2 of 10

Sample Number	24125718-1
Sampled Date	Nov 26, 2024 2:10 PM
Sample Description	Soil ความลึก 30 ซม.
Location	S1 : พื้นที่สีเขียวด้านทิศเหนือของโครงการ
Date Analysis Commenced	Nov 27, 2024
Condition of Sample	Packed in one plastic bag and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Physical Parameters							
Moisture	%	-	0.1	3.3	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							
pH aqueous phase 50% (w/v)		-	-	5.2	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 : Pattarapol Sawangjailam

Remark :

- * LOD : Limit of Detection
- * "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towre, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24125718
Date Received : Nov 26, 2024
Date Reported : Dec 04, 2024
Report Number : 3153596-1

Page 3 of 10

Sample Number	24125718-2						
Sampled Date	Nov 26, 2024 2:30 PM						
Sample Description	Soil ความลึก 30 ซม.						
Location	S2 : พื้นที่สีเขียวด้านทิศตะวันออกของโครงการ						
Date Analysis Commenced	Nov 27, 2024						
Condition of Sample	Packed in one plastic bag and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/kg	-	0.50	<0.50	≤25	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Barium	mg/kg	-	1.00	<1.00	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
Hexavalent Chromium	mg/kg	-	0.25	<0.25	≤212	United States Environmental Protection Agency, EPA Method 3060 A and 7196 A	Bangkok
Iron	mg/kg	-	1.00	124	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Lead	mg/kg	-	1.00	<1.00	≤800	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Manganese	mg/kg	-	1.00	2.20	≤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	<1.00	≤5205	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
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
Zinc	mg/kg	-	1.00	1.25	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok

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Analysis / Test Report

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2034/115 26TH Fl. Italthai Towre, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24125718
Date Received : Nov 26, 2024
Date Reported : Dec 04, 2024
Report Number : 3153596-1

Page 4 of 10

Sample Number	24125718-2						
Sampled Date	Nov 26, 2024 2:30 PM						
Sample Description	Soil ความลึก 30 ซม.						
Location	S2 : พื้นที่สีเขียวด้านทิศตะวันออกของโครงการ						
Date Analysis Commenced	Nov 27, 2024						
Condition of Sample	Packed in one plastic bag and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Physical Parameters							
Moisture	%	-	0.1	13.6	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
Soil Testing							
pH aqueous phase 50% (w/v)		-	-	7.9	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 : Pattarapol Sawangjaitam

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

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Analysis / Test Report

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Thailand 10310
P/O : RUN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24125718
Date Received : Nov 26, 2024
Date Reported : Dec 04, 2024
Report Number : 3153596-1

Page 5 of 10

Sample Number	24125718-3						
Sampled Date	Nov 26, 2024 2:52 PM						
Sample Description	Soil ความลึก 30 ซม.						
Location	53 : พื้นที่สีเขียวด้านทิศใต้ของโครงการ						
Date Analysis Commenced	Nov 27, 2024						
Condition of Sample	Packed in one plastic bag and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/kg	-	0.50	4.23	≤25	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Barium	mg/kg	-	1.00	24.7	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
Hexavalent Chromium	mg/kg	-	0.25	<0.25	≤212	United States Environmental Protection Agency, EPA Method 3060 A and 7196 A	Bangkok
Iron	mg/kg	-	1.00	8785	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Lead	mg/kg	-	1.00	6.23	≤800	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Manganese	mg/kg	-	1.00	46.6	≤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	1.14	≤5205	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
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
Zinc	mg/kg	-	1.00	6.05	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
2034/115 26TH Fl. Italthai Towre, New Petchburi Road, Bangkok, Huaykwang, Bangkok
Thailand 10310
P/O : RUN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24125718
Date Received : Nov 26, 2024
Date Reported : Dec 04, 2024
Report Number : 3153596-1

Page 6 of 10

Sample Number	24125718-3						
Sampled Date	Nov 26, 2024 2:52 PM						
Sample Description	Soil ความลึก 30 ซม.						
Location	53 : พื้นที่สีเขียวด้านทิศใต้ของโครงการ						
Date Analysis Commenced	Nov 27, 2024						
Condition of Sample	Packed in one plastic bag and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Physical Parameters							
Moisture	%	-	0.1	4.7	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
Soil Testing							
pH aqueous phase 50% (w/v)		-	-	7.2	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 : Pattarapol Sawangjaitam

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

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Analysis / Test Report

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Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24125718
Date Received : Nov 26, 2024
Date Reported : Dec 04, 2024
Report Number : 3153596-1

Page 7 of 10

Sample Number	24125718-4						
Sampled Date	Nov 26, 2024 3:30 PM						
Sample Description	Soil ความลึก 30 ซม.						
Location	S4 : พื้นที่สิ่งแวดล้อมด้านทิศตะวันตกของโครงการ						
Date Analysis Commenced	Nov 27, 2024						
Condition of Sample	Packed in one plastic bag and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/kg	-	0.50	2.01	≤25	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Barium	mg/kg	-	1.00	7.93	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
Hexavalent Chromium	mg/kg	-	0.25	<0.25	≤212	United States Environmental Protection Agency, EPA Method 3060 A and 7196 A	Bangkok
Iron	mg/kg	-	1.00	4559	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Lead	mg/kg	-	1.00	6.16	≤800	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Manganese	mg/kg	-	1.00	76.9	≤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	<1.00	≤5205	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
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
Zinc	mg/kg	-	1.00	3.27	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok

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Analysis / Test Report

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Thailand 10310
P/O : RJN-LCB-033/66
Project Name : Laemchabang
Project Location :

Lot ID: 24125718
Date Received : Nov 26, 2024
Date Reported : Dec 04, 2024
Report Number : 3153596-1

Page 8 of 10

Sample Number	24125718-4						
Sampled Date	Nov 26, 2024 3:30 PM						
Sample Description	Soil ความลึก 30 ซม.						
Location	S4 : พื้นที่สิ่งแวดล้อมด้านทิศตะวันตกของโครงการ						
Date Analysis Commenced	Nov 27, 2024						
Condition of Sample	Packed in one plastic bag and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Physical Parameters							
Molsture	%	-	0.1	13.6	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
Soil Testing							
pH aqueous phase 50% (w/v)		-	-	6.1	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 : Pattarapol Sawangjaitam

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 ALS. No part of this report may be reproduced in any form without written consent from the laboratory. ALS Laboratory Group (Thailand) Co., Ltd. An ALS Limited Company. This report is not reproduced except in full.

Approved by

Sawitree N.

Sawitree Nolsangiam
Manager

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ภาคผนวก ง

ใบรับรองการสอบเทียบเครื่องมือ



รายการเครื่องมือที่ใช้ในการวิเคราะห์ / ทดสอบ

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รายการเครื่องมือที่ใช้ในการวิเคราะห์ / ทดสอบ

2

doi:10.1371/journal.pone.0142401.g002



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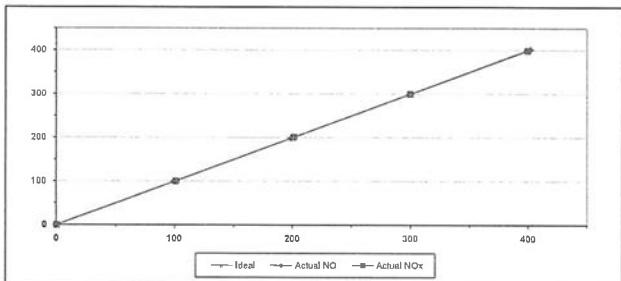
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MULTIPOINT CALIBRATION REPORT

Calibration Date	2-Jul-24	Equipment Name	NOx Analyzer
Manufacturer	HORIBA	Model	APNA-370
Serial No.	H73KYD1M	Equipment ID	BKK_FS0787
Calibrator Manufacturer	Teledyne API	Model	700
Serial No.	847		
Std. Gas Concentration (PPM)	55.88	Cylinder No.	GN0027222
Cylinder Pressure (psi)	1800	Certified By	Algas Inc.
Certified Date	9-Feb-22	Expired Date	9-Feb-30

Point	CALIBRATION RESULTS						
	Ideal	Actual NO	Error NO	%Error NO	Actual NOx	Error NOx	%Error NOx
ZERO	0.00	0.10	0.10	0.10	0.10	0.10	0.10
1	100.00	99.70	-0.30	-0.30	101.00	1.00	1.00
2	200.00	198.60	-1.40	-0.70	201.30	1.30	0.65
3	300.00	299.10	-0.90	-0.30	299.70	-0.30	-0.10
4	400.00	402.10	2.10	0.53	399.50	-0.50	-0.13
AVERAGE (%)				-0.13			0.31



Calibrated By

(Mr. Jirawat Sakam)
Field Environmental Scientist (3)

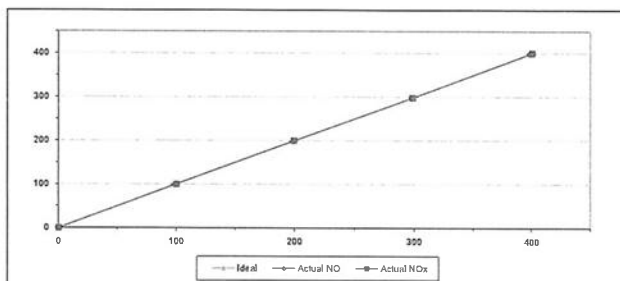
Approved By

(Mr. Sarayuth Jitranont)
Assistant General ManagerALS Laboratory Group
FORM NO. F 05-055 REVISION NO. - ISSUE DATE: 02/04/12

MULTIPOINT CALIBRATION REPORT

Calibration Date	3-Jul-24	Equipment Name	NOx Analyzer
Manufacturer	HORIBA	Model	APNA-370
Serial No.	T2T8YRL	Equipment ID	RYG_FS0457
Calibrator Manufacturer	Teledyne API	Model	700
Serial No.	847		
Std. Gas Concentration (PPM)	55.88	Cylinder No.	GN0027222
Cylinder Pressure (psi)	1800	Certified By	Algas Inc.
Certified Date	9-Feb-22	Expired Date	9-Feb-30

Point	CALIBRATION RESULTS						
	Ideal	Actual NO	Error NO	%Error NO	Actual NOx	Error NOx	%Error NOx
ZERO	0.00	0.10	0.10	0.10	0.10	0.10	0.10
1	100.00	98.30	-1.70	-1.70	100.30	0.30	0.30
2	200.00	198.40	-1.60	-0.80	196.80	-0.20	-0.10
3	300.00	297.90	-2.10	-0.70	298.50	-1.50	-0.50
4	400.00	398.60	-1.40	-0.35	400.80	0.80	0.20
AVERAGE (%)				-0.69			0.00



Calibrated By

(Mr. Jirawat Sakam)
Field Environmental Scientist (3)

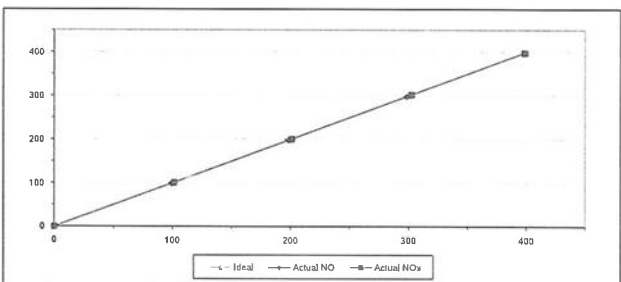
Approved By

(Mr. Sarayuth Jitranont)
Assistant General ManagerALS Laboratory Group
FORM NO. F 05-055 REVISION NO. - ISSUE DATE: 02/04/12

MULTIPOINT CALIBRATION REPORT

Calibration Date	2-Jul-24	Equipment Name	NOx Analyzer
Manufacturer	HORIBA	Model	APNA-370
Serial No.	R26E09EW	Equipment ID	BKK_FS0789
Calibrator Manufacturer	Teledyne API	Model	700
Serial No.	847		
Std. Gas Concentration (PPM)	55.88	Cylinder No.	GN0027222
Cylinder Pressure (psi)	1800	Certified By	Algas Inc.
Certified Date	9-Feb-22	Expired Date	9-Feb-30

Point	CALIBRATION RESULTS						
	Ideal	Actual NO	Error NO	%Error NO	Actual NOx	Error NOx	%Error NOx
ZERO	0.00	0.10	0.10	0.10	0.10	0.10	0.10
1	100.00	99.00	-1.00	-1.00	101.10	1.10	1.10
2	200.00	198.00	-2.00	-1.00	201.10	1.10	0.55
3	300.00	298.50	-1.50	-0.50	302.50	2.50	0.83
4	400.00	398.60	-1.40	-0.35	398.50	-1.50	-0.38
AVERAGE (%)				-0.55			0.44



Calibrated By

(Mr. Jirawat Sakam)
Field Environmental Scientist (3)

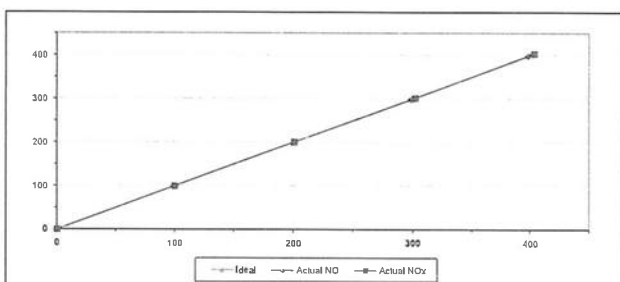
Approved By

(Mr. Sarayuth Jitranont)
Assistant General ManagerALS Laboratory Group
FORM NO. F 05-055 REVISION NO. - ISSUE DATE: 02/04/12

MULTIPOINT CALIBRATION REPORT

Calibration Date	3-Jul-24	Equipment Name	NOx Analyzer
Manufacturer	HORIBA	Model	APNA-370
Serial No.	T95HWM41	Equipment ID	RYG_FS0461
Calibrator Manufacturer	Teledyne API	Model	700
Serial No.	847		
Std. Gas Concentration (PPM)	55.88	Cylinder No.	GN0027222
Cylinder Pressure (psi)	1800	Certified By	Algas Inc.
Certified Date	9-Feb-22	Expired Date	9-Feb-30

Point	CALIBRATION RESULTS						
	Ideal	Actual NO	Error NO	%Error NO	Actual NOx	Error NOx	%Error NOx
ZERO	0.00	0.10	0.10	0.10	0.10	0.10	0.10
1	100.00	98.70	-1.30	-1.30	100.10	0.10	0.10
2	200.00	201.00	1.00	0.50	201.10	1.10	0.55
3	300.00	298.70	-1.30	-0.43	302.10	2.10	0.70
4	400.00	398.40	-1.60	-0.40	403.70	3.70	0.92
AVERAGE (%)				-0.31			0.47



Calibrated By

(Mr. Jirawat Sakam)
Field Environmental Scientist (3)

Approved By

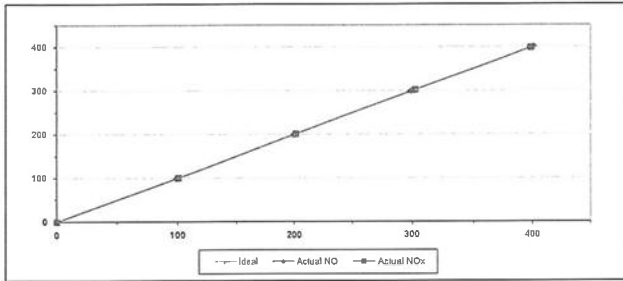
(Mr. Sarayuth Jitranont)
Assistant General ManagerALS Laboratory Group
FORM NO. F 05-055 REVISION NO. - ISSUE DATE: 02/04/12



MULTIPOINT CALIBRATION REPORT

Calibration Date	2-Jul-24	Equipment Name	NOx Analyzer
Manufacturer	HORIBA	Model	APNA-370
Serial No.	148EH0E0	Equipment ID	BKK_FS1064
Calibrator Manufacturer	Teledyne API	Model	700
Serial No.	947		
Std. Gas Concentration (PPM)	55.88	Cylinder No.	GN0027222
Cylinder Pressure (psi)	1800	Certified By	Airgas Inc.
Certified Date	9-Feb-22	Expired Date	9-Feb-30

Point	CALIBRATION RESULTS						
	Ideal	Actual NO	Error NO	%Error NO	Actual NOx	Error NOx	%Error NOx
ZERO	0.00	0.10	0.10	0.10	0.10	0.10	0.10
1	100.00	99.10	-0.90	-0.90	100.70	0.70	0.70
2	200.00	199.30	-0.70	-0.35	201.40	1.40	0.70
3	300.00	298.50	-1.50	-0.50	302.30	2.30	0.77
4	400.00	401.40	1.40	0.35	398.30	-1.70	-0.42
AVERAGE (%)				-0.25			0.37



Calibrated By

(Mr.Jirawut Sakam)
Field Environmental Scientist (3)

Approved By

(Mr.Sarayuth Jitranont)
Assistant General Manager

ALS Laboratory Group

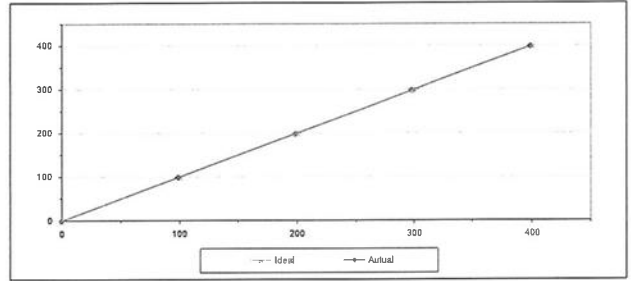
FORM NO. F 06-056 REVISION NO. - ISSUE DATE 02/04/12



MULTIPOINT CALIBRATION REPORT

Calibration Date	4-Jul-24	Equipment Name	SO2 Analyzer
Manufacturer	HORIBA	Model	APSA-370
Serial No.	G2CH436B	Equipment ID	BKK_FS0796
Calibrator Manufacturer	Teledyne API	Model	700
Serial No.	947		
Std. Gas Concentration (PPM)	56.3	Cylinder No.	GN0027222
Cylinder Pressure (psi)	1800	Certified By	Airgas Inc.
Certified Date	9-Feb-22	Expired Date	9-Feb-30

Point	CALIBRATION RESULTS			
	Ideal	Actual	Error	%Error
ZERO	0.00	0.05	0.05	0.05
1	100.00	98.91	-1.09	-1.09
2	200.00	198.10	-1.90	-0.95
3	300.00	298.00	-2.00	-0.67
4	400.00	398.50	-1.50	-0.38
AVERAGE (%)				-0.61



Calibrated By

(Mr.Jirawut Sakam)
Field Environmental Scientist (3)

Approved By

(Mr.Sarayuth Jitranont)
Assistant General Manager

ALS Laboratory Group

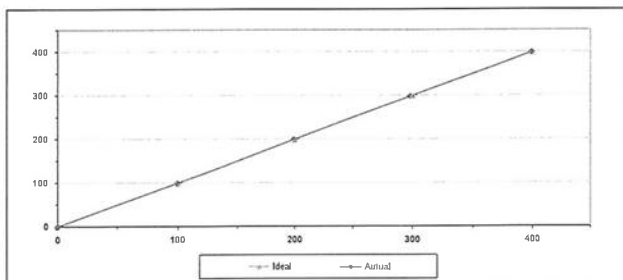
FORM NO. F 06-056 REVISION NO. - ISSUE DATE 02/04/12



MULTIPOINT CALIBRATION REPORT

Calibration Date	5-Jul-24	Equipment Name	SO2 Analyzer
Manufacturer	HORIBA	Model	APSA-370
Serial No.	R0HWYDWW	Equipment ID	RYG_FS0456
Calibrator Manufacturer	Teledyne API	Model	700
Serial No.	947		
Std. Gas Concentration (PPM)	56.3	Cylinder No.	GN0027222
Cylinder Pressure (psi)	1800	Certified By	Airgas Inc.
Certified Date	9-Feb-22	Expired Date	9-Feb-30

Point	CALIBRATION RESULTS			
	Ideal	Actual	Error	%Error
ZERO	0.00	0.10	0.10	0.10
1	100.00	99.70	-0.30	-0.30
2	200.00	199.50	-0.50	-0.25
3	300.00	298.00	-2.00	-0.67
4	400.00	398.90	-1.20	-0.30
AVERAGE (%)				-0.28



Calibrated By

(Mr.Jirawut Sakam)
Field Environmental Scientist (3)

Approved By

(Mr.Sarayuth Jitranont)
Assistant General Manager

ALS Laboratory Group

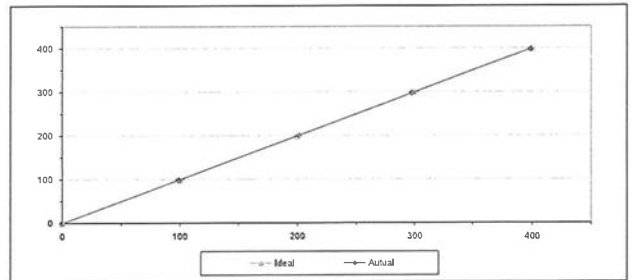
FORM NO. F 06-056 REVISION NO. - ISSUE DATE 02/04/12



MULTIPOINT CALIBRATION REPORT

Calibration Date	4-Jul-24	Equipment Name	SO2 Analyzer
Manufacturer	HORIBA	Model	APSA-370
Serial No.	PFDW4YU4	Equipment ID	BKK_FS0788
Calibrator Manufacturer	Teledyne API	Model	700
Serial No.	947		
Std. Gas Concentration (PPM)	56.3	Cylinder No.	GN0027222
Cylinder Pressure (psi)	1800	Certified By	Airgas Inc.
Certified Date	9-Feb-22	Expired Date	9-Feb-30

Point	CALIBRATION RESULTS			
	Ideal	Actual	Error	%Error
ZERO	0.00	0.05	0.05	0.05
1	100.00	99.10	-0.90	-0.90
2	200.00	201.30	1.30	0.65
3	300.00	298.00	-2.00	-0.67
4	400.00	398.50	-1.40	-0.35
AVERAGE (%)				-0.24



Calibrated By

(Mr.Jirawut Sakam)
Field Environmental Scientist (3)

Approved By

(Mr.Sarayuth Jitranont)
Assistant General Manager

ALS Laboratory Group

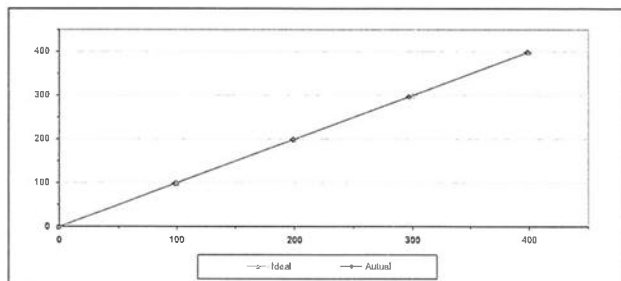
FORM NO. F 06-056 REVISION NO. - ISSUE DATE 02/04/12



MULTIPOINT CALIBRATION REPORT

Calibration Date	5-Jul-24	Equipment Name	SO2 Analyzer
Manufacturer	HORIBA	Model	APSA-370
Serial No.	VABF9LSH	Equipment ID	RYG_FS0460
Calibrator Manufacturer	Teledyne API	Model	700
Serial No.	947		
Std. Gas Concentration (PPM)	56.3	Cylinder No.	GN0027222
Cylinder Pressure (psi)	1800	Certified By	Algas Inc.
Certified Date	9-Feb-22	Expired Date	9-Feb-30

Point	CALIBRATION RESULTS			
	Ideal	Actual	Error	%Error
ZERO	0.00	0.10	0.10	0.10
1	100.00	98.70	-1.30	-1.30
2	200.00	198.80	-1.20	-0.60
3	300.00	296.90	-3.10	-1.03
4	400.00	398.20	-1.80	-0.45
AVERAGE (%)				-0.66



Calibrated By

(Mr.Jirawut Sakam)
Field Environmental Scientist (3)

Approved By

(Mr.Sarayuth Jittrantont)
Assistant General Manager

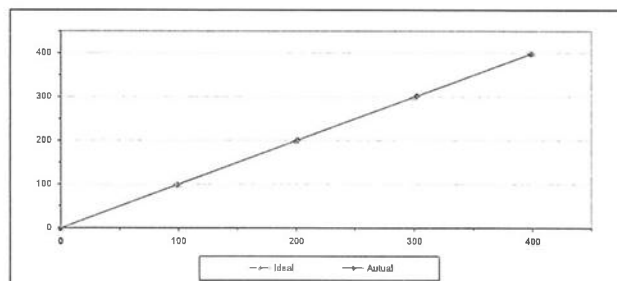
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FORM NO. F 06-056 REVISION NO. - ISSUE DATE: 02/04/12



MULTIPOINT CALIBRATION REPORT

Calibration Date	4-Jul-24	Equipment Name	SO2 Analyzer
Manufacturer	HORIBA	Model	APSA-370
Serial No.	NM3M2DSM	Equipment ID	RYG_FS0266
Calibrator Manufacturer	Teledyne API	Model	700
Serial No.	947		
Std. Gas Concentration (PPM)	56.3	Cylinder No.	GN0027222
Cylinder Pressure (psi)	1800	Certified By	Algas Inc.
Certified Date	9-Feb-22	Expired Date	9-Feb-30

Point	CALIBRATION RESULTS			
	Ideal	Actual	Error	%Error
ZERO	0.00	0.10	0.10	0.10
1	100.00	98.70	-1.30	-1.30
2	200.00	201.40	1.40	0.70
3	300.00	302.30	2.30	0.77
4	400.00	398.30	-1.70	-0.42
AVERAGE (%)				-0.03



Calibrated By

(Mr.Jirawut Sakam)
Field Environmental Scientist (3)

Approved By

(Mr.Sarayuth Jittrantont)
Assistant General Manager

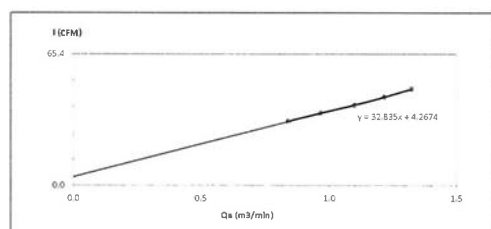
ALS Laboratory Group
FORM NO. F 06-056 REVISION NO. - ISSUE DATE: 02/04/12



High Volume Air Sampler Calibration Worksheet

Project Site:	Rojana Industrial Park Public Co., Ltd.	Barometric Pressure (mm Hg):	752.3
Calibrate Location:	อาคาร A2: โรงบรรจุ	Temperature (°C):	32.5
Calibrate Date:	26-Oct-24	High Volume ID:	RYG_FS0400
Calibration Sheet No:	C-261024-RYG_FS0400	High Volume Model:	TE-S009X
Calibrator ID:	RYG_FS0205	High Volume S/N:	5691
Calibrator Model:	TE-S029A	Calibrator Slope:	0.95561
Calibrator S/N:	1166	Calibrator Intercept:	-0.02266

Test No.	Delta H ₂ O (inch)	Q _a (m ³ /min)	I Chart (CFM)	Linear Regression
1	1.5	0.839	32	Slope: 32.8352 Intercept: 4.2674 Correlation Coefficient: 0.9992
2	2.0	0.966	36	
3	2.6	1.098	40	
4	3.2	1.216	44	
5	3.8	1.323	48	



Calibrated by

(Mr.Santi Chalchana)
RYG-Field Services Scientist (2)

Approved by

(Mr.Supat Salomeh)
RYG-Field Services Section Head

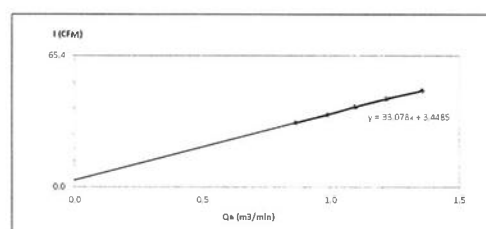
FORM NO. F 06-074 REVISION NO.2 ISSUE DATE: 20/11/23



High Volume Air Sampler Calibration Worksheet

Project Site:	Rojana Industrial Park Public Co., Ltd.	Barometric Pressure (mm Hg):	752.3
Calibrate Location:	อาคาร A2: โรงบรรจุ	Temperature (°C):	32.5
Calibrate Date:	26-Oct-24	High Volume ID:	RYG_FS0399
Calibration Sheet No:	C-261024-RYG_FS0399	High Volume Model:	TE-S009X
Calibrator ID:	RYG_FS0205	High Volume S/N:	5688
Calibrator Model:	TE-S029A	Calibrator Slope:	0.95561
Calibrator S/N:	1166	Calibrator Intercept:	-0.02266

Test No.	Delta H ₂ O (inch)	Q _a (m ³ /min)	I Chart (CFM)	Linear Regression
1	1.6	0.866	32	Slope: 33.0781 Intercept: 3.4405 Correlation Coefficient: 0.9990
2	2.1	0.989	36	
3	2.6	1.090	40	
4	3.2	1.216	44	
5	4.0	1.356	48	



Calibrated by

(Mr.Santi Chalchana)
RYG-Field Services Scientist (2)

Approved by

(Mr.Supat Salomeh)
RYG-Field Services Section Head

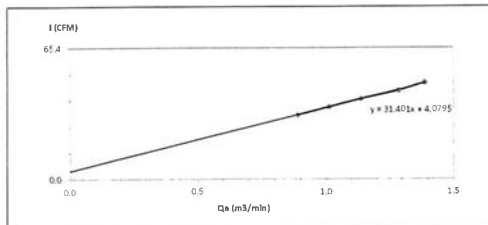
FORM NO. F 06-074 REVISION NO.2 ISSUE DATE: 20/11/23



High Volume Air Sampler Calibration Worksheet

Project Site: Bojana Industrial Park Public Co., Ltd. Barometric Pressure (mm Hg): 752.3
 Calibrate Location: สถานี A3: โรงงานผลิตคอนกรีต Temperature (°C): 32.5
 Calibrate Date: 26-Oct-24 High Volume ID: RYG-FS0187
 Calibration Sheet No.: C-261024-RYG-FS0187 High Volume Model: TE-5009X
 Calibrator ID: RYG-FS0205 High Volume S/N: 4795
 Calibrator Model: TE-5028A Calibrator Slope: 0.95561
 Calibrator S/N: 1166 Calibrator Intercept: -0.02266

Test No.	Delta H ₂ O (Inch)	Qa (m ³ /min)	I: Chart (CFM)	Linear Regression
1	1.7	0.892	32	Slope: 31.4011 Intercept: 4.0795 Correlation Coefficient: 0.9987
2	2.2	1.012	36	
3	2.8	1.139	40	
4	3.6	1.288	44	
5	4.2	1.389	48	



Calibrated by: [Signature]
 (Mr. Santti Chaihana)
 RYG-Field Services Scientist (2)

Approved by: [Signature]
 (Mr. Supot Salmtch)
 RYG-Field Services Section Head

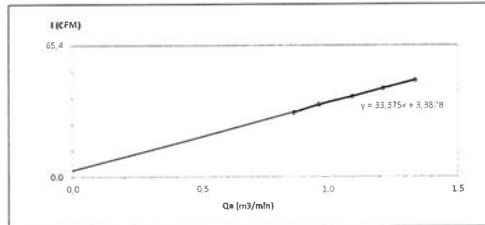
FORM NO. F 06-074 REVISION NO.2 ISSUE DATE: 20/11/23



High Volume Air Sampler Calibration Worksheet

Project Site: Bojana Industrial Park Public Co., Ltd. Barometric Pressure (mm Hg): 752.3
 Calibrate Location: สถานี A4: โรงงานปูน Temperature (°C): 32.5
 Calibrate Date: 26-Oct-24 High Volume ID: RYG-FS0398
 Calibration Sheet No.: C-261024-RYG-FS0398 High Volume Model: TE-5009X
 Calibrator ID: RYG-FS0205 High Volume S/N: 5684
 Calibrator Model: TE-5028A Calibrator Slope: 0.95561
 Calibrator S/N: 1166 Calibrator Intercept: -0.02266

Test No.	Delta H ₂ O (Inch)	Qa (m ³ /min)	I: Chart (CFM)	Linear Regression
1	1.6	0.866	32	Slope: 33.3750 Intercept: 3.3070 Correlation Coefficient: 0.9992
2	2.0	0.966	36	
3	2.6	1.098	40	
4	3.2	1.216	44	
5	3.9	1.340	48	



Calibrated by: [Signature]
 (Mr. Santti Chaihana)
 RYG-Field Services Scientist (2)

Approved by: [Signature]
 (Mr. Supot Salmtch)
 RYG-Field Services Section Head

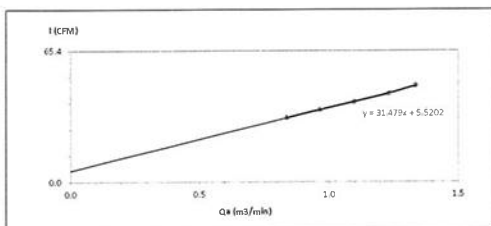
FORM NO. F 06-074 REVISION NO.2 ISSUE DATE: 20/11/23



High Volume Air Sampler Calibration Worksheet

Project Site: Bojana Industrial Park Public Co., Ltd. Barometric Pressure (mm Hg): 752.3
 Calibrate Location: สถานี S โรงงานปูน (บริเวณอาคาร 56) Temperature (°C): 32.5
 Calibrate Date: 26-Oct-24 High Volume ID: RYG-FS0190
 Calibration Sheet No.: C-261024-RYG-FS0190 High Volume Model: G1051
 Calibrator ID: RYG-FS0205 High Volume S/N: 1625
 Calibrator Model: TE-5028A Calibrator Slope: 0.95561
 Calibrator S/N: 1166 Calibrator Intercept: -0.02266

Test No.	Delta H ₂ O (Inch)	Qa (m ³ /min)	I: Chart (CFM)	Linear Regression
1	1.5	0.859	32	Slope: 31.4787 Intercept: 5.5202 Correlation Coefficient: 0.9992
2	2.0	0.966	36	
3	2.6	1.098	40	
4	3.3	1.234	44	
5	3.9	1.240	48	



Calibrated by: [Signature]
 (Mr. Santti Chaihana)
 RYG-Field Services Scientist (2)

Approved by: [Signature]
 (Mr. Supot Salmtch)
 RYG-Field Services Section Head

FORM NO. F 06-074 REVISION NO.2 ISSUE DATE: 20/11/23

Sartorius (Thailand) Co., Ltd.

120 Rama 9 Road, Huaykwang, Huaykwang, Bangkok 10310
 Tel: +66 2542 8351-6, e-mail: service.thailand@sartorius.com



SARTORIUS

Certificate of Calibration

Model Number: LA130S-F Certificate No.: 24BCI0068
 Description: Analytical Balance Issued Date: Friday, February 23, 2024
 Serial Number: 25405664 Reference No.: 229195
 ID No.: RYG_EN0001
 Manufacturer: Sartorius Page No.: 1 of 1

Customer Name: ALS Laboratory Group (Thailand) Co., Ltd. (Rayong Branch)
616/10 Moo 5 T. Maenam Khu, A. Pluak Daeng, Rayong 21140, Thailand
 Calibrated Place: ALS Laboratory Group (Thailand) Co., Ltd. (Balance Room)
616/10 Moo 5 T. Maenam Khu, A. Pluak Daeng, Rayong 21140, Thailand

Calibrated By: Mr. Chonchai Irtihana Calibration Procedure No.: This calibration was conducted by Using in-house calibration procedure number (WI-003) Based on UKAS LAB 14 : 2019
 Calibration Date: Thursday, February 22, 2024

Metrological data: Capacity: 150 g Readability: 0.0001 g
 Reasons for calibration: ☒ New Installation ☐ Service / Repair ☐ Re-calibration / Maintenance
 Ambient Conditions: Temperature: 23.6 °C ± 5.0 °C Humidity: 54.0 % RH ± 10.0 % RH Pressure: ±
 Equipment Condition: ☒ Good Operation ☐ Fair

Measurement Method UKAS Publication Ref: Lab 14
 The measurement uncertainty stated is the expanded uncertainty which is obtained from the standard uncertainty multiplied by the coverage factor (k=2) to provide a level of confidence of approximately 95%. It is determined in accordance with the Guide to Expression of Uncertainty in Measurement (GUM). The calibration certificate documents the traceability to National Standards, which realise the unit of measurement according to the International Standard System of Units (SI). Report of Tolerance came from list of Sartorius Metrological Specifications

Traceability:

Model Number	Description	Traceability	Certificate No.	Due Date
YCS011-522-00	Sartorius weight set 1mg - 5000g E2 YCS011-522-00	TCS	M2308197S	23-Aug-2025
MHB-382SD	Humidity/Balometer/Temp. Lubron MHB-382SD	DKSH	C1923184S	23-Aug-2024

This certificate relate and apply this equipment only.

This certificate may not be reproduced other than in full except with the prior written approval of the Verification Operation Division Sartorius (Thailand) Co., Ltd.

SOP FM 33 03 February 2022

Mr. Chonchai Irtihana (Technical Manager)





Certificate of Calibration

Model Number : LA130S-F
Description : Analytical Balance
Serial Number : 25409684
ID No. : RYG_EN0001
Manufacturer : Sartorius

Certificate No. : 24BC10068
Issued Date : Friday, February 23, 2024
Reference No. : 229198
Page No. : 2 of 2

Calibration Results : Without Adjustment

Repeatability		Eccentricity (Off-center loading error)	
<p>The reproducibility is the ability of a weighing instrument to display nearly identical readings under constant test conditions when the same load within a measurement range is placed repeatedly on the weighing pan in the same manner. The standard deviation is used to express reproducibility quantitatively.</p>		<p>The off-center loading error is yielded by the difference between the result of the load, i.e. 1/4 of maximum capacity, placed in the middle of the weighing pan and between each of four additional measurement points (positions defined according to OIML R110).</p>	
Nominal Value : (Low Load)	10.0000	99.9999	
10 g	10.0000	100.0000	
Tolerance	10.0000	100.0001	
0.0001 g	10.0000	100.0001	
	9.9999	100.0000	
Nominal Value : (High Load)	10.0000	100.0001	
100 g	10.0000	100.0000	
Tolerance	10.0000	100.0001	
0.0001 g	9.9999	100.0002	
	9.9999	100.0001	
Standard Deviation	0.00005	0.00008	

Linearity				
<p>The linearity, also called linearity error, describes the deviation of the characteristic curve of a weighing instrument from the linear slope.</p>				
Tolerance	0.0002 g			
Nominal Value	Conventional Mass Value	Displayed Value	Deviation	Uncertainty
(g)	(g)	(g)	(g)	(g)
0.01	0.0100	0.0100	0.0000	0.00020
0.05	0.0500	0.0500	0.0000	0.00021
0.1	0.1000	0.1000	0.0000	0.00021
0.5	0.5000	0.5000	0.0000	0.00021
1	1.0000	1.0000	0.0000	0.00021
2	2.0000	2.0000	0.0000	0.00021
5	5.0000	5.0000	0.0000	0.00021
10	10.0000	10.0001	0.0001	0.00024
20	20.0000	20.0001	0.0001	0.00021
100	100.0000	99.9999	-0.0001	0.00024

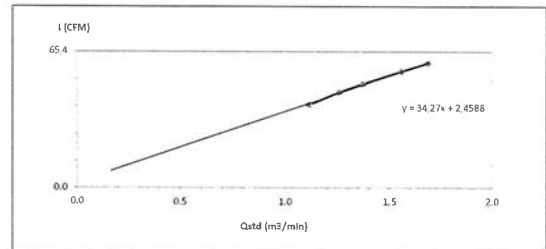
End of Report.

SOP FM 33 03 February 2022

High Volume Air Sampler Calibration Worksheet

Project Site : Rojana Industrial Park Public Co., Ltd.
Barometric Pressure (mm Hg) : 752.3
Calibrate Location : สถานี 1 วัดคุณภาพสิ่งแวดล้อม
Temperature (°C) : 32.5
Calibrate Date : 26-Oct-24
High Volume ID : RYG_FS0396
Calibration Sheet No. : C-261024-RYG_FS0396
High Volume Model : TE-5170D
Calibrator ID : RYG_FS0205
High Volume S/N : 5688
Calibrator Model : TE-5028A
Calibrator Slope : 1.52567
Calibrator S/N : 1166
Calibrator Intercept : -0.03613

Test No.	Delta H ₂ O (Inch)	Q _{std} (m ³ /min)	I: Chart (CFM)	Linear Regression
1	2.8	1.1139	40	Slope: 34.2697
2	3.6	1.2582	46	Intercept: 2.4588
3	4.3	1.3717	50	Correlation Coefficient: 0.9980
4	5.6	1.5693	56	
5	6.6	1.6908	60	



Calibrated by : (Mr. Santi Chaichana)
RYG-Field Services Scientist (2)

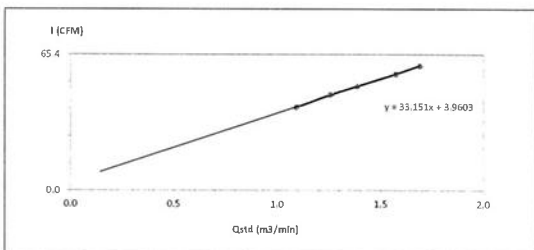
Approved by : (Mr. Supot Salamteb)
RYG-Field Services Section Head

FORM NO.: F 06-073 REVISION NO.:2 ISSUE DATE: 20/11/23

High Volume Air Sampler Calibration Worksheet

Project Site : Rojana Industrial Park Public Co., Ltd.
Barometric Pressure (mm Hg) : 752.3
Calibrate Location : สถานี A2 วัดคุณภาพสิ่งแวดล้อม
Temperature (°C) : 32.5
Calibrate Date : 26-Oct-24
High Volume ID : RYG_FS0661
Calibration Sheet No. : C-261024-RYG_FS0661
High Volume Model : TE-5009X
Calibrator ID : RYG_FS0205
High Volume S/N : 6258
Calibrator Model : TE-5028A
Calibrator Slope : 1.52567
Calibrator S/N : 1166
Calibrator Intercept : -0.03613

Test No.	Delta H ₂ O (Inch)	Q _{std} (m ³ /min)	I: Chart (CFM)	Linear Regression
1	2.7	1.0944	40	Slope: 33.1510
2	3.6	1.2592	46	Intercept: 3.9603
3	4.4	1.3871	50	Correlation Coefficient: 0.9996
4	5.7	1.5738	56	
5	6.6	1.6908	60	



Calibrated by : (Mr. Santi Chaichana)
RYG-Field Services Scientist (2)

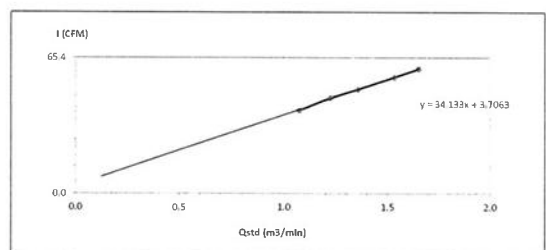
Approved by : (Mr. Supot Salamteb)
RYG-Field Services Section Head

FORM NO.: F 06-073 REVISION NO.:2 ISSUE DATE: 20/11/23

High Volume Air Sampler Calibration Worksheet

Project Site : Rojana Industrial Park Public Co., Ltd.
Barometric Pressure (mm Hg) : 752.3
Calibrate Location : สถานี A3 วัดคุณภาพสิ่งแวดล้อม
Temperature (°C) : 32.5
Calibrate Date : 26-Oct-24
High Volume ID : RYG_FS0180
Calibration Sheet No. : C-261024-RYG_FS0180
High Volume Model : TE-5170D
Calibrator ID : RYG_FS0205
High Volume S/N : 1328
Calibrator Model : TE-5028A
Calibrator Slope : 1.52567
Calibrator S/N : 1166
Calibrator Intercept : -0.03613

Test No.	Delta H ₂ O (Inch)	Q _{std} (m ³ /min)	I: Chart (CFM)	Linear Regression
1	2.6	1.0746	40	Slope: 34.1331
2	3.6	1.2237	46	Intercept: 3.7063
3	4.2	1.3561	50	Correlation Coefficient: 0.9991
4	5.4	1.5328	56	
5	6.3	1.6527	60	



Calibrated by : (Mr. Santi Chaichana)
RYG-Field Services Scientist (2)

Approved by : (Mr. Supot Salamteb)
RYG-Field Services Section Head

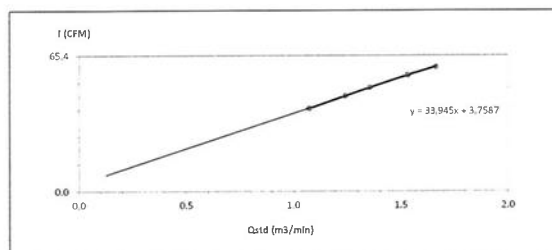
FORM NO.: F 06-073 REVISION NO.:2 ISSUE DATE: 20/11/23



High Volume Air Sampler Calibration Worksheet

Project Site:	<u>Regana Industrial Park Public Co., Ltd</u>	Barometric Pressure (mm Hg):	<u>752.3</u>
Calibrate Location:	<u>สถานี A5: ฟาร์มกัญชากัญชารักษาโรค (ม.จ.นครราชสีมา)</u>	Temperature (°C):	<u>32.5</u>
Calibrate Date:	<u>26-Oct-24</u>	High Volume ID:	<u>RYG_F50175</u>
Calibration Sheet No.:	<u>C-261024-RYG_F50175</u>	High Volume Model:	<u>7E-5170D</u>
Calibrator ID:	<u>RYG_F50205</u>	High Volume S/N:	<u>4801</u>
Calibrator Model:	<u>TE-5028A</u>	Calibrator Slope:	<u>1.5267</u>
Calibrator S/N:	<u>1166</u>	Calibrator Intercept:	<u>-0.03613</u>

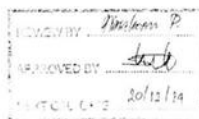
Test No.	Delta H ₂ O (inch)	Q _{std} (m ³ /min)	I: Chart (CFM)	Linear Regression	
1	2.6	1.0746	40	Slope:	33,9453
2	3.5	1.2411	46	Intercept:	3,7587
3	4.2	1.3561	50	Correlation Coefficient:	0,9995
4	5.4	1.5328	56		
5	6.4	1.6655	60		



(Mr. Supot Salamteh)
RYG-Field Services Section Head

(Mr. Supot Salamteh)
RYG-Field Services Section Head

FORM NO: F 06-073 REVISION NO:2 ISSUE DATE: 20/11/23



Certificate Number

CC-014-66

Page 2 of 2 Pages

MEASUREMENT RESULTS³

The gas analyser, Unit Under Calibration (UUC) was exercised at 10 ml/s for 5 minutes prior to calibration being performed. The standard air velocity 0.5 m/s to 5 m/s was calculated by a standard air velocity transducer and above 5 m/s to 30 m/s was calculated by a pitot tube with pressure differential pressure transducer which installed 40 mm and 300 mm, respectively under from wind tunnel nozzle. UUC was installed at centres of the test section. The calibration was carried out under both rising and falling air velocity in the range of : ml/s to 16 ml/s at calibration interval of 1 ml/s. The results of calibration and associated measurement uncertainties are reported in the table below.

x_{air} [m/s]	Temp. wind tunnel [°C]	Temp. room [°C]	x_{air} [m/s]	Error [%]	\bar{Q} [W/m ²]
2.03	24.20	24.15	0.9	-0.1	0.12
3.026	24.02	24.15	1.9	-0.1	0.21
3.033	24.34	24.15	3.0	0.6	0.31
4.112	24.02	24.15	4.0	-0.1	0.31
5.03	24.28	24.15	5.0	0.0	0.33
5.90	24.12	24.15	6.0	0.0	0.33
7.05	24.22	24.15	7.1	0.0	0.33
8.46	24.20	24.15	8.0	-0.1	0.33
9.09	24.20	24.15	9.0	-0.1	0.33
10.08	24.14	24.15	10.0	-0.1	0.33
11.14	24.18	24.15	11.1	-0.1	0.33
12.13	24.18	24.15	12.2	0.3	0.33
13.19	24.18	24.15	13.2	0.0	0.33
15.24	24.14	24.15	14.3	-0.1	0.33
15.23	24.10	24.15	15.1	-0.3	0.33
16.22	24.10	24.15	16.3	-0.0	0.33

Remarks

Calibration results only count for the tested circumstances and environmental conditions during which calibration took place.

^b Velocity of standard.¹⁰ Velocity of Unit Under Calibration.

PHOTO OF CALIBRATION SET-UP



Calibration set up of the cup anemometer calibration in the wind tunnel of Janatex Associates Co., Ltd. The cup anemometer shown may differ from the calibrated one. Remains the proportion of the set up is not free to scale due to manufacturing variability.

End of Certificate of Calibration
NAC
IRANATE ASSOCIATES CO.

Page 1 of 2 Pages.

MEASUREMENT ITEM

MEASUREMENT ITEM	Cup anemometer
MANUFACTURER	Nivalynx
MODEL/TYPE	Sensirion WS-02FA
	Data logger: 119
SERIAL NUMBER	Sensor: W50-A55
	Data logger: A597
ID NUMBER	RYG_F50648
CONDITION AS-RECEIVED	New item
CUSTOMER	ALS laboratory group

RECEIVED DATE	: 16 Jun 2023
MEASUREMENT DATE	: 20 Jun 2023
ISSUE DATE	: 20 Jun 2023

ENVIRONMENTAL CONDITIONS:

Ambient condition in the laboratory are as follow:

Temperature	23.0 ± 3.0	°C
Relative Humidity	55.0 ± 15.0	%RH
Atmospheric Pressure	1010 ± 10	hPa

PLACE OF CALIBRATION : Diffa-type wind tunnel of Jiranatee Associates Co., Ltd.

CALIBRATION CONDITIONS			
Wind tunnel cross-section area	900	cm ²	
Wind direction frontal area	100	cm ²	
Diameter of mounting pipe	=	cm	
Blockage ratio of test object	0.111		

Preconditioning: 24 hours at ambient conditions.
Measurement Condition: The average values during measurement.

TABULATION OF RESULTS:

The table contents give the measured values.

Calibrated by
☒ Mr. Sunwit Thachabul
☐ Miss Jiraporn Lamsamphol

Remark:

- 1) Net cross-section area of the wind tunnel
- 2) Projected cross section area of the tested object include mounting plate
- 3) Diameter of mounting pipe
- 4) R_{obj}^2 to

Calibration procedure:

Calibration procedure: The cup anemometer was calibrated against Standard air velocity transducer model 8455-37 and pitot tube with precision differential pressure meter model DPV3500 in an open test-section of open jet type wind tunnel with 900 cm² cross test-section area. The WtC-007 based on IEC 61400-12-1, Wind energy generation systems - Part 12-1, Power performance measurements of electricity producing wind turbines, March 2017 was used as a calibration guideline.

Traceability:
This certificate provides a traceability of the measurement to recognized the national standards, and to realization of the international system of units (SI) through the NIMT (National Metrology Institute of Thailand) via Certificate number: MN-0052-21 and MN-0066-22

Uncertainty of Measurement:
The reported uncertainty of measurement is based on the standard uncertainty multiplied by a coverage factor $k=2$. Which for a normal distribution corresponds to a coverage probability of approximately 95%. The standard uncertainty has been determined in accordance with the GUM 'Evaluation of measurement data - Guide to the expression of uncertainty in measurement'.

1011.4 hPa

Approved signature: _____

Mr. Paitinya Aporncharueh
Calibration Department Manager

THIS CERTIFICATE OF CALIBRATION MAY NOT BE REPRODUCED EXCEPT IN FULL UNLESS PERMISSION FOR REPRODUCTION HAS BEEN OBTAINED
IN WRITING FROM THE LABORATORY



JIRANATEE ASSOCIATES CO., LTD.

Jirantee Associates Co., Ltd.
63/14-15, 67/35-36,
Petchkasem 7/71, Rd. Wattana, Bangkok 10600
Bangkok 10600 Thailand
Tel: 02-8680812
Fax: 02-8680860
E-mail: info@jiranatee.co.th
Website: www.jiranatee.co.th

Accredited calibration laboratory
ISO/IEC 17025:2017
MSC-10115 17025
CALIBRATION 0367

Air speed measurement laboratory
Calibration services department

Certificate Number

CD 014-66

CERTIFICATE OF CALIBRATION

Page 1 of 2 Pages

MEASUREMENT ITEM

MANUFACTURER

MODEL/TYPE

SERIAL NUMBER

ID NUMBER

CONDITION AS-RECEIVED

CUSTOMER

Wind Direction Sensor

Novolyns

Sensor: WS-02FA

Data logger: 110-WS-25DL-D

Sensor: WSD-A5978

Data logger: A5978

RYG_FS0648

New Item

ALS laboratory group (Thailand) Co., Ltd.
104 Phatthanakan 40, Phatthanakan Rd, Khwaeng Suan Luang,
Khet Suan Luang, Bangkok 10250 Thailand

Calibration procedure:

The wind direction sensor was calibrated against
Standard Rotary Encoder model: A1400975
DMM PJ-3-103 in an open test-section of "Emel-
type" wind tunnel with 900 cm² cross-section
area. The WI-CL-005 board on IEC 61400-12-1,
Wind energy generation systems - Part 12-1:
Power performance measurements of electricity
producing wind turbines, March 2017 was used as
a calibration guideline.

Traceability:

This certificate provides a traceability of the
measurement to the realization of the national
system of units (SI) through the National
Metrology Institute of Thailand (NIMT) via Certificate
number: DA-0043-22

Uncertainty of Measurement:

The reported uncertainty of measurement is
based on the standard uncertainty multiplied by a
coverage factor k=2, which for a normal
distribution corresponds to a coverage probability
of approximately 95%. The standard uncertainty
has been determined in accordance with the GUM
"Evaluation of measurement data - Guide to the expression of uncertainty in
measurement"

RECEIVED DATE

MEASUREMENT DATE

ISSUE DATE

16 Jun 2023

20 Jun 2023

20 Jun 2023

ENVIRONMENTAL CONDITIONS:

Ambient condition in the laboratory are as follows:

Temperature: 23.0 ± 0.0 °C
Relative Humidity: 55.0 ± 15.0 %RH
Atmospheric Pressure: 1010 ± 10 hPa

PLACE OF CALIBRATION

Emel-type wind tunnel of Jiranatee Associates Co., Ltd.

CALIBRATION CONDITION

Wind tunnel cross-section area¹ 900 cm²
Wind direction frontal area² 129 cm²
Diameter of mounting pipe 1 mm
Blockage ratio of test object³ 0.143 [-]

Preconditioning

Measurement Condition

24 hours at ambient conditions.

The average values during measurement are (74.3)°C, (48.2) %RH and (1009.3) hPa

TABULATION OF RESULTS:

The table on next page give the measured values.

Calibrated by:

Mr. Surawit Thachalad
Miss Jitraporn Lertsomphol



Approved Signatory

Mr. Pannya Booncharoen
Calibration Department Manager

Remark:

¹ Average cross-section area of the wind tunnel

² Augmented cross-section area of the tested object include mounting pipe

³ Diameter of mounting pipe

⁴ Basic Unit

THIS CERTIFICATE OF CALIBRATION MAY NOT BE REPRODUCED EXCEPT IN FULL UNLESS PERMISSION FOR REPRODUCTION HAS BEEN OBTAINED
IN WRITING FROM THE LABORATORY



63/14-15, 67/35-36, Soi Petchkasem 7/71, Petchkasem Rd,
Wattana, Bangkok 10600 Thailand.
Tel: (66) 02-8680812 Fax: (66) 02-8680860 www.jiranatee.co.th



63/14-15, 67/35-36, Soi Petchkasem 7/71, Petchkasem Rd,
Wattana, Bangkok 10600 Thailand.
Tel: (66) 02-8680812 Fax: (66) 02-8680860 www.jiranatee.co.th



CERTIFICATE OF CALIBRATION

Certificate No.: CT-024-66
Page 1 of 2

Equipment Name: Data Logger with Temperature sensor

Manufacturer: Novolyns
Model: 110-WS-25DL-D
Serial No.: A5978
ID No.: RYG_FS0648

Customer

Name: ALS laboratory group (Thailand) Co., Ltd.
Address: 104 Phatthanakan 40, Phatthanakan Rd.,
Khwaeng Suan Luang, Khet Suan Luang, Bangkok
10250 Thailand.

Reference Used During Calibration

1 Standard Temperature Probe Model: STS-100 A500,
Serial No.: 667662-09, Due date: 28 Mar 2024
2 Digital Temperature Indicator Model: DTI-2000-A MK
II, Serial No.: 671407-03591 Due date: 22 July 2023

Received date: 16 Jun 2023

Calibration date: 20 Jun 2023

Issue date: 22 Jun 2023

Calibration Condition

Temperature: (23±3)°C
Relative Humidity: (55±15)%

Traceability

The measurement results are traceable to the
international system of units (SI) through National
Institute of Metrology Thailand (NIMT) Certificate
number: TT-0038-23, Certificate number: CR-0092-
22

Calibration Procedure

The temperature calibration was done by in-house
calibration method as WI-CL-001 according to
comparator method with standard digital temperature
indicator and standard temperature probe. The
temperature scale use was based on ITS-90.

Noted: The certificate is valid only to the item calibrated on date and place of calibration.

Calibrated by

Mr. Surawit Thachalad
Miss Jitraporn Lertsomphol
Miss Rungnirai Phoomin



Approved Signatory

Mr. Pannya Booncharoen
Calibration Department Manager

Page 2 of 2 Pages

MEASUREMENT RESULTS⁵

The wind direction sensor was calibrated against standard rotary encoder by comparison method. During calibration, the measurement was carried out at 45° intervals in clockwise and counterclockwise directions after other adjustment has been made. The flow speed of wind tunnel (usually 5 m/s) is kept constant where the sensor is exposed around its vertical axis. The results of calibration and associated measurement uncertainties are reported in the table below.

Air speed	D ₁ _{meas}	D ₁ _{ref}	Error	U (k=2)
m/s	Degree (°)	Degree (°)	Degree (°)	Degree (°)
	0.000	0	0	1.0
	45.000	43	-2	1.0
	90.000	88	-2	1.0
5.00	135.000	133	-2	1.0
	180.000	180	0	1.0
	225.000	226	1	1.0
	270.000	272	2	1.0
	315.000	318	3	1.0

Remarks:

⁵ Calibration results only count for the tested circumstances and environmental conditions during which calibration was done

¹ Direction of standard

² Direction of Unit Under Calibration

End of Certificate of Calibration



Certificate No.: CT-024-66
Page 2 of 2

Result of Calibration: ☒ Without Adjustment ☐ With Adjustment

Calibration Range: 20 - 40 °C

Function:

This equipment was connected with temperature sensor Model: HMP60 S/N: V1920213.

Dimension : Diameter 12 mm, Length 80 mm.

Immersion Depth (mm)	Standard Reading (°C)	UUC Reading (°C)	Error (°C)	Uncertainty (°C)
70	20.057	20.0	-0.1	0.099
70	25.052	24.9	-0.2	0.099
70	30.045	29.8	-0.2	0.14
70	35.039	34.8	-0.2	0.099
70	40.034	39.7	-0.3	0.099

UUC* = Unit Under Calibration

The reported expanded uncertainty is based on standard uncertainty multiplied by a coverage factor k=2 providing a level of confidence of approximately 95%.

★ End of Certificate ★



THIS CERTIFICATE MAY NOT BE REPRODUCED EXCEPT IN FULL UNLESS PERMISSION FOR REPRODUCTION HAS
BEEN OBTAINED IN WRITING FROM THE LABORATORY



63/14-15,67/35-36, Soi Polchhasom 7/71, Polchhasom Rd,
Walthapra, Bangkokyai, Bangkok 10600 Thailand,
Tel: (66) 02-8680812#13 Fax: (66) 02-8680860 www.jiranatee.com

CERTIFICATE OF CALIBRATION

Calibration No.: RH-07062023
Page 1 of 1 Pages

Measurement Item : Relative humidity with data logger
Manufacturer : Novatym
Model/Type : 110-W5-25DL-D
Serial Number : A5978
ID No. : RYG_FSD648
Customer : ALS Laboratory group (Thailand) Co., Ltd
: 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Suan Luang, Khet Suan Luang, Bangkok
10250 Thailand.

Environmental Condition:
The measurement was carried out in an ambient temperature of (25.3±3)°C, and relative humidity of (50.1±5)%.

Measurement Method:
Unit Under Calibration (UUC) was calibrated by comparison method with standard chilled mirror hygrometer model, 1860 2 in the humidity generator chamber to determine the errors.

Traceability:
This instrument was calibrated using standard equipment whose accuracy is traceability through National Institute of Standards and Technology to the international system of units (SI) via MCS Calibration, Inc. Certificate number: 20926-601, Due date: Sep 26, 2024.

Measurement Date : Jun 20, 2023
Issued Date : Jun 22, 2023

Measurement Results

This equipment was connected with indoor air quality probe and Displayed (URH) on display, Model: HMP60, Serial number, V1920213.

Calibration was performed in the range of 90%RH to 80%RH

The results of calibration are reported in table below.

Determinant (%RH)	Standard reading (%RH)	UUC reading (%RH)	Error (%RH)	Uncertainty ±(%RH)
20	20.07	20.7	0.6	0.52
60	60.23	49.1	1.1	0.51
80	80.30	79.1	-1.2	0.51

Performed by
☒ Mr. Sorawit Thachaleed
☒ Miss Jitraporn Lertsuiphol
☐ Miss Ruangrumpai Phoomnil



Approved Signatory:
Mr. Parinya Booncharoen
Calibration Department Manager



Accredited calibration laboratory
ISO/IEC 17025:2017
NSC-TISI-TIS 17025
CALIBRATION 0367
Pressure measurement laboratory
Calibration services department.



CERTIFICATE OF CALIBRATION

Certificate No.: CP-008 66

Page 1 of 2 Pages

MEASUREMENT ITEM
MANUFACTURER
MODEL/TYPE

Digital barometer
Novatym
Sensor: 110-W5-25BP
Data logger: 110-W5-25DL-D

SERIAL NUMBER

Sensor: SH A5978
Data logger: A5978

ID NUMBER

RYG_FSD648

CONDITION AS-RECEIVED
CUSTOMER

New item
ALS Laboratory group (Thailand) Co., Ltd
104 Phatthanakan 40, Phatthanakan Rd.,
Khwaeng Suan Luang, Khet Suan Luang,
Bangkok 10250 Thailand.

RECEIVED DATE

16 Jun 2023

MEASUREMENT DATE

20 Jun 2023

ISSUE DATE

20 Jun 2023

Calibration procedures:

The pressure calibration was done by in-house calibration method as per CL-003 according to comparison method with Digital pressure calibrator based on DIX-D 5.1

Traceability:

The measurement results are traceable to the international system of units (SI) through the NIMT (National Metrology Institute of Thailand) via Certificate number: MP-0205-22

The reported uncertainty is based on a standard uncertainty multiplied by a coverage k=2, providing a level of confidence of approximately 95%.

CONDITION OF THIS RESULT OF CALIBRATION:

1. Reference Standard Instrument:

Instrument	Model	Serial No.	Certificate No.	Due Date
Absolute Pressure Transducer	CPG2500	4100124P	MP-0205-22	02 Dec 2023

2. Calibration effort for calibration sequence C

3. The UUC* was installed in vertical orientation above reference standard instrument and center of UUC* was used as the reference level.

4. Calibration conditions:

Condition	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Abnormal
Pressure transmitting medium	• Air
• 130°C, 1 bar	• 1.15 kg/m ³
• Humidity	• (55±15) %
• Temp	• (23±3) °C
• Press	• (1010±10) mbar

5. The certificate is valid only to the item calibrated on date and place of calibration.

Calibrated by:
☒ Mr. Sorawit Thachaleed
☐ Miss Jitraporn Lertsuiphol



Approved signatory:
Mr. Parinya Booncharoen
Calibration Department Manager

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Pressure measurement laboratory
Calibration services department.



SITHIPORN ASSOCIATES CO., LTD. CALIBRATION LABORATORY

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Cert. No.: ACC24008
Pages : 1 of 3

CERTIFICATE OF CALIBRATION

Certificate No.: CP-008 66

Page 2 of 2 Pages

MEASUREMENT RESULTS ☒ Without adjustment ☐ With adjustment

CALIBRATION IN THE RANGE OF : 950 mbar to 1050 mbar

The results of calibration and associated measurement uncertainties are reported in the table below.

STD (mbar)	UUC* (mbar)	Error (mbar)	Uncertainty (k=2) (mbar)
950.51	950.9	0.4	0.97
970.10	970.6	0.5	0.70
990.07	990.3	0.3	0.48
1010.06	1010.0	0.0	0.37
1030.06	1029.8	-0.3	0.45
1041.56	1049.1	-0.4	0.96

Note: UUC* Unit Under Calibration

* To convert the result in report unit to Pa should be multiply by 100

End of certificate



Equipment : SOUND CALIBRATOR
Manufacturer : RION
Model : NC-75
Serial No.: 35002736
ID No.: RYG_US0496

Condition As Found : GOOD

Customer : ALS LABORATORY GROUP (THAILAND) CO., LTD.
104 PHATTHANAKAN 40, PHATTHANAKAN ROAD,
KHAENG PHATTHANAKAN, KHET SUAN LUANG,
BANGKOK, 10250 THAILAND.

Location :
Ambient Temperature : (23.0 ± 3) °C
Pressure : (101.3 ± 3) kPa
Relative Humidity : (50.0 ± 20) %

Received Date : 19 JANUARY 2024
Calibration Date : 26 JANUARY 2024
Date of Issue : 29 JANUARY 2024

Calibrated by : Nathakorn Pisutpaisan

Approved by :

T. Petchurai
(Thanukul Petchurai)

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CALIBRATION LABORATORY

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Cert. No. : ACC24008
Job No. : VC67AC0058
Pages : 2 of 3

Calibration Procedure : CP-AC-03

Calibration Method :

This equipment was calibrated by follow on IEC-60942-2003 Standard.

The sound pressure level, frequency and total distortion of the sound calibrator was measured using the reference microphone.

Condition of this result of calibration :

1. Reference Standard Instruments :

Instrument	Model	Serial No.	Cert. No.	Due Date
Waveform Generator	33511B	MY52302742	EF-0010-23	07-FEB-24
Digital Multimeter	33461A	MY53220104	EEL_BP 30/0266	13-FEB-24
Digital Multimeter	33461A	MY53220076	EEL_BP 30/0267	13-FEB-24
Digital Multimeter	33461A	MY60024273	EEL_BP 31/0266	14-FEB-24
Programmable Attenuator	MAT-1070	62100114	EF-0011-23	08-FEB-24
Condenser Microphone	4180	2977900	AA-1001-23	14-FEB-24
Measuring Amplifier	NA-42KA1	34560495	AA-3002-23	14-FEB-24
Audio Analyzer	AVR-3360A	V744D6069	EF-0012-23	10-FEB-24

2. This result of calibration was found accurate as shown on date and place of calibration for this calibrated item only.

3. This certificate is traceable to the international system of unit maintained at :

3.1 National Institute of Metrology (Thailand).

3.2 Thailand Institute of Scientific and Technological Research (TISTR).

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Cert. No. : ACC24008
Job No. : VC67AC0058
Pages : 3 of 3

Result of calibration :

1. Sound pressure level

Specified sound pressure level (dB)	Measured value (dB)	Deviated value (dB)	Uncertainty (dB)	Acceptance limit (dB)
94	93.98	-0.02	0.14	0.40

2. Frequency

Specified Frequency (Hz)	Measured value (Hz)	Deviated value (%)	Uncertainty (%)	Acceptance limit (%)
1000	1000.0	0.0	0.1	1.0

3. Total distortion

Measured value (%)	Uncertainty (%)	Acceptance limit (%)
0.83	0.10	3.0

The reported uncertainty is based on a standard uncertainty multiplied by coverage factor $k = 2$

or any value following calculation, providing a level of confidence of approximately 95 %

End of Calibration Certificate

T. Petchur

T. Petchur

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Cert. No. : ACL24282
Pages : 1 of 8

Calibration Certificate

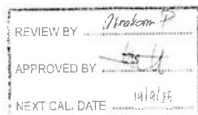
Equipment : SOUND LEVEL METER
Manufacturer : RION
Model : NL-42 / Microphone UC-52 / Pre-amplifier NH-24
Serial No. : 01122567 / 143473 / 22605
ID No. : RYG_FS0016

Condition As Found : GOOD

Customer : ALS LABORATORY GROUP (THAILAND) CO., LTD.
104 PHATTHANAKAN 40, PHATTHANAKAN ROAD,
KJWAENG PHATTHANAKAN, KHET SUAN LUANG,
BANGKOK, 10250 THAILAND.

Location :
Ambient Temperature : (23.0 ± 3) °C
Pressure : (101.3 ± 3) kPa
Relative Humidity : (50.0 ± 20) %

Received Date : 04 SEPTEMBER 2024
Calibration Date : 19 SEPTEMBER 2024
Date of Issue : 20 SEPTEMBER 2024



Calibrated by : Nuthakorn Pisutpaisan

Approved by :

T. Petchur
(Thanakul Petchurai)

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Cert. No. : ACL24282
Job No. : VC67AC0148
Pages : 2 of 8

Calibration Procedure : CP-AC-01

Calibration Method :

This equipment was calibrated by follow on IEC-61672-3 (2013) Standard for sound level meter (SLM).

The SLM had tests to Acoustical and Electrical signal tests of frequency weighting with Anechoic chamber and Reference Standard Instruments.

For tests results of each items were made by observation of each Instruments display and also with SLM's display.

Condition of this result of calibration :

1. Reference Standard Instruments :

Instrument	Model	Serial No.	Cert. No.	Due Date
Waveform Generator	33210A	MY48017076	EF-0009-24	05-FEB-25
Waveform Generator	33511B	MY52302742	EF-0007-24	05-FEB-25
Digital Multimeter	33461A	MY53220104	EEL_BP 21/0267	13-FEB-25
Digital Multimeter	33461A	MY53220076	EEL_BP 20/0267	15-FEB-25
Digital Multimeter	34461A	MY60024273	EEL_BP 22/0267	15-FEB-25
Programmable Attenuator	MAT-1070	62100114	EF-0008-24	05-FEB-25
Condenser Microphone	4180	2977900	AA-1001-24	12-FEB-25
Measuring Amplifier	NA-42KA1	34560495	AA-3001-24	05-FEB-25

2. This result of calibration was found accurate as shown on date and place of calibration for this calibrated item only.

3. This certificate is traceable to the international system of unit maintained at :

3.1 National Institute of Metrology (Thailand).

3.2 Thailand Institute of Scientific and Technological Research (TISTR).

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Cert. No. : ACL24282
Job No. : VC67AC0148
Pages : 3 of 8Cert. No. : ACL24282
Job No. : VC67AC0148
Page : 4 of 8

Summary of Measurement Result:

Parameter	Uncertainty (dB)	Maximum-permitted uncertainty of measurement (dB)
1. Absolute sensitivity	0.2	N/A
2. Self-generated noise	0.2	N/A
3. Acoustical signal tests of frequency weightings		
125 Hz	0.3	0.6
1000 Hz	0.3	0.6
8000 Hz	0.3	0.7
4. Electrical signal tests of frequency weightings		
For 10 Hz to 4 kHz	0.3	0.6
For > 4 kHz to 10 kHz	0.3	0.7
For > 10 kHz to 20 kHz	0.3	1.0
5. Frequency and time weightings at 1 kHz	0.2	0.2
6. Long - term stability	0.1	0.1
7. Level linearity on the reference level range	0.2	0.3
8. Level linearity including the level range control	0.2	0.3
9. Tone burst response	0.2	0.3
10. Peak C sound level	0.2	0.35
11. Overload indication	0.2	0.25
12. High level stability	0.1	0.1

Result of calibration:

1. Absolute sensitivity

Reference Acoustic Signal (dB)	Measured Value (dB)	Deviation (dB)	Acceptance Limit (dB)
93.9 (93.94)	93.9	0.0	±0.3

2. Self-generated noise

2.1 Normal test

Measured Value (dB)
15.4

2.2 The microphone of the sound level meter was replaced by electrical signal input device.

Frequency Weighting	Weighting (dB)
A - weight	12.0
C - weight	18.4
Flat	24.1

3. Acoustical signal tests of frequency weightings

Meter free-field acoustic response at a level of 84 dB

Frequency (Hz)	Deviation from various frequency weighting response curve (dB)			
	Flat	C-weight	A-weight	Acceptance Limits
125	0.1	0.1	0.1	± 1.5
1000	-0.1	-0.1	-0.1	± 1.0
8000	-2.4	-2.4	-2.4	± 5.0

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Pages : 5 of 8

4. Electrical signal tests of frequency weightings

Weighting network response with relative to 1 kHz.

Frequency (Hz)	Deviation from various frequency weighting response curve (dB)			
	Flat	C-weight	A-weight	Acceptance Limits
63	-0.1	-0.1	-0.1	± 2.0
125	-0.1	-0.1	-0.1	± 1.5
250	-0.1	0.0	-0.1	± 1.5
500	-0.1	0.0	-0.1	± 1.5
1000	0.0	0.0	0.0	± 1.0
2000	0.0	0.0	0.0	± 2.0
4000	0.0	0.0	0.0	± 3.0
8000	0.0	0.0	0.0	± 5.0

5. Frequency and time weightings at 1 kHz

5.1 Frequency weightings at 1 kHz

Frequency Weighting	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
A - weight	94.0	94.0	0.0	± 0.2
C - weight	94.0	94.0	0.0	± 0.2
Flat	94.0	94.0	0.0	± 0.2

5.2 Time weighting at 1 kHz

Frequency Weighting	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Fast	94.0	94.0	0.0	± 0.1
Slow	94.0	94.0	0.0	± 0.1
Leq	94.0	94.0	0.0	± 0.1

6. Long - term stability

Frequency Weighting	SLM Display at initial (dB)	SLM Display at final (dB)	Deviated Value (dB)	Acceptance Limits (dB)
A - weight	94.0	94.1	0.1	± 0.3

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7. Level linearity on the reference level range

Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
137.0	137.0	0.0	± 1.1
136.0	136.1	0.1	± 1.1
135.0	135.1	0.1	± 1.1
134.0	134.1	0.1	± 1.1
133.0	133.0	0.0	± 1.1
132.0	132.0	0.0	± 1.1
131.0	131.0	0.0	± 1.1
129.0	129.0	0.0	± 1.1
124.0	124.0	0.0	± 1.1
119.0	119.1	0.1	± 1.1
114.0	114.1	0.1	± 1.1
109.0	109.0	0.0	± 1.1
104.0	104.1	0.1	± 1.1
99.0	99.0	0.0	± 1.1
94.0	94.0	0.0	± 1.1
89.0	89.0	0.0	± 1.1
84.0	84.0	0.0	± 1.1
79.0	79.0	0.0	± 1.1
74.0	74.0	0.0	± 1.1
69.0	69.0	0.0	± 1.1
64.0	64.0	0.0	± 1.1
59.0	59.0	0.0	± 1.1
54.0	54.0	0.0	± 1.1
49.0	49.0	0.0	± 1.1
44.0	44.0	0.0	± 1.1
39.0	39.0	0.0	± 1.1
34.0	34.0	0.0	± 1.1
30.0	30.0	0.0	± 1.1
29.0	28.9	-0.1	± 1.1
28.0	28.0	0.0	± 1.1
27.0	27.0	0.0	± 1.1
26.0	26.0	0.0	± 1.1
25.0	24.8	-0.2	± 1.1

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8. Level linearity including the level range control

Range	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
130	94,0	94,0	0,0	±1,1

Range	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
130	30,0	29,9	-0,1	±1,1

9. Tone burst response

Time Weighting	Tone burst duration, Tb (ms)	Cycle	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Fast	0,25	1	108,0	107,9	-0,1	1,5 ; -5,0
	2	8	117,0	116,9	-0,1	1,0 ; -2,5
	200	800	134,0	134,0	0,0	±1,0
Slow	2	8	108,0	108,0	0,0	1,5 ; -5,0
	200	800	127,6	127,6	0,0	±1,0
SEL	0,25	1	99,0	98,8	-0,2	1,5 ; -5,0
	2	8	108,0	107,9	-0,1	1,0 ; -2,5
	200	800	128,0	128,0	0,0	±1,0

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10. Peak C sound level

Number of cycle in test signal	Anticipated Value (dB)	Measured Value, L _{peak} (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Continuous	133,0	133,0	0,0	±3,0
One	136,4	136,0	-0,4	±3,0

Number of cycle in test signal	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Continuous	133,0	133,0	0,0	±2,0
Positive half cycle	135,4	135,1	-0,3	±2,0
Negative half cycle	135,4	135,1	-0,3	±2,0

11. Overload indication

Measured value (dB)		Deviated Value (dB)	Acceptance Limits (dB)
Positive one-half cycle	Negative one-half cycle	0,0	±1,5
89,6	89,6		

12. High level stability

Frequency Weighting	SLM Display at initial (dB)	SLM Display at final (dB)	Deviated Value (dB)	Acceptance Limits (dB)
A-weight	137,0	137,0	0,0	±0,3

The reported uncertainty is based on a standard uncertainty multiplied by coverage factor $k = 2$ or any value following calculation, providing a level of confidence of approximately 95 %

End of Calibration Certificate

T. Petchur

T. Petchur

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Cert. No. : ACL24075
Pages : 1 of 8

Calibration Certificate

Equipment : SOUND LEVEL METER
Manufacturer : RION
Model : NL-42 / Microphone UC-52 / Preamplifier NH-24
Serial No.: 01222716 / 143832 / 22763
ID No.: RYG_FS0020

Condition As Found : GOOD

Customer : ALS LABORATORY GROUP (THAILAND) CO., LTD.
104 PIATTHANAKAN 40, PIATTHANAKAN ROAD,
KIJWAENG PIATTHANAKAN, KHET SUAN LUANG,
BANGKOK, 10250 THAILAND.

Location : -
Ambient Temperature : (23,0 ± 3) °C
Pressure : (101,3 ± 3) kPa
Relative Humidity : (50,0 ± 20) %

Received Date : 11 JANUARY 2024
Calibration Date : 22-24 JANUARY 2024
Date of Issue : 24 JANUARY 2024

Calibrated by : Nuthakorn Pisutpaisan

Approved by :

T. Petchur
(Thanakul Petchur)

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Cert. No. : ACL24075
Job No. : VC67AC0054
Pages : 2 of 8

Calibration Procedure : CP-AC-01

Calibration Method :

This equipment was calibrated by follow on IEC-61672-3 (2013) Standard for sound level meter (SLM).
The SLM had tests to Acoustical and Electrical signal tests of frequency weighting with Anechoic chamber and Reference Standard Instruments.
For tests results of each items were made by observation of each Instruments display and also with SLM's display.

Condition of this result of calibration :

1. Reference Standard Instruments :

Instrument	Model	Serial No.	Cert. No.	Due Date
Waveform Generator	33210A	MY48017076	EF-0009-23	07-FEB-24
Waveform Generator	33511B	MY52302742	EF-0010-23	07-FEB-24
Digital Multimeter	33461A	MY53220104	EEL_BP 30/0266	13-FEB-24
Digital Multimeter	33461A	MY53220076	EEL_BP 29/0266	13-FEB-24
Digital Multimeter	34461A	MY60024273	EEL_BP 31/0266	14-FEB-24
Programmable Attenuator	MAT-1070	62100114	EF-0011-23	08-FEB-24
Condenser Microphone	4180	2977900	AA-1001-23	14-FEB-24
Measuring Amplifier	NA-42KAI	34560495	AA-3002-23	14-FEB-24

2. This result of calibration was found accurate as shown on date and place of calibration for this calibrated item only.

3. This certificate is traceable to the international system of unit maintained at :

3.1 National Institute of Metrology (Thailand).

3.2 Thailand Institute of Scientific and Technological Research (TISTR).

T. Petchur

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Tel: +66 2433 8331 Email: calibration@sithiporn.com

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Cert. No. : ACL24075
Job No. : VC67AC0054
Pages : 3 of 8

Summary of Measurement Result :

Parameter	Uncertainty (dB)	Maximum-permitted uncertainty of measurement (dB)
1. Absolute sensitivity	0.2	N/A
2. Self-generated noise	0.2	N/A
3. Acoustical signal tests of frequency weightings		
125 Hz	0.3	0.6
1000 Hz	0.3	0.6
8000 Hz	0.3	0.7
4. Electrical signal tests of frequency weightings		
For 10 Hz to 4 kHz	0.3	0.6
For > 4 kHz to 10 kHz	0.3	0.7
For > 10 kHz to 20 kHz	-	1.0
5. Frequency and time weightings at 1 kHz	0.2	0.2
6. Long-term stability	0.1	0.1
7. Level linearity on the reference level range	0.2	0.3
8. Level linearity including the level range control	0.2	0.3
9. Tone burst response	0.2	0.3
10. Peak C sound level	0.2	0.35
11. Overload indication	0.2	0.25
12. High level stability	0.1	0.1

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Cert. No. : ACL24075
Job No. : VC67AC0054
Pages : 4 of 8

Result of calibration :

1. Absolute sensitivity

Reference Acoustic Signal (dB)	Measured Value (dB)	Deviation (dB)	Acceptance Limit (dB)
93.9 (93.98)	93.9	0.0	±0.3

2. Self-generated noise

2.1 Normal test

Measured Value (dB)
14.4

2.2 The microphone of the sound level meter was replaced by electrical signal input device.

Frequency Weighting	Measured value (dB)
A-weight	11.6
C-weight	17.7
Flat	23.6

3. Acoustical signal tests of frequency weightings

Meter free-field acoustic response at a level of 84 dB

Frequency (Hz)	Deviation from various frequency weighting response curve (dB)			
	Flat	C-weight	A-weight	Acceptance Limits
125	0.5	0.5	0.5	±1.5
1000	0.1	0.1	0.1	±1.0
8000	-0.7	-0.6	-0.6	±5.0

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Cert. No. : ACL24075
Job No. : VC67AC0054
Pages : 5 of 8

4. Electrical signal tests of frequency weightings

Weighing network response with relative to 1 kHz.

Frequency (Hz)	Deviation from various frequency weighting response curve (dB)			
	Flat	C-weight	A-weight	Acceptance Limits
63	0.0	0.0	-0.1	±2.0
125	0.0	0.0	0.0	±1.5
250	0.0	0.0	0.0	±1.5
500	0.0	0.0	0.0	±1.5
1000	0.0	0.0	0.0	±1.0
2000	0.0	0.0	0.0	±2.0
4000	0.0	0.0	0.0	±3.0
8000	0.0	0.1	0.1	±5.0

5. Frequency and time weightings at 1 kHz

5.1 Frequency weightings at 1 kHz

Frequency Weighting	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
A-weight	94.0	94.0	0.0	±0.2
C-weight	94.0	94.0	0.0	±0.2
Flat	94.0	94.0	0.0	±0.2

5.2 Time weighting at 1 kHz

Frequency Weighting	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Fast	94.0	94.0	0.0	±0.1
Slow	94.0	94.0	0.0	±0.1
1eq	94.0	94.0	0.0	±0.1

6. Long-term stability

Frequency Weighting	SLM Display at initial (dB)	SLM Display at final (dB)	Deviated Value (dB)	Acceptance Limits (dB)
A-weight	94.0	94.0	0.0	±0.3

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Job No. : VC67AC0054
Pages : 6 of 8

7. Level linearity on the reference level range

Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
137.0	137.0	0.0	±1.1
136.0	136.0	0.0	±1.1
135.0	135.0	0.0	±1.1
134.0	134.0	0.0	±1.1
133.0	133.0	0.0	±1.1
132.0	132.0	0.0	±1.1
131.0	131.0	0.0	±1.1
129.0	129.0	0.0	±1.1
124.0	124.0	0.0	±1.1
119.0	119.0	0.0	±1.1
114.0	114.0	0.0	±1.1
109.0	109.0	0.0	±1.1
104.0	104.0	0.0	±1.1
99.0	99.0	0.0	±1.1
94.0	94.0	0.0	±1.1
89.0	89.0	0.0	±1.1
84.0	84.0	0.0	±1.1
79.0	79.0	0.0	±1.1
74.0	74.0	0.0	±1.1
69.0	69.0	0.0	±1.1
64.0	64.0	0.0	±1.1
59.0	59.0	0.0	±1.1
54.0	53.9	-0.1	±1.1
49.0	49.0	0.0	±1.1
44.0	43.9	-0.1	±1.1
39.0	38.9	-0.1	±1.1
34.0	33.9	-0.1	±1.1
30.0	29.9	-0.1	±1.1
29.0	28.9	-0.1	±1.1
28.0	27.9	-0.1	±1.1
27.0	26.9	-0.1	±1.1
26.0	25.9	-0.1	±1.1
25.0	24.9	-0.1	±1.1

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Pages : 7 of 8

8. Level linearity including the level range control

Range	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Auto	94,0	94,0	0,0	±1,1

9. Tone burst response

Time Weighting	Tone burst duration, Tb (ms)	Cycle	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Fast	0,25	1	108,0	107,9	-0,1	1,5 ; -5,0
	2	8	117,0	117,0	0,0	1,0 ; -2,5
	200	800	134,0	134,0	0,0	±1,0
Slow	2	8	108,0	108,0	0,0	1,5 ; -5,0
	200	800	127,6	127,6	0,0	±1,0
	0,25	1	99,0	98,9	-0,1	1,5 ; -5,0
SEL	2	8	108,0	108,0	0,0	1,0 ; -2,5
	200	800	128,0	128,0	0,0	±1,0

10. Peak C sound level

Number of cycle in test signal	Anticipated Value (dB)	Measured Value, L _{peak} (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Continuous	133,0	133,0	0,0	±3,0
One	136,4	135,3	-1,1	±3,0

Number of cycle in test signal	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Continuous	133,0	133,0	0,0	±2,0
Positive half cycle	135,4	135,2	-0,2	±2,0
Negative half cycle	135,4	135,2	-0,2	±2,0

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Pages : 8 of 8

11. Overload indication

Measured value (dB)		Deviated Value (dB)	Acceptance Limits (dB)
Positive one-half cycle	Negative one-half cycle		
89,7	89,5	-0,2	±1,5

12. High level stability

Frequency Weighting	SLM Display at initial (dB)	SLM Display at final (dB)	Deviated Value (dB)	Acceptance Limits (dB)
A-weight	137,0	137,0	0,0	±0,3

The reported uncertainty is based on a standard uncertainty multiplied by coverage factor $k = 2$ or any value following calculation, providing a level of confidence of approximately 95 %

End of Calibration Certificate

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Cert. No. : ACL24090
Pages : 1 of 8

Calibration Certificate

Equipment : SOUND LEVEL METER
Manufacturer : RION
Model : NL-42 / Microphone UC-52 / Preamplifier NH-24
Serial No.: 00233183 / 144835 / 23230
ID No.: RYG_F80024

Condition As Found : GOOD

Customer : AIS LABORATORY GROUP (THAILAND) CO., LTD.
104 PHATTANAKAN 40, PHATTANAKAN ROAD,
KHUWAENG PHATTANAKAN, KHUET SUAN LUANG,
BANGKOK, 10250 THAILAND.

Location : *
Ambient Temperature : (23,0 ± 3) °C
Pressure : (101,3 ± 3) kPa
Relative Humidity : (50,0 ± 20) %

Received Date : 19 JANUARY 2024
Calibration Date : 25-26 JANUARY 2024
Date of Issue : 29 JANUARY 2024

Calibrated by : Nathakorn Pisutpaisan

Approved by :

T. Petchur
(Thanikul Petchur)

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Cert. No. : ACL24090
Job No. : VC67AC0058
Pages : 2 of 8

Calibration Procedure : CP-AC-01

Calibration Method :

This equipment was calibrated by follow on IEC-61672-3 (2013) Standard for sound level meter (SLM). The SLM had tests to Acoustical and Electrical signal tests of frequency weighting with Anechoic chamber and Reference Standard Instruments.
For tests results of each items were made by observation of each Instruments display and also with SLM's display.

Condition of this result of calibration :

1. Reference Standard Instruments :

Instrument	Model	Serial No.	Cert. No.	Due Date
Waveform Generator	33210A	MY48017076	EF-0009-23	07-FEB-24
Waveform Generator	33511B	MY52302742	EF-0010-23	07-FEB-24
Digital Multimeter	33461A	MY53220104	EELBP 30/0266	13-FEB-24
Digital Multimeter	33461A	MY53220076	EELBP 29/0266	13-FEB-24
Digital Multimeter	34461A	MY60024273	EELBP 31/0266	14-FEB-24
Programmable Attenuator	MA1-1070	62100114	EF-0011-23	08-FEB-24
Condenser Microphone	4180	2977900	AA-1001-23	14-FEB-24
Measuring Amplifier	NA-42KA1	34560495	AA-3002-23	14-FEB-24

2. This result of calibration was found accurate as shown on date and place of calibration for this calibrated item only.

3. This certificate is traceable to the international system of unit maintained at :

- 3.1 National Institute of Metrology (Thailand).
- 3.2 Thailand Institute of Scientific and Technological Research (TISTR).

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Cert. No. : ACL24090
Job No. : VC67AC0058
Pages : 3 of 8

Summary of Measurement Result :

Parameter	Uncertainty (dB)	Maximum-permitted uncertainty of measurement (dB)
1. Absolute sensitivity	0,2	N/A
2. Self-generated noise	0,2	N/A
3. Acoustical signal tests of frequency weightings		
125 Hz	0,3	0,6
1000 Hz	0,3	0,6
8000 Hz	0,3	0,7
4. Electrical signal tests of frequency weightings		
For 10 Hz to 4 kHz	0,3	0,6
For > 4 kHz to 10 kHz	0,3	0,7
For > 10 kHz to 20 kHz	-	1,0
5. Frequency and time weightings at 1 kHz	0,2	0,2
6. Long-term stability	0,1	0,1
7. Level linearity on the reference level range	0,2	0,3
8. Level linearity including the level range control	0,2	0,3
9. Tone burst response	0,2	0,3
10. Peak C sound level	0,2	0,35
11. Overload indication	0,2	0,25
12. High level stability	0,1	0,1

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Pages : 4 of 8

Result of calibration :

1. Absolute sensitivity

Reference Acoustic Signal (dB)	Measured Value (dB)	Deviation (dB)	Acceptance Limit (dB)
93,9 (93,9K)	93,9	0,0	±0,3

2. Self-generated noise

2.1 Normal test

Measured Value (dB)
18,3

2.2 The microphone of the sound level meter was replaced by electrical signal input device.

Frequency Weighting	Measured value (dB)
A-weight	14,2
C-weight	20,0
Flat	25,6

3. Acoustical signal tests of frequency weightings

Meter free-field acoustic response at a level of 84 dB

Frequency (Hz)	Deviation from various frequency weighting response curve (dB)			
	Flat	C-weight	A-weight	Acceptance Limits
125	0,2	0,2	0,2	± 1,5
1000	0,1	0,1	0,1	± 1,0
8000	0,3	0,3	0,3	± 5,0

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Pages : 5 of 8

4. Electrical signal tests of frequency weightings

Weighting network response with relative to 1 kHz.

Frequency (Hz)	Deviation from various frequency weighting response curve (dB)			
	Flat	C-weight	A-weight	Acceptance Limits
63	0,0	0,0	0,0	± 2,0
125	0,0	0,0	0,0	± 1,5
250	0,0	0,0	0,0	± 1,5
500	0,0	0,0	0,0	± 1,5
1000	0,0	0,0	0,0	± 1,0
2000	0,0	0,0	0,0	± 2,0
4000	0,0	0,0	0,0	± 3,0
8000	0,0	0,1	0,1	± 5,0

5. Frequency and time weightings at 1 kHz

5.1 Frequency weightings at 1 kHz

Frequency Weighting	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
A-weight	94,0	94,0	0,0	± 0,2
C-weight	94,0	94,0	0,0	± 0,2
Flat	94,0	94,0	0,0	± 0,2

5.2 Time weighting at 1 kHz

Frequency Weighting	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Fast	94,0	94,0	0,0	± 0,1
Slow	94,0	94,0	0,0	± 0,1
Leq	94,0	94,0	0,0	± 0,1

6. Long-term stability

Frequency Weighting	SLM Display at initial (dB)	SLM Display at final (dB)	Deviated Value (dB)	Acceptance Limits (dB)
A-weight	94,0	94,0	0,0	± 0,3

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Pages : 6 of 8

7. Level linearity on the reference level range

Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
137,0	137,0	0,0	± 1,1
136,0	136,0	0,0	± 1,1
135,0	135,0	0,0	± 1,1
134,0	134,0	0,0	± 1,1
133,0	133,0	0,0	± 1,1
132,0	132,0	0,0	± 1,1
131,0	131,0	0,0	± 1,1
129,0	129,0	0,0	± 1,1
124,0	124,0	0,0	± 1,1
119,0	119,0	0,0	± 1,1
114,0	114,0	0,0	± 1,1
109,0	109,0	0,0	± 1,1
104,0	104,0	0,0	± 1,1
99,0	99,0	0,0	± 1,1
94,0	94,0	0,0	± 1,1
89,0	89,0	0,0	± 1,1
84,0	84,0	0,0	± 1,1
79,0	79,0	0,0	± 1,1
74,0	74,1	0,1	± 1,1
69,0	69,0	0,0	± 1,1
64,0	64,0	0,0	± 1,1
59,0	59,1	0,1	± 1,1
54,0	54,0	0,0	± 1,1
49,0	49,0	0,0	± 1,1
44,0	44,0	0,0	± 1,1
39,0	39,0	0,0	± 1,1
34,0	34,1	0,1	± 1,1
30,0	30,1	0,1	± 1,1
29,0	29,2	0,2	± 1,1
28,0	28,3	0,3	± 1,1
27,0	27,3	0,3	± 1,1
26,0	26,4	0,4	± 1,1
25,0	25,4	0,4	± 1,1

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8. Level linearity including the level range control

Range	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Auto	94.0	94.0	0.0	±1.1

9. Tone burst response

Time Weighting	Tone burst duration, Tb (ms)	Cycle	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Fast	0.25	1	108.0	107.9	-0.1	1.5 ; -5.0
	2	8	117.0	117.0	0.0	1.0 ; -2.5
	200	800	134.0	134.0	0.0	±1.0
Slow	2	8	108.0	108.0	0.0	1.5 ; -5.0
	200	800	127.6	127.6	0.0	±1.0
	0.25	1	99.0	98.9	-0.1	1.5 ; -5.0
SEL	2	8	108.0	108.0	0.0	1.0 ; -2.5
	200	800	128.0	128.0	0.0	±1.0

10. Peak C sound level

Number of cycle in test signal	Anticipated Value (dB)	Measured Value, Lpeak (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Continuous	133.0	133.0	0.0	±3.0
One	136.4	135.7	-0.7	±3.0

Number of cycle in test signal	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Continuous	133.0	133.0	0.0	±2.0
Positive half cycle	135.4	135.2	-0.2	±2.0
Negative half cycle	135.4	135.2	-0.2	±2.0

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Pages : 8 of 8

11. Overload indication

Measured value (dB)		Deviated Value (dB)	Acceptance Limits (dB)
Positive one-half cycle	Negative one-half cycle	0.0	±1.5
89.5	89.5		

12. High level stability

Frequency Weighting	SLM Display at initial (dB)	SLM Display at final (dB)	Deviated Value (dB)	Acceptance Limits (dB)
A-weight	137.0	137.0	0.0	±0.3

The reported uncertainty is based on a standard uncertainty multiplied by coverage factor $k = 2$ or any value following calculation, providing a level of confidence of approximately 95 %

End of Calibration Certificate

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Cert. No. : ACL24091
Pages : 1 of 8

Calibration Certificate

Equipment : SOUND LEVEL METER
Manufacturer : RION
Model : NI-42 / Microphone UC-52 / Preamplifier NI-24
Serial No.: 00233184 / 144837 / 23232
ID No.: RYG_FS0025

Condition As Found : GOOD

Customer : ALS PIATTHANAKAN (THAILAND) CO., LTD.
104 PIATTHANAKAN 40, PHATTHANAKAN ROAD,
KHWAENG PIATTHANAKAN, KHET SUAN LUANG,
BANGKOK, 10250 THAILAND.

Location : -
Ambient Temperature : (23.0 ± 3) °C
Pressure : (101.3 ± 3) kPa
Relative Humidity : (50.0 ± 20) %

Received Date : 19 JANUARY 2024
Calibration Date : 25-26 JANUARY 2024
Date of Issue : 29 JANUARY 2024

Calibrated by : Nathakorn Pisutpaisan

Approved by :

T. Petchur
(Thanakul Petchurai)

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Cert. No. : ACL24091
Job No. : VC67AC0058
Pages : 2 of 8

Calibration Procedure : CIP-AC-01

Calibration Method :

This equipment was calibrated by follow on IEC-61672-3 (2013) Standard for sound level meter (SLM). The SLM had tests in Acoustical and Electrical signal tests of frequency weighting with Anechoic chamber and Reference Standard Instruments. For tests results of each items were made by observation of each Instruments display and also with SLM's display.

Condition of this result of calibration :

1. Reference Standard Instruments :

Instrument	Model	Serial No.	Cert. No.	Due Date
Waveform Generator	33210A	MY48017076	LI-0009-23	07-FEB-24
Waveform Generator	33511B	MY52502742	EF-0010-23	07-FEB-24
Digital Multimeter	33461A	MY53220104	EEL-BP 30/0266	13-FEB-24
Digital Multimeter	33461A	MY53220076	EEL-BP 29/0266	13-FEB-24
Digital Multimeter	34461A	MY60024273	EEL-BP 31/0266	14-FEB-24
Programmable Attenuator	MAT-1070	62100114	EF-0011-23	08-FEB-24
Condenser Microphone	4180	2977900	AA-1001-23	14-FEB-24
Measuring Amplifier	NA-42KAJ	34560495	AA-3002-23	14-FEB-24

2. This result of calibration was found accurate as shown on date and place of calibration for this calibrated item only.

3. This certificate is traceable to the international system of unit maintained at :

- 3.1 National Institute of Metrology (Thailand),
- 3.2 Thailand Institute of Scientific and Technological Research (TISTR).

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Job No. : VC67AC0058
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Summary of Measurement Result:

Parameter	Uncertainty (dB)	Maximum-permitted uncertainty of measurement (dB)
1. Absolute sensitivity	0.2	N/A
2. Self-generated noise	0.2	N/A
3. Acoustical signal tests of frequency weightings		
125 Hz	0.3	0.6
1000 Hz	0.3	0.6
8000 Hz	0.3	0.7
4. Electrical signal tests of frequency weightings		
For 10 Hz to 4 kHz	0.3	0.6
For > 4 kHz to 10 kHz	0.3	0.7
For > 10 kHz to 20 kHz	-	1.0
5. Frequency and time weightings at 1 kHz	0.2	0.2
6. Long - term stability	0.1	0.1
7. Level linearity on the reference level range	0.2	0.3
8. Level linearity including the level range control	0.2	0.3
9. Tone burst response	0.2	0.3
10. Peak C sound level	0.2	0.35
11. Overload indication	0.2	0.25
12. High level stability	0.1	0.1

7. Peter

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Pages : 5 of 8

4. Electrical signal tests of frequency weightings

Weighting network response with relative to 1 kHz.

Frequency (Hz)	Deviation from various frequency weighting response curve (dB)			
	Flat	C-weight	A-weight	Acceptance Limits
63	-0.1	0.0	0.0	±2.0
125	0.0	0.0	0.0	±1.5
250	0.0	0.0	-0.1	±1.5
500	0.0	0.0	0.0	±1.5
1000	0.0	0.0	0.0	±1.0
2000	0.0	0.0	0.0	±2.0
4000	0.0	0.0	0.0	±3.0
8000	0.0	0.1	0.1	±5.0

5. Frequency and time weightings at 1 kHz

5.1 Frequency weightings at 1 kHz

Frequency Weighting	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
A - weight	94.0	94.0	0.0	± 0.2
C - weight	94.0	94.0	0.0	± 0.2
Flat	94.0	94.0	0.0	± 0.2

5.2 Time weighting at 1 kHz

Frequency Weighting	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Fast	94.0	94.0	0.0	± 0.1
Slow	94.0	94.0	0.0	± 0.1
Leq	94.0	94.0	0.0	± 0.1

6. Long - term stability

Frequency Weighting	SLM Display at initial (dB)	SLM Display at final (dB)	Deviated Value (dB)	Acceptance Limits (dB)
A - weight	94.0	94.0	0.0	± 0.3

7. Peter

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Cert. No. : ACL24091
Job No. : VC67AC0058
Pages : 4 of 8

Result of calibration:

1. Absolute sensitivity

Reference Acoustic Signal (dB)	Measured Value (dB)	Deviation (dB)	Acceptance Limit (dB)
93.9 (93.98)	93.9	0.0	±0.3

2. Self-generated noise

2.1 Normal test

Measured Value (dB)
14.6

2.2 The microphone of the sound level meter was replaced by electrical signal input device.

Frequency Weighting	Measured value (dB)
A - weight	10.8
C - weight	17.3
Flat	23.0

3. Acoustical signal tests of frequency weightings

Meter free-field acoustic response at a level of 84 dB

Frequency (Hz)	Deviation from various frequency weighting response curve (dB)			
	Flat	C-weight	A-weight	Acceptance Limits
125	0.3	0.3	0.3	± 1.5
1000	0.0	0.0	0.0	± 1.0
8000	-0.3	-0.3	-0.3	±5.0

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7. Level linearity on the reference level range

Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
137.0	137.0	0.0	± 1.1
136.0	136.0	0.0	± 1.1
135.0	135.0	0.0	± 1.1
134.0	134.0	0.0	± 1.1
133.0	132.9	-0.1	± 1.1
132.0	131.9	-0.1	± 1.1
131.0	130.9	-0.1	± 1.1
129.0	129.0	0.0	± 1.1
124.0	124.0	0.0	± 1.1
119.0	119.0	0.0	± 1.1
114.0	114.0	0.0	± 1.1
109.0	109.0	0.0	± 1.1
104.0	104.0	0.0	± 1.1
99.0	99.0	0.0	± 1.1
94.0	94.0	0.0	± 1.1
89.0	89.0	0.0	± 1.1
84.0	84.0	0.0	± 1.1
79.0	79.0	0.0	± 1.1
74.0	74.0	0.0	± 1.1
69.0	69.0	0.0	± 1.1
64.0	64.0	0.0	± 1.1
59.0	59.0	0.0	± 1.1
54.0	54.0	0.0	± 1.1
49.0	49.0	0.0	± 1.1
44.0	44.0	0.0	± 1.1
39.0	39.0	0.0	± 1.1
34.0	34.0	0.0	± 1.1
30.0	30.0	0.0	± 1.1
29.0	29.0	0.0	± 1.1
28.0	28.1	0.1	± 1.1
27.0	27.0	0.0	± 1.1
26.0	26.1	0.1	± 1.1
25.0	25.1	0.1	± 1.1

7. Peter

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Job No. : VC67AC0058
Pages : 7 of 8

8. Level linearity including the level range control

Range	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Auto	94.0	94.1	0.1	±1.1

9. Tone burst response

Time Weighting	Tone burst duration, T _b (ms)	Cycle	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Fast	0.25	1	108.0	107.9	-0.1	1.5 : -5.0
	2	8	117.0	117.0	0.0	1.0 : -2.5
	200	800	134.0	134.0	0.0	±1.0
Slow	2	8	108.0	108.0	0.0	1.5 : -5.0
	200	800	127.6	127.6	0.0	±1.0
SFL	0.25	1	99.0	98.9	-0.1	1.5 : -5.0
	2	8	108.0	108.0	0.0	1.0 : -2.5
	200	800	128.0	128.0	0.0	±1.0

10. Peak C sound level

Number of cycle in test signal	Anticipated Value (dB)	Measured Value, L _{peak} (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Continuous	133.0	133.0	0.0	±3.0
One	136.4	135.6	-0.8	±3.0

Number of cycle in test signal	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Continuous	133.0	133.0	0.0	±2.0
Positive half cycle	135.4	135.1	-0.3	±2.0
Negative half cycle	135.4	135.1	-0.3	±2.0

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Pages : 8 of 8

11. Overload indication

Measured value (dB)		Deviated Value (dB)	Acceptance Limits (dB)
Positive one-half cycle	Negative one-half cycle		
89.6	89.6	0.0	±1.5

12. High level stability

Frequency Weighting	SLM Display at initial (dB)	SLM Display at final (dB)	Deviated Value (dB)	Acceptance Limits (dB)
A - weight	137.0	137.0	0.0	±0.3

The reported uncertainty is based on a standard uncertainty multiplied by coverage factor $k = 2$ or any value following calculation, providing a level of confidence of approximately 95 %

End of Calibration Certificate

T. Petchur

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Cert. No. : ACL24092
Pages : 1 of 8

Calibration Certificate

Equipment : SOUND LEVEL METER
Manufacturer : RION
Model : NL-42 / Microphone UC-52 / Preamplifier NH-24
Serial No.: 00734220 / 145286 / 34371
ID No.: RYG_FS0026

Condition As Found : GOOD

Customer : ALS LABORATORY GROUP (THAILAND) CO., LTD.
104 PHATTHANAKAN 40, PHATTHANAKAN ROAD,
KHUWAENG PHATTHANAKAN, KHET SUAN LUANG,
BANGKOK, 10250 THAILAND.

Location : *
Ambient Temperature : (23.0 ± 3) °C
Pressure : (101.3 ± 3) kPa
Relative Humidity : (50.0 ± 20) %

Received Date : 19 JANUARY 2024
Calibration Date : 25-26 JANUARY 2024
Date of Issue : 29 JANUARY 2024

Calibrated by : Naitakorn Pisupaisan

Approved by :

T. Petchur
(Thanakul Petchurai)

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Job No. : VC67AC0058
Pages : 2 of 8

Calibration Procedure : CIP-AC-01

Calibration Method :

This equipment was calibrated by follow on IEC-61672-3 (2013) Standard for sound level meter (SLM). The SLM had tests to Acoustical and Electrical signal tests of frequency weighting with Anechoic chamber and Reference Standard Instruments.

For tests results of each items were made by observation of each Instruments display and also with SLM's display.

Condition of this result of calibration :

1. Reference Standard Instruments :

Instrument	Model	Serial No.	Cert. No.	Due Date
Waveform Generator	33210A	MY48017076	EF-0009-23	07-FEB-24
Waveform Generator	33511B	MY52302742	EF-0010-23	07-FEB-24
Digital Multimeter	33461A	MY53220104	EELBP 30/0266	13-FEB-24
Digital Multimeter	33461A	MY53220076	EELBP 29/0266	13-FEB-24
Digital Multimeter	34461A	MY60024273	EELBP 31/0266	14-FEB-24
Programmable Attenuator	MAT-1070	62100114	EF-0011-23	08-FEB-24
Condenser Microphone	4180	2977900	AA-1001-23	14-FEB-24
Measuring Amplifier	NA-42KAJ	34560495	AA-3002-23	14-FEB-24

2. This result of calibration was found accurate as shown on date and place of calibration for this calibrated item only.

3. This certificate is traceable to the international system of unit maintained at :

- 3.1 National Institute of Metrology (Thailand),
- 3.2 Thailand Institute of Scientific and Technological Research (TISTR).

T. Petchur

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Cert. No. : ACL24092
Job No. : VC67AC0058
Pages : 3 of 8

Summary of Measurement Result :

Parameter	Uncertainty (dB)	Maximum-permitted uncertainty of measurement (dB)
1. Absolute sensitivity	0,2	N/A
2. Self-generated noise	0,2	N/A
3. Acoustical signal tests of frequency weightings		
125 Hz	0,3	0,6
1000 Hz	0,3	0,6
8000 Hz	0,3	0,7
4. Electrical signal tests of frequency weightings		
For 10 Hz to 4 kHz	0,3	0,6
For > 4 kHz to 10 kHz	0,3	0,7
For > 10 kHz to 20 kHz	-	1,0
5. Frequency and time weightings at 1 kHz	0,2	0,2
6. Long - term stability	0,1	0,1
7. Level linearity on the reference level range	0,2	0,3
8. Level linearity including the level range control	0,2	0,3
9. Tone burst response	0,2	0,3
10. Peak C sound level	0,2	0,35
11. Overload indication	0,2	0,25
12. High level stability	0,1	0,1

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Job No. : VC67AC0058
Pages : 4 of 8

Result of calibration :

1. Absolute sensitivity

Reference Acoustic Signal (dB)	Measured Value (dB)	Deviation (dB)	Acceptance Limit (dB)
93,9 (93,98)	93,9	0,0	±0,3

2. Self-generated noise

2.1 Normal test

Measured Value (dB)
16,3

2.2 The microphone of the sound level meter was replaced by electrical signal input device.

Frequency Weighting	Measured value (dB)
A - weight	13,4
C - weight	19,5
Flat	25,4

3. Acoustical signal tests of frequency weightings

Meter free-field acoustic response at a level of 84 dB

Frequency (Hz)	Deviation from various frequency weighting response curve (dB)			
	Flat	C-weight	A-weight	Acceptance Limits
125	0,3	0,3	0,3	± 1,5
1000	0,1	0,1	0,1	± 1,0
8000	2,3	2,3	2,3	±5,0

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Pages : 5 of 8

4. Electrical signal tests of frequency weightings

Weighting network response with relative to 1 kHz.

Frequency (Hz)	Deviation from various frequency weighting response curve (dB)			
	Flat	C-weight	A-weight	Acceptance Limits
63	0,0	0,0	0,0	±2,0
125	0,0	0,1	0,0	±1,5
250	0,0	0,0	0,0	±1,5
500	0,0	0,1	0,0	±1,5
1000	0,0	0,0	0,0	±1,0
2000	0,0	0,1	0,0	±2,0
4000	0,0	0,0	0,0	±3,0
8000	0,0	0,1	0,1	±5,0

5. Frequency and time weightings at 1 kHz

5.1 Frequency weightings at 1 kHz

Frequency Weighting	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
A - weight	94,0	94,0	0,0	± 0,2
C - weight	94,0	94,0	0,0	± 0,2
Flat	94,0	94,0	0,0	± 0,2

5.2 Time weighting at 1 kHz

Frequency Weighting	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Fast	94,0	94,0	0,0	± 0,1
Slow	94,0	94,0	0,0	± 0,1
Leq	94,0	94,0	0,0	± 0,1

6. Long - term stability

Frequency Weighting	SLM Display at initial (dB)	SLM Display at final (dB)	Deviated Value (dB)	Acceptance Limits (dB)
A - weight	94,0	94,0	0,0	± 0,3

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7. Level linearity on the reference level range

Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
137,0	137,0	0,0	± 1,1
136,0	136,0	0,0	± 1,1
135,0	135,0	0,0	± 1,1
134,0	134,0	0,0	± 1,1
133,0	133,0	0,0	± 1,1
132,0	132,0	0,0	± 1,1
131,0	131,0	0,0	± 1,1
129,0	129,0	0,0	± 1,1
124,0	124,0	0,0	± 1,1
119,0	119,0	0,0	± 1,1
114,0	114,0	0,0	± 1,1
109,0	109,0	0,0	± 1,1
104,0	104,0	0,0	± 1,1
99,0	99,0	0,0	± 1,1
94,0	94,0	0,0	± 1,1
89,0	89,0	0,0	± 1,1
84,0	84,0	0,0	± 1,1
79,0	79,0	0,0	± 1,1
74,0	74,0	0,0	± 1,1
69,0	69,0	0,0	± 1,1
64,0	64,0	0,0	± 1,1
59,0	59,0	0,0	± 1,1
54,0	54,0	0,0	± 1,1
49,0	49,0	0,0	± 1,1
44,0	44,0	0,0	± 1,1
39,0	39,0	0,0	± 1,1
34,0	34,0	0,0	± 1,1
30,0	29,9	-0,1	± 1,1
29,0	29,0	0,0	± 1,1
28,0	28,0	0,0	± 1,1
27,0	27,1	0,1	± 1,1
26,0	26,1	0,1	± 1,1
25,0	25,1	0,1	± 1,1

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8. Level linearity including the level range control

Range	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Auto	94,0	94,0	0,0	±1,1

9. Tone burst response

Time Weighting	Tone burst duration, Tb (ms)	Cycle	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Fast	0,25	1	108,0	107,9	-0,1	1,5 ; -5,0
	2	8	117,0	117,0	0,0	1,0 ; -2,5
	200	800	134,0	134,1	0,1	±1,0
Slow	2	8	108,0	108,0	0,0	1,5 ; -5,0
	200	800	127,6	127,6	0,0	±1,0
SEL	0,25	1	99,0	98,9	-0,1	1,5 ; -5,0
	2	8	108,0	108,0	0,0	1,0 ; -2,5
	200	800	128,0	128,1	0,1	±1,0

10. Peak C sound level

Number of cycle in test signal	Anticipated Value (dB)	Measured Value, L _{peak} (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Continuous	133,0	133,0	0,0	±3,0
One	136,4	135,6	-0,8	±3,0

Number of cycle in test signal	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Continuous	133,0	133,0	0,0	±2,0
Positive half cycle	135,4	135,2	-0,2	±2,0
Negative half cycle	135,4	135,2	-0,2	±2,0

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Cert. No. : ACL24074
Pages : 1 of 8

Calibration Certificate

Equipment : SOUND LEVEL METER
Manufacturer : RION
Model : NL-42 / Microphone UC-52 / Preamplifier NH-24
Serial No. : 01122607 / J45554 / 34373
ID No. : RYG_FS0019

Condition As Found : GOOD

Customer : ALS LABORATORY GROUP (THAILAND) CO., LTD.
104 PIATTHANAKAN 40, PHATTHANAKAN ROAD,
KHAENG PHATTANAKAN, KJIEF SUAN LUANG,
BANGKOK, 10250 THAILAND,

Location : *
Ambient Temperature : (23,0 ± 3) °C
Pressure : (101,3 ± 3) kPa
Relative Humidity : (50,0 ± 20) %

Received Date : 11 JANUARY 2024
Calibration Date : 23-24 JANUARY 2024
Date of Issue : 24 JANUARY 2024

Calibrated by : Nathekon Pisutpaisan

Approved by :

7. Petchu.
(Thanakul Petchurai)

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Pages : 8 of 8

11. Overload indication

Measured value (dB)		Deviated Value (dB)	Acceptance Limits (dB)
Positive one-half cycle	Negative one-half cycle		
89,6	89,7	0,1	±1,5

12. High level stability

Frequency Weighting	SLM Display at initial (dB)	SLM Display at final (dB)	Deviated Value (dB)	Acceptance Limits (dB)
A-weight	137,0	137,0	0,0	±0,3

The reported uncertainty is based on a standard uncertainty multiplied by coverage factor $k = 2$ or any value following calculation, providing a level of confidence of approximately 95 %

End of Calibration Certificate

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Cert. No. : ACL24074
Job No. : VC67AC0054
Pages : 2 of 8

Calibration Procedure : CP-AC-01

Calibration Method :

This equipment was calibrated by follow on IEC-61672-3 (2013) Standard for sound level meter (SLM). The SLM had tests to Acoustical and Electrical signal tests of frequency weighting with Anechoic chamber and Reference Standard Instruments. For tests results of each items were made by observation of each Instruments display and also with SLM's display.

Condition of this result of calibration :

1. Reference Standard Instruments :

Instrument	Model	Serial No.	Cert. No.	Due Date
Waveform Generator	33210A	MY48017076	EF-0009-23	07-FEB-24
Waveform Generator	33511B	MY52302742	EF-0010-23	07-FEB-24
Digital Multimeter	33461A	MY53220104	EELBP 30/0266	13-FEB-24
Digital Multimeter	33461A	MY53220076	EELBP 29/0266	13-FEB-24
Digital Multimeter	34461A	MY60024273	EELBP 31/0266	14-FEB-24
Programmable Attenuator	MAT-1070	62100114	EF-0011-23	08-FEB-24
Condenser Microphone	4180	2977900	AA-1001-23	14-FEB-24
Measuring Amplifier	NA-42KAI	34560495	AA-3002-23	14-FEB-24

2. This result of calibration was found accurate as shown on date and place of calibration for this calibrated item only.

3. This certificate is traceable to the international system of unit maintained at :

3.1 National Institute of Metrology (Thailand),

3.2 Thailand Institute of Scientific and Technological Research (TISTR).

7. Petchu.

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Pages : 3 of 8

Summary of Measurement Result :

Parameter	Uncertainty (dB)	Maximum-permitted uncertainty of measurement (dB)
1. Absolute sensitivity	0,2	N/A
2. Self-generated noise	0,2	N/A
3. Acoustical signal tests of frequency weightings		
125 Hz	0,3	0,6
1000 Hz	0,3	0,6
8000 Hz	0,3	0,7
4. Electrical signal tests of frequency weightings		
For 10 Hz to 4 kHz	0,3	0,6
For > 4 kHz to 10 kHz	0,3	0,7
For > 10 kHz to 20 kHz	-	1,0
5. Frequency and time weightings at 1 kHz	0,2	0,2
6. Long-term stability	0,1	0,1
7. Level linearity on the reference level range	0,2	0,3
8. Level linearity including the level range control	0,2	0,3
9. Tone burst response	0,2	0,3
10. Peak C sound level	0,2	0,35
11. Overload indication	0,2	0,25
12. High level stability	0,1	0,1

7. Peter

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4. Electrical signal tests of frequency weightings

Weighting network response with relative to 1 kHz.

Frequency (Hz)	Deviation from various frequency weighting response curve (dB)			
	Flat	C-weight	A-weight	Acceptance Limits
63	0,0	-0,1	0,0	±2,0
125	0,0	0,1	0,0	±1,5
250	0,0	0,0	0,0	±1,5
500	0,0	0,1	0,0	±1,5
1000	0,0	0,0	0,0	±1,0
2000	0,0	0,1	0,0	±2,0
4000	0,0	0,1	0,0	±3,0
8000	0,1	0,1	0,1	±5,0

5. Frequency and time weightings at 1 kHz

5.1 Frequency weightings at 1 kHz

Frequency Weighting	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
A-weight	94,0	94,0	0,0	± 0,2
C-weight	94,0	94,0	0,0	± 0,2
Flat	94,0	94,0	0,0	± 0,2

5.2 Time weighting at 1 kHz

Frequency Weighting	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Fast	94,0	94,0	0,0	± 0,1
Slow	94,0	94,0	0,0	± 0,1
Leq	94,0	94,0	0,0	± 0,1

6. Long-term stability

Frequency Weighting	SLM Display at initial (dB)	SLM Display at final (dB)	Deviated Value (dB)	Acceptance Limits (dB)
A-weight	94,0	94,1	0,1	± 0,3

7. Peter

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Job No. : VC67AC0054
Pages : 4 of 8

Result of calibration :

1. Absolute sensitivity

Reference Acoustic Signal (dB)	Measured Value (dB)	Deviation (dB)	Acceptance Limit (dB)
93,9 (93,98)	93,9	0,0	±0,3

2. Self-generated noise

2.1 Normal test

Measured Value (dB)
17,0

2.2 The microphone of the sound level meter was replaced by electrical signal input device.

Frequency Weighting	Measured value (dB)
A-weight	10,8
C-weight	17,0
Flat	22,7

3. Acoustical signal tests of frequency weightings

Meter free-field acoustic response at a level of 84 dB

Frequency (Hz)	Deviation from various frequency weighting response curve (dB)			
	Flat	C-weight	A-weight	Acceptance Limits
125	0,4	0,4	0,4	± 1,5
1000	0,0	0,0	0,0	± 1,0
8000	-1,4	-1,4	-1,3	±5,0

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Pages : 6 of 8

7. Level linearity on the reference level range

Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
137,0	137,0	0,0	± 1,1
136,0	136,0	0,0	± 1,1
135,0	135,0	0,0	± 1,1
134,0	134,0	0,0	± 1,1
133,0	133,0	0,0	± 1,1
132,0	132,0	0,0	± 1,1
131,0	131,0	0,0	± 1,1
129,0	129,0	0,0	± 1,1
124,0	124,0	0,0	± 1,1
119,0	119,0	0,0	± 1,1
114,0	114,0	0,0	± 1,1
109,0	109,0	0,0	± 1,1
104,0	104,1	0,1	± 1,1
99,0	99,0	0,0	± 1,1
94,0	94,0	0,0	± 1,1
89,0	89,0	0,0	± 1,1
84,0	84,0	0,0	± 1,1
79,0	79,0	0,0	± 1,1
74,0	74,0	0,0	± 1,1
69,0	69,0	0,0	± 1,1
64,0	64,0	0,0	± 1,1
59,0	59,0	0,0	± 1,1
54,0	54,0	0,0	± 1,1
49,0	49,0	0,0	± 1,1
44,0	44,0	0,0	± 1,1
39,0	39,0	0,0	± 1,1
34,0	34,0	0,0	± 1,1
30,0	30,0	0,0	± 1,1
29,0	29,0	0,0	± 1,1
28,0	28,0	0,0	± 1,1
27,0	27,0	0,0	± 1,1
26,0	26,0	0,0	± 1,1
25,0	25,0	0,0	± 1,1

7. Peter

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Job No. : VC67AC0054
Pages : 7 of 8

8. Level linearity including the level range control

Range	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Auto	94.0	94.0	0.0	±1.1

9. Tone burst response

Time Weighting	Tone burst duration, Tb (ms)	Cycle	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Fast	0.25	1	108.0	108.0	0.0	1.5 ; -5.0
	2	8	117.0	117.0	0.0	1.0 ; -2.5
	200	800	134.0	134.1	0.1	±1.0
Slow	2	8	108.0	108.0	0.0	1.5 ; -5.0
	200	800	127.6	127.6	0.0	±1.0
SFL	0.25	1	99.0	98.9	-0.1	1.5 ; -5.0
	2	8	108.0	108.0	0.0	1.0 ; -2.5
	200	800	128.0	128.1	0.1	±1.0

10. Peak C sound level

Number of cycle in test signal	Anticipated Value (dB)	Measured Value, L _{peak} (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Continuous	133.0	133.0	0.0	±3.0
One	136.4	135.7	-0.7	±3.0

Number of cycle in test signal	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Continuous	133.0	133.1	0.1	±2.0
Positive half cycle	135.4	135.2	-0.2	±2.0
Negative half cycle	135.4	135.2	-0.2	±2.0

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Pages : 8 of 8

11. Overload indication

Measured value (dB)		Deviated Value (dB)	Acceptance Limits (dB)
Positive one-half cycle	Negative one-half cycle		
89.5	89.5	0.0	±1.5

12. High level stability

Frequency Weighting	SLM Display at initial (dB)	SLM Display at final (dB)	Deviated Value (dB)	Acceptance Limits (dB)
A-weight	137.0	137.0	0.0	±0.3

The reported uncertainty is based on a standard uncertainty multiplied by coverage factor $k = 2$ or any value following calculation, providing a level of confidence of approximately 95 %

End of Calibration Certificate

T. Petchuraj

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Pages : 1 of 8

Calibration Certificate

Equipment : SOUND LEVEL METER
Manufacturer : RION
Model : NL-42 / Microphone UC-52 / Preamplifier NH-24
Serial No. : 01122578 / 143842 / 22771
ID No. : RYG_TS0017

Condition As Found : GOOD

Customer : ALS LABORATORY GROUP (THAILAND) CO., LTD.
104 PHATTANAKAN 40, PHATTANAKAN ROAD,
KHWAENG PHATTHANAKAN, KHEE SUAN LUANG,
BANGKOK, 10250 THAILAND.

Location : -
Ambient Temperature : (23.0 ± 3) °C
Pressure : (101.3 ± 3) kPa
Relative Humidity : (50.0 ± 20) %

Received Date : 11 JANUARY 2024
Calibration Date : 22-24 JANUARY 2024
Date of Issue : 24 JANUARY 2024

Calibrated by : Nathakorn Pisutpaisarn

Approved by :

T. Petchuraj
(Thanakul Petchuraj)

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Job No. : VC67AC0054
Pages : 2 of 8

Calibration Procedure : CP-AC-01

Calibration Method :

This equipment was calibrated by follow on IEC-61672-3 (2013) Standard for sound level meter (SLM).
The SLM had tests to Acoustical and Electrical signal tests of frequency weighting with Anechoic chamber and Reference Standard Instruments.

For test results of each items were made by observation of each Instruments display and also with SLM's display.

Condition of this result of calibration :

1. Reference Standard Instruments :

Instrument	Model	Serial No.	Cert. No.	Due Date
Waveform Generator	33210A	MY48017076	EF-0009-23	07-FEB-24
Waveform Generator	33511B	MY52302742	EF-0010-23	07-FEB-24
Digital Multimeter	33461A	MY53220104	EEL-BP 30/0266	13-FEB-24
Digital Multimeter	33461A	MY53220076	EEL-BP 29/0266	13-FEB-24
Digital Multimeter	34461A	MY60024273	EEL-BP 31/0266	14-FEB-24
Programmable Attenuator	MAT-1070	62100114	EF-0011-23	08-FEB-24
Condenser Microphone	4180	2977900	AA-1001-23	14-FEB-24
Measuring Amplifier	NA-42KA1	34560495	AA-3002-23	14-FEB-24

2. This result of calibration was found accurate as shown on date and place of calibration for this calibrated item only.

3. This certificate is traceable to the international system of unit maintained at :

3.1 National Institute of Metrology (Thailand).

3.2 Thailand Institute of Scientific and Technological Research (TISTR).

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Job No. : VC67AC0054
Pages : 3 of 8

Summary of Measurement Result :

Parameter	Uncertainty (dB)	Maximum-permitted uncertainty of measurement (dB)
1. Absolute sensitivity	0.2	N/A
2. Self-generated noise	0.2	N/A
3. Acoustical signal tests of frequency weightings		
125 Hz	0.3	0.6
1000 Hz	0.3	0.6
8000 Hz	0.3	0.7
4. Electrical signal tests of frequency weightings		
For 10 Hz to 4 kHz	0.3	0.6
For > 4 kHz to 10 kHz	0.3	0.7
For > 10 kHz to 20 kHz	*	1.0
5. Frequency and time weightings at 1 kHz	0.2	0.2
6. Long - term stability	0.1	0.1
7. Level linearity on the reference level range	0.2	0.3
8. Level linearity including the level range control	0.2	0.3
9. Tone burst response	0.2	0.3
10. Peak C sound level	0.2	0.35
11. Overload indication	0.2	0.25
12. High level stability	0.1	0.1

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Pages : 4 of 8

Result of calibration :

1. Absolute sensitivity

Reference Acoustic Signal (dB)	Measured Value (dB)	Deviation (dB)	Acceptance Limit (dB)
93.9 (93.98)	93.9	0.0	±0.3

2. Self-generated noise

2.1 Normal test

Measured Value (dB)
16.7

2.2 The microphone of the sound level meter was replaced by electrical signal input device.

Frequency Weighting	Measured value (dB)
A - weight	11.6
C - weight	17.7
Flat	23.4

3. Acoustical signal tests of frequency weightings

Meter free-field acoustic response at a level of 84 dB

Frequency (Hz)	Deviation from various frequency weighting response curve (dB)			
	Flat	C-weight	A-weight	Acceptance Limits
125	0.4	0.4	0.5	±1.5
1000	0.0	0.0	0.0	±1.0
8000	0.0	0.1	0.1	±5.0

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Pages : 5 of 8

4. Electrical signal tests of frequency weightings

Weighting network response with relative to 1 kHz.

Frequency (Hz)	Deviation from various frequency weighting response curve (dB)			
	Flat	C-weight	A-weight	Acceptance Limits
63	0.0	0.0	0.0	±2.0
125	0.0	0.1	0.0	±1.5
250	0.0	0.0	0.0	±1.5
500	0.0	0.1	0.0	±1.5
1000	0.0	0.0	0.0	±1.0
2000	0.0	0.1	0.0	±2.0
4000	0.0	0.1	0.0	±3.0
8000	0.0	0.1	0.1	±5.0

5. Frequency and time weightings at 1 kHz

5.1 Frequency weightings at 1 kHz

Frequency Weighting	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
A - weight	94.0	94.0	0.0	± 0.2
C - weight	94.0	94.0	0.0	± 0.2
Flat	94.0	94.0	0.0	± 0.2

5.2 Time weighting at 1 kHz

Frequency Weighting	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Fast	94.0	94.0	0.0	± 0.1
Slow	94.0	94.0	0.0	± 0.1
Leq	94.0	94.0	0.0	± 0.1

6. Long - term stability

Frequency Weighting	SLM Display at initial (dB)	SLM Display at final (dB)	Deviated Value (dB)	Acceptance Limits (dB)
A - weight	94.0	94.1	0.1	± 0.3

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7. Level linearity on the reference level range

Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
137.0	137.0	0.0	± 1.1
136.0	136.0	0.0	± 1.1
135.0	135.0	0.0	± 1.1
134.0	134.0	0.0	± 1.1
133.0	133.0	0.0	± 1.1
132.0	132.0	0.0	± 1.1
131.0	131.0	0.0	± 1.1
129.0	129.0	0.0	± 1.1
124.0	124.0	0.0	± 1.1
119.0	119.1	0.1	± 1.1
114.0	114.0	0.0	± 1.1
109.0	109.0	0.0	± 1.1
104.0	104.1	0.1	± 1.1
99.0	99.0	0.0	± 1.1
94.0	94.0	0.0	± 1.1
89.0	89.0	0.0	± 1.1
84.0	84.0	0.0	± 1.1
79.0	79.0	0.0	± 1.1
74.0	74.0	0.0	± 1.1
69.0	69.0	0.0	± 1.1
64.0	64.0	0.0	± 1.1
59.0	59.0	0.0	± 1.1
54.0	54.0	0.0	± 1.1
49.0	49.0	0.0	± 1.1
44.0	44.0	0.0	± 1.1
39.0	39.0	0.0	± 1.1
34.0	34.0	0.0	± 1.1
30.0	30.0	0.0	± 1.1
29.0	28.9	-0.1	± 1.1
28.0	28.0	0.0	± 1.1
27.0	27.0	0.0	± 1.1
26.0	26.0	0.0	± 1.1
25.0	25.0	0.0	± 1.1

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8. Level linearity including the level range control

Range	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits
Auto	94,0	94,0	0,0	±1,1

9. Tone burst response

Time Weighing	Tone burst duration, Tb (ms)	Cycle	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Fast	0.25	1	108,0	108,0	0,0	1,5 ; -5,0
	2	8	117,0	117,0	0,0	1,0 ; -2,5
	200	800	134,0	134,1	0,1	±1,0
Slow	2	8	108,0	108,0	0,0	1,5 ; -5,0
	200	800	127,6	127,6	0,0	±1,0
SEL	0.25	1	99,0	98,9	-0,1	1,5 ; -5,0
	2	8	108,0	108,0	0,0	1,0 ; -2,5
	200	800	128,0	128,0	0,0	±1,0

10. Peak C sound level

Number of cycle in test signal	Anticipated Value (dB)	Measured Value, L _{peak} (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Continuous	133,0	133,0	0,0	±3,0
One	136,4	135,3	-1,1	±3,0

Number of cycle in test signal	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Continuous	133,0	132,9	-0,1	±2,0
Positive half cycle	135,4	135,1	-0,3	±2,0
Negative half cycle	135,4	135,1	-0,3	±2,0

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11. Overload indication

Measured value (dB)		Deviated Value (dB)	Acceptance Limits (dB)
Positive one-half cycle	Negative one-half cycle	0,0	±1,5
89,6	89,6		

12. High level stability

Frequency	SLM Display at initial (dB)	SLM Display at final (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Weighting				
A-weight	137,0	137,0	0,0	±0,3

The reported uncertainty is based on a standard uncertainty multiplied by coverage factor $k = 2$ or any value following calculation, providing a level of confidence of approximately 95 %

End of Calibration Certificate

T. Petchur

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Calibration Certificate

Equipment : SOUND LEVEL METER
Manufacturer : RION
Model : NL-42 / Microphone UC-52 / Preamplifier NII-24
Serial No.: 01122579 / 172172 / 74022
ID No.: RYG_1S0018

Condition As Found : GOOD

Customer : ALS LABORATORY GROUP (THAILAND) CO., LTD.
104 PHATTIANAKAN 40, PHATTIANAKAN ROAD,
KHWAENG PHATTIANAKAN, KHET SUAN LUANG,
BANGKOK, 10250 THAILAND.

Location : -
Ambient Temperature : (23,0 ± 3) °C
Pressure : (101,3 ± 3) kPa
Relative Humidity : (50,0 ± 20) %

Received Date : 11 JANUARY 2024
Calibration Date : 22-24 JANUARY 2024
Date of Issue : 24 JANUARY 2024

Calibrated by : Nathakorn Pisutpaisan

Approved by :

T. Petchur
(Thanakul Petchur)

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Cert. No. : ACL24073
Job No. : VC67AC0054
Pages : 2 of 8

Calibration Procedure : CP-AC-01

Calibration Method :

This equipment was calibrated by follow on IEC-61672-3 (2013) Standard for sound level meter (SLM).
The SLM had tests to Acoustical and Electrical signal tests of frequency weighting with Anechoic chamber and Reference Standard Instruments.
For tests results of each items were made by observation of each Instruments display and also with SLM's display.

Condition of this result of calibration :

1. Reference Standard Instruments :

Instrument	Model	Serial No.	Cert. No.	Due Date
Waveform Generator	33210A	MY48017076	EF-0009-23	07-FEB-24
Waveform Generator	33511B	MY52502742	EF-0010-23	07-FEB-24
Digital Multimeter	33461A	MY53220104	EELBP 30/0266	13-FEB-24
Digital Multimeter	33461A	MY53220076	EELBP 29/0266	13-FEB-24
Digital Multimeter	34461A	MY60024273	EELBP 31/0266	14-FEB-24
Programmable Attenuator	MAT-1070	62100114	EF-0011-23	08-FEB-24
Condenser Microphone	4180	2977900	AA-1001-23	14-FEB-24
Measuring Amplifier	NA-42KAI	34560495	AA-3002-23	14-FEB-24

2. This result of calibration was found accurate as shown on date and place of calibration for this calibrated item only.
3. This certificate is traceable to the international system of unit maintained at :

- 3.1 National Institute of Metrology (Thailand),
- 3.2 Thailand Institute of Scientific and Technological Research (TISTR).

T. Petchur

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Job No. : VC67AC0054
Pages : 3 of 8

Summary of Measurement Result :

Parameter	Uncertainty (dB)	Maximum-permitted uncertainty of measurement (dB)
1. Absolute sensitivity	0.2	N/A
2. Self-generated noise	0.2	N/A
3. Acoustical signal tests of frequency weightings		
125 Hz	0.3	0.6
1000 Hz	0.3	0.6
8000 Hz	0.3	0.7
4. Electrical signal tests of frequency weightings		
For 10 Hz to 4 kHz	0.3	0.6
For > 4 kHz to 10 kHz	0.3	0.7
For > 10 kHz to 20 kHz	-	1.0
5. Frequency and time weightings at 1 kHz	0.2	0.2
6. Long-term stability	0.1	0.1
7. Level linearity on the reference level range	0.2	0.3
8. Level linearity including the level range control	0.2	0.3
9. Tone burst response	0.2	0.3
10. Peak C sound level	0.2	0.35
11. Overload indication	0.2	0.25
12. High level stability	0.1	0.1

7. Peter

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4. Electrical signal tests of frequency weightings

Weighting network response with relative to 1 kHz.

Frequency (Hz)	Deviation from various frequency weighting response curve (dB)			
	Flat	C-weight	A-weight	Acceptance Limits
63	0.0	-0.1	0.0	±2.0
125	0.0	0.0	0.0	±1.5
250	0.0	0.0	-0.1	±1.5
500	0.0	0.0	-0.1	±1.5
1000	0.0	0.0	0.0	±1.0
2000	0.0	0.0	0.0	±2.0
4000	0.0	0.0	0.0	±3.0
8000	0.0	0.1	0.1	±5.0

5. Frequency and time weightings at 1 kHz

5.1 Frequency weightings at 1 kHz

Frequency Weighting	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
A-weight	94.0	94.0	0.0	± 0.2
C-weight	94.0	94.0	0.0	± 0.2
Flat	94.0	94.0	0.0	± 0.2

5.2 Time weighting at 1 kHz

Frequency Weighting	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Fast	94.0	94.0	0.0	± 0.1
Slow	94.0	94.0	0.0	± 0.1
Leq	94.0	94.0	0.0	± 0.1

6. Long-term stability

Frequency Weighting	SLM Display at initial (dB)	SLM Display at final (dB)	Deviated Value (dB)	Acceptance Limits (dB)
A-weight	94.0	94.0	0.0	± 0.3

7. Peter

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CALIBRATION LABORATORY

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Cert. No. : ACL24073
Job No. : VC67AC0054
Pages : 4 of 8

Result of calibration :

1. Absolute sensitivity

Reference Acoustic Signal (dB)	Measured Value (dB)	Deviation (dB)	Acceptance Limit (dB)
93.9 (93.98)	93.9	0.0	±0.3

2. Self-generated noise

2.1 Normal test

Measured Value (dB)
16.6

2.2 The microphone of the sound level meter was replaced by electrical signal input device.

Frequency Weighting	Measured value (dB)
A-weight	14.2
C-weight	19.2
Flat	25.9

3. Acoustical signal tests of frequency weightings

Meter free-field acoustic response at a level of 84 dB

Frequency (Hz)	Deviation from various frequency weighting response curve (dB)			
	Flat	C-weight	A-weight	Acceptance Limits
125	0.2	0.2	0.2	± 1.5
1000	0.1	0.1	0.1	± 1.0
8000	3.3	3.4	3.4	±5.0

7. Peter

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Job No. : VC67AC0054
Pages : 6 of 8

7. Level linearity on the reference level range

Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
137.0	137.0	0.0	± 1.1
136.0	136.0	0.0	± 1.1
135.0	135.0	0.0	± 1.1
134.0	134.0	0.0	± 1.1
133.0	133.0	0.0	± 1.1
132.0	132.0	0.0	± 1.1
131.0	131.0	0.0	± 1.1
129.0	129.0	0.0	± 1.1
124.0	124.0	0.0	± 1.1
119.0	119.0	0.0	± 1.1
114.0	114.0	0.0	± 1.1
109.0	109.0	0.0	± 1.1
104.0	104.0	0.0	± 1.1
99.0	99.0	0.0	± 1.1
94.0	94.0	0.0	± 1.1
89.0	89.1	0.1	± 1.1
84.0	84.1	0.1	± 1.1
79.0	79.0	0.0	± 1.1
74.0	74.1	0.1	± 1.1
69.0	69.1	0.1	± 1.1
64.0	64.0	0.0	± 1.1
59.0	59.1	0.1	± 1.1
54.0	54.0	0.0	± 1.1
49.0	49.0	0.0	± 1.1
44.0	44.0	0.0	± 1.1
39.0	39.0	0.0	± 1.1
34.0	34.0	0.0	± 1.1
30.0	30.0	0.0	± 1.1
29.0	29.0	0.0	± 1.1
28.0	27.9	-0.1	± 1.1
27.0	27.0	0.0	± 1.1
26.0	25.9	-0.1	± 1.1
25.0	24.9	-0.1	± 1.1

7. Peter

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Pages : 7 of 8

8. Level linearity including the level range control

Range	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Auto	94,0	94,0	0,0	±1,1

9. Tone burst response

Time Weighting	Tone burst duration, Tb (ms)	Cycle	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Fast	0,25	1	108,0	107,9	-0,1	1,5 ; -5,0
	2	8	117,0	117,0	0,0	1,0 ; -2,5
	200	800	134,0	134,0	0,0	±1,0
Slow	2	8	108,0	108,0	0,0	1,5 ; -5,0
	200	800	127,6	127,6	0,0	±1,0
SEL	0,25	1	99,0	98,9	-0,1	1,5 ; -5,0
	2	8	108,0	108,0	0,0	1,0 ; -2,5
	200	800	128,0	128,0	0,0	±1,0

10. Peak C sound level

Number of cycle in test signal	Anticipated Value (dB)	Measured Value, L _{peak} (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Continuous	133,0	133,1	0,1	±3,0
One	136,4	136,4	0,0	±3,0

Number of cycle in test signal	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Continuous	133,0	133,1	0,1	±2,0
Positive half cycle	135,4	135,3	-0,1	±2,0
Negative half cycle	135,4	135,3	-0,1	±2,0

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Pages : 8 of 8

11. Overload indication

Measured value (dB)		Deviated Value (dB)	Acceptance Limits (dB)
Positive one-half cycle	Negative one-half cycle	0,0	±1,5
89,5	89,5		

12. High level stability

Frequency Weighting	SLM Display at initial (dB)	SLM Display at final (dB)	Deviated Value (dB)	Acceptance Limits (dB)
A - weight	137,0	137,0	0,0	±0,3

The reported uncertainty is based on a standard uncertainty multiplied by coverage factor $k = 2$ or any value following calculation, providing a level of confidence of approximately 95 %

End of Calibration Certificate

T. Petchur

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Cert. No. : ACL24094
Pages : 1 of 8

Calibration Certificate

Equipment : SOUND LEVEL METER
Manufacturer : RION
Model : NL-42 / Microphone UC-52 / Pre-amplifier N11-24
Serial No. : 01222723 / 143841 / 22770
ID No. : RYG_FS0022

Condition As Found : GOOD

Customer : ALS LABORATORY GROUP (THAILAND) CO., LTD.
104 PHATTHANAKAN 40, PHATTHANAKAN ROAD,
KHWAENG PHATTHANAKAN, KHET SUAN LUANG,
BANGKOK, 10250 THAILAND.

Location : *
Ambient Temperature : (23,0 ± 3) °C
Pressure : (101,3 ± 3) kPa
Relative Humidity : (50,0 ± 20) %

Received Date : 19 JANUARY 2024
Calibration Date : 25-26 JANUARY 2024
Date of Issue : 29 JANUARY 2024

Calibrated by : Nathakorn Pisutpaisan

Approved by :

T. Petchur
(Thanakul Petchurai)

This certificate is issued in accordance with the requirements of ISO/IEC 17025 standard, may not be reproduced other than in full, except with the prior written approval of the head of Calibration Laboratory.

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Cert. No. : ACL24094
Job No. : VC67AC0058
Pages : 2 of 8

Calibration Procedure : CP-AC-01

Calibration Method :

This equipment was calibrated by follow on IEC-61672-3 (2013) Standard for sound level meter (SLM).
The SLM had tests to Acoustical and Electrical signal tests of frequency weighting with Anechoic chamber and Reference Standard Instruments.
For tests results of each items were made by observation of each Instruments display and also with SLM's display.

Condition of this result of calibration :

1. Reference Standard Instruments :

Instrument	Model	Serial No.	Cert. No.	Due Date
Waveform Generator	33210A	MY48017076	EF-0009-23	07-FEB-24
Waveform Generator	33511B	MY52302742	EF-0010-23	07-FEB-24
Digital Multimeter	33461A	MY53220104	EEL-BP 30/0266	13-FEB-24
Digital Multimeter	33461A	MY53220076	EEL-BP 29/0266	13-FEB-24
Digital Multimeter	34461A	MY60024273	EEL-BP 31/0266	14-FEB-24
Programmable Attenuator	MAT-1070	62100114	EF-0011-23	08-FEB-24
Condenser Microphone	4180	2977900	AA-1001-23	14-FEB-24
Measuring Amplifier	NA-42KAJ	34560495	AA-3002-23	14-FEB-24

2. This result of calibration was found accurate as shown on date and place of calibration for this calibrated item only.

3. This certificate is traceable to the international system of unit maintained at :

- 3.1 National Institute of Metrology (Thailand),
- 3.2 Thailand Institute of Scientific and Technological Research (TISTR).

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Cert. No. : ACL24094
Job No. : VC67AC0058
Pages : 3 of 8

Summary of Measurement Result :

Parameter	Uncertainty (dB)	Maximum-permitted uncertainty of measurement (dB)
1. Absolute sensitivity	0,2	N/A
2. Self-generated noise	0,2	N/A
3. Acoustical signal tests of frequency weightings		
125 Hz	0,3	0,6
1000 Hz	0,3	0,6
8000 Hz	0,3	0,7
4. Electrical signal tests of frequency weightings		
For 10 Hz to 4 kHz	0,3	0,6
For > 4 kHz to 10 kHz	0,3	0,7
For > 10 kHz to 20 kHz	-	1,0
5. Frequency and time weightings at 1 kHz	0,2	0,2
6. Long - term stability	0,1	0,1
7. Level linearity on the reference level range	0,2	0,3
8. Level linearity including the level range control	0,2	0,3
9. Tone burst response	0,2	0,3
10. Peak C sound level	0,2	0,35
11. Overload indication	0,2	0,25
12. High level stability	0,1	0,1

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Cert. No. : ACL24094
Job No. : VC67AC0058
Pages : 4 of 8

Result of calibration :

1. Absolute sensitivity

Reference Acoustic Signal (dB)	Measured Value (dB)	Deviation (dB)	Acceptance Limit (dB)
93,9 (93,98)	93,9	0,0	±0,3

2. Self-generated noise

2.1 Normal test

Measured Value (dB)
14,8

2.2 The microphone of the sound level meter was replaced by electrical signal input device,

Frequency Weighting	Measured value (dB)
A - weight	12,0
C - weight	18,4
Flat	24,1

3. Acoustical signal tests of frequency weightings

Meter free-field acoustic response at a level of 84 dB

Frequency (Hz)	Deviation from various frequency weighting response curve (dB)			
	Flat	C-weight	A-weight	Acceptance Limits
125	0,4	0,4	0,4	± 1,5
1000	0,0	0,0	0,0	± 1,0
8000	0,7	0,8	0,7	± 5,0

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Job No. : VC67AC0058
Pages : 5 of 8

4. Electrical signal tests of frequency weightings

Weighting network response with relative to 1 kHz

Frequency (Hz)	Deviation from various frequency weighting response curve (dB)			
	Flat	C-weight	A-weight	Acceptance Limits
63	0,0	0,0	0,1	±2,0
125	0,0	0,1	0,0	±1,5
250	0,0	0,0	0,0	±1,5
500	0,0	0,1	0,0	±1,5
1000	0,0	0,0	0,0	±1,0
2000	0,0	0,1	0,0	±2,0
4000	0,0	0,0	0,0	±3,0
8000	0,0	0,1	0,1	±5,0

5. Frequency and time weightings at 1 kHz

5.1 Frequency weightings at 1 kHz

Frequency Weighting	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
A - weight	94,0	94,0	0,0	± 0,2
C - weight	94,0	94,0	0,0	± 0,2
Flat	94,0	94,0	0,0	± 0,2

5.2 Time weighting at 1 kHz

Frequency Weighting	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Fast	94,0	94,0	0,0	± 0,1
Slow	94,0	94,0	0,0	± 0,1
Leq	94,0	94,0	0,0	± 0,1

6. Long - term stability

Frequency Weighting	SLM Display at initial (dB)	SLM Display at final (dB)	Deviated Value (dB)	Acceptance Limits (dB)
A - weight	94,0	94,0	0,0	± 0,3

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Pages : 6 of 8

7. Level linearity on the reference level range

Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
137,0	137,0	0,0	± 1,1
136,0	136,0	0,0	± 1,1
135,0	135,0	0,0	± 1,1
134,0	134,0	0,0	± 1,1
133,0	133,0	0,0	± 1,1
132,0	132,0	0,0	± 1,1
131,0	131,0	0,0	± 1,1
129,0	129,0	0,0	± 1,1
124,0	124,0	0,0	± 1,1
119,0	119,0	0,0	± 1,1
114,0	114,0	0,0	± 1,1
109,0	109,0	0,0	± 1,1
104,0	104,0	0,0	± 1,1
99,0	99,0	0,0	± 1,1
94,0	94,0	0,0	± 1,1
89,0	89,0	0,0	± 1,1
84,0	84,0	0,0	± 1,1
79,0	79,0	0,0	± 1,1
74,0	74,0	0,0	± 1,1
69,0	69,0	0,0	± 1,1
64,0	64,0	0,0	± 1,1
59,0	59,0	0,0	± 1,1
54,0	54,0	0,0	± 1,1
49,0	49,0	0,0	± 1,1
44,0	44,0	0,0	± 1,1
39,0	39,0	0,0	± 1,1
34,0	34,0	0,0	± 1,1
30,0	30,0	0,0	± 1,1
29,0	29,0	0,0	± 1,1
28,0	28,1	0,1	± 1,1
27,0	27,1	0,1	± 1,1
26,0	26,2	0,2	± 1,1
25,0	25,1	0,1	± 1,1

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Pages : 7 of 8

8. Level linearity including the level range control

Range	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Auto	94,0	94,0	0,0	±1,1

9. Tone burst response

Time Weighting	Tone burst duration, Tb (ms)	Cycle	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Fast	0,25	1	108,0	107,9	-0,1	1,5 ; -5,0
	2	8	117,0	117,0	0,0	1,0 ; -2,5
	200	800	134,0	134,1	0,1	±1,0
Slow	2	8	108,0	108,0	0,0	1,5 ; -5,0
	200	800	127,6	127,6	0,0	±1,0
	0,25	1	99,0	98,9	-0,1	1,5 ; -5,0
SFL	2	8	108,0	108,0	0,0	1,0 ; -2,5
	200	800	128,0	128,0	0,0	±1,0

10. Peak C sound level

Number of cycle in test signal	Anticipated Value (dB)	Measured Value, Lepeak (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Continuous	133,0	133,0	0,0	±3,0
One	136,4	136,3	-0,1	±3,0

Number of cycle in test signal	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Continuous	133,0	132,9	-0,1	±2,0
Positive half cycle	135,4	135,1	-0,3	±2,0
Negative half cycle	135,4	135,1	-0,3	±2,0

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Pages : 8 of 8

11. Overload indication

Measured value (dB)		Deviated Value (dB)	Acceptance Limits (dB)
Positive one-half cycle	Negative one-half cycle		
89,8	89,6	-0,2	±1,5

12. High level stability

Frequency Weighting	SLM Display at initial (dB)	SLM Display at final (dB)	Deviated Value (dB)	Acceptance Limits (dB)
A-weight	137,0	137,0	0,0	±0,3

The reported uncertainty is based on a standard uncertainty multiplied by coverage factor $k = 2$ or any value following calculation, providing a level of confidence of approximately 95 %

End of Calibration Certificate

T. Petchur

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Cert. No. : ACL24071
Pages : 1 of 8

Calibration Certificate

Equipment : SOUND LEVEL METER
Manufacturer : RION
Model : NL-42 / Microphone UC-52 / Preamplifier NH-24
Serial No.: 01222724 / 143486 / 22620
ID No.: RYG_FS0023

Condition As Found : GOOD

Customer : ALS LABORATORY GROUP (THAILAND) CO., LTD.
104 PHATTHANAKAN 40, PHATTHANAKAN ROAD,
KHUWAENG PHATTHANAKAN, KHET SUAN LUANG,
BANGKOK, 10250 THAILAND.

Location : +
Ambient Temperature : (23,0 ± 3) °C
Pressure : (101,3 ± 3) kPa
Relative Humidity : (50,0 ± 20) %

Received Date : 11 JANUARY 2024
Calibration Date : 22-24 JANUARY 2024
Date of Issue : 24 JANUARY 2024

Calibrated by : Nathakorn Pisulpaisan

Approved by :

T. Petchur
(Thanakul Petchur)

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Cert. No. : ACL24071
Job No. : VC67AC0054
Pages : 2 of 8

Calibration Procedure : CP-AC-01

Calibration Method :

This equipment was calibrated by follow on IEC-61672-3 (2013) Standard for sound level meter (SLM). The SLM had tests to Acoustical and Electrical signal tests of frequency weighting with Anechoic chamber and Reference Standard Instruments.
For tests results of each items were made by observation of each Instruments display and also with SLM's display.

Condition of this result of calibration :

1. Reference Standard Instruments :

Instrument	Model	Serial No.	Cert. No.	Due Date
Waveform Generator	33210A	MY48017076	EF-0009-23	07-FEB-24
Waveform Generator	33511B	MY52302742	EF-0010-23	07-FEB-24
Digital Multimeter	33461A	MY53220104	EELBP 30/0266	13-FEB-24
Digital Multimeter	33461A	MY53220076	EELBP 29/0266	13-FEB-24
Digital Multimeter	34461A	MY60024273	EELBP 31/0266	14-FEB-24
Programmable Attenuator	MAT-1070	62100114	EF-0011-23	08-FEB-24
Condenser Microphone	4180	2977900	AA-1001-23	14-FEB-24
Measuring Amplifier	NA-42KA1	34560495	AA-3002-23	14-FEB-24

2. This result of calibration was found accurate as shown on date and place of calibration for this calibrated item only.

3. This certificate is traceable to the international system of unit maintained at :

3.1 National Institute of Metrology (Thailand).

3.2 Thailand Institute of Scientific and Technological Research (TISTR).

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Cert. No. : ACL24071
Job No. : VC67AC0054
Pages : 3 of 8

Summary of Measurement Result :

Parameter	Uncertainty (dB)	Maximum-permitted uncertainty of measurement (dB)
1. Absolute sensitivity	0,2	N/A
2. Self-generated noise	0,2	N/A
3. Acoustical signal tests of frequency weightings		
125 Hz	0,3	0,6
1000 Hz	0,3	0,6
8000 Hz	0,3	0,7
4. Electrical signal tests of frequency weightings		
For 10 Hz to 4 kHz	0,3	0,6
For > 4 kHz to 10 kHz	0,3	0,7
For > 10 kHz to 20 kHz	-	1,0
5. Frequency and time weightings at 1 kHz	0,2	0,2
6. Long - term stability	0,1	0,1
7. Level linearity on the reference level range	0,2	0,3
8. Level linearity including the level range control	0,2	0,3
9. Tone burst response	0,2	0,3
10. Peak C sound level	0,2	0,35
11. Overload indication	0,2	0,25
12. High level stability	0,1	0,1

7. Return

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4. Electrical signal tests of frequency weightings

Weighting network response with relative to 1 kHz.

Frequency (Hz)	Deviation from various frequency weighting response curve (dB)			
	Flat	C-weight	A-weight	Acceptance Limits
63	-0,1	0,0	0,0	+2,0
125	0,0	0,0	0,0	+1,5
250	0,0	0,0	0,0	+1,5
500	0,0	0,0	0,0	+1,5
1000	0,0	0,0	0,0	+1,0
2000	0,0	0,0	0,0	+2,0
4000	0,0	0,0	0,0	+3,0
8000	0,0	0,1	0,1	+5,0

5. Frequency and time weightings at 1 kHz

5.1 Frequency weightings at 1 kHz

Frequency Weighting	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
A - weight	94,0	94,0	0,0	± 0,2
C - weight	94,0	94,0	0,0	± 0,2
Flat	94,0	94,0	0,0	± 0,2

5.2 Time weighting at 1 kHz

Frequency Weighting	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Fast	94,0	94,0	0,0	± 0,1
Slow	94,0	94,0	0,0	± 0,1
Leq	94,0	94,0	0,0	± 0,1

6. Long - term stability

Frequency Weighting	SLM Display at initial (dB)	SLM Display at final (dB)	Deviated Value (dB)	Acceptance Limits (dB)
A - weight	94,0	94,0	0,0	± 0,3

7. Return

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CALIBRATION LABORATORY

45/45/1 Sirinthon Road, Bangbunru, Bangkok, 10700 Thailand
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Cert. No. : ACL24071
Job No. : VC67AC0054
Pages : 4 of 8

Result of calibration :

1. Absolute sensitivity

Reference Acoustic Signal (dB)	Measured Value (dB)	Deviation (dB)	Acceptance Limit (dB)
93,9 (93,98)	93,9	0,0	±0,3

2. Self-generated noise

2.1 Normal test

Measured Value (dB)
17,3

2.2 The microphone of the sound level meter was replaced by electrical signal input device.

Frequency Weighting	Measured value (dB)
A - weight	14,8
C - weight	20,6
Flat	26,4

3. Acoustical signal tests of frequency weightings

Meter free-field acoustic response at a level of 84 dB

Frequency (Hz)	Deviation from various frequency weighting response curve (dB)			
	Flat	C-weight	A-weight	Acceptance Limits
125	0,0	0,0	0,0	± 1,5
1000	0,0	0,0	0,0	± 1,0
8000	1,4	1,5	1,5	±5,0

7. Return

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7. Level linearity on the reference level range

Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
137,0	137,0	0,0	± 1,1
136,0	136,0	0,0	± 1,1
135,0	135,0	0,0	± 1,1
134,0	134,0	0,0	± 1,1
133,0	133,0	0,0	± 1,1
132,0	132,0	0,0	± 1,1
131,0	131,0	0,0	± 1,1
129,0	129,0	0,0	± 1,1
124,0	124,0	0,0	± 1,1
119,0	119,0	0,0	± 1,1
114,0	114,0	0,0	± 1,1
109,0	109,0	0,0	± 1,1
104,0	104,0	0,0	± 1,1
99,0	99,0	0,0	± 1,1
94,0	94,0	0,0	± 1,1
89,0	89,0	0,0	± 1,1
84,0	84,0	0,0	± 1,1
79,0	79,0	0,0	± 1,1
74,0	74,0	0,0	± 1,1
69,0	69,0	0,0	± 1,1
64,0	64,0	0,0	± 1,1
59,0	59,0	0,0	± 1,1
54,0	53,0	-0,1	± 1,1
49,0	48,9	-0,1	± 1,1
44,0	43,9	-0,1	± 1,1
39,0	38,9	-0,1	± 1,1
34,0	33,9	-0,1	± 1,1
30,0	29,9	-0,1	± 1,1
29,0	28,9	-0,1	± 1,1
28,0	27,9	-0,1	± 1,1
27,0	26,9	-0,1	± 1,1
26,0	25,8	-0,2	± 1,1
25,0	24,9	-0,1	± 1,1

7. Return

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Cert. No. : ACL24071
Job No. : VC67AC0054
Pages : 7 of 8

8. Level linearity including the level range control

Range	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Auto	94.0	94.0	0.0	±1.1

9. Tone burst response

Time Weighting	Tone burst duration, Tb (ms)	Cycle	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Fast	0.25	1	108.0	107.9	-0.1	1.5 ; -5.0
	2	8	117.0	117.0	0.0	1.0 ; -2.5
	200	800	134.0	134.0	0.0	±1.0
Slow	2	8	108.0	108.0	0.0	1.5 ; -5.0
	200	800	127.6	127.6	0.0	±1.0
	0.25	1	99.0	98.9	-0.1	1.5 ; -5.0
SEL	2	8	108.0	108.0	0.0	1.0 ; -2.5
	200	800	128.0	128.1	0.1	±1.0

10. Peak C sound level

Number of cycle in test signal	Anticipated Value (dB)	Measured Value, Lcpeak (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Continuous	133.0	133.0	0.0	±3.0
One	136.4	135.9	-0.5	±3.0

Number of cycle in test signal	Anticipated Value (dB)	Measured Value (dB)	Deviated Value (dB)	Acceptance Limits (dB)
Continuous	133.0	133.0	0.0	±2.0
Positive half cycle	135.4	135.2	-0.2	±2.0
Negative half cycle	135.4	135.2	-0.2	±2.0

T. Petch

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Cert. No. : ACL24071
Job No. : VC67AC0054
Pages : 8 of 8

11. Overload indication

Measured value (dB)		Deviated Value (dB)	Acceptance Limits (dB)
Positive one-half cycle	Negative one-half cycle		
89.7	89.5	-0.2	±1.5

12. High level stability

Frequency Weighting	SLM Display at initial (dB)	SLM Display at final (dB)	Deviated Value (dB)	Acceptance Limits (dB)
A-weight	137.0	137.0	0.0	±0.3

The reported uncertainty is based on a standard uncertainty multiplied by coverage factor $k = 2$ or any value following calculation, providing a level of confidence of approximately 95 %

End of Calibration Certificate

T. Petch



Certificate of Calibration

Certificate No.: C06230441 Page 2 of 3

Equipment: SPECTROPHOTOMETER
Model: DR6000
Serial No. (or ID.): 1627845 (RYG_EN0037)
Manufacturer: HACH
Condition: In Condition

Certificate No.: C06230441
Issued Date: 19 September 2023
Job No.: WO-0005382
Page: 1 of 3

Customer: ALS Laboratory Group (Thailand) Co., Ltd. (Rayong Branch)
616/10 Moo 5 T.Maenam Khu,
A.Pluakdaeng, Rayong 21140, Thailand.

Environment Condition: Temperature 23.9 °C ± 0.2
Humidity 65.3 %RH ± 1.4

Calibration Place: ALS Laboratory Group (Thailand) Co., Ltd. (Rayong Branch) (Wet Chemistry)
616/10 Moo 5 T.Maenam Khu,
A.Pluakdaeng, Rayong 21140, Thailand.

Calibration By: Mr. Nattapat Rungrueang
Calibration Date: 19 September 2023
The Method used: In house method, CAL-WI-24, base on ASTM E 275-08 and ASTM E 387-04
Traceability: This certificate is traceable to the CRM maintained by National Institute of Standards and Technology (NIST) through Sigma Scientific Limited.

The standard for Wavelength Certificate No. 111583 and 111584
The standard for Photometric Certificate No. 9114984 and 111588
The standard for Stray light Certificate No. 111586 and 111585
The standard for Spectral resolution Certificate No. 111587

(Mr. Nattapat Rungrueang)
Person in charge

(Mr. Nitnun Srihawan)
Authorized signatory

This certificate is issued the units of measurement according to the International System of Units (SI). It provides traceability of measurement to international or national standard or other recognized national standard laboratories.
The measurement uncertainty stated is the expanded uncertainty which is obtained from the standard uncertainty multiplied by the coverage factor ($k=2$) to provide a level of confidence of approximately 95%. It is determined in accordance with the Guide to Expression of Uncertainty in Measurement (GUM).
These results may be affected by deviations from specified conditions. The results relate only to the items tested, calibrated or sampled. The report shall not be reproduced except in full without approval of DKSH Technology Limited.

Unit: Issuance on 1st day of
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2563 ณ วันที่ 19 กันยายน 2563 ณ วันที่ 19 กันยายน 2563
Phone: +66 2638 7000 Email: info@dksh.com Website: www.dksh.com/thailand

Delivering Growth - in Asia and Beyond.

CAL-FM-C06-15: 12 Sep 2022

Calibration Results: Without Adjustment

Wavelength Accuracy (nm), The spectral bandwidth of Std at 2 nm and UUC at 2 nm				
Standard Wavelength	Unit Under Calibration	Correction	Uncertainty	
418.61	418.3	0.31	0.13	
536.66	536.6	0.06	0.13	
637.98	638.3	-0.32	0.13	
748.48	748.7	-0.22	0.13	
807.03	807.4	-0.37	0.13	
Photometric Accuracy (Absorbance)				
Wavelength	Standard absorbance	Unit Under Calibration	Correction	Uncertainty
420 nm	0.0000	0.000	0.0000	0.0045
	0.2930	0.289	0.0040	0.0045
	0.5168	0.519	-0.0022	0.0045
	1.0298	1.029	0.0008	0.0045
440 nm	0.0000	0.000	0.0000	0.0045
	0.2867	0.283	0.0037	0.0045
	0.5073	0.509	-0.0017	0.0045
	1.0083	1.007	0.0013	0.0045
465 nm	0.0000	0.000	0.0000	0.0045
	0.2516	0.250	0.0016	0.0045
	0.4595	0.462	-0.0025	0.0045
	0.9334	0.933	0.0004	0.0045
546.1 nm	0.0000	0.000	0.0000	0.0045
	0.2461	0.245	0.0011	0.0045
	0.4652	0.466	-0.0008	0.0045
	0.9488	0.946	0.0008	0.0045
590 nm	0.0000	0.000	0.0000	0.0045
	0.2594	0.259	0.0004	0.0045
	0.5040	0.505	-0.0010	0.0045
	1.0032	1.002	0.0012	0.0045
635 nm	0.0000	0.000	0.0000	0.0045
	0.2579	0.257	0.0009	0.0045
	0.4971	0.497	0.0001	0.0045
	0.9720	0.971	0.0010	0.0045

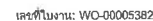
Unit: Issuance on 1st day of
2563 ณ วันที่ 19 กันยายน 2563 ณ วันที่ 19 กันยายน 2563
2563 ณ วันที่ 19 กันยายน 2563 ณ วันที่ 19 กันยายน 2563
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CAL-FM-C06-15: 12 Sep 2022



CAI-EM-C06-15: 12 Sep 2022



ชนิดเครื่องมือ: SPECTROPHOTOMETER รุ่น: DR6000

หมายเลขเครื่อง: 1627845

เปลี่ยนชื่อหน่วย : $656.1 \text{ nm} = 656.1 \text{ nm}$

*486.0nm=485.5nm

Delivering Growth - In Asia and Beyond

CAL-FM-R31-03, 20 Jul 2022



Condition of this calibration result

- #### 1. Reference Standard Instrument

<u>Instrument</u>	<u>Serial No.</u>	<u>ID No.</u>	<u>Cert. No.</u>	<u>Due Date</u>
1) Document Process Calibrator	54030049	130RC116	23E2602	27 Aug 2024
2) Ref. Standard Thermometer	4982654	110RC044	23H508	26 July 2024

This certification is traceable to the International System of Unit maintained through:
- Technology Promotion Association (Thailand-Japan)

2. **Certified Reference Materials** The measurement results are traceable to SI through CPA chem Ltd., ANSI-ASQ National Accreditation Board, Accredited No. AG-1435

<u>Buffer Solution</u>	<u>Manufacturer</u>	<u>Lot No.</u>	<u>Exp. date</u>
pH 4.008	CPA chem	9-0102	27 Nov 2025
pH 6.886	CPA chem	9-0104	02 Nov 2024
pH 9.997	CPA chem	9-0106	02 Nov 2024

3. This certificate is valid only to the item calibrated on date and place of calibration.

Calibration Results

Function : mV Measurement

Performing standard curve by Fluke at pH (4,7,10)

Performing Standard Voltage Check at pH 7.00					Uncertainty of Measurement (\pm mV)	Coverage factor <i>k</i>
Unit Under Calibration	Nominal Value	Standard Voltage Input	Actual Reading			
	pH	mV	mV	pH		
pH Meter	4.000	177.6 V	177.4	4.000	0.058	2.00
S/N: C104059460	7.000	0.00	0.0	7.000	0.058	2.00
	91.000	-177.6 V	-177.5	10.000	0.058	2.00

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Cert.No.: 24CH96
Page.: 3 of 3

Calibration Results

Function : pH Measurement

Performing three buffers standard curve by using buffer nominal pH (4.01,7.00,10.01)

Unit Under Calibration	Standard pH Buffer Solution	Actual pH Reading	Actual mV Reading (mV)	Uncertainty of pH Measurement (\pm)	Coverage factor k
pH Electrode	4.008	4.013	176.0	0.0054	2.07
S/N: 3225367	6.966	6.963	2.2	0.0084	2.00
	9.997	9.996	-174.1	0.0065	2.00

Function : Temperature Measurement

(*) Without adjustment

This equipment was connected with Temperature Probe

- Model : InLab®Expert Pro-ISM
- Serial No : 3225367
Dimension of probe
- Length : 120 mm
- Diameter : 12 mm
- Immersion Depth : 100 mm

Calibration Point ($^{\circ}\text{C}$)	Standard Temperature ($^{\circ}\text{C}$)	UUC* Reading ($^{\circ}\text{C}$)	Error ($^{\circ}\text{C}$)	Uncertainty of measurement (\pm $^{\circ}\text{C}$)	Coverage factor k
25.0	25.001	25.2	0.199	0.13	2.00

The reported uncertainty of measurement was based on a standard uncertainty multiplied by a coverage factor k, providing a level of confidence of approximately 95 %

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Santhip

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TECHNOLOGY PROMOTION ASSOCIATION (THAILAND-JAPAN)
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53/2 PATANAKARN ROAD, SOI 18, MUANG NONG, BANGKOK 10250
(T) 0-2917-3000-2 FAX 0-27-0-0081



Certificate of Calibration

Certificate No.: 24E289
Page: 1 of 2

Equipment : pH Meter
Manufacturer : Metro Toedo
Model : SevenCompact S220
Serial No.: C104059460
ID No.: RYG_EN0188
Condition As-Received : Used Item
Received Date : 18 January 2024
Calibration Date : 23 January 2024
Reference : 2401-0578DSC
Ambient Temperature : (23 \pm 2) $^{\circ}\text{C}$
Relative Humidity : (50 \pm 10) %
Submitted by : ALS Laboratory Group (Thailand) Co., Ltd. (Rayong Branch)
616/10 Moo 5, T.Maenam Khu, A.Pluakdaeng,
Rayong 21140, Thailand

Procedure used : Calibration were conducted using calibration procedure No. CP-E17 According to EURAMET cg-15

Condition of this result of calibration

1 Reference standards instruments

Instrument	Model	Serial No.	Certificate No.	Due Date
1) Multi-Product Calibrator	5000A	0015011	EZU2300035	28 May 2024
2) The result of calibration was made on request at the point specified by customer				
3) The certificate is valid only to the item calibrated on date and place of calibration				
4) The Certificate is traceable to the International System of Unit maintained through: N/A Calibration Co., Ltd. ANAB Accredited No. Calibration AC 2658				

Calibrated by : Watchiraporn Wongthakorn Approved Signatory :
Issue Date : 24 January 2024

Phalline Prathum
Nuntawat Khunchoi
Pongpang Boonyasorn



Cert. No.: 24L209
Page.: 2 of 2

Result of calibration:- (*) Without adjustment () After adjustment

Function	DC voltage measurement	Range	2000 mV	UUC* Reading	Error	Uncertainty
	Standard Value (mV)			(mV)	(mV)	(\pm μV)
	-200.0000			-200.0	0.0	68
	-150.0000			-150.0	0.0	65
	-100.0000			-100.0	0.0	63
	-50.0000			-50.0	0.0	61
	0.0000			0.0	0.0	56
	50.0000			50.0	0.0	61
	100.0000			99.9	-0.1	63
	150.0000			149.9	-0.1	65
	200.0000			199.9	-0.1	68

The reported uncertainty of measurement was based on a standard uncertainty multiplied by a coverage factor k=2, providing a level of confidence of approximately 95 %

UUC* = Unit Under Calibration.

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Metrology

SCI ECO Services Company Limited

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Sarabun Tel : +66 3627 3096 Fax : +66 3627 3100
Bangkok Tel : +668 9205 6851, +669 8247 2360
Website : www.scieco.co.th E-Mail : calibrate@scg.com



Certificate No. T241120

Page 1 of 4

Certificate of Calibration

Equipment : Chamber (Cold Room)
Manufacturer : MODULAR
Model : IREVOHCOO
Serial No. : C00351459
Customer Code : RYG_EN0184
ID No. : T1939A5
Customer : ALS Laboratory Group (Thailand) Co., Ltd. (Rayong Branch)
616/10 Moo 5 T.Maenam Khu,
A.Pluakdaeng, Rayong 21140
Customer Location : Laboratory
Date of Receipt : 5 June 2024
Calibrated By : Sujjar Naknakred (Site Calibration Manager)
Approved By : Preecha Phisassutthikul (Temperature Calibration Manager)
Date of Issue : 12 JUN 2024

REVIEW BY : Inantratt
APPROVED BY : P. Phisassutthikul
NEXT CAL DATE : 11/05/25

The uncertainties are for a confidence probability of approximately 95%.

This Certificate is issued in accordance with the conditions of accreditation granted by the Thai Laboratory Accreditation Scheme which has assessed the measurement capability of the laboratory and its traceability to recognized national standards and to the units of measurement realized at the corresponding national standard laboratory. This certificate may not be reproduced other than in full except with the prior written approval of the Metrology.

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Certificate No. T241120

Page 2 of 4

Calibration Report

Equipment : Chamber (Cold Room)
Date of Calibration : 11 June 2024
Environment : Temperature : 23.1-24.1 °C
Line Voltage : 222.3-226.3 V
Relative Humidity : 55 - 65 %RH

Condition of this results of calibration :

1. This equipment was calibrated by insert nine standard thermocouples type T into its chamber, the other one standard thermocouples type T use for ambient temperature measurement. The calibration was done in according to WI-T201 based on ASTM E145-94 (Reapproved 2001) and AS2853-1986.
All data show below were final values and the initial data from customer request. The temperature scale used was based on ITS - 90.

2. Reference Standard Instrument

Instrument	Model	Instrument No.	Certificate No.	Due Date
TC	TYPE T	TN161-TN170	T240713	19 April 2025
TC	TYPE T	TN171-TN180	T240713	19 April 2025
DATA LOGGER	34970A	1149	T240713	19 April 2025

3. This certificate is traceable to

National Institute of Metrology (Thailand) through Metrological Center (NSC-TIS-17025 CALIBRATION 0244)

4. Condition of calibrated item : good

Equipment Description :

Time Constant : 3 Hour 30 Minute At 3 °C
Fresh Air Damper : ☐ Open ☒ Min ☐ Medium ☐ Max
☐ Close
☒ Not Available

5. Adjustment :

() without adjustment (X) after adjustment

Approved By:

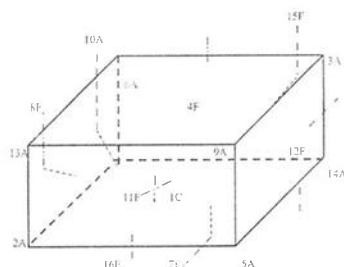
NSC-TIS-17025 CALIBRATION 0244



Certificate No. T241120

Page 3 of 4

Calibration Report



C = Centre, F = Centre of Face, A = Corner, E = Centre of Edge

1C = TN161	11F = TN171
2A = TN162	12F = TN172
3A = TN163	13A = TN173
4F = TN164	14A = TN174
5A = TN165	15F = TN175
6A = TN166	16E = TN176
7F = TN167	
8F = TN168	
9A = TN169	
10A = TN170	

Approved By:

NSC-TIS-17025 CALIBRATION 0244



Certificate No. T241120

Page 4 of 4

Calibration Report

Measurement Results:

Calibration Point	Average Standard Reading at each position (°C)									
	TN161	TN162	TN163	TN164	TN165	TN166	TN167	TN168	TN169	TN170
3	2.75	2.70	2.77	2.74	2.69	2.35	3.09	3.21	3.68	2.90
	TN171	TN172	TN173	TN174	TN175	TN176				
	3.59	3.01	2.92	2.81	2.42	2.42				

Chamber (Cold Room)			Temperature Distribution				
Setting (°C)	Reading (°C)		Average (°C)	Stability (± °C)	Uniformity (°C)	Uncertainty (± °C)	Coverage Factor k
	Min	Max					
3.0	2.9	4.4	3.7	2.97	1.52	1.13	2.00

* The quoted uncertainty exclude " uniformity "

The calibration result apply only the above calibrated item

The result of test was found accurate as shown on date and place of test only

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor k which for a distribution providing a level of confidence of approximately 95 %.

Approved By:

NSC-TIS-17025 CALIBRATION 0244



Cert.No : 23TW168
Page: 1 of 2

Certificate of Testing

Equipment : DO Meter

Manufacturer : YSI

Model : 5000-115V

Serial No. : 15E102796

ID No. : RYG_END0032

Received Date : 21 July 2023

Test Date : 24 July 2023

Reference : 2307-0713DSC-1

Submitted by : ALS Laboratory Group (Thailand) Co.,Ltd.
Rayong Branch
616/10 Moo 5, T.Maenam Khu, A.Pluekdaeng,
Rayong 21140, Thailand

Laboratory Condition : Temperature (25 ± 5) °C
Humidity (50 ± 20) %

Test Procedure : In-house method : CP-CH9
by Comparison Technique with Azide Modification Method

Tested by : Waiiaak Sirithean

Approved by :
Approved Signatory

() Malee Bulkruea
(✓) Saithip Meangmai
() Warakom Lerngagrakul

Issue Date : 26 July 2023

B 0320211



Cert.No.: 23TW158
Page: 2 of 2

Condition of this result of calibration

1. Reference Standard Instruments :

This certification is traceable to the International System of Unit through the reference standards laboratory of Industrial Calibration Center, Technology Promotion Association (Thailand-Japan).

Instruments	Serial No.	ID No.	Certificate No.	Due Date
1) Burette	-	130BU10	23CG1172	22 Mar 2025
2) Balance	1126143764	140RC004	22MM50	20 Sep 2023

2. Standard Material :-

Material	Manufacturer	Lot.No.	Assay
Sodium Thiosulfate pentahydrate	Merck	AM1763316	100.2%

Result : Dissolved Oxygen Meter Adjustment With Air 100 %

Dissolved Oxygen Probe No. : 15E100464

Titration Method (Azide Modification Method) (mg/L)	DO Meter Reading (mg/L)	Standard Deviation (mg/L)
8.18	8.17	0.0055

This report was certified only for the instrument we tested, it is allowable to use for study the system efficiency, The environmental impact control and present to organization it may concerned intend to use for advertising and referral purpose is prohibited. This report may not be reproduced other in full, without written approval of the laboratory

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Saitip

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TEL. 0-2717-9000-29 FAX 0-2719-9461



Cert. No.: 23LM125
Page: 1 of 2

Certificate of Calibration

Equipment : DO Meter with Sensor
Manufacturer : YSI
Model : 5000-115V
Serial No. : 15E102796
ID No. : RYG_EN0032
Submitted by : ALS Laboratory Group (Thailand) Co., Ltd.
Rayong Branch
616/10 Moo 5 T. Maenam Khu, A. Pluakdaeng,
Rayong 21140 Thailand
Location : TPA On Site Calibration Laboratory
Received Order : 25 July 2023
Calibrated Date : 27 July 2023
Ambient Temperature : (26 ± 10) °C
Relative Humidity : (50 ± 30) %
AC Line Voltage : (220 ± 22) V
Calibrated by : Preecha Hlahib
Approved by : *[Signature]*
Approved Signatory
() Pornthippa Tameyakul
() Malee Butkruea
(✓) Suwit Imjai
Issue Date : 31 July 2023

The Uncertainties are for a confidence probability of approximately 95%

This certificate may not be reproduced other than in full, except with the prior written
Approval of the head of Corporate Services 3: Equipment Calibration and Testing Services

A 0053616



Equipment : DO Meter with Sensor
Condition As-Received : Used Item
Reference : 2307-0713DSC-2

Cert. No.: 23LM125
Page: 2 of 2

Procedure Used :-

Calibration were conducted using in-house calibration procedure CP-OT01 according to comparison with Industrial Platinum Resistance Thermometer (IPRT) into Temperature Bath.

The temperature scale used was based on ITS-90.

Condition of this result of calibration

1. Reference standard instrument:-

Instrument	Serial No.	Cert. No.	Traceable	Due Date
1) Digital Thermometer	2188080	221285	TPA	21 Oct 2023

2. This certificate is valid only to the item calibrated on date and place of calibration.

3. This certification is traceable to the International System of Unit.

Remark : TPA : Technology Promotion Association (Thailand - Japan)

Result of Calibration :- (*) Without Adjustment

Function : Temperature measurement.

This instrument was connected with temperature sensor, S/N : 1228475367

Calibration Point (°C)	Immersion Depth (mm)	Standard Temperature (°C)	UUC* Reading (°C)	Error (°C)	Uncertainty (± °C)	Coverage Factor k
20.00	100	20.011	19.91	-0.101	0.15	2.00

UUC* : Unit Under Calibration

The reported uncertainty of measurement was based on a standard uncertainty multiplied by a coverage factor *k*, providing a level of confidence of approximately 95 %.

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a 1159515



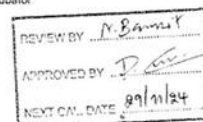
TECHNOLOGY PROMOTION ASSOCIATION (THAILAND-JAPAN)
CORPORATE SERVICES 3: EQUIPMENT CALIBRATION AND TESTING SERVICES
534-4 PATTANAKARN ROAD SOI 18, SUANLUANG, SUANLUANG RANGKOK 10250
TEL. 0-2717-9000-29 FAX 0-2719-9461



Cert. No.: 23TM362
Page: 1 of 3

Certificate of Calibration

Equipment : Low Temp. Incubator
Manufacturer : Memmert
Model : IPP750
Serial No. : V818.0084
ID No. : RYG_EN0154
Submitted by : ALS Laboratory Group (Thailand) Co., Ltd.
Rayong Branch
616/10 Moo 5 T: Maenam Khu,
A. Pluakdaeng, Rayong 21140 Thailand
Location : BOD Room
Received Order : 29 May 2023
Calibration Date : 29 May 2023
Ambient Temperature : (26 ± 10) °C
Relative Humidity : (50 ± 30) %
Calibrated by : Man Pattansongpaiboon
Approved by : *[Signature]*
Approved Signatory
() Pornthippa Tameyakul
() Malee Butkruea
(✓) Suwit Imjai
Issue Date : 7 June 2023



The Uncertainties are for a confidence probability of approximately 95%

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Approval of the head of Corporate Services 3: Equipment Calibration and Testing Services

A 0054967



Equipment : Low Temp. Incubator
Condition As-Received : Used Item
Reference : 2305-0898OC-2
Procedure Used :-

Cert. No.: 23TM962
Page : 2 of 3

Calibration were conducted using calibration procedure CP-OT02 according to direct measurement method with Data Acquisition which connected with Resistance Temperature Detector (RTD).

The temperature scale used was based on ITS-90.

Condition of this result of calibration

1. Reference standard instrument:-

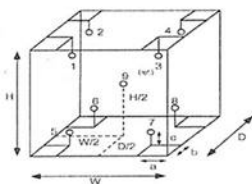
Instrument	Model	Serial No.	Cert. No.	Due Date
1) Data Acquisition	34972A	MY57013711	Z2LM93	02 Jul 2023

2. This certificate is valid only to the item calibrated on date and place of calibration
3. This certification is traceable to the International System of Unit.

Result of Calibration :- (*) Without Adjustment

Function of UUC* : Temperature Source

Fresh air setting : Close



Probe Installation Details :

a = 10 cm
b = 10 cm
c = 10 cm

Dimension of Chamber :

D = 0.60 m
W = 1.0 m
H = 1.2 m
Capacity = 0.75 m³

Environment during calibration		
	Beginning	Finished
Temp. (°C)	23	23
REL Humid. (%)	54	56
AC Supply (Volt)	223	222

Position :	Ref. Std. ID No.:
1	18-18RTD-01
2	18-18RTD-02
3	18-18RTD-03
4	18-18RTD-04
5	18-18RTD-05
6	18-18RTD-10
7	18-18RTD-07
8	22-18RTD-08
9 (ref.)	18-18RTD-09

a 1165130



Equipment : Low Temp. Incubator
Condition As-Received : Used Item
Reference : 2305-0898OC-2
Result of Calibration :- (*) Without Adjustment
Function of UUC* : Temperature Source
Fresh air setting : Close

Cert. No.: 23TM962
Page : 3 of 3

Calibration Point (°C)	UUC* Setting (°C)	UUC* Reading (°C)	Temperature stability (± °C)	Temperature uniformity (°C)	Overall Variation (°C)	Coverage Factor k
20.0	20.0	20.0	0.019	0.72	1.0	2

Calibration Point (°C)	Measured Temperature (°C)									Uncertainty (± °C)
	1	2	3	4	5	6	7	8	9 (ref.)	
20.0	19.547	19.780	19.487	19.529	19.408	20.139	20.112	20.406	20.116	0.30

Average* : The average of 30 values in each position.

Temperature stability : One-half of the greatest maximum difference of measured temperature at any one sensor.
Temperature uniformity : The maximum difference of measured temperatures at any sensors and the measured temperature at the reference location which are observed at the same time or at as close an observation time as possible to determine the temperature pattern or homogeneity within the chamber under steady-state conditions.
Overall Variation : The Difference of the maximum and minimum measured temperatures throughout observation.
UUC* : Unit Under Calibration

Note : The reported uncertainty of measurement was included stability and excluded uniformity.

The reported uncertainty of measurement was based on a standard uncertainty multiplied by a coverage factor k, providing a level of confidence of approximately 95 %.

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a 1165129



TECHNOLOGY PROMOTION ASSOCIATION (THAILAND-JAPAN)
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TEL 0-2717-3000-29 FAX 0-2719-9484



Certificate of Calibration

Cert. No.: 24TM1663
Page : 1 of 3

Equipment : Low Temp. Incubator

Manufacturer : Memmert

Model : IPP750

Serial No. : V818.0084

ID No. : RYG_EN0154

Submitted by : ALS Laboratory Group (Thailand) Co., Ltd. Rayong Branch
616/10 Moo 5, T.Maenam Khu,
A.Pluakdaeng,
Rayong 21140, Thailand

Location : BOD Room

Received Order : 01 November 2024

Calibration Date : 01 November 2024

Ambient Temperature : (26 ± 10) °C

Relative Humidity : (50 ± 30) %

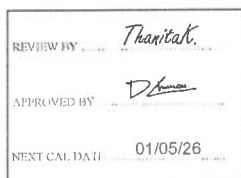
AC Line Voltage : (220 ± 22) V

Calibrated by : Krisda Malee

Approved by :

() Ponpan Palpin
() Suwit Imjai
(✓) Kunchit Promprat

Issue Date : 07 November 2024



Equipment : Low Temp. Incubator
Condition As-Received : Used Item
Reference : 2411-0002OC-1
Procedure Used :-

Cert. No.: 24TM1663
Page : 2 of 3

Calibration were conducted using calibration procedure CP-OT02 based on TLAS G-20 according to direct measurement method with Data Acquisition which connected with Resistance Temperature Detector (RTD).

The temperature scale used was based on ITS-90.

Condition of this result of calibration

1. Reference standard instrument:-

Instrument	Serial No.	Cert. No.	Traceable	Due Date
1) Data Acquisition	MY44073381	24LM73	TPA	18 May 2025

2. This certificate is valid only to the item calibrated on date and place of calibration.

3. This certification is traceable to the International System of Unit.

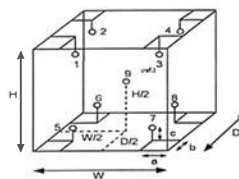
Remark : TPA : Technology Promotion Association (Thailand - Japan)

Result of Calibration :- (*) Without Adjustment

Function of UUC* : Temperature Source

Fresh air setting : Close

Environment during calibration		
	Beginning	Finished
Temp. (°C)	24	25
REL Humid. (%)	55	53
AC Supply (Volt)	220	221



Probe Installation Details :

a = 10 cm
b = 10 cm
c = 10 cm

Dimension of Chamber :

D = 0.60 m
W = 1.0 m
H = 1.2 m
Capacity = 0.72 m³

Position :	Ref. Std. ID No.:
1	1RTD-2/1
2	22-01RTD-2/2
3	22-01RTD-0/3
4	1RTD-2/4
5	1RTD-2/5
6	1RTD-2/6
7	23-01RTD-0/7
8	1RTD-2/8
9 (ref.)	23-01RTD-0/8

The Uncertainties are for a confidence probability of approximately 95%.

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Equipment : Low Temp. Incubator
Condition As-Received : Used Item
Reference : 2411-0002OC-1
Result of Calibration :- (°) Without Adjustment
Function of UUC* : Temperature Source
Fresh air setting : Close

Cert. No.: 24TM1663
Page : 3 of 3

Calibration Point (°C)	UUC* Setting (°C)	UUC* Reading (°C)	Temperature stability (± °C)	Temperature uniformity (°C)	Overall Variation (°C)	Coverage Factor k
20.0	20.0	20.0	0.026	0.26	0.53	2

Calibration Point (°C)	Measured Temperature (°C)									Uncertainty (± °C)
	1	2	3	4	5	6	7	8	9 (ref.)	
20.0	20.071	19.915	20.273	20.179	19.977	19.782	20.056	20.026	20.033	0.30

Average* : The average of 30 values in each position.
Temperature stability : One-half of the greatest maximum difference of measured temperature at any one sensor.
Temperature uniformity : The maximum difference of measured temperatures at any sensors and the measured temperature at the reference location which are observed at the same time or at as close an observation time as possible to determine the temperature pattern or homogeneity within the chamber under steady-state conditions.
Overall Variation : The Difference of the maximum and minimum measured temperatures throughout observation.
UUC* : Unit Under Calibration
Note : The reported uncertainty of measurement was included stability and excluded uniformity .
The reported uncertainty of measurement was based on a standard uncertainty multiplied by a coverage factor k , providing a level of confidence of approximately 95 %.

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TEL. 0-2717-3000-24 FAX. 0-2719-9484



Certificate of Calibration

Certificate No.: 24T1733
Page: 1 of 2

Equipment : Digital Thermometer
Manufacturer : Testo
Model : 106
Serial No.: 835177890921
ID No.: RYG_F50571

This certificate may not be reproduced other than in full, except with the prior written approval of the head of Corporate Services 3: Equipment Calibration and Testing Services.

Condition As-Received : Used Item
Received Date : 30 September 2024
Calibration Date : 08 October 2024 to 09 October 2024
Reference : 2409-1061DSC
Ambient Temperature : (25 ± 3) °C
Relative Humidity : (50 ± 20) %

Submitted by: ALS Laboratory Group (Thailand) Co., Ltd, Rayong Branch

618/10 Moo 5, T.Maeenam Khu, A.Puakdaeng,
Rayong 21140, Thailand

Procedure used: Calibration were conducted using in-house calibration procedure CP-T01 according to companion with Industrial Platinum Resistance Thermometer (IPRT) into liquid bath temperature controller, The temperature scale used was based on ITS-90.

Condition of this result of calibration

1. Reference standards instruments :

Instrument	Model	Serial No.	Certificate No.	Due Date
1) Digital Thermometer	1528	A7A609	2311245	19 Oct 2024
2) Industrial Platinum Resistance Thermometer	5627-12	571975	2311245	19 Oct 2024

2. The certificate is valid only to the item calibrated on date and place of calibration.

3. This Certification is traceable to the International System of Unit maintained through-

-Technology Promotion Association (Thailand-Japan), NSC-ONSC Accredited No. Calibration 0008

REVIEW BY: Pithaya T.
APPROVED BY: S.P.S.
NEXT CAL DATE: 08/10/25

Calibrated by : Yossapon Pojorn
Issue Date : 10 October 2024

Approved Signatory :
[] Phalinee Prabpaipal
[] Chalchawan Khunpluek
[x] Wanlop Larpporn



Cert. No.: 24T1733
Page: 2 of 2

Result of Calibration:- Without Adjustment
Function: Temperature measurement
Dimension of probe : Diameter 3 mm., Length 55 mm. Sheath material : Stainless Steel

Immersion Depth (mm.)	Standard Temperature (°C)	UUC* Reading (°C)	Error (°C)	Uncertainty of Measurement (± °C)
50	25.0033	25.0	-0.0033	0.12
50	30.0050	29.9	-0.1050	0.12
50	40.0027	40.0	-0.0027	0.12

UUC* : Unit Under Calibration
The reported uncertainty of measurement was based on standard uncertainty multiplied by a coverage factor $k=2$, providing a level of confidence of approximately 95%.

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TECHNOLOGY PROMOTION ASSOCIATION (THAILAND-JAPAN)
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TEL. 0-2717-3000-24 FAX. 0-2719-9484



Certificate of Calibration

Certificate No.: 23C3924
Page: 1 of 2

Equipment : pH Meter
Manufacturer : Metro Toledo
Model : SevenExcellence
Serial No.: BNS4261445
ID No.: RYG_EN0152

This certificate may not be reproduced other than in full, except with the prior written approval of the head of Corporate Services 3: Equipment Calibration and Testing Services.

Condition As-Received : Used Item
Received Date : 08 December 2023
Calibration Date : 14 December 2023

Reference : 2312-0151DSC
Ambient Temperature : (22 ± 2) °C
Relative Humidity : (50 ± 10) %

Submitted by: ALS Laboratory Group (Thailand) Co., Ltd. Rayong Branch

618/10 Moo 5, T.Maeenam Khu, A.Puakdaeng,
Rayong 21140, Thailand

Procedure used: Calibration were conducted using calibration procedure No. CP-E17 according to EJRAMET cp-18

Condition of this result of calibration

1. Reference standards instruments :

Instrument	Model	Serial No.	Certificate No.	Due Date
1) Multi-Product Calibrator	5526A	2435852	EE-0041-23	26 Apr 2024

2. This result of calibration was made on request of the client specified by customer.
3. The certificate is valid only to the item calibrated on date and place of calibration.
4. This Certification is traceable to the International System of Unit maintained through-
National Institute of Metrology, Thailand (NIMT).

REVIEW BY: N. E. N. N.
APPROVED BY: P. S. S.
NEXT CAL DATE: 14/12/25

Calibrated by : Natchanon Prasomsri
Issue Date : 15 December 2023

Approved Signatory :
[] Phalinee Prabpaipal
[x] Natchanon Prasomsri
[] Pongnigorn Oonayaporn

0331106



Cert. No.: 23E3924
Page: 2 of 2

Result of calibration:- (*) Without adjustment () After adjustment

Function:	DC voltage measurement	Range:	2000	mV
Standard Value	UUC* Reading	Error	Uncertainty	
(mV)	(mV)	(mV)	(± µV)	
-200 0000	-199.9	0.1	66	
-150 0000	-150.0	0.0	65	
-100 0000	-100.0	0.0	63	
-50 0000	-50.0	0.0	61	
0 0000	0.0	0.0	56	
50 0000	50.0	0.0	61	
100 0000	100.0	0.0	63	
150 0000	150.0	0.0	65	
200 0000	199.9	-0.1	66	

The reported uncertainty of measurement was based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a level of confidence of approximately 95 %

UUC*= Unit Under Calibration,

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TECHNOLOGY PROMOTION ASSOCIATION (THAILAND-JAPAN)
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100/271 Moo 5, T. Maenam, A. Prachinburi 31000
Tel: 021-000-2811, 021-000-2812



Cert. No.: 23CH1574
Page: 1 of 3

Certificate of Calibration

Equipment : pH Meter
Manufacturer : Mettler Toledo
Model : SevenExcellence
Serial No. : B634291445
ID No. : RYG_EN0152
Condition As-Received: Used Item
Received Date : 08 December 2023
Calibration Date : 15 December 2023
Reference : 2312-0151DSC-3
Submitted by : ALS Laboratory Group (Thailand) Co., Ltd. Rayong Branch
616/10 Moo 5, T. Maenam, A. Prachinburi, Rayong 21140, Thailand
Ambient Temperature : (25 ± 2.5) °C
Relative Humidity : (50 ± 15) %
Calibration Procedure : In-house method
- CP-CH5 by direct measurement with standard voltage calibrator and direct measurement with certified reference material (CRM)
- CP-CH8 by comparison with standard thermometer

Calibrated by : Warakorn Lergagtrakul

Approved by :
Approved Signatory

() Saithip Meangmu
() Warakorn Lergagtrakul
(x) Pongpan Palpim

Issue Date : 19 December 2023

The Uncertainties are for a confidence probability of approximately 95 %

Notes: 1. The uncertainty of measurement is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a level of confidence of approximately 95 %

A 1193422

A 0061656



Cert. No.: 23CH1574
Page: 2 of 3

Condition of this calibration result

1. Reference Standard Instrument

Instrument	Serial No.	ID No.	Cert. No.	Due Date
1) Document Process Calibrator	54030049	130RC116	23E2802	27 Aug 2024
2) Ref. Standard Thermometer	4992054	110RC044	23I908	26 July 2024

This certification is traceable to the International System of Unit maintained through:-
- Technology Promotion Association (Thailand-Japan)

2. Certified Reference Materials : The measurement results are traceable to SI through CPA chem Ltd.,
ANSI-ASQ National Accreditation Board Accredited No. AR-1835

Buffer Solution	Manufacturer	Lot No.	Exp. date
pH 4.008	CPA chem	913599	14 July 2025
pH 6.986	CPA chem	921959	01 Oct 2024
pH 9.997	CPA chem	940106	02 Nov 2024

3. This certification is valid only to the item calibrated on date and place of calibration

Calibration Results

Function : mV Measurement

Performing standard curve by Fluke at pH (4,7,10)

Unit Under Calibration	Nominal Value	Standard Voltage Input	Actual Reading	Uncertainty of Measurement	Coverage factor
	pH	mV	mV	(± mV)	k
pH Meter	4.000	177.46	177.3	0.058	2.00
S/N.: B834291445	7.000	0.00	-0.1	0.058	2.00
	10.000	-177.46	-177.5	0.058	2.00



Cert. No.: 23CH1574
Page: 3 of 3

Calibration Results

Function : pH Measurement

Performing three buffers standard curve by using buffer nominal pH (4,7,10)

Unit Under Calibration	Standard pH Buffer Solution	Actual pH Reading	Actual mV Reading (mV)	Uncertainty of pH measurement (±)	Coverage factor k
pH Electrode	4.008	4.013	184.1	0.0045	2.00
S/N.: 3225368	6.986	6.998	8.7	0.0064	2.00
	9.997	10.002	-164.7	0.0068	2.11

Function : Temperature Measurement

(*) Without adjustment

This equipment was connected with Temperature Probe,

- Model : InLab®Expert Pro-ISM

- Serial No. : 3225368

Dimension of probe;

- Length : 120 mm

- Diameter : 12 mm

- Immersion Depth : 100 mm

Calibration Point (°C)	Standard Temperature (°C)	UUC* Reading (°C)	Error (°C)	Uncertainty of measurement (± °C)	Coverage factor k
25.0	25.003	24.3	-0.703	0.13	2.00

Remark : - UUC* = Unit Under Calibration

The reported uncertainty of measurement was based on a standard uncertainty multiplied by a coverage factor k , providing a level of confidence of approximately 95 %

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A 1193852

A 1193851



SARTORIUS

Certificate of Calibration

REVIEW BY: *Tharitak*
APPROVED BY: *D. Chonchai*
NEXT CAL DATE: 02/02/2025

Model Number: MSE224S-100-DU
Description: Analytical Balance
Serial Number: 0026207038
ID No.: RYG_EN0002
Manufacturer: Sartorius
Certificate No.: 24BCI0059
Issued Date: Friday, February 23, 2024
Reference No.: 229196
Page No.: 1 of 2

Customer Name: ALS Laboratory Group (Thailand) Co., Ltd. (Rayong Branch)
616/10 Moo 5 T.Maenam Khu, A.Pluakdaeng, Rayong 21140, Thailand.

Calibrated Place: ALS Laboratory Group (Thailand) Co., Ltd. (Balance Room)
616/10 Moo 5 T.Maenam Khu, A.Pluakdaeng, Rayong 21140, Thailand.

Calibrated By: Mr.Chonchai Inthana
Calibration Date: Thursday, February 22, 2024
Calibration Procedure No.: This calibration was conducted by
Using in-house calibration procedure number (WI-003)
Based on UKAS LAB 14: 2019

Metrological data:
Capacity: 220 g Readability: 0.0001 g
Ambient Conditions:
Temperature: 24.2 °C ± 5.0 °C
Humidity: 57.0 % RH ± 10.0 % RH
Pressure: ±

Reasons for calibration
☐ New Installation ☐ Service / Repair ☒ Re-calibration/ Maintenance
Equipment Condition: ☒ Good Operate ☐ Fair

Measurement Method UKAS Publication Ref :Lab 14
The measurement uncertainty stated is the expanded uncertainty which is obtained from the standard uncertainty multiplied by the coverage factor (k=2) to provide a level of confidence of approximately 95%. It is determined in accordance with the Guide to Expression of Uncertainty in Measurement (GUM). The calibration certificate documents the traceability to National Standards, which realize the unit of measurement according to the International Standard System of Units (SI). Report of Tolerance came from list of Sartorius Metrological Specifications.

Traceability:

Model Number	Description	Traceability	Certificate No.	Due Date
YCS011-522-00	Sartorius weight set 1mg - 5000g E2.YCS011-522-00	TCS	M2308197S	23-Aug-2025
MHB-382SD	Humidity/Barenmeter/Temps Lutron MHB-382SD	DKSH	C19231845	23-Aug-2024

This certificate relate and apply this equipment only.
This certificate may not be reproduced other than in full except with the prior written approval of the Verification Operation Division Sartorius (Thailand) Co., Ltd.

SOP FM 33 03 February 2022

Mr.chonchai inthana(Technical Manager)

SARTORIUS

Certificate of Calibration

Model Number: MSE224S-100-DU
Description: Analytical Balance
Serial Number: 0026207038
ID No.: RYG_EN0002
Manufacturer: Sartorius
Certificate No.: 24BCI0059
Issued Date: Friday, February 23, 2024
Reference No.: 229196
Page No.: 2 of 2

Calibration Results : Without Adjustment

Repeatability	Eccentricity (Off-center loading error)
The repeatability is the ability of a weighing instrument to display nearly identical readings under constant test conditions when the same load within a measurement series is placed repeatedly on the weighing pan in the same manner. The standard deviation is used to express repeatability quantitatively.	The off-center loading error is yielded by the difference between the readout of the load, i.e. 1/3 or 1/4 of maximum capacity, placed in the middle of the weighing pan and between each of four additional measurement points (positions defined according to OIML R76).
Nominal Value : (Low Load) 20 g Tolerance 0.0001 g Nominal Value : (High Load) 200 g Tolerance 0.0001 g Standard Deviation 0.00007 0.00006	Nominal value : 100 g Tolerance 0.0004 g Difference 1 - 2 -0.0001 3 -0.0001 4 0.0000 5 -0.0001 6 -

Linearity
The linearity, also called linearity error, describes the deviation of the characteristic curve of a weighing instrument from the linear slope.
Tolerance 0.0002 g
Nominal Value (g) 0.01 0.05 0.1 0.5 1 5 10 20 50 100 200
Conventional Mass Value (g) 0.0100 0.0500 0.1000 0.5000 1.0000 5.0000 10.0000 20.0000 50.0000 100.0000 200.0000
Displayed Value (g) 0.0100 0.0500 0.1000 0.5000 1.0000 5.0000 10.0000 20.0000 49.9999 100.0000 199.9999
Deviation (g) 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 -0.0001 0.0000 -0.0001
Uncertainty (g) 0.00018 0.00018 0.00018 0.00018 0.00018 0.00018 0.00018 0.00018 0.00018 0.00023 0.00032
End of Report

SOP FM 33 03 February 2022



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Certificate of Calibration

Cert. No.: 24TM632
Page: 1 of 3

Equipment: Hot Air Oven
Manufacturer: Memmert
Model: UFE 500
Serial No.: G511.1572
ID No.: RYG_EN0010
Submitted by: ALS Laboratory Group (Thailand) Co., Ltd. (Rayong Branch)
616/10 Moo 5 T. Maenam Khu, A. Pluakdaeng, Rayong 21140 Thailand
Location: Oven Room
Received Order: 21 March 2024
Calibration Date: 21 March 2024
Ambient Temperature: (26 ± 10) °C
Relative Humidity: (50 ± 30) %
Calibrated by: Man Pattanasongpalboon
Approved by: *Suwit Imjai*
() Ponthippa Tameyakul
() Unnopphol Harachai
(x) Suwit Imjai
Issue Date: 22 March 2024

REVIEW BY: *Tharitak*
APPROVED BY: *D. Chonchai*
NEXT CAL DATE: 21/09/25



Equipment: Hot Air Oven
Condition As-Received: Used Item
Reference: 2403-0563OC-1
Procedure Used: -

Cert. No.: 24TM632
Page: 2 of 3

Calibration was conducted using calibration procedure CP-OT02 according to direct measurement method with Data Acquisition which connected with Resistance Temperature Detector (RTD) and Thermocouple Type T.

The temperature scale used was based on ITS-90.

Condition of this result of calibration

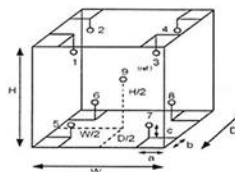
Instrument	Serial No.	Cert. No.	Traceable	Due Date
1) Data Acquisition	MY57013711	23LM115	TPA	11 Jul 2024

2. This certificate is valid only to the item calibrated on date and place of calibration.
3. This certification is traceable to the International System of Unit.

Remark: TPA: Technology Promotion Association (Thailand - Japan)

Result of Calibration

Function of UUC: Temperature Source
Fresh air setting: Close



Probe Installation Details: Dimension of Chamber:
a = 5.0 cm D = 0.40 m
b = 5.0 cm W = 0.56 m
c = 5.0 cm H = 0.48 m
Capacity = 0.11 m³

Environment during calibration		
	Beginning	Finished
Temp. (°C)	27	27
REL.Humid. (%)	57	59
AC Supply (Volt)	222	224

Ref. Std. ID No.: @ Calibration Point		
Position:	(180) °C	(104) °C
1	18-18TC-01	18-18RTD-01
2	18-18TC-02	18-18RTD-02
3	18-18TC-03	18-18RTD-03
4	18-18TC-04	18-18RTD-04
5	18-18TC-05	18-18RTD-05
6	18-18TC-06	23-18RTD-06
7	18-18TC-07	18-18RTD-07
8	18-18TC-08	22-18RTD-08
9 (ref.)	18-18TC-09	18-18RTD-09



Equipment : Hot Air Oven
Condition As-Received : Used Item
Reference : 2403-05630C-1
Result of Calibration : (*) Without Adjustment
Function of UUC* : Temperature Source
Fresh air setting : Close

Cert. No.: 24TM632
Page : 3 of 3

Calibration Point (°C)	UUC* Setting (°C)	UUC* Reading (°C)	Temperature stability (± °C)	Temperature uniformity (°C)	Overall Variation (°C)	Coverage Factor k
104.0	104.0	104.0	0.051	0.59	0.62	2
180.0	180.0	180.0	0.15	1.3	1.7	2

Calibration Point (°C)	Measured Temperature (°C)									Uncertainty (± °C)
	1	2	3	4	5	6	7	8	9 (ref.)	
104.0	103.921	103.786	103.757	103.759	103.950	103.817	104.213	103.672	103.673	0.42
180.0	179.814	179.270	179.145	179.589	180.001	180.423	180.293	180.629	179.429	1.1

Average* : The average of 30 values in each position.
Temperature stability : One-half of the greatest maximum difference of measured temperature at any one sensor.
Temperature uniformity : The maximum difference of measured temperatures at any sensors and the measured temperature at the reference location which are observed at the same time or at as close an observation time as possible to determine the temperature pattern or homogeneity within the chamber under steady-state conditions.
Overall Variation : The Difference of the maximum and minimum measured temperatures throughout observation.
UUC* : Unit Under Calibration
Note : The reported uncertainty of measurement was included stability and excluded uniformity .

The reported uncertainty of measurement was based on a standard uncertainty multiplied by a coverage factor k, providing a level of confidence of approximately 95 %.

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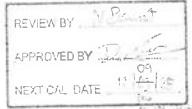
Certificate of Calibration

Represent to Certificate of Calibration No. C29240007

Equipment: Block Digestion Unit
Model: KT-20s
Serial No. (or ID.): 5720210006/5770C200073
Manufacturer: Gernhardt
Condition: In Condition
Certificate No. C29240011
Issued Date: 22 March 2024
Job No: WO-00020429
Page: 1 of 4
Digestion Block: 20 holes

Customer: ALS Laboratory Group (Thailand) Co., Ltd. (Rayong Branch)
616/10 Moo 5 T. Maenam Khu, A. Pluakdaeng, Rayong 21140, Thailand

Environment Condition: Temperature 25 °C ± 0.7 °C
Humidity 54 %RH ± 4 %RH
Voltage 225 VAC ± 1.7 VAC



Calibration Place: ALS Laboratory Group (Thailand) Co., Ltd. (Rayong Branch)
(Wei Chemistry Lab)
616/10 Moo 5 T. Maenam Khu, A. Pluakdaeng, Rayong 21140, Thailand

Calibration By: Mr. Thanathorn Phunook
Calibration Date: 11 March 2024
The Method used: In house method, base on by comparison with standard
Traceability: This certificate is traceable to the SI units maintained by National Institute of Metrology (NIMT), Thailand through N.M. Technical Center Laboratory (NTL)
Certificate No: TC22/0090

(Mr. Thanathorn Phunook)

Person in charge

(Mr. Udon Srichana)

Authorized signatory

This certificate is issued on the basis of measurements carried out in the International System of Units (SI). It is issued for the purpose of measurement in accordance with the requirements of the International System of Units (SI). The measurement uncertainty stated in this certificate is based on the standard uncertainty multiplied by the coverage factor k=2, its probability of coverage is approximately 95%. It is determined in accordance with the Guide to the Expression of Uncertainty in Measurement (GUM). These results may be affected by deviations from specified conditions. The results relate only to the items tested, calibrated or sampled. The results shall not be reproduced except in full without approval of DKSH Technology Limited.

DKSH Technology Limited
21/13 Moo 5 T. Maenam Khu, A. Pluakdaeng, Rayong 21140
21/13 Moo 5 T. Maenam Khu, A. Pluakdaeng, Rayong 21140
Phone: +66 32 211 1100 Email: info@dksh.com Website: www.dksh.com

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CAL-TH-009-01 26 Jul 2022

Certificate No. C29240011 Page 2 of 4

Certificate No. C29240011 Page 3 of 4

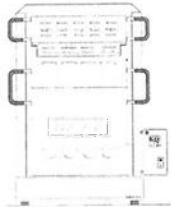
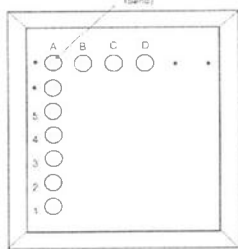


Fig. 1. Front view



Location of standard

Fig. 2 Digestion block

Definitions

Indicating Temperature: The average reading of indicating device which forms the integral part of the Digestion block.

Measured Temperature: The average reading of indicating standard at any positions or location.

Calibration Results: Pre Calibration

Locations	Desired (°C)	Setting (°C)	Indicating (°C)	Measured Temperature (°C)	Correction of UUC (°C)	Uncertainty (± °C)
A1	380	300	380	401.5	21.5	1.5
A2				401.2	21.2	1.5
A3				399.1	19.1	1.5
A4				397.8	17.8	1.5
A5				395.1	15.1	1.5
B1				396.6	16.6	1.5
B2				396.1	16.1	1.5
B3				392.9	12.9	1.5
B4				391.6	11.6	1.5
B5				390.7	10.7	1.5
C1				395.3	15.3	1.5
C2				395.6	15.6	1.5
C3				392.8	12.8	1.5
C4				391.7	11.7	1.5
C5				390.3	10.3	1.5
D1				397.6	17.6	1.5
D2				396.6	16.6	1.5
D3				395.0	15.0	1.5
D4				394.2	14.2	1.5
D5				393.6	13.6	1.5

Calibration Results:
Without adjustment

Locations	Desired (°C)	Setting (°C)	Indicating (°C)	Measured Temperature (°C)	Correction of UUC (°C)	Uncertainty (± °C)
A1	390	365	365	392.5	17.5	1.5
A2				392.4	17.4	1.5
A3				389.1	17.1	1.5
A4				379.7	14.7	1.5
A5				378.3	13.3	1.5
B1				380.1	15.1	1.5
B2				380.1	15.1	1.5
B3				378.5	13.5	1.5
B4				378.3	13.3	1.5
B5				378.1	14.1	1.5
C1				380.1	15.1	1.5
C2				380.1	15.1	1.5
C3				378.9	13.9	1.5
C4				378.2	13.2	1.5
C5				377.3	12.3	1.5
D1				380.5	15.5	1.5
D2				380.6	15.6	1.5
D3				376.1	13.1	1.5
D4				376.7	13.7	1.5
D5				377.7	12.7	1.5

The End of Certificate

DKSH Technology (Thailand) Co., Ltd.
2523 ถนนสุขุมวิท แขวงคลองเตย เขตคลองเตย กรุงเทพมหานคร 10110
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CAP 1247 (Rev. 01) 23/2022

ใบตรวจสอบสภาพเครื่องควบคุมอุณหภูมิ

เลขที่ใบงาน WO-00020429

ชนิดเครื่องมือ Block Digestion Unit

รุ่น KT-20s

หมายเลขเครื่อง 5720210009/5770200073

ตรวจสอบ (วัน)		รายการตรวจเช็ค	ตรวจสอบ (สิ่ง)		หมายเหตุ
11 Mar 2024			11 Mar 2024		
ปกติ	ไม่ปกติ		ปกติ	ไม่ปกติ	
		General			
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<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2. การทำงาน Main Switch	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3. การทำงาน Selector Key	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4. การแสดงผล Display	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5. สลัก Hole	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	6. สลักฝาปิด	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	7. สลักตัวเครื่อง	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	8. สลักอะแดปเตอร์ ณ สถานีเครื่อง	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

ชื่อเจ้าหน้าที่

Mr. Thanathorn Phumook
Service Engineer

DKSH Technology (Thailand) Co., Ltd.
2523 ถนนสุขุมวิท แขวงคลองเตย เขตคลองเตย กรุงเทพมหานคร 10110
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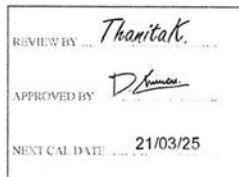
TECHNOLOGY PROMOTION ASSOCIATION (THAILAND-JAPAN)
CORPORATE SERVICES 3: EQUIPMENT CALIBRATION AND TESTING SERVICES
534/4 PATTANAKARN ROAD SOI 18, SUANLUANG, SUANLUANG BANGKOK 10250
TEL.0-2717-3000-29 FAX.0-2719-9484



Certificate of Calibration

Cert. No.: 24TM634
Page : 1 of 3

Equipment : Hot Air Oven
Manufacturer : Memmert
Model : UF 110
Serial No. : B423.0853
ID No. : RYG_EN0213
Submitted by : ALS Laboratory Group (Thailand) Co.,Ltd. (Rayong Branch)
616/10 Moo 5 T. Maenam Khu,
A. Pluakdaeng,
Rayong 21140 Thailand
Location : Oven Room
Received Order : 21 March 2024
Calibration Date : 21 - 22 March 2024
Ambient Temperature : (26 ± 10) °C
Relative Humidity : (50 ± 30) %
Calibrated by : Man Pattanapongpalboon
Approved by :
() Pornthippa Tameyakul
() Unnopphol Harachai
(✓) Suwit Injai
Issue Date : 23 March 2024



Equipment : Hot Air Oven
Condition As-Received : Used Item
Reference : 2403-0563OC-3
Procedure Used :-

Cert. No.: 24TM634
Page : 2 of 3

Calibration were conducted using calibration procedure CP-OT02 according to direct measurement method with Data Acquisition which connected with Resistance Temperature Detector (RTD) and Thermocouple Type T.

The temperature scale used was based on ITS-90.

Condition of this result of calibration

1. Reference standard instrument:-

Instrument	Serial No.	Cert. No.	Traceable	Due Date
1) Data Acquisition	MY57013711	23LM115	TPA	11 Jul 2024

2. This certificate is valid only to the item calibrated on date and place of calibration.

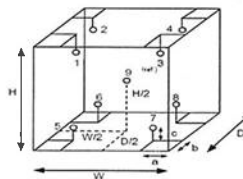
3. This certification is traceable to the International System of Unit.

Remark : TPA : Technology Promotion Association (Thailand - Japan)

Result of Calibration :- (*) Without Adjustment

Function of UUC* : Temperature Source

Fresh air setting : Close



Probe Installation Details : Dimension of Chamber :
a = 5.0 cm D = 0.40 m
b = 5.0 cm W = 0.56 m
c = 5.0 cm H = 0.48 m
Capacity = 0.11 m³

Environment during calibration		
	Beginning	Finished
Temp. (°C)	27	27
REL.Humid. (%)	59	59
AC Supply (Volt)	224	223

Ref. Std. ID No. : @ Calibration Point		
Position :	(180) °C	(104) °C
1	18-18TC-01	18-18RTD-01
2	18-18TC-02	18-18RTD-02
3	18-18TC-03	18-18RTD-03
4	18-18TC-04	18-18RTD-04
5	18-18TC-05	18-18RTD-05
6	18-18TC-06	23-18RTD-06
7	18-18TC-07	18-18RTD-07
8	18-18TC-08	22-18RTD-08
9 (ref.)	18-18TC-09	18-18RTD-09

The Uncertainties are for a confidence probability of approximately 95%

This certificate may not be reproduced other than in full, except with the prior written
Approval of the head of Corporate Services 3: Equipment Calibration and Testing Services.



Equipment : Hot Air Oven
Condition As-Received : Used Item
Reference : 2403-0563OC-3
Result of Calibration :- (*) Without Adjustment
Function of UUC* : Temperature Source
Fresh air setting : Close

Cert. No.: 24TM634
Page : 3 of 3

Calibration Point (°C)	UUC* Setting (°C)	UUC* Reading (°C)	Temperature stability (± °C)	Temperature uniformity (°C)	Overall Variation (°C)	Coverage Factor k
104.0	104.0	104.0	0.065	0.52	0.90	2
180.0	180.0	180.0	0.20	1.2	2.0	2

Calibration Point (°C)	Measured Temperature (°C)									Uncertainty (± °C)
	1	2	3	4	5	6	7	8	9 (ref.)	
104.0	104.169	103.506	103.696	103.712	103.772	103.730	104.289	103.805	103.798	0.42
180.0	180.701	179.239	179.935	179.999	180.127	180.138	180.695	179.313	180.211	1.1

Average* : The average of 30 values in each position.
Temperature stability : One-half of the greatest maximum difference of measured temperature at any one sensor.
Temperature uniformity : The maximum difference of measured temperatures at any sensors and the measured temperature at the reference location which are observed at the same time or at as close an observation time as possible to determine the temperature pattern or homogeneity within the chamber under steady-state conditions.
Overall Variation : The Difference of the maximum and minimum measured temperatures throughout observation.
UUC* : Unit Under Calibration

Note : The reported uncertainty of measurement was included stability and excluded uniformity .

The reported uncertainty of measurement was based on a standard uncertainty multiplied by a coverage factor k, providing a level of confidence of approximately 95 %.

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Certificate of Calibration

Cert. No.: 24TM635
Page : 1 of 3

Equipment : Water Bath

Manufacturer : Memmert

Model : WNB22

Serial No. : L513,0648

ID No. : RYG_EN0061

Submitted by : ALS Laboratory Group (Thailand) Co.,Ltd. (Rayong Branch)
616/10 Moo 5, T. Maenam Khu,
A. Pluskdaeng,
Rayong 21140, Thailand

Location : Wet Chemistry Lab

Received Order : 21 March 2024

Calibration Date : 21 March 2024

Ambient Temperature : (26 ± 10) °C

Relative Humidity : (50 ± 30) %

Calibrated by : Man Pattanasongpaiboon

Approved by :

() Pornthippa Tameyakul
() Unnopphol Harachai
(✓) Suwit Imjai

Issue Date : 23 March 2024

The Uncertainties are for a confidence probability of approximately 95%

This certificate may not be reproduced other than in full, except with the prior written Approval of the head of Corporate Services 3: Equipment Calibration and Testing Services.



Equipment : Water Bath
Condition As-Received : Used Item
Reference : 2403-0563OC-4
Procedure Used :-

Cert. No.: 24TM635
Page : 2 of 3

Calibration was conducted using in-house calibration procedure CP-OT04 Based on ASTM E715 according to direct measurement method with Data Acquisition which connected with Industrial Platinum Resistance Thermometer (IPRT).

The temperature scale used was based on ITS-90.

Condition of this result of calibration

1. Reference standard Instrument:-

Instrument	Serial No.	Cert. No.	Traceable	Due Date
1) Data Acquisition	MY57013711	23LM115	TPA	11 Jul 2024

2. This certificate is valid only to the item calibrated on date and place of calibration.
3. This certification is traceable to the International System of Unit.

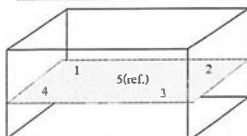
Remark : TPA : Technology Promotion Association (Thailand - Japan)

Result of Calibration :- (*) Without Adjustment

Function of UUC* : Temperature Source

Heat transfer medium used : Water

	Environmental		AC Voltage Supply
	(°C)	(%R.H.)	(Volt)
Beginning of Calibration	25	55	222
Finished of Calibration	25	57	223



Front

Position :	Ref. Std. ID No. :
1	4803988-001
2	4803988-002
3	4803988-003
4	4803988-004
5(ref.)	4803988-005



Equipment : Water Bath
Condition As-Received : Used Item
Reference : 2403-0563OC-4
Result of Calibration :- (*) Without Adjustment
Function of UUC* : Temperature Source

Cert. No.: 24TM635
Page : 3 of 3

Calibration point (°C)	UUC* Setting (°C)	UUC* Reading (°C)	Average* Standard Reading (°C)					Uncertainty (± °C)
			1	2	3	4	5 (ref.)	
85.0	85.0	85.0	84.428	84.424	84.469	84.507	84.477	0.18

Calibration point (°C)	Uniformity (°C)	Stability (± °C)	Coverage Factor k
85.0	0.19	0.11	2

Average* : The average of 30 values in each position.
Uniformity : The maximum difference of measured temperatures at any sensors and the measured temperature at the reference location which are observed at the same time or at as close an observation time as possible to determine the temperature pattern or homogeneity within the chamber under steady-state conditions.
Stability : One-half of the greatest maximum difference of measured temperature at any one probe.
UUC* : Unit Under Calibration

Note : The reported uncertainty of measurement was included stability and excluded uniformity.

The reported uncertainty of measurement was based on a standard uncertainty multiplied by a coverage factor k, providing a level of confidence of approximately 95 %.

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234-4 PATTANAKARN ROAD SOI 18, SUANLUANG, SUANLUANG BANGKOK 10250
TEL: 0-2711-3000-29 FAX: 0-2711-9488



Cert.No.: 23CH1088
Page.: 1 of 2

Certificate of Calibration

Equipment : Conductivity Meter
Manufacturer : Mettler Toledo
Model : S230
Serial No. : B241407147
ID No. : RYG_END0029
Condition As-Received: Used Item
Received Date : 01 September 2023
Calibration Date : 04 September 2023
Reference : Z309-0010DSC-7
Submitted by : ALS Laboratory Group (Thailand) Co.,Ltd, Rayong Branch
616/10 Moo 5, T.Maenam Khu,
A.Pluakdaeng, Rayong 21140, Thailand
Ambient Temperature : (25 ± 2.5) °C
Relative Humidity : (50 ± 15) %
Calibration Procedure: In-house method :
- CP-CH6 : based on direct measurement by
using certified reference material (CRM)
Calibrated by : Warakorn Lemgagrakul
Approved by : 
(✓) Sathip Meangmai
() Warakorn Lemgagrakul
() Ponpan Paipim
Issue Date : 7 September 2023

The Uncertainties are for a confidence probability of approximately 95%

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Approval of the head of Corporate Services & Equipment Calibration and Testing Services

A 0058059



Cert.No.: 23CH1088
Page.: 2 of 2

Condition of this result of calibration

1. Reference Standard Instrument :-
Instrument Serial No. ID No. Certificate No. Due date
1) Thermometer 9549224 130RC003 23H435 10 Apr 2024
- This Certification is traceable to SI Through Technology Promotion Association (Thailand - Japan)

2. Certified Reference Materials :-

- Conductivity calibration solution, CPA chem Ltd., The measurement results are traceable to SI
through CPA chem Ltd., ANSI-ASQ National Accreditation Board, Accredited No. AR-1835

Conductivity Solution	Manufacturer	Lot No.	Exp. date
84,000 µS/cm	CPA Chem	885120	28 Mar 2024
1413.0 µS/cm	CPA Chem	913596	14 July 2024
12,880 mS/cm	CPA Chem	885123	28 Mar 2024

- Control Conductivity calibration solution temperature by Water bath (25±0.1) °C

3. This certificate is valid only to the item calibrated on date and place of calibration.

Calibration results

Function : Conductivity Measurement

(*) After Adjustment at 1413.0 µS/cm

Conductivity Electrode Serial No.: 5823251000

Standard Conductivity Solution	Before Adjustment UUC* Reading	After Adjustment UUC* Reading	Uncertainty of Measurement (±)	Coverage factor k
84,000 µS/cm	83.8 µS/cm	85.3 µS/cm	0.62 µS/cm	2.00
1413.0 µS/cm	1388 µS/cm	1413 µS/cm	9.2 µS/cm	2.00
12,880 mS/cm	12.41 mS/cm	12.63 mS/cm	0.086 mS/cm	2.00

Remark - UUC* = Unit Under Calibration
- Cell constant = 0.545371 cm⁻¹

The reported uncertainty of measurement was based on a standard uncertainty multiplied by a coverage factor k, providing a level of confidence of approximately 95 %.

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Bara Scientific Co., Ltd.
918 U Chu Liang Building Floor 7 Rama4 Road
Siam Bangkok Bangkok Thailand 10500
Tel: 02-6324300 Fax: 02-6375436-7
www.barascientific.com



Certificate of Calibration

Certificate No. BSCC-UV-374/24
Equipment UVA/Vis Spectrophotometer
Model UV-1800
Manufacturer Shimadzu
Serial No. A11454908533 CD
ID No. BKK_END0018
Date of receipt 13 September 2024
Date of calibration 13 September 2024
Date of issue 13 SEP 2024
Customer name ALS Laboratory Group (Thailand) Co., Ltd
Address 104 Soi Phattanakarn 40, Phattanakarn Road, Phattanakarn, Suan Luang, Bangkok 10250
Temperature (25.3 - 26.7) °C (On site)
Humidity (50.4 - 55.9) %RH (On site)
Equipment condition Good Operation
Calibration Location Organic Preparation Lab
Calibration Procedure In-house method WI-UV-702-01 based on ASTM E275-01
Traceability Wavelength Accuracy is traceable to certificate No. 106372 and 106371
Photometric Accuracy is traceable to certificate No. 106364 and 111398
Stray Light is traceable to certificate No. 106377
This above certificate is traceable to SI unit through Bara Scientific Ltd.
(UKAS accredited calibration laboratory NO. 0659)
Calibrated by Mr. Wanchana Janloy

Approved by


Mr. Sonthai Teimboonrakdi
Service Manager

The above results are valid exclusively for the calibrated item(s) as mention in this report / certificate.
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Bara Scientific Co., Ltd.
918 U Chu Liang Building Floor 7 Rama4 Road
Siam Bangkok Bangkok Thailand 10500
Tel: 02-6324300 Fax: 02-6375436-7
www.barascientific.com



Certificate of Calibration

Certificate No. BSCC-UV-374/24
Number of Page(s) 2 of 3

Calibration Results:

1. Wavelength Accuracy

Certified Wavelength (nm)	UUC (nm)	Error (nm)	Uncertainty (±nm)
241.70	241.55	-0.15	0.18
334.02	333.85	-0.17	0.18
418.53	418.57	0.04	0.18
572.99	572.97	-0.02	0.18
879.41	879.17	-0.24	0.18

2. Photometric Accuracy (UV)

Wavelength (nm)	Certified Absorbance (A)	UUC (A)	Error (A)	Uncertainty (±A)
235	0.0000	0.0000	0.0000	0.0075
	0.7171	0.7169	-0.0002	0.0075
257	0.0000	0.0000	0.0000	0.0075
	0.6334	0.6345	0.0009	0.0075
313	0.0000	0.0000	0.0000	0.0075
	0.2786	0.2781	-0.0005	0.0075
350	0.0000	0.0000	0.0000	0.0075
	0.6199	0.6194	-0.0005	0.0075

*CNR = Customer not request

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Bara Scientific Co., Ltd. Rev 01 (23/01/23)

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ISO 9001:2015

ISO 17025:2017

Certificate of Calibration

Certificate No. BSCC-UV-374/24 Number of Page(s) 3 of 3

Calibration Results:

3. Photometric Accuracy (Visible)

Wavelength (nm)	Certified Absorbance (A)	UUC (A)	Error (A)	Uncertainty (±A)
420.0	0.0000	0.0000	0.0000	0.0042
	0.5761	0.5765	0.0004	0.0042
	0.7116	0.7105	-0.0014	0.0042
	1.0189	1.0174	-0.0015	0.0042
440.0	0.0000	0.0000	0.0000	0.0042
	0.5610	0.5613	0.0003	0.0042
	0.7001	0.6994	-0.0007	0.0042
	1.0026	1.0011	-0.0015	0.0042
465.0	0.0000	0.0000	0.0000	0.0042
	0.5235	0.5232	-0.0003	0.0042
	0.6614	0.6598	-0.0016	0.0042
	0.9456	0.9444	-0.0012	0.0042
546.1	0.0000	0.0000	0.0000	0.0042
	0.5249	0.5245	-0.0004	0.0042
	0.6975	0.6950	-0.0025	0.0042
	1.0009	0.9994	-0.0015	0.0042
590.0	0.0000	0.0000	0.0000	0.0042
	0.5590	0.5588	-0.0002	0.0042
	0.7725	0.7708	-0.0017	0.0042
	1.1125	1.1114	-0.0011	0.0042
635.0	0.0000	0.0000	0.0000	0.0042
	0.5666	0.5666	0.0000	0.0042
	0.7620	0.7604	-0.0016	0.0042
	1.0982	1.0971	-0.0011	0.0042

*C/NR = Customer not request

4. Stray Light

Standard cut-off wavelength (nm)	Wavelength (nm)	Transmission (%T)	Absorbance (A)
200.85±0.11nm	199.58	0.9520	2.0217

The Stray light transmission reference is less than 1.0%T and Stray light absorbance reference is greater than 2.00A

*Stray Light not NSC-ONSAC Accredited.

The measurement uncertainty is based on a standard uncertainty multiplied by a coverage factor k=2 providing a level of confidence of approximately 95%

End of Certificate

The above results are valid exclusively for the calibrated item(s) as mentioned in this report / certificate. Advertising the report / Certificate, and publicity of the results are prohibited and also shall not be reproduced except in full, without written approval of the Bara Scientific Co., Ltd.

FORM-UV-02 Rev 01 (23/5/23)

TECHNOLOGY PROMOTION ASSOCIATION (THAILAND-JAPAN) CORPORATE SERVICES 3: EQUIPMENT CALIBRATION AND TESTING SERVICES 534/4 PATTANAKARN ROAD SOI 18, SUANLUANG, SUANLUANG BANGKOK 10250 TEL 0-2717-3000-29 FAX 0-2719-9484

ilac-MRA

NSC-135-131-1725 CALIBRATION 6000

Certificate of Calibration

Cert.No.: 24CG952 Page.: 1 of 2

Equipment : Burette

Capacity : 50 mL

Serial No. :

ID. No. : BKK_EN0171

Manufacturer : Witeg

Made in : Germany

Submitted by : ALS Laboratory Group (Thailand) Co.,Ltd, 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand


Ambient Temperature : (20 ± 2.5) °C

Relative Humidity : (50 ± 10) %

Barometric Pressure : 760 mmHg

Calibration Procedure : ASTM E 542 - 01

Calibrated by : Natcha Chayyingcheiw

Approved by :  Approved Signatory

() Unnopphol Harachai

(✓) Srisuda Khamtha

() Sa-ngeunkam Wongsat

Issue Date : 27 February 2024

The Uncertainties are for a confidence probability of approximately 95%

This certificate may not be reproduced other than in full, except with the prior written approval of the head of Corporate Services 3 : Equipment Calibration and Testing Services.

Agilent Technologies

Agilent Technologies (Thailand) Limited 6 CHULANONG ROAD 22/F UNIT A-6 968 RAMA 4 ROAD SIAM BANGKOK WANGKHAO 10330 THAILAND

Agilent Technologies

Equipment : Burette

Received Date : 23 February 2024

Condition As-Received : New Item

Calibration Date : 27 February 2024

Reference : 2402-0757DSC-1

Cert.No.: 24CG952 Page.: 2 of 2

Condition of this result of calibration

1. Reference Standard Instruments :

Instruments	Model	Serial No.	ID. No.	Certificate No.	Traceability	Due date
1) Balance	XP205DR	1126143784	140RC004	23MM538	TPA	15 Sep 2024
2) Thermo-Hygrograph	THDX-CE	00016540	140EC001	23H1275	TPA	09 June 2024
3) Thermometer	-	0834181	140EC005	231948	TPA	10 Aug 2024

This certification is traceable to SI Unit

2. The certificate is valid only to the item calibrated on date and place of calibration.

3. True value is converted to true volume at the standard temperature of 20 °C

Calibration result :

Nominal capacity (mL)	Reading (mL)	Uncertainty (± mL)	k Factor
50	50.0032	0.010	2.00

Remark mL = cm³

The reported uncertainty of measurement was based on a standard uncertainty multiplied by a coverage factor k, providing a level of confidence of approximately 95 %.

-000-

Agilent Technologies (Thailand) Limited 6 CHULANONG ROAD 22/F UNIT A-6 968 RAMA 4 ROAD SIAM BANGKOK WANGKHAO 10330 THAILAND

Agilent Technologies

Customer Contact: ALS Laboratory Group (Thailand) Co., Ltd. Head Office: 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand. TAX ID : 0105540004859. Chanatagarn.lmchom@alsglobal.com 2760364

Invoice To: ALS Laboratory Group (Thailand) Co., Ltd. Head Office: 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand.

Delivery Site: ALS Laboratory Group (Thailand) Co., Ltd. Head Office: 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand.

Location: Room: Bldg: Lab: Dept:

Direct Inquiries to: Contact Name: Customer Contact Center Contact Email: ccc.sm@agilent.com Contact Telephone: +662 637 6363 Contact Fax: +662 632 4334

Service Report



Customer Purchase Order Number: 70371013

Customer Number: 70371013

Service Request: Service Request Date:

Service Order: 6056947203

Service Confirmation: 8865338201

REVIEW BY:  APPROVED BY:  NEXT CAL DATE: 12/06/2025

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Agilent Technology (Thailand) Limited Head Office 6 Chulalongkorn Road 22/F Unit A-6 968 Rama 4 Road, Siam, Bangkok, Bangkok 10330 Thailand Tel: 0-2717-3000-29

CRITICAL

355 Interchange 21 Building, Sukhumvit Road, Klongtoey New Sub District Watana Center, Bangkok 10110 Thailand Ave. No. 012 1452 007 Tel: 02-261 1452 007 Siam Square B-115/112 Rama 1 Rd, Pathumwan, Bangkok 10330 Thailand

Page 1 of 3

Service Instrument



Model Number	Model Description	Serial Number	System Handle	Parent Asset
SYS-IM-7700-E	ICPMS 7700 System Enhanced		ICP MS 7700 (HPLC)	
G1316A	1260 Thermostatted Column Compartment	DEACN12300	ICP MS 7700 (HPLC)	SYS-IM-7700-E
G1329B	1260 Standard Autosampler	DEAAC11038	ICP MS 7700 (HPLC)	SYS-IM-7700-E
G1311B	1260 Quaternary Pump	DEAB70438C	ICP MS 7700 (HPLC)	SYS-IM-7700-E
G3281A	Agilent 7700x ICP-MS	JP12091612	ICP MS 7700 (HPLC)	SYS-IM-7700-E

Service Items:

Item	Service/Part #	Description	Qty	Entitlement	Service Start	Service End
1000	EOQ	Enterprise Operational Qualification	1.00	Agreement Entitlement 100 % covered	12.12.2023	12.12.2023
1010	5185-5950	ICP-MS Checkout Solutions	1.00	Agreement Entitlement 100 % covered		

Additional Information:

Service Information:

Problem Description: WU-QG-IM/HPLC-7700-5201143313		
Service Provided: Perform OG Hardware control test CSO Ilogon, Autosample, ISIS, Auto tune, BG and Stability. After done the instrument B-KK_EL0026 calibrated pass all.		
Service Overview Code: Reason Code: Scheduled Service Diagnosis Code: Scheduled Service Resolution Code: Scheduled Service		
Reported Hours: 6.0	Travel Hours: 1.0	
Customer Field Service Representative Name: Panthep Kuresathala	Customer Field Service Representative Signature: 	Date: 12 Dec 2023
Customer Name: Supakwan Mak	Customer Signature: 	Date: 12 Dec 2023
Additional Comments:		



Metrological Center

SCI ECO Services Company Limited

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Website : www.scieco.co.th E-Mail : calibrate@scg.co.th



Metrological Center


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Website : www.scieco.co.th E-Mail : calibrate@scg.co.th

Certificate No. T231676

Page 1 of 6

Certificate of Calibration

Equipment : HEATING BLOCK
Manufacturer : Environmental Express
Model : SC 196
Serial No. : 6974CECW3285
Customer Code : BKK_EL0054
ID No. : T5306A3
Customer : ALS Laboratory Group (Thailand) Co.,Ltd.
104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan,
Khet Suan Luang, Bangkok 10250
Customer Location : Acid Digestion Lab
Date of Receipt : 13 September 2023
Calibrated By : Sanej Musikawan (Site Calibration Manager)
Approved By :  / Sujjar Naknakred (Site Calibration Manager)
Date of Issue : 26 SEP 2023

The uncertainties are for a confidence probability of approximately 95%.

This Certificate is Issued in accordance with the conditions of accreditation granted by the Thai Laboratory Accreditation Scheme which has assessed the measurement capability of the laboratory and its traceability to recognized national standards and to the units of measurement realized at the corresponding national standard laboratory. This certificate may not be reproduced other than in full except with the prior written approval of the Metrological Center.

Certificate No. T231676

Page 2 of 6

Calibration Report

Equipment : HEATING BLOCK
Date of Calibration : 22 September 2023
Environment : Temperature : 21.8-23.1 °C
Line Voltage : 221.6-226.3 V
Relative Humidity : 55 - 65 %RH

Condition of this results of calibration :

- This equipment was calibrated by insert 20 standard thermocouples type T into its chamber , the other one standard thermocouples type T use for ambient temperature measurement . The calibration was done in according to WI-T20.
All data show below were final values and the initial data from customer request . The temperature scale used was based on ITS - 90 .
- Reference Standard Instrument :

Instrument	Model	Instrument No.	Certificate No.	Due Date
TC	TYPE T	TN21-TN30	T230014	17 January 2024
TC	TYPE T	TN31-TN40	T230014	17 January 2024
DATA LOGGER	J4970A	T151	T230014	17 January 2024
- This certificate is traceable to :
National Institute of Metrology (Thailand) through Metrological Center (NSC-TIS-TIS 17025 CALIBRATION 0244.)
- Condition of calibrated item : good
Equipment Description :
Time Constant 2 Hour 20 Minute At 95 °C
Fresh Air Damper ☐ Open ☐ Min ☐ Medium ☐ Max
☐ Close
☒ Not Available
- Adjustment :
() without adjustment (X) after adjustment

Approved By: 



Metrological Center

SCI ECO Services Company Limited

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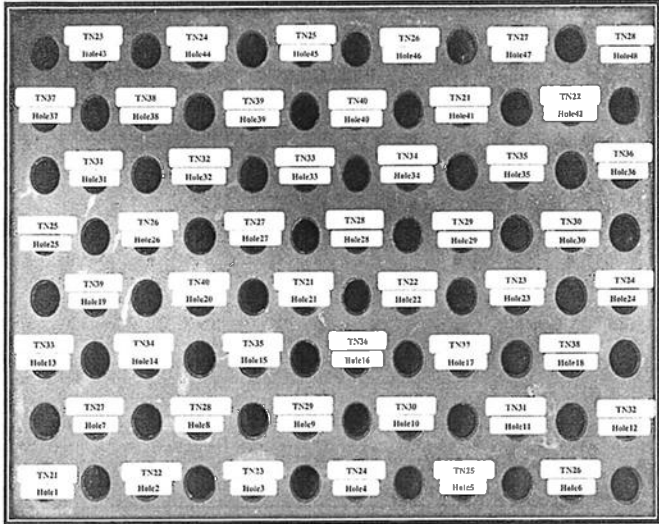
Telephone : +66 2 586 5792-4 Fax : +66 2 586 5109

Website : www.scieco.co.th E-Mail : calibrate@scg.co.th

Certificate No. T231676

Page 3 of 6

Calibration Report



FRONT CONTROL

Approved By. _____

FM-L13 108/30-05-57



Metrological Center

SCI ECO Services Company Limited

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Certificate No T231676

Page 5 of 6

Calibration Report

Measurement Results						
Calibration Point		Average Standard Reading at each position (°C)				
R1 Hole1-Hole6		TN21	TN22	TN23	TN24	TN25
CAL POINT	Max	105.23	104.32	105.43	105.25	104.44
	Min	104.94	103.95	105.15	105.04	104.11
	Average	105.09	104.13	105.29	105.15	104.28
R2 Hole7-Hole12		TN27	TN28	TN29	TN30	TN31
CAL POINT	Max	105.30	105.12	105.18	105.22	105.12
	Min	105.11	104.92	104.96	105.00	104.92
	Average	105.20	105.02	105.07	105.11	105.02
R3 Hole13-Hole18		TN33	TN34	TN35	TN36	TN37
CAL POINT	Max	105.37	105.63	105.02	104.80	104.69
	Min	105.17	105.37	104.75	104.59	104.50
	Average	105.27	105.50	104.88	104.69	104.60
R4 Hole19-Hole24		TN39	TN40	TN21	TN22	TN23
CAL POINT	Max	105.31	104.43	106.41	104.71	105.63
	Min	105.08	104.22	106.15	104.41	105.37
	Average	105.19	104.33	106.28	104.56	105.50
R5 Hole25-Hole30		TN25	TN26	TN27	TN28	TN29
CAL POINT	Max	104.95	106.26	103.34	105.78	105.59
	Min	104.67	105.96	103.08	105.56	105.68
	Average	104.81	106.11	103.21	105.67	105.63
R6 Hole31-Hole36		TN31	TN32	TN33	TN34	TN35
CAL POINT	Max	104.75	104.86	104.80	105.20	104.39
	Min	104.54	104.63	104.59	105.00	104.32
	Average	104.65	104.75	104.69	105.10	104.35
R7 Hole37-Hole42		TN37	TN38	TN39	TN40	TN21
CAL POINT	Max	104.30	104.90	104.85	104.65	104.88
	Min	104.09	104.72	104.66	104.49	104.63
	Average	104.19	104.81	104.75	104.57	104.76
R8 Hole43-Hole48		TN23	TN24	TN25	TN26	TN27
CAL POINT	Max	105.71	105.85	105.39	105.61	105.42
	Min	105.45	105.61	105.14	105.27	105.18
	Average	105.58	105.73	105.27	105.44	105.30

Approved By. _____

FM-L13 108/30-05-57



Metrological Center

SCI ECO Services Company Limited

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Certificate No T231676

Page 4 of 6

Calibration Report

Measurement Results						
Calibration Point		Average Standard Reading at each position (°C)				
R1 Hole1-Hole6		TN21	TN22	TN23	TN24	TN25
CAL POINT	Max	95.01	94.41	95.20	95.41	94.51
	Min	94.57	93.95	94.75	94.92	94.00
	Average	94.79	94.18	94.98	95.17	94.26
R2 Hole7-Hole12		TN27	TN28	TN29	TN30	TN31
CAL POINT	Max	95.36	95.43	95.19	95.16	95.35
	Min	94.94	94.95	94.72	94.71	94.90
	Average	95.15	95.19	94.96	94.94	95.13
R3 Hole13-Hole18		TN33	TN34	TN35	TN36	TN37
CAL POINT	Max	95.37	95.50	95.22	95.21	95.33
	Min	94.99	95.09	94.78	94.82	94.88
	Average	95.18	95.30	95.00	95.02	95.11
R4 Hole19-Hole24		TN39	TN40	TN21	TN22	TN23
CAL POINT	Max	95.59	94.42	94.52	94.24	94.63
	Min	95.21	94.06	94.13	93.88	94.28
	Average	95.40	94.24	94.33	94.06	94.45
R5 Hole25-Hole30		TN25	TN26	TN27	TN28	TN29
CAL POINT	Max	95.19	95.38	92.93	95.30	95.14
	Min	94.83	95.03	92.56	94.95	94.79
	Average	95.01	95.20	92.75	95.12	94.96
R6 Hole31-Hole36		TN31	TN32	TN33	TN34	TN35
CAL POINT	Max	94.63	94.90	94.77	94.31	94.24
	Min	94.24	94.55	94.44	93.98	93.92
	Average	94.43	94.72	94.60	94.14	94.08
R7 Hole37-Hole42		TN37	TN38	TN39	TN40	TN21
CAL POINT	Max	94.30	94.44	94.04	93.81	94.89
	Min	93.95	94.05	93.67	93.48	94.39
	Average	94.13	94.24	93.86	93.65	94.64
R8 Hole43-Hole48		TN23	TN24	TN25	TN26	TN27
CAL POINT	Max	95.99	95.63	95.28	95.29	95.45
	Min	95.57	95.15	94.82	94.84	94.99
	Average	95.78	95.39	95.05	95.07	95.22

Approved By. _____

FM-L13 108/30-05-57



Metrological Center

SCI ECO Services Company Limited

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Certificate No. T231676

Page 6 of 6

Calibration Report

Measurement Results:

HEATING BLOCK		Temperature Distribution	
Setting (°C)	Reading (°C)		Stability (± °C)
	Min , Max	Average	
100.0	100.3 , 100.5	100.4	0.26
107.0	107.0 , 107.1	107.1	0.19

* The quoted uncertainty exclude " uniformity "

The calibration result apply only the above calibrated item

The result of test was found accurate as shown on date and place of test only.

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor k which for a t-distribution, providing a level of confidence of approximately 95 %.

Approved By. _____

FM-L13 108/30-05-57



Metrology

SCI ECO Services Company Limited
33/2 Moo 3, T.Banpa, A.Kaengkhoh, Saraburi 18110, Thailand.
Saraburi Tel : +66 3627 3096 Fax : +66 3627 3100
Bangkok Tel : +668 9205 6851, +669 8247 2360
Website : www.scieco.co.th E-Mail : calibrate@scg.com

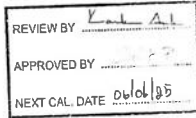


Certificate No. T232160

Page 1 of 4

Certificate of Calibration

Equipment : Chamber (Cooling Room)
Manufacturer : KOLDTECH
Model : KM 320
Serial No. : TBN-1012061/05
Customer Code : BKK_EN0167
ID No. : T2463A3
Customer : ALS Laboratory Group (Thailand) Co.,Ltd.
104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan,
Khet Suan Luang, Bangkok 10250
Customer Location : Laboratory
Date of Receipt : 29 November 2023
Calibrated By : Atiphong Rongrat (Technician)
Approved By : Boonchai Suriyawong (Site Calibration Manager)
Date of Issue : 09 JAN 2024



The uncertainties are for a confidence probability of approximately 95%.

This Certificate is issued in accordance with the conditions of accreditation granted by the Thai Laboratory Accreditation Scheme which has assessed the measurement capability of the laboratory and its traceability to recognized national standards and to the units of measurement realized at the corresponding national standard laboratory. This certificate may not be reproduced other than in full except with the prior written approval of the Metrology.

FM-L14 119/18-08-66



Metrology

SCI ECO Services Company Limited
33/2 Moo 3, T.Banpa, A.Kaengkhoh, Saraburi 18110, Thailand.



Certificate No. T232160

Page 2 of 4

Calibration Report

Equipment : Chamber (Cooling Room)
Date of Calibration : 6 December 2023
Environment : Temperature : 23.4-24.9 °C
Line Voltage : 221.4-230.2 V
Relative Humidity : 55 - 65 %RH

Condition of this results of calibration :

1. This equipment was calibrated by insert 16 standard thermocouples type T into its chamber, the other one standard thermocouples type T use for ambient temperature measurement. The calibration was done in according to WI-T29 (based on ASTM E145-94 (Reapproved 2001) and AS2853-1986).

All data show below were final values and the initial data from customer request. The temperature scale used was based on ITS - 90.

2. Reference Standard Instrument :

Instrument	Model	Instrument No.	Certificate No.	Due Date
TC	TYPE T	TN161-TN170	T230773	10 April 2024
TC	TYPE T	TN171-TN180	T230773	10 April 2024
DATA LOGGER	34970A	T149	T230773	10 April 2024

3. This certificate is traceable to :

National Institute of Metrology (Thailand) through Metrological Center (NSC-TISI-TIS 17025 CALIBRATION 0244).

4. Condition of calibrated item : good

Equipment Description :

Time Constant	1 Hour	30 Minute	At 3 °C
Fresh Air Damper	<input type="checkbox"/> Open	<input type="checkbox"/> Min	<input type="checkbox"/> Medium <input type="checkbox"/> Max
	<input type="checkbox"/> Close		
	<input checked="" type="checkbox"/> Not Available		

5. Adjustment :

(X) without adjustment () after adjustment

Approved By: Boonchai Suriyawong

FM-L15 119/18-08-66



Metrology

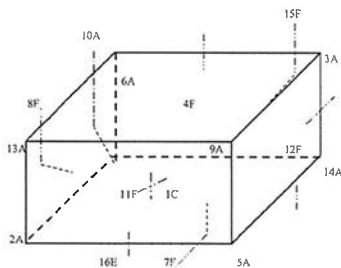
SCI ECO Services Company Limited
33/2 Moo 3, T.Banpa, A.Kaengkhoh, Saraburi 18110, Thailand.



Certificate No. T232160

Page 3 of 4

Calibration Report



C = Centre, F = Centre of Face, A = Corner, E = Centre of Edge

1C = TN161	12F = TN172
2A = TN162	13A = TN173
3A = TN163	14A = TN174
4F = TN164	15F = TN175
5A = TN165	16F = TN176
6A = TN166	
7F = TN167	
8F = TN168	
9A = TN169	
10A = TN170	
11F = TN171	

Approved By: Boonchai Suriyawong

FM-L15 119/18-08-66



Metrology

SCI ECO Services Company Limited
33/2 Moo 3, T.Banpa, A.Kaengkhoh, Saraburi 18110, Thailand.



Certificate No. T232160

Page 4 of 4

Calibration Report

Measurement Results

Calibration Point	Average Standard Reading at each position (°C)											
	TN161	TN162	TN163	TN164	TN165	TN166	TN167	TN168	TN169	TN170	TN171	TN172
3.0	2.83	3.34	2.95	3.46	3.45	3.76	3.25	3.46	3.39	3.50	3.58	3.42
	TN173	TN174	TN175	TN176								
	3.33	3.39	3.15	3.43								

Chamber (Cooling Room)			Temperature Distribution				
Setting (°C)	Reading (°C)		Average (°C)	Stability (± °C)	Uniformity (°C)	Uncertainty (± °C)	Coverage Factor k
	Min	Max					
3.0	2.8, 4.1	3.5	3.16	1.10	2.00	1.90	2.09

The calibration result apply only the above calibrated item.

The result of test was found accurate as shown on date and place of test only.

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor k which for a t-distribution, providing a level of confidence of approximately 95 %.

Approved By: Boonchai Suriyawong

FM-L15 119/18-08-66



Performance Verification Certificate for Mercury Analyzer

PRODUCT ID Quicktrace M-8000 , Teledyne Lecman Labs
Equipment ID BKK_EL0128 Mercury Analyzer
 S/N: US22133002
 BKK_EL0129 Autosampler
 S/N: 052222A560
Customer Name ALS Laboratory Group (Thailand) Co., Ltd.
Address 104 Soi Pattana 40, Pattana Rd, Suan Luang, Suan Luang
 Bangkok 10250 Thailand

Date of Qualified December 6, 2023
Next Due date December 6, 2024

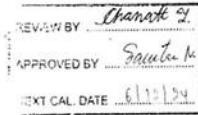
This certifies for products which was performed in acceptable criteria specifications

Autosampler & Sample Introduction	PASSED
Analyzer	PASSED
Gas Liquid Separator & Dryer	PASSED
CVAFS Detector	PASSED
Electronics/Mechanical	PASSED
Data station/PC	PASSED
Analytical test	PASSED

Provided by

Scientist Instrument Co., Ltd.
 113 Soi Ekachai 44, Ekachai Road
 Khilong Bang Phran, Bangbon
 Bangkok 10150 Thailand

Certified by
 Thunraphol Sakdayos
 Service Engineer



Certificate of Calibration

ICS-2100: Anion (ID#659)

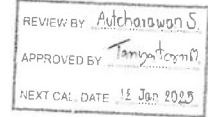
This certificate is to verify that instrument below are calibrated
 by Archemica Lab Co., Ltd.

ICS-2100 S/N: 15010977
 AS-HV S/N: 5450A36659

For

ALS Laboratory Group (Thailand) Co., Ltd.

Operator Signature:
 (Mr. Nutdanai Laekhwan)
 Application Chemist



TECHNOLOGY PROMOTION ASSOCIATION (THAILAND-JAPAN)
 CORPORATE SERVICES & EQUIPMENT CALIBRATION AND TESTING SERVICES
 334/4 PATTANAKARN ROAD SOI 13, SUANLUANG, SUANLUANG BANGKOK 10250
 TEL: 02-917-5500-29 FAX: 02-9150-9494



Cert. No.: 23TM1408
 Page: 1 of 4

Certificate of Calibration

Equipment : Autoclave

Manufacturer : TOMY

Model : SX-700

Serial No. : 48134190

ID No. : BKK_ML0041

Submitted by : ALS Laboratory Group (Thailand) Co., Ltd.
 104 Phalthanakan 40, Phalthanakan Rd.,
 Khwaeng Phalthanakan, Khet Suan Luang,
 Bangkok 10250 Thailand

Location : Media Preparation Room

Received Order : 03 October 2023

Calibration Date : 04 October 2023

Ambient Temperature : (26 ± 10) °C

Relative Humidity : (50 ± 30) %

Calibrated by : Khit Rutlanaprapachai

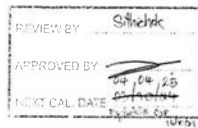
Approved by :

() Pornthippa Tarneyakul
 (✓) Ponpan Paipim
 () Suwit Imjai

Issue Date : 11 October 2023

The Uncertainties are for a confidence probability of approximately 95%

This certificate may not be reproduced other than in full, except with the prior written
 Approval of the local Corporate Services & Equipment Calibration and Testing Services



Equipment : Autoclave
Condition As-Received : Used Item
Reference : 2310-0006OC-6
Procedure Used :-

Cert. No.: 23TM1408
 Page: 2 of 4

Calibration were conducted using in-house calibration procedure CP-OT03 according to direct measurement method with Data Acquisition which connected with Thermocouple Type T

The temperature scale used was based on ITS-90.

Condition of this result of calibration

1. Reference standard instrument:-

Instrument	Serial No.	Cert. No.	Traceable	Due Date
1) Data Acquisition	MY57013823	23LM66	TPA	25 Mar 2024

2. This certificate is valid only to the item calibrated on date and place of calibration.

3. This certification is traceable to the International System of Unit.

4. This result of calibration covers laboratory autoclaves for the sterilization of goods and material which could be infected with organisms categorized as Hazard Group 1, 2 and 3**

(** = Categorization of pathogens according to hazard and categories of containment, second edition, 1990)

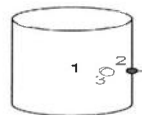
It does not cover autoclaves for use with material infect with organisms in Hazard Group 4, for which complete containment and sterilization of infectious condensate is considered to be essential.

This result of calibration does not apply to sterilizers or disinfectors used for medical, dental, pharmaceutical or veterinary purposes which are directly concerned with patient care, or those used for fabrics subjected to sterilization which are required to be dry at the end of cycle.

Remark : TPA : Technology Promotion Association (Thailand - Japan)

Result of Calibration :- (*) Without Adjustment

Function of UUC* : Temperature Source



	Environmental		
	(°C)	(%R.H.)	(Volt)
Beginning of Calibration	26	64	221
Finished of Calibration	27	67	222

Position	Description	Ref. Std. ID No.:
1 =	Center of chamber	19-17TC-08
2 =	Temperature sensor	19-17TC-09
3 =	Exhaust port	19-17TC-10



Equipment : Autoclave
Condition As-Received : Used Item
Reference : 2310-0008OC-6
Result of Calibration : (*) Without Adjustment
Function of UUC* : Temperature Source

Cert. No.: 23TM1408
Page : 3 of 4

Operating parameter Set : Temperature = 108 °C Sterilization period = 10 minute							
UUC* Setting (°C)	UUC* Reading (°C)	Position	Average* Standard Reading (°C)	Stability (± °C)	Pressure Reading (MPa)	Uncertainty (± °C)	Coverage Factor k
108	108	1	108.352	0.12	0.04	0.90	2
		2	108.263				
		3	108.140				

Operating parameter Set : Temperature = 115 °C Sterilization period = 20 minute							
UUC* Setting (°C)	UUC* Reading (°C)	Position	Average* Standard Reading (°C)	Stability (± °C)	Pressure Reading (MPa)	Uncertainty (± °C)	Coverage Factor k
115	115	1	115.376	0.13	0.06	0.90	2
		2	115.297				
		3	115.157				

Operating parameter Set : Temperature = 118 °C Sterilization period = 10 minute							
UUC* Setting (°C)	UUC* Reading (°C)	Position	Average* Standard Reading (°C)	Stability (± °C)	Pressure Reading (MPa)	Uncertainty (± °C)	Coverage Factor k
118	118	1	118.083	0.11	0.09	0.90	2
		2	118.037				
		3	117.954				

Average* : The average of 30 values in each position.
Stability : One-half of the greatest maximum difference of measured temperature at any one probe.
UUC* : Unit Under Calibration
Note : The reported uncertainty of measurement was included stability and excluded uniformly .

1184532



Equipment : Autoclave
Condition As-Received : Used Item
Reference : 2310-0008OC-6
Result of Calibration : (*) Without Adjustment
Function of UUC* : Temperature Source

Cert. No.: 23TM1408
Page : 4 of 4

Operating parameter Set : Temperature = 121 °C Sterilization period = 30 minute							
UUC* Setting (°C)	UUC* Reading (°C)	Position	Average* Standard Reading (°C)	Stability (± °C)	Pressure Reading (MPa)	Uncertainty (± °C)	Coverage Factor k
121	121	1	121.166	0.17	0.11	0.91	2
		2	121.082				
		3	120.980				

Average* : The average of 30 values in each position.
Stability : One-half of the greatest maximum difference of measured temperature at any one probe.
UUC* : Unit Under Calibration
Note : The reported uncertainty of measurement was excluded stability.

The reported uncertainty of measurement was based on a standard uncertainty multiplied by a coverage factor k, providing a level of confidence of approximately 95 %.

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TECHNOLOGY PROMOTION ASSOCIATION (THAILAND-JAPAN)
CORPORATE SERVICES & EQUIPMENT CALIBRATION AND TESTING SERVICES
534/4 PATTANAKARN ROAD SOI 19, SUAN LUANG, SUAN LUANG DISTRICT, BANGKOK 10250
TEL. 0-2717-3000-25 FAX. 0-2719-0061



Cert. No.: 23TM1146
Page : 1 of 3

Certificate of Calibration

Equipment : Incubator

Manufacturer : SHEL-LAB

Model : 1915A

Serial No. : 0200599

ID No. : BKK_ML0010

Submitted by : ALS Laboratory Group (Thailand) Co., Ltd.
104 Phatthanakan 40, Phatthanakan Rd.,
Khwaeng Phatthanakan, Khai Suan Luang,
Bangkok 10250 Thailand

Location : Incubation & Micrological Reading

Received Order : 17 July 2023

Calibration Date : 17 July 2023

Ambient Temperature : (26 ± 10) °C

Relative Humidity : (50 ± 30) %

Calibrated by : Man Pattanapongpaiboon

Approved by :
Approved Signatory

() Pomsitthipha Tameyakul
(/) Malee Butkruea
() Suwit Imjai

Issue Date : 24 July 2023

The Uncertainties are for a confidence probability of approximately 95%.

This certificate can be reproduced under the condition of the present writing.
Approval of the head of the organization : Equipment Calibration and Testing Services



Equipment : Incubator
Condition As-Received : Used Item
Reference : 2307-0285OC-1

Cert. No.: 23TM1146
Page : 2 of 3

Procedure Used : Calibration were conducted using calibration procedure CP-OT02 according to direct measurement method with Data Acquisition which connected with Resistance Temperature Detector (RTD).
The temperature scale used was based on ITS-90.

Condition of this result of calibration

- Reference standard instrument:-

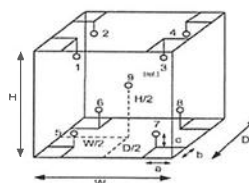
Instrument	Serial No.	Cert. No.	Traceable	Due Date
1) Data Acquisition	MY49001451	23LM27	TPA	25 Feb 2024
- This certificate is valid only to the item calibrated on date and place of calibration.
- This certification is traceable to the International System of Unit.

Remark : TPA : Technology Promotion Association (Thailand - Japan)

Result of Calibration : (*) Without Adjustment

Function of UUC* : Temperature Source

Fresh air setting : Close



Probe Installation Details :

a = 10 cm
b = 10 cm
c = 10 cm

Dimension of Chamber :

D = 0.50 m
W = 0.75 m
H = 1.2 m
Capacity = 0.45 m³

Environment during calibration		
	Beginning	Finished
Temp (°C)	24	24
REL Humid (%)	54	56
AC Supply (Volt)	221	223

Position :	Ref. Std. ID No.:
1	19RTD-2/1
2	19RTD-2/2
3	19RTD-2/3
4	19RTD-2/4
5	19RTD-2/5
6	19RTD-2/6
7	19RTD-2/7
8	19RTD-2/8
9 (ref.)	19RTD-2/9

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Equipment : Incubator
Condition As-Received : Used Item
Reference : 2307-02850C-1
Result of Calibration :- (*) Without Adjustment
Function of UUC* : Temperature Source
Fresh air setting : Close

Cert. No.: 23TM1146
Page : 3 of 3

Calibration Point (°C)	UUC* Setting (°C)	UUC* Reading (°C)	Temperature stability (± °C)	Temperature uniformity (°C)	Overall Variation (°C)	Coverage Factor k
35.0	35.0	35.0	0.055	0.30	0.44	2

Calibration Point (°C)	Measured Temperature (°C)									Uncertainty (±°C)
	1	2	3	4	5	6	7	8	9 (ref.)	
35.0	34.888	34.933	34.815	34.613	35.064	35.019	35.156	35.141	35.067	0.30

Average* : The average of 30 values in each position.
Temperature stability : One-half of the greatest maximum difference of measured temperature at any one sensor.
Temperature uniformity : The maximum difference of measured temperatures at any sensors and the measured temperature at the reference location which are observed at the same time or at as close an observation time as possible to determine the temperature pattern or homogeneity within the chamber under steady-state conditions.
Overall Variation : The Difference of the maximum and minimum measured temperatures throughout observation.
UUC* : Unit Under Calibration
Note : The reported uncertainty of measurement was included stability and excluded uniformity .

The reported uncertainty of measurement was based on a standard uncertainty multiplied by a coverage factor k, providing a level of confidence of approximately 95 %.

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TECHNOLOGY PROMOTION ASSOCIATION (THAILAND-JAPAN)
CORPORATE SERVICES 3: EQUIPMENT CALIBRATION AND TESTING SERVICES
534/4 PATTANAKARN ROAD SOI 18, SUANLUANG, SUANLUANG BANGKOK 10250
TEL:0-2717-3000-29 FAX:0-2719-9484



Certificate of Calibration

Cert. No.: 24TM667
Page : 1 of 3

Equipment : Hot Air Oven
Manufacturer : Binder
Model : ED 240/E2
Serial No. : 00-15533
ID No. : BKK_ML0013

Submitted by : ALS Laboratory Group (Thailand) Co.,Ltd.
104 Phatthanakan 40, Phatthanakan Rd.,
Khwaeng Phatthanakan, Khet Suan Luang,
Bangkok 10250 Thailand

Location : Media Preparation Room

Received Order : 23 April 2024
Calibration Date : 23 April 2024
Ambient Temperature : (26 ± 10) °C
Relative Humidity : (50 ± 30) %

Calibrated by : Tawatchai Pama

Approved by :

() Ponpan Palpim
(✓) Suwit Imjai
() Kunchit Promprat

Issue Date : 26 April 2024

The Uncertainties are for a confidence probability of approximately 95%

This certificate may not be reproduced either in full, except with the prior written approval of the head of Corporate Services 3: Equipment Calibration and Testing Services.



Equipment : Hot Air Oven
Condition As-Received : Used Item
Reference : 2404-04390C-8
Procedure Used :-

Cert. No.: 24TM667
Page : 2 of 3

Calibration was conducted using calibration procedure CP-OT02 based on TLAS G-20 according to direct measurement method with Data Acquisition which connected with Thermocouple Type T.

The temperature scale used was based on ITS-90.

Condition of this result of calibration

1. Reference standard instrument:-

Instrument	Serial No.	Cert. No.	Traceable	Due Date
1) Data Acquisition	MY49001451	24LM44	TPA	17 Mar 2025

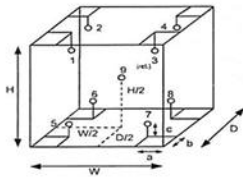
2. This certificate is valid only to the item calibrated on date and place of calibration.

3. This certification is traceable to the International System of Unit.

Remark : TPA : Technology Promotion Association (Thailand - Japan)

Result of Calibration :-

Function of UUC* : (*) Without Adjustment
Temperature Source
Fresh air setting : Close



Probe Installation Details :
a = 10 cm
b = 10 cm
c = 10 cm
Dimension of Chamber :
D = 0.50 m
W = 0.80 m
H = 0.60 m
Capacity = 0.24 m³

Environment during calibration		
	Beginning	Finished
Temp. (°C)	24	23
REL.Humid. (%)	65	65
AC Supply (Volt)	223	222

Position :	Ref. Std. ID No.:
1	24-19TC-01
2	24-19TC-02
3	24-19TC-03
4	24-19TC-04
5	24-19TC-05
6	24-19TC-06
7	24-19TC-07
8	24-19TC-08
9 (ref.)	24-19TC-09



Equipment : Hot Air Oven
Condition As-Received : Used Item
Reference : 2404-04390C-8
Result of Calibration :- (*) Without Adjustment
Function of UUC* : Temperature Source
Fresh air setting : Close

Cert. No.: 24TM667
Page : 3 of 3

Calibration Point (°C)	UUC* Setting (°C)	UUC* Reading (°C)	Temperature stability (± °C)	Temperature uniformity (°C)	Overall Variation (°C)	Coverage Factor k
180	180	180	0.64	2.7	3.7	2

Calibration Point (°C)	Measured Temperature (°C)									Uncertainty (±°C)
	1	2	3	4	5	6	7	8	9 (ref.)	
180	181.009	181.511	180.922	181.359	181.217	183.559	181.564	181.986	181.474	1.5

Average* : The average of 30 values in each position.

Temperature stability : One-half of the greatest maximum difference of measured temperature at any one sensor.

Temperature uniformity : The maximum difference of measured temperatures at any sensors and the measured temperature at the reference location which are observed at the same time or at as close an observation time as possible to determine the temperature pattern or homogeneity within the chamber under steady-state conditions.

Overall Variation : The Difference of the maximum and minimum measured temperatures throughout observation.

UUC* : Unit Under Calibration

Note : The reported uncertainty of measurement was included stability and excluded uniformity .

The reported uncertainty of measurement was based on a standard uncertainty multiplied by a coverage factor k, providing a level of confidence of approximately 95 %.

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TECHNOLOGY PROMOTION ASSOCIATION (THAILAND-JAPAN)
CORPORATE SERVICES 3: EQUIPMENT CALIBRATION AND TESTING SERVICES
53/44 PATTANAKARN ROAD SOI 18, SUANLUANG, SUANLUANG BANGKOK 10250
TEL.0-2717-3003-29 FAX.0-2719-9484



Certificate of Calibration

Cert. No.: 24TM469
Page : 1 of 3

Equipment : Water Bath
Manufacturer : Memmert
Model : WNE 45
Serial No. : L712.0429
ID No. : BKK_ML0056

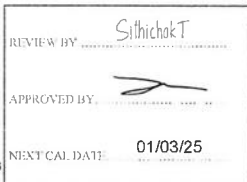
Submitted by : ALS Laboratory Group (Thailand) Co.,Ltd,
104 Phatthanakan 40, Phatthanakan Rd.,
Khwaeng Phatthanakan, Khet Suan Luang,
Bangkok 10250 Thailand
Location : Incubation & Microbiological Reading

Received Order : 01 March 2024
Calibration Date : 01 March 2024
Ambient Temperature : $(26 \pm 10) ^\circ\text{C}$
Relative Humidity : $(50 \pm 30) \%$

Calibrated by : Krisda Maloe

Approved by :
() Ponnthippa Tameyakul
() Ummopphol Harachai
(✓) Suwit Imjai

Issue Date : 4 March 2024



Equipment : Water Bath
Condition As-Received : Used Item
Reference : 2403-0001OC-1
Procedure Used :-

Cert. No.: 24TM469
Page : 2 of 3

Calibration were conducted using in-house calibration procedure CP-OT04 Based on ASTM E715 according to direct measurement method with Data Acquisition which connected with Industrial Platinum Resistance Thermometer (IPRT).

The temperature scale used was based on ITS-90.

Condition of this result of calibration

1. Reference standard instrument-

Instrument	Serial No.	Cert. No.	Traceable	Due Date
1) Data Acquisition	MY57013711	23LM115	TPA	11 Jul 2024

2. This certificate is valid only to the item calibrated on date and place of calibration,
3. This certification is traceable to the International System of Unit.

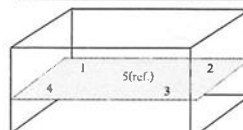
Remark : TPA : Technology Promotion Association (Thailand - Japan)

Result of Calibration :- (*) Without Adjustment

Function of UUC* : Temperature Source

Heat transfer medium used : Water

	Environmental		AC Voltage Supply
	(°C)	(%R.H.)	(Volt)
Beginning of Calibration	24	55	221
Finished of Calibration	23	56	220



Front

Position :	Ref. Std. ID No.:
1	4803988-001
2	4803988-002
3	4803988-003
4	4803988-004
5(ref.)	4803988-005

The Uncertainties are for a confidence probability of approximately 95%

This certificate may not be reproduced other than in full, except with the prior written
Approval of the head of Corporate Services 3 : Equipment Calibration and Testing Services



Equipment : Water Bath
Condition As-Received : Used Item
Reference : 2403-0001OC-1
Result of Calibration :- (*) Without Adjustment
Function of UUC* : Temperature Source

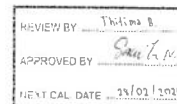
Cert. No.: 24TM469
Page : 3 of 3

BKK_EL0037

Agilent
CrossLab
From Insight to Outcome

Agilent CrossLab Start Up Services

Agilent 5100 5110 ICP-OES
Preventive Maintenance



Calibration point (°C)	UUC* Setting (°C)	UUC* Reading (°C)	Average* Standard Reading (°C)					Uncertainty (± °C)
			1	2	3	4	5 (ref.)	
44.5	44.5	44.5	44.469	44.462	44.492	44.510	44.496	0.15
45.0	45.0	45.0	44.975	44.974	45.007	45.023	44.999	0.15

Calibration point (°C)	Uniformity (°C)	Stability (± °C)	Coverage Factor k
44.5	0.087	0.029	2
45.0	0.069	0.031	2

Average* : The average of 30 values in each position.

Uniformity : The maximum difference of measured temperatures at any sensors and the measured temperature at the reference location which are observed at the same time or at as close an observation time as possible to determine the temperature pattern or homogeneity within the chamber under steady-state conditions.

Stability : One-half of the greatest maximum difference of measured temperature at any one probe.

UUC* : Unit Under Calibration

Note : The reported uncertainty of measurement was included stability and excluded uniformity.

The reported uncertainty of measurement was based on a standard uncertainty multiplied by a coverage factor k, providing a level of confidence of approximately 95 %.

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Agilent Preventive Maintenance provides factory recommended service for your analytical instruments to assure reliable operation and the accuracy of your results

Delivered by highly trained and certified service engineers using genuine Agilent parts and supplies, Agilent Preventive Maintenance provides what you need to reduce unplanned downtime and keep your systems operating at their peak performance

This checklist is used as a guide for completing the preventive maintenance tasks. A signed copy of this checklist is provided for your records.

Introduction

Customer Information

- Customers should provide all necessary operating supplies upon request of the engineer.
- A customer representative should be available to the engineer while performing the preventive maintenance procedures. Customers are responsible for regular maintenance and are encouraged to observe the service representative.
- Any parts not included in the Parts Lists section of this document are not part of the recommended Preventive Maintenance service nor are they included in the price of this service.
- If a system requires the use of extra or special procedures and/or parts for the maintenance service, then these must be ordered separately and charged as a repair, which may incur additional costs.
- For customers using HF applications, the instrument should be returned to its standard sample introduction system.

Important Customer Web Links

- To access Agilent University, visit <http://www.agilent.com/crosslab/university/> to learn about training options, which include online, classroom and onsite delivery. A training specialist can work directly with you to help determine your best options.
- To access the Agilent Resource Center web page, visit <https://www.agilent.com/en-us/agilentresources>. The following information topics are available:
 - Sample Prep and Containment
 - Chemical Standards
 - Analysis
 - Service and Support
 - Application Workflows
- The Agilent Community is an excellent place to get answers, collaborate with others about applications and Agilent products, and find in-depth documents and videos relevant to Agilent technologies. Visit <https://community.agilent.com/welcome>.
- Videos about specific preparation requirements for your instrument can be found by searching the Agilent YouTube channel at <https://www.youtube.com/user/agilent>.
- Need to place a service call? Flexible Repair Options | Agilent

Service Engineer's Responsibilities

- Contact the customer and ensure that all necessary supplies are available before the preventive maintenance visit.
- Only select those pages that relate to the system or module being serviced.
- Complete empty fields with the relevant information.
- Complete the relevant checkboxes in the checklist using either a "X" or tick mark "✓".
- Check "Service not applicable" check boxes to indicate services/tasks not delivered, as appropriate.
- Complete the Preventive Maintenance services in the most logical order relevant to the individual system service in the order of the tasks listed.
- Complete the Service Review section together with the customer.
- Complete the fields for page numbers at the foot of each selected page.
- Add relevant page numbers to selected pages and complete the total number of pages field in the Service Completion section.
- Ask the customer to sign the Service Verification section including the customer's and your signature.

Instrument Maintenance

System Information

- ☒ Check this box if an instrument configuration report is attached instead of completing the table.

Instrument System Name and ID	G6010A / M416010005
Instrument System Site and Location	RLS Laboratory Group (Ireland), Co. LTD

List System Component Product Numbers	List the Serial Numbers of each Component
1 G6010A	M416010005
2 G6410A	M41544-0764
3 G6410-30201	2004-00159
4	
5	
6	
7	
8	
9	

ICP-QES Configuration Table	Circle the type or write in the type if other
Nebulizer Type	<u>Spray</u> | OneWeb | Conical | Other
Spray Chamber	Cyclonic Single Pass | Cyclonic Double Pass | Other
Torch	Radial | Dual View | Other
Torch Type	One Piece | <u>Semi</u> Demountable | Fully Demountable | Other
Injector Diameter	2.4mm | <u>1.8mm</u> | 1.4mm | 0.8mm | Other
Injector Material	<u>Quartz</u> | Ceramic | Other

Preparation

- ☒ Discuss any specific issues with the customer before starting
- ☒ Review the instrument logbook for recorded problems and comments.
- ☒ Save instrument control settings before starting the procedure
- ☒ Perform a general inspection of the system for cleanliness.
- ☒ Check for proper installation of parts, assemblies, sensors etc.
- ☒ Check system for required installation of components and implementation of Service Notes
- ☒ Check for required firmware/software updates and verify with customers if they would like them installed
- ☒ For HF application systems, if standard sample introduction system was not installed, ask the customer to install it, *see 1A*.
- ☒ Ask the customer to remove any samples from the ICP-OES sample introduction area, auto sampler or around the ICP-OES.

Preventive Maintenance Procedures

Record Pre-PM instrument performance

- ☒ Run Instrument Performance test.
- ☒ Record results in Instrument Performance Test Results Table – Pre-PM

Clean and inspect ICP-OES system

- ☒ Look for any obvious external damage or problems.
- ☒ Inspect water cooling hoses, gas lines and power cord for excessive wear or damage.
- ☒ Perform a general Internal Inspection of the system for excessive dust accumulation, clean if necessary
- ☒ Inspect sample introduction components and record any required maintenance in the Service Engineer Comments and notify the customer as the required actions required.
- ☒ Record the instrument operating conditions in the ICP-OES Status Results Table.
- ☒ Replace the polychromator purge filter
- ☒ Replace the radial pre-optics window
- ☒ Replace the axial pre-optics window for SVDV and VDV instruments.
- ☒ Check exhaust flow for the correct positive extraction at the exhaust duct to insure they meet minimum specifications.
- ☒ Replace air inlet dust filter.
- ☒ Replace high capacity air inlet dust filter element if installed
- ☒ Remove and clean instrument water inlet filter.

Agilent Water Recirculator

- ☐ Service not applicable
- ☒ Drain cooling fluid and remove any particles from the chiller reservoir
- ☒ Remove, clean and reinstall water inlet metal mesh filter if present
- ☒ Re fill with Agilent Cool Clear cooling fluid
- ☒ Clean the cooling system Air filter and the condenser.

SPS 3 Auto Sampler

- ☒ Service not applicable
- ☐ Power cycle the autosampler and verify successful initialization
- ☐ Inspect X and Z axis belts for wear. Replace is necessary
- ☐ Clean X and Z axis slide shafts
- ☐ Using customer's racks and the Agilent software move the sample probe to the 4 outermost corners and rinse port, ensure that the probe is approximately centered in the vial

SPS 4 Auto sampler

- ☐ Service not applicable
- ☒ Clean the spill tray, rack location mat, end frames and chassis with a damp soft cloth and diluted mild detergent
- ☒ Clean the auto sampler cover panels, if cover kit is installed, with domestic window cleaner
- ☒ Check the X-axis and Z-axis drive belts for cracks, splits, damaged teeth, excessive fraying, color changes or degradation from fumes
- ☒ Check the X-axis, Theta-axis and Z-axis FFC cables for cracks, incorrect positioning, damaged edges or damaged connectors.
- ☒ Pump Tubing Replacement: Replace peristaltic pump tubing. Replace all tubing that goes from the rinse station to the pump and from the pump to the waste/rinse bottles
- ☒ Test using customer's tray and move the sample probe to the sample vial 1, wash vial and rinse port and ensure that the probe is centered in the vial. If not use calibration wizard and calibrate the position

AVS 4, 6, 7 Advanced Valve System

- ☒ Service not applicable
- ☐ Replace valve rotor seal
- ☐ Check fittings for signs of leaks
- ☐ Check tubing including autosampler tubing for kinks or excessive wear
- ☐ Check high flow pump for signs of leaks

ICP-OES adjustment

- ☒ Check position of Zn peak, adjust if required
- ☒ Check Argon Ratio, adjust to specified value if required
- ☒ Perform Detector Calibration
- ☒ Perform Instrument Calibration

Record Post-PM instrument performance

- ☒ Run Instrument Performance test.
- ☒ Record results in Instrument Performance Test Results Table - Post PM
- ☒ For systems using ICP Expert version 7.3 and above, run the following instrument tests
 - ☒ Subsystem Communications Test
 - ☒ Air Flow
 - ☒ Water Flow
 - ☒ Gas Flows
 - ☒ RF Generator
 - ☒ Camera Test
 - ☒ Optics Test
 - ☒ Nebulizer Test
- ☒ Record the result in the Instrument Test Results Table

Restore Instrument

- ☒ For HF applications, ask the customer to reinstall their sample introduction system
- ☒ Leave system in an idle state, on and purging
- ☒ Guidance- If the PM service is performed prior to a qualification service, then use the qualification procedure as a guide for final instrument set up and checkout

Service Review

- ☒ Attach available reports/printouts of all tests to this documentation
- ☒ Record the Preventive Maintenance service activity in the customer's records/logbook.
- ☒ Record the PM event in the Smart Alerts logbook, if applicable.
- ☒ Update/reset instrument maintenance counters as appropriate
- ☒ Affix the PM sticker to the system or instrument logbook based on the customer's request
- ☒ Complete the Service Engineer Comments section if there are additional comments
- ☒ Review this service, parts replaced, and test results obtained with the customer.
- ☒ If the instrument firmware was updated, record the details of the change in the Service Engineers Comments box. Systems in a compliant environment may need additional documentation.
- ☒ Complete the Signature Page with both Service Engineer and Customer signatures,

Test Results

Instrument Performance Test Results Table

Note: These measurements do not form part of any specification and are for reference only.

	Pre PM Sensitivity Check		Post PM Sensitivity Check	
	Radial	Axial *	Radial	Axial*
Zn 213.857 nm SRRR	1531.2	344.3	1534.0	342.7
Mn 257.610 nm SRRR	1355.9	1255.4	734.9	1379.3
Al 296.152 nm SBR	2.7	16.0	5.4	16.5
K 766.491 nm SBR	5.3	61.6	36	72.8

* Axial result is not applicable for G8016AA, G8012AA Radial View instruments

Instrument Test Results Table

Note: The Instrument Test results are for systems using ICP Expert version 7.3 and above only

Instrument Test	Result
Subsystem Communications Test	Pass
Air Flow	Pass
Water Flow	Pass
Gas Flows	Pass
RF Generator	Pass
Camera Test	Pass
Optics Test	Pass
Nebulizer Test	Pass

ICP-OES Status Results Table

Note: These measurements do not form part of any specification and are for reference only

Measurement	Standby Mode	Plasma On
Main Voltage	213.317 VAC	215.125 VAC
Mains Current	0.094 A	0.113 A
Instrument Temperature	25.9 °C	23.2 °C
RF Air Flow (sensor speed)	19.0 Hz	23.0 Hz
Plasma Exhaust Temperature	No measurement	26.1 °C
Water Flow Oscillator	No measurement	1.20 L/min
Water Flow Detector	1.96 L/min	1.09 L/min
Water Inlet Temperature	22.9 °C	22.6 °C
Polychromator Temperature	36.0 °C	35.0 °C
CDD Temperature	-46.1 °C	-49.0 °C
Thermal Stabilizer	33.5 °C	34.4 °C
Argon Supply Pressure	614.44 kPa	551.20 kPa
Purge Gas Supply Pressure*1	610.61 kPa	614.30 kPa
Option Gas Supply Pressure*1	— kPa	— kPa
Nebulizer Flow	No measurement	0.70 L/min
Nebulizer Back Pressure	No measurement	21.06 kPa
Plasma Gas Flow	No measurement	11.99 L/min
Auxiliary Gas Flow	No measurement	1.00 L/min
RF Power	No measurement	1199 W
RF Supply Current	No measurement	5.66 A
RF Supply Voltage	No measurement	124.61 V

*1 If option installed

Consumed PM Parts

Part Description	Part Number	Product or Model# where used	Quantity consumed
Axial Pre-Optic Window	G8010-68014	G8010A, G8011A, G8014A/G8015A	1
Radial Pre-Optic Window	G8010-68015	All	1
Agilent Cool Clear Coolant Fluid	5799-0037	Agilent Water Recirculator	1
Purge Gas Filter	G8010-63136	All	1
Air inlet filter	G8000-69002	All	1
High Capacity Air Filter	G8010-63189	Optional	—
Rotor seal for 6-7 port valve for AV56/7	G8194-60002	G8494A/G8495	—
Rotor seal for 4 port valve for AV54	G8493-60002	G8493A	—
Rinse solution to rinse station 2.5mm id x 1m	G8410-80123	SFS 4	1
Brush connector 2.5mm-1.4mm ID	G8410-80124	SFS 4	1
PVC waste tubing 8mm od x 5mm id, 2m	G8410-80122	SFS 4	1
Additional Parts may be required from engineer's stock:			
X axis drive belt	5410047300	SFS 3	—
Z axis drive belt	5410047400	SFS 3	—
Peristaltic pump tubing PVC Solvalflex 3 bonded	3710049000	SFS 4	—

Consumed Parts Reference

(Purchased by customer, not included as part of PM)

☒ Section Not Applicable

Part Description	Part Number	Product or Model# where used	Quantity consumed
------------------	-------------	------------------------------	-------------------

Signature Page

Service Engineer Comments (optional)

If there are any specific points you wish to note as part of performing the installation or other items of interest for the customer, please write in this box.

Service Verification

Service Request Number: 6006101534
 Service Engineer Name: Nithin L.
 Service Engineer Signature: Nithin L.
 Total number of pages in this document: 14

Date Service Completed: Feb 28, 2024
 Customer Name: Nithin L.
 Customer Signature: Nithin L.

Revision A.02, Issued: 01 January 2022
 Document Number: 118111-90075
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Page 12 of 12



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 129 Rama 9 Road, Huaywang, Huaywang, Bangkok 10330
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REVIEW BY: Junda K
 APPROVED BY: Sinit P
 NEXT CAL DATE: 02/08/25

Certificate of Calibration

Model Number: MSE2245-100-DU
 Description: Analytical Balance
 Serial Number: 0027405555
 ID No.: BKK_EN0003
 Manufacturer: Sartorius

Certificate No.: 24CH0270
 Issued Date: Monday, August 05, 2024
 Reference No.: 240942
 Page No.: 1 of 2

Customer Name: ALS Laboratory Group (Thailand) Co., Ltd.
 104 Phatthanakan 40/Phatthanakan Rd., Khwaeng Suan Luang, Khet Suan Luang, Bangkok 10250.

Calibrated Place: Lab Room

Calibrated By: Mr. Chonchai Intahano
 Calibration Date: Friday, August 02, 2024

Calibration Procedure No.: This calibration was conducted by using in-house calibration procedure number (WI-0003) Based on UKAS LAB 14: 2019

Metrological data:
 Capacity: 220 g Residuality: 0.0001 g

Ambient Conditions:
 Temperature: 23.0 °C ± 5.0 °C
 Humidity: 55.0 % RH ± 10.0 % RH
 Pressure: ±

Reasons for calibration:
☐ New Installation ☐ Service / Repair ☐ Recalibration / Maintenance

Equipment Condition: ☐ Good Operate ☐ Fail

Measurement Method UKAS Publication Ref: Lab 14

The measurement uncertainty stated is the expanded uncertainty which is obtained from the standard uncertainty multiplied by the coverage factor (k=2) to provide a level of confidence of approximately 95%. It is determined in accordance with the Guide to Expression of Uncertainty in Measurement (GUM). The calibration certificate documents the traceability to National Standards, which realise the unit of measurement according to the International Standard System of Units (SI). Report of Tolerance came from list of Sartorius Metrological Specifications.

Traceability:

Model Number	Description	Traceability	Certificate No.	Due Date
YC5011-522-00	Sartorius weight set 1mg - 5000g (2.YC5011-522-00)	TCS	M23081975	23-Aug-2025
Testo 174 H	Thermo-Hygrometer, Testo 174H	ENTECH	INT 061303.H661140	12-Nov-2024

This certificate is valid and apply this equipment only.

This certificate may not be reproduced other than in full except with the prior written approval of the Verification Operation Division Sartorius (Thailand) Co., Ltd.

Mr. Chonchai Intahano (Technical Manager)



SOP FM 33 03 February 2022

Sartorius (Thailand) Co., Ltd.
 129 Rama 9 Road, Huaywang, Huaywang, Bangkok 10330
 Tel: +66 2643 8361-6 Fax: +66 2643 8371, e-mail: service.thailand@sartorius.com

SARTORIUS

Certificate of Calibration

Model Number: MSE2245-100-DU
 Description: Analytical Balance
 Serial Number: 0027405555
 ID No.: BKK_EN0003
 Manufacturer: Sartorius

Certificate No.: 24CH0270
 Issued Date: Monday, August 05, 2024
 Reference No.: 240942
 Page No.: 2 of 2

Calibration Results : Without Adjustment

Repeatability			Eccentricity (Off-center loading error)		
The repeatability is the ability of a weighing instrument to display nearly identical results under identical load conditions when the same load within a measurement range is placed repeatedly on the weighing pan at the same position. The standard deviation is used to express repeatability.			The off-center loading error is verified by the difference between the result of the load at 1/3 or 2/3 of maximum capacity, placed on the middle of the weighing pan and between each of four additional measurement points (positions defined according to OIML R110).		
Nominal Value : (Low Load)	20.0000	200.0000	Nominal value:	100	g
20 g	20.0000	199.9999	Tolerance:	0.0004	g
Tolerance:	20.0000	200.0000			
0.0001 g	20.0000	200.0000			
	20.0000	200.0000			
	20.0000	200.0000			
Nominal Value : (High Load)	200.0000	200.0000			
200 g	200.0000	200.0000			
Tolerance:	200.0000	200.0000			
0.0001 g	200.0000	200.0000			
	200.0000	200.0000			
Standard Deviation	0.00004	0.00006			

Linearity

The linearity, also called linearity error, describes the deviation of the characteristic curve of a weighing instrument from the linear slope.

Tolerance 0.0002 g				
Nominal Value	Conventional Mass Value	Displayed Value	Deviation	Uncertainty
(g)	(g)	(g)	(g)	(g)
0.01	0.0100	0.0100	0.0000	0.00015
0.1	0.1000	0.1000	0.0000	0.00015
1	1.0000	1.0000	0.0000	0.00015
2	2.0000	2.0000	0.0000	0.00015
5	5.0000	5.0000	0.0000	0.00015
10	10.0000	10.0000	0.0000	0.00015
20	20.0000	20.0000	0.0000	0.00015
50	50.0000	50.0001	0.0001	0.00016
100	100.0000	100.0001	0.0001	0.00019
200	200.0000	200.0000	0.0000	0.00029

End of Report

SOP FM 33 03 February 2022



TECHNOLOGY PROMOTION ASSOCIATION (THAILAND-JAPAN)
 CORPORATE SERVICES 3: EQUIPMENT CALIBRATION AND TESTING SERVICES
 534/4 PATTANAKARN ROAD SOI 18, SUANLUANG, SUANLUANG BANGKOK 10250
 TEL: 0-2717-3000-29 FAX: 0-2719-9484



Certificate of Calibration

Cert.No.: 24CH1295
 Page.: 1 of 3

Equipment: pH Meter
 Manufacturer: Hach
 Model: HQ411d
 Serial No.: 200100031163
 ID No.: BKK_EN0342
 Condition As-Received: Used Item
 Received Date: 16 October 2024
 Calibration Date: 17 October 2024
 Reference: 2410-0548DSC-5
 Submitted by: ALS Laboratory Group (Thailand) Co., Ltd., 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand

Ambient Temperature: (25 ± 2.5) °C
 Relative Humidity: (50 ± 15) %
 Calibration Procedure: In-house method :
 - CP-GH5 by direct measurement with certified reference material (CRM)
 - CP-GH6 by comparison with temperature standard

Calibrated by: Warakorn Lemgagabkul

Approved by: Sinit P
 Approved Signatory

() Unnopphol Harachai
 () Ponpan Palpim
 (✓) Saitip Meangmai

Issue Date: 21 October 2024

The Uncertainties are for a confidence probability of approximately 95%

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ภาคผนวก จ

สำเนาหนังสืออนุญาตขึ้นทะเบียนห้องปฏิบัติ

การวิเคราะห์เอกชน



กรมโรงงานอุตสาหกรรม
ถนนพระรามที่ ๖ แขวงทุ่งพญาไท
เขตราชเทวี กรุงเทพฯ ๑๐๔๐๐

๐๘ สิงหาคม ๒๕๖๓

เรื่อง คออายหนึ่งสิอรับขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน

เขียน การรวมการจัดการ บริษัท เอแอลเอส แลบบอราทอรี กรุ๊ป (ประเทศไทย) จำกัด

อ้างถึง คำขอขึ้นทะเบียน/ต่ออายุ/เปลี่ยนแปลงบุคลากร และขณิฉัตรณสมพิษของห้องปฏิบัติการวิเคราะห์
เอกชน ลงวันที่ ๒๓ พฤษภาคม ๒๕๖๗

สิ่งที่ส่งมาด้วย เอกสารแนบท้ายหนังสือต่ออายุรับขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน

บริษัท เอแอลเอส แลบบอราทอรี กรุ๊ป (ประเทศไทย)

ตามคำขอที่อ้างถึง บริษัท เอลเอสเอส แอนด์ออสทริ กรุ๊ป (ประเทศไทย) จำกัด ขอต่ออายุหนังสือขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน เลขทะเบียน ว-๓๓๓ สถานที่ตั้งเลขที่ ๖๖๖/๑๐ หมู่ที่ ๕ ตำบลเม่น้ำกึ่ง อำเภอปลวกแดง จังหวัดระยอง ต่อกรมโรงงานอุตสาหกรรม นั้น

กรมโรงงานอุตสาหกรรมพิจารณาแล้ว ให้บริษัท เอแอลแอล แลบริทอรี่ กรุ๊ป (ประเทศไทย) จำกัด ส่งยานั่งสี่ล้อ ขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์ผลกรบ โดยมอบงบประมาณดังนี้

ก. ผู้ควบคุมห้องปฏิบัติการวิเคราะห์เอกชน

- | | |
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๑๖) นายณัฏฐพล...

• 5 •

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- ๖๖) นางสาวกิตติภา สันัญญาธิราช
- ๖๗) นางสาวจิตติรัตน์ ศิริมงคล
- ๖๘) นายพิพัฒน์ นันทวิบูลย์
- ๖๙) นายสุวิทย์ เวียงผล
- ๗๐) นายปรามคม สัตย์หาญ
- ๗๑) นายอนุชากร ธรรมเสนา
- ๗๒) นางสาวกรรณิ์ ใจสุพรรณ

- [illegible]

๕๒) นายพชรกร...

เอกสารแนบท้ายหนังสือเปลี่ยนแปลงสารมลพิษของห้องปฏิบัติการวิเคราะห์เอกชน

บริษัท เอแอลเอส แลบบอราทอรี กรุ๊ป (ประเทศไทย) จำกัด เลขทะเบียน ๖-๓๒๓

શ્રી ઇ. ૧૯૫૦/ ૧૯૫૧

ลงวันที่ ๐๘ สิงหาคม ๒๕๖๓

ข้อมูลข่าวสารผลิตภัณฑ์ที่ได้รับขึ้นทะเบียนจากกรมโรงงานอุตสาหกรรม จำนวน ๒๔ รายการ

น้ำเสีย จำนวน 14 รายการ

ลำดับ ที่	สารมลพิษ	วิธีวิเคราะห์
1	Biochemical Oxygen Demand	1) 5-Day BOD Test, Membrane Electrode Method ²⁾ 2) 5-Day BOD Test, Azide Modification Method ²⁾
2	Chemical Oxygen Demand	1) Open Reflux, Titrimetric Method ²⁾ 2) Closed Reflux, Colorimetric Method ²⁾ 3) Closed Reflux, Titrimetric Method ²⁾
3	Color	ADM Weighted-Ordinate Spectrophotometric Method ¹⁾
4	Cyanide	Distillation, Colorimetric Method ²⁾
5	Formaldehyde	Distillation, Colorimetric Method ²⁾
6	Free Chlorine	DPD Ferrous Titrimetric Method ²⁾
7	Oil and Grease	Liquid-Liquid, Partition-Gravimetric Method ²⁾
8	pH	Electrometric Method ²⁾
9	Phenols	1) Distillation, Chloroform Extraction Method ²⁾ 2) Distillation, Direct Photometric Method ²⁾
10	Sulfide	ZnS Precipitation, Iodometric Method ²⁾
11	Temperature	Field Method ²⁾
12	Total Dissolved Solids	Dried at 180 °C ²⁾
13	Total Kjeldahl Nitrogen	Semi-Macro Kjeldahl Method ²⁾
14	Total Suspended Solids	Dried at 103-105 °C ²⁾

น้ำใต้ดิน จำนวน 3 รายการ

ลำดับ ที่	สารมลพิษ	วิธีวิเคราะห์
1	Cyanide	Distillation, Colorimetric Method ⁽²⁾
2	pH	Electrometric Method ⁽²⁾
3	Phenols	Distillation, Direct Photometric Method ⁽²⁾

อากาศเสีย⁴⁴

ศูนย์วิจัยและเพื่อนักยมนาฬิกะโรงงาพาทะวันออก

โทร: ๐ ๙๓๓๑๑ ๖๖๕๙ ถึง ๕๐๐๑-๒

โทรสาร : 0-2628-9700 โทรสารมือถือ : 09-000-0000-0

ไปรษณีย์อิเล็กทรอนิกส์ : enviro@w.mai.go.th



“อุตสาหกรรมกาวไทย ประเทศไทยก้าวหน้า ร่วมกันพัฒนา อุตสาหกรรมสีเขียว”



อากาศเสีย (ปล่อยระบาย) จำนวน 7 รายการ

ลำดับ ที่	สารมลพิษ	วิธีวิเคราะห์
1	Carbon Monoxide	1) Sampling Bag, Non-Dispersive Infrared Method ^[3] 2) Instrumental Analyzer Method ^[6]
2	Hydrogen Sulfide	Absorption Sampling, Iodometric Method ^[5]
3	Opacity	Ringelmann's Method ^[3,4]
4	Oxide of Nitrogen	1) Absorption Sampling, Phenoldisulfonic Acid Method ^[4] 2) Instrumental Analyzer Method ^[10]
5	Sulfur Dioxide	1) Absorption Sampling, Barium-Thorin Titrimetric Acid Method ^[5] 2) Instrumental Analyzer Method ^[11]
6	Sulfuric Acid	Isokinetic Sampling, Barium - Titrimetric Method ^[6]
7	Total Suspended Particulate	Isokinetic Sampling, Gravimetric Method ^[7]

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(Handwritten signature)



ที่ ออ ๐๒๖๐/ ๑ ๐ ๐ ๙ ๙

กรมโรงงานอุตสาหกรรม
ถนนพระรามที่ ๖ แขวงทุ่งพญาไท
เขตราชเทวี กรุงเทพฯ ๑๐๕๐๐

๑๔ ตุลาคม ๒๕๖๙

เรื่อง แก้ไขรายชื่อเจ้าหน้าที่ห้องปฏิบัติการวิเคราะห์เอกชน

เรียน กรรมการผู้จัดการ บริษัท เอแอลเอส แลบบอราทอรี กรุ๊ป (ประเทศไทย) จำกัด

อ้างถึง หนังสือ บริษัท เอแอลเอส แลบบอราทอรี กรุ๊ป (ประเทศไทย) จำกัด เลขที่ Env 2024/005 ลงวันที่ ๑๐ สิงหาคม ๒๕๖๙

ตามหนังสือที่อ้างถึง บริษัท เอแอลเอส แลบบอราทอรี กรุ๊ป (ประเทศไทย) จำกัด ห้องปฏิบัติการวิเคราะห์เอกชน เลขทะเบียน ๖-๓๒๓ สกน.ที่ ตั้งเลขที่ ๖๖๖/๑๐ หมู่ที่ ๕ ตำบลแม่ไม้ ต.อำเภอปลวกแดง จังหวัดระยอง ขอแก้ไขรายชื่อเจ้าหน้าที่ห้องปฏิบัติการวิเคราะห์เอกชน เนื่องจากมีความเคลื่อนไหว และเปลี่ยนแปลงแล้ว นั้น

กรมโรงงานอุตสาหกรรม ได้รับทราบและดำเนินการแก้ไขรายชื่อเจ้าหน้าที่ห้องปฏิบัติการวิเคราะห์เอกชน จำนวน ๕ ราย ดังนี้

- ลำดับที่ ๒๙ นางพจน - สิดา
- ลำดับที่ ๒๘ นางสาวอนิศา กุลสุวัง
- ลำดับที่ ๓๐ นางช่อธิดา สุขเกษ
- ลำดับที่ ๓๖ นายสุทธิดำรงค์ โชคปิตินันท์
- ลำดับที่ ๔๒ นายกันตภณ มณีสัมพันธ์

จึงเรียนมาเพื่อทราบ

ขอแสดงความนับถือ

(Signature)
(นายพรยศ ถิ่นกรทอง)
รองอธิบดี ปฏิบัติราชการแทน
อธิบดีกรมโรงงานอุตสาหกรรม

ศูนย์วิจัยและเฝ้าระวังมลพิษโรงงานภาคตะวันออก
โทร. ๐ ๓๓๓๓ ๖๐๔๔ ต่อ ๕๐๐๑๒
อีเมล: elrw@dlw.go.th





ที่ อก ๐๓๑๐(๑)/ ๑ ๖ ๑ ๖ ๘

กรมโรงงานอุตสาหกรรม
ถนนพระรามที่ ๖ แขวงทุ่งพญาไท
เขตราชเทวี กรุงเทพฯ ๑๐๕๐๐

๒ ๐ พฤศจิกายน ๒๕๖๖

เรื่อง ต่ออายุหนังสือรับขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน

เรียน กรรมการผู้จัดการ บริษัท เอแอลเอส แลบบอราทอรี กรุ๊ป (ประเทศไทย) จำกัด

อ้างถึง คำขอขึ้นทะเบียน/ต่ออายุ/เปลี่ยนแปลงบุคลากร และขอใบสามรถของห้องปฏิบัติการวิเคราะห์เอกชน
ลงวันที่ ๔ สิงหาคม ๒๕๖๖

สิ่งที่ส่งมาด้วย ๑. รายชื่อผู้ควบคุมดูแลห้องปฏิบัติการวิเคราะห์ จำนวน ๑ แผ่น
๒. รายชื่อเจ้าหน้าที่ประจำห้องปฏิบัติการวิเคราะห์ จำนวน ๕ แผ่น
๓. ขอบข่ายสารเคมีที่ได้รับขึ้นทะเบียนจากกรมโรงงานอุตสาหกรรม จำนวน ๑๑ แผ่น

ตามหนังสือที่อ้างถึง บริษัท เอแอลเอส แลบบอราทอรี กรุ๊ป (ประเทศไทย) จำกัด ขอต่ออายุหนังสือ
รับขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน เลขทะเบียน ๖-๒๐๔๔-๑๐๐๑๔ สถานที่ตั้งเลขที่ ๑๐๕ ซอยพัฒนาการ ๔๐
ถนนพัฒนาการ แขวงพัฒนาการ เขตสวนหลวง กรุงเทพมหานคร ต่อกรมโรงงานอุตสาหกรรม นั้น

กรมโรงงานอุตสาหกรรมพิจารณาแล้ว ให้บริษัท เอแอลเอส แลบบอราทอรี กรุ๊ป (ประเทศไทย) จำกัด
ต่ออายุหนังสือรับขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน โดยมีองค์ประกอบดังนี้

ก. ผู้ควบคุมดูแลห้องปฏิบัติการวิเคราะห์ จำนวน ๖ ราย ตามสิ่งที่ส่งมาด้วย ๑

ข. เจ้าหน้าที่ประจำห้องปฏิบัติการวิเคราะห์ ๕๔๑ ราย ตามสิ่งที่ส่งมาด้วย ๒

ค. ขอบข่ายสารเคมีที่ได้รับขึ้นทะเบียนให้วิเคราะห์ในน้ำเสีย น้ำใต้ดิน อากาศเสีย สิ่งปฏิกูล
หรือวัสดุที่ไม่ใช้แล้ว และดิน ตามสิ่งที่ส่งมาด้วย ๓

หนังสือฉบับนี้จะมีผลในวันที่ ๒ กันยายน ๒๕๖๗ หากประสงค์จะต่ออายุหนังสือ
รับขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน ให้ยื่นคำขอต่ออายุพร้อมเอกสารประกอบคำขอต่อ
กรมโรงงานอุตสาหกรรม ภายใน ๓๐ วัน นับวันสิ้นสุดของหนังสือรับขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน
ทั้งนี้ สามารถยื่นคำขอผ่านระบบอิเล็กทรอนิกส์ได้ทั้งหน้าเว็บไซต์กรมโรงงานอุตสาหกรรม

จึงเรียนมาเพื่อทราบ

ขอแสดงความนับถือ

(นายศิระ จันทร์เส็ก)

นักวิทยาศาสตร์เชี่ยวชาญ วิชาการสาธารณสุข

ผู้อำนวยการกองวิจัยและพัฒนาสิ่งแวดล้อมพิษโรงงาน

ปฎิบัติราชการแทนอธิบดีกรมโรงงานอุตสาหกรรม

กองวิจัยและพัฒนาสิ่งแวดล้อมพิษโรงงาน

กลุ่มมาตรฐานวิธีการวิเคราะห์ค่ามลพิษและทะเบียนห้องปฏิบัติการ

โทร. ๐ ๒๕๓๐ ๖๓๑๒ ต่อ ๒๑๐๖-๕

โทรสาร ๐ ๒๕๓๐ ๖๓๑๒ ต่อ ๒๑๔๔

ไปรษณีย์อิเล็กทรอนิกส์ sarabang@dwi.moi.go.th



"อุตสาหกรรมก้าวไกล ประเทศไทยก้าวร่วมพัฒนา อุตสาหกรรมสีเขียว"



สิ่งที่ส่งมาด้วย ๑

เอกสารแนบท้ายหนังสือรับขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน
บริษัท เอแอลเอส แลบบอราทอรี กรุ๊ป (ประเทศไทย) จำกัด เลขทะเบียน ๖-๒๐๔๔
ที่ อก ๐๓๑๐(๑)/ ๑ ๖ ๑ ๖ ๘ ลงวันที่ ๒ ๐ พฤศจิกายน ๒๕๖๖

ก. ผู้ควบคุมดูแลห้องปฏิบัติการวิเคราะห์ จำนวน ๖ ราย

๑) นางสาวอุฬาร จันทะรัง

ทะเบียนเลขที่ ๖-๒๐๔๔-๑-๐๐๑๑

๒) นางสาวชัญญ์ โภการกุล ณ นคร

ทะเบียนเลขที่ ๖-๒๐๔๔-๑-๐๐๑๒

๓) นายศราวุธ จิตราชนนท์

ทะเบียนเลขที่ ๖-๒๐๔๔-๑-๐๐๑๓

๔) นางสาวกนกกร เอนก

ทะเบียนเลขที่ ๖-๒๐๔๔-๑-๐๐๑๔

๕) นายสุริยา สอนแก้ว

ทะเบียนเลขที่ ๖-๒๐๔๔-๑-๐๐๑๕

๖) นายวิชาญ จุลพันธ์

ทะเบียนเลขที่ ๖-๒๐๔๔-๑-๐๐๑๖

สิ่งที่ส่งมาด้วย ๒

เอกสารแนบท้ายหนังสือรับขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน
บริษัท เอแอลเอส แลบบอราทอรี กรุ๊ป (ประเทศไทย) จำกัด เลขทะเบียน ๖-๒๐๔๔
ที่ อก ๐๓๑๐(๑)/ ๑ ๖ ๑ ๖ ๘ ลงวันที่ ๒ ๐ พฤศจิกายน ๒๕๖๖

ข. เจ้าหน้าที่ประจำห้องปฏิบัติการวิเคราะห์ จำนวน ๕๔๑ ราย

๑) นายภาณุวัฒน์ กิตติคุณวัฒน์

ทะเบียนเลขที่ ๖-๒๐๔๔-๑-๐๐๑๑

๒) นายภัทรพล สว่างใจธรรม

ทะเบียนเลขที่ ๖-๒๐๔๔-๑-๐๐๑๒

๓) นายณวัชร เทือกชัยคำ

ทะเบียนเลขที่ ๖-๒๐๔๔-๑-๐๐๑๓

๔) นายศิริโชค พงษ์ประสม

ทะเบียนเลขที่ ๖-๒๐๔๔-๑-๐๐๑๔

๕) นายณัฐวัฒน์ ช่างแพง

ทะเบียนเลขที่ ๖-๒๐๔๔-๑-๐๐๑๕

๖) นางสาวจินดา ไชยธรรม

ทะเบียนเลขที่ ๖-๒๐๔๔-๑-๐๐๑๖

๗) นางสาวลาวัณย์ น้อยเสถียร

ทะเบียนเลขที่ ๖-๒๐๔๔-๑-๐๐๑๗

๘) นางสาวชนัญญา อิ่มนง

ทะเบียนเลขที่ ๖-๒๐๔๔-๑-๐๐๑๘

๙) นางสาววันพร สายเส็ง

ทะเบียนเลขที่ ๖-๒๐๔๔-๑-๐๐๑๙

๑๐) นางสาววันหวดี สอนบุญ

ทะเบียนเลขที่ ๖-๒๐๔๔-๑-๐๐๒๐

๑๑) นางสาวศรีวันเฉลิม ช่างรงค์

ทะเบียนเลขที่ ๖-๒๐๔๔-๑-๐๐๒๑

๑๒) นางสาวอัญญาพร มงคลจิรัฏฐิ

ทะเบียนเลขที่ ๖-๒๐๔๔-๑-๐๐๒๒

๑๓) นางสาวศิริลักษณ์ บุญนาค

ทะเบียนเลขที่ ๖-๒๐๔๔-๑-๐๐๒๓

๑๔) นายพนพงค์ จันทร์พันธุ์

ทะเบียนเลขที่ ๖-๒๐๔๔-๑-๐๐๒๔

๑๕) นายบรรณเศรษฐ์ โกมลย์

ทะเบียนเลขที่ ๖-๒๐๔๔-๑-๐๐๒๕

๑๖) นายธินาวา จริยา

ทะเบียนเลขที่ ๖-๒๐๔๔-๑-๐๐๒๖

๑๗) นางสาวเกรกนิษฐ์ แก้วมโน

ทะเบียนเลขที่ ๖-๒๐๔๔-๑-๐๐๒๗

๑๘) นางสาวสุวิมล ชัยเรืองวุฒิ

ทะเบียนเลขที่ ๖-๒๐๔๔-๑-๐๐๒๘

๑๙) นางสาวสุชาดา อรรถมวาร

ทะเบียนเลขที่ ๖-๒๐๔๔-๑-๐๐๒๙

๒๐) นางสาวปณิกา ชัยเดชอนกุล

ทะเบียนเลขที่ ๖-๒๐๔๔-๑-๐๐๓๐

๒๑) นางสาวศศิธร หนูสวัสดิ์

ทะเบียนเลขที่ ๖-๒๐๔๔-๑-๐๐๓๑

๒๒) นางสาวเสาวลักษณ์ ภูณาทำพร

ทะเบียนเลขที่ ๖-๒๐๔๔-๑-๐๐๓๒

๒๓) นายอภิสิทธิ์ สิงหา

ทะเบียนเลขที่ ๖-๒๐๔๔-๑-๐๐๓๓

๒๔) นายศักดิ์สิทธิ์ โพธิ์ลาพิสุทธิ

ทะเบียนเลขที่ ๖-๒๐๔๔-๑-๐๐๓๔

๒๕) ว่าที่ร้อยตรีหญิง พรรณิกา ช่างเจริญ

ทะเบียนเลขที่ ๖-๒๐๔๔-๑-๐๐๓๕

๒๖) นางจิตตา คำแก้ว

ทะเบียนเลขที่ ๖-๒๐๔๔-๑-๐๐๓๖

๒๗) นางสาวอรรณพ รักษ์

ทะเบียนเลขที่ ๖-๒๐๔๔-๑-๐๐๓๗

๒๘) นางสาวพรรัตน์ นิ่มนงนาค

ทะเบียนเลขที่ ๖-๒๐๔๔-๑-๐๐๓๘

๒๙) นายจุลเดช วรจันทร์

ทะเบียนเลขที่ ๖-๒๐๔๔-๑-๐๐๓๙

๓๐) นางสาวกาญจน์ รุ่งคำ

ทะเบียนเลขที่ ๖-๒๐๔๔-๑-๐๐๔๐

๓๑) นายพรมณ์ ศรีบัณฑิต

ทะเบียนเลขที่ ๖-๒๐๔๔-๑-๐๐๔๑

๓๒) นายสุกัญญา สอน

ทะเบียนเลขที่ ๖-๒๐๔๔-๑-๐๐๔๒

๓๓) ว่าที่ร้อยตรี เฉลิมเกียรติ อมรศรีเสริม

ทะเบียนเลขที่ ๖-๒๐๔๔-๑-๐๐๔๓

๓๔) นางสาววริยา สร้างนา

ทะเบียนเลขที่ ๖-๒๐๔๔-๑-๐๐๔๔

๓๕) นายอนุพงศ์ รัตนศรีประเสริฐ

ทะเบียนเลขที่ ๖-๒๐๔๔-๑-๐๐๔๕

๓๖) นางสาวจุฬารัตน์...

- ๒ -

๓๖) นางสาวจุฬารัตน์ โอนสันเทียะ
๓๗) นางสาวจางวรรณ พิมพ์กัญญา
๓๘) นางสาวปรารถนาทิพย์ กิจไพศาลศักดิ์
๓๙) นางสาวเดือนใจ ทางกลาง
๔๐) นางสาวจิราพร ศิริเวช
๔๑) นายวรากร หูกัญ
๔๒) นายพนง วิริยะสกิจ
๔๓) นายอนันต์ เจริญ
๔๔) นายณิศร จำพพร
๔๕) นายภูริช พรหมสะอาด
๔๖) นายสมเดช โภคาพิพัฒน์
๔๗) นายชวฤทธิ์ วงษ์จันทร์
๔๘) นายอาทิตย์ ศรีเนก
๔๙) นายเจตติพร คงศักดิ์ไทย
๕๐) นายจรัส บุญอึ้ง
๕๑) นายธนาธิป เสนก
๕๒) นายอภิวัฒน์ หนูหนู
๕๓) นางสาวกาญจนา มาก
๕๔) นางสาวพัชรพร ขวาลสมบุญ
๕๕) นางสาวจิตติมา บุญเพ็ง
๕๖) นางสาวภาณุมาศ นามวัฒน์
๕๗) นางสาวอุไรรัตน์ ตั้งสร้างแป้น
๕๘) นายธีรวัฒน์ ปางสูง
๕๙) นายอภิพรชัย ยะโส
๖๐) นายประพนธ์ วรณัฐชัย
๖๑) นายชยธร พงษ์ทิพย์
๖๒) นางสาวกนกวรรณ จันทร์บาล
๖๓) นายสิทธิโชค ธงเงิน
๖๔) นางสาววรรณใจ บุญ
๖๕) นางสาวพรณิศา พุ่มก
๖๖) นายวาทิต ศรีวิริยะ
๖๗) นายสุวิชา ทองอ่อน
๖๘) นายวิญญู บุญตะนัย
๖๙) นายสมบุญ บุตรจันทร์
๗๐) นายวิรัตน์ โชยมะรา
๗๑) นายณัฐพงศ์ เทียน
๗๒) นายธีรณัฐ ขวาลอ
๗๓) นายสุธี นามบุรี
๗๔) นายอภิรักษ์ รอดาว

ทะเบียนเลขที่ ๖-๒๐๔๔-๑-๐๐๒๖
ทะเบียนเลขที่ ๖-๒๐๔๔-๑-๐๐๒๗
ทะเบียนเลขที่ ๖-๒๐๔๔-๑-๐๐๒๘
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ทะเบียนเลขที่ ๖-๒๐๔๔-๑-๐๐๗๙
ทะเบียนเลขที่ ๖-๒๐๔๔-๑-๐๐๘๐

๗๕) นายประเสริฐ...

๑๑๔) นายอนันต์ชัย...

๑๕๓) นางสาวอุบล...

3m

19 Copper...

ลำดับที่	สารมลพิษ	วิธีวิเคราะห์
19	Copper	1) Digestion, Inductively Coupled Plasma Method ⁽⁴⁾ 2) Digestion, Inductively Coupled Plasma/ Mass Spectrometric Method ⁽⁴⁾
20	Cyanide	Distillation, Colorimetric Method ⁽⁴⁾
21	2,4'-DDD	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
22	1,4'-DDD	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
23	2,4'-DDE	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
24	4,4'-DDE	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
25	2,4'-DDT	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
26	4,4'-DDT	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
27	Dieldrin	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
28	Endosulfan Sulfate	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
29	Endosulfan I	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
30	Endosulfan II	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
31	Endrin	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
32	Endrin Aldehyde	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
33	Formaldehyde	Distillation, Colorimetric Method ⁽³⁾
34	Free Chlorine	1) DPD Ferrous Titrimetric Method ⁽⁴⁾ 2) DPD Colorimetric Method ⁽⁴⁾
35	Heptachlor	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
36	Heptachlor Epoxide	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
37	Hexavalent Chromium	Colorimetric Method ⁽⁴⁾
38	3-Hydroxycarbofuran	High-Performance Liquid Chromatographic Method ⁽⁴⁾
39	Lead	1) Digestion, Inductively Coupled Plasma Method ⁽⁴⁾ 2) Digestion, Inductively Coupled Plasma/ Mass Spectrometric Method ⁽⁴⁾

40 Manganese...

ลำดับที่	สารมลพิษ	วิธีวิเคราะห์
40	Manganese	1) Digestion, Inductively Coupled Plasma Method ⁽⁴⁾ 2) Digestion, Inductively Coupled Plasma/ Mass Spectrometric Method ⁽⁴⁾
41	Mercury	1) Digestion, Cold-Vapor Atomic Absorption Spectrometric Method ⁽⁴⁾ 2) Digestion, Inductively Coupled Plasma/ Mass Spectrometric Method ⁽⁴⁾
42	Methiocarb	High-Performance Liquid Chromatographic Method ⁽⁴⁾
43	Methoxychlor	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
44	Methomyl	High-Performance Liquid Chromatographic Method ⁽⁴⁾
45	Nickel	1) Digestion, Inductively Coupled Plasma Method ⁽⁴⁾ 2) Digestion, Inductively Coupled Plasma/ Mass Spectrometric Method ⁽⁴⁾
46	Oil & Grease	1) Liquid-Liquid, Partition-Gravimetric Method ⁽⁴⁾ 2) Soxhlet Extraction Method ⁽⁴⁾
47	Oxamyl	High-Performance Liquid Chromatographic Method ⁽⁴⁾
48	Propoxur	High-Performance Liquid Chromatographic Method ⁽⁴⁾
49	pH	Electrometric Method ⁽⁴⁾
50	Phenols	1) Distillation, Chloroform Extraction Method ⁽⁴⁾ 2) Distillation, Direct Photometric Method ⁽⁴⁾
51	Selenium	1) Digestion, Inductively Coupled Plasma Method ⁽⁴⁾ 2) Digestion, Inductively Coupled Plasma/ Mass Spectrometric Method ⁽⁴⁾
52	Sulfide	Idometric Method ⁽⁴⁾
53	Temperature	Laboratory and Field Methods ⁽⁴⁾
54	Total Dissolved Solids	Dried at 180 °C ⁽⁴⁾
55	Total Kjeldahl Nitrogen	Semi-Micro Kjeldahl Method ⁽⁴⁾
56	Total Phosphorous	Digestion, Colorimetric Method ⁽⁴⁾
57	Total Suspended Solids	Dried from 103-105 °C ⁽⁴⁾
58	Toxaphene	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
59	Trivalent Chromium	1) Digestion, Inductively Coupled Plasma Method; Colorimetric Method; Calculation ⁽⁴⁾ 2) Digestion, Inductively Coupled Plasma/ Mass Spectrometric Method; Colorimetric Method; Calculation ⁽⁴⁾
60	Zinc	1) Digestion, Inductively Coupled Plasma Method ⁽⁴⁾ 2) Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ⁽⁴⁾

น้ำไดออก...

น้ำไดออก จำนวน 126 รายการ

ลำดับที่	สารมลพิษ	วิธีวิเคราะห์
1	Acenaphthene	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
2	Acetone	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
3	Aldrin	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
4	Anthracene	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
5	Antimony	1) Digestion, Inductively Coupled Plasma Method ⁽⁴⁾ 2) Digestion, Inductively Coupled Plasma/ Mass Spectrometric Method ⁽⁴⁾
6	Arsenic	1) Digestion, Inductively Coupled Plasma Method ⁽⁴⁾ 2) Digestion, Inductively Coupled Plasma/ Mass Spectrometric Method ⁽⁴⁾
7	Atrazine	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
8	Barium	1) Digestion, Inductively Coupled Plasma Method ⁽⁴⁾ 2) Digestion, Inductively Coupled Plasma/ Mass Spectrometric Method ⁽⁴⁾
9	Benz(a)anthracene	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
10	Benzene	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
11	Benzo(b)fluoranthene	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
12	Benzo(k)fluoranthene	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
13	Benzoic Acid	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
14	Benzo(a)pyrene	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
15	Benzo(g,h,i)perylene	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
16	Beryllium	1) Digestion, Inductively Coupled Plasma Method ⁽⁴⁾ 2) Digestion, Inductively Coupled Plasma/ Mass Spectrometric Method ⁽⁴⁾
17	Bis(2-chloroethyl)ether	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾

18 Bis(2-ethylhexyl)phthalate...

ลำดับที่	สารมลพิษ	วิธีวิเคราะห์
18	Bis(2-ethylhexyl)phthalate	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
19	Bromodichloromethane	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
20	Bromoform	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
21	Butanol	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
22	Butyl benzyl phthalate	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
23	Cadmium	1) Digestion, Inductively Coupled Plasma Method ⁽⁴⁾ 2) Digestion, Inductively Coupled Plasma/ Mass Spectrometric Method ⁽⁴⁾
24	Carbazole	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
25	Carbon disulfide	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
26	Carbon tetrachloride	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
27	Chlordane	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
28	p-Chloroaniline	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
29	Chlorobenzene	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
30	Chlorodibromomethane	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
31	Chloroform	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
32	2-Chlorophenol	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
33	Chromium	1) Digestion, Inductively Coupled Plasma Method ⁽⁴⁾ 2) Digestion, Inductively Coupled Plasma/ Mass Spectrometric Method ⁽⁴⁾
34	Chromium (III)	1) Digestion, Inductively Coupled Plasma Method; Colorimetric Method; Calculation ⁽⁴⁾ 2) Digestion, Inductively Coupled Plasma/ Mass Spectrometric Method; Colorimetric Method; Calculation ⁽⁴⁾
35	Chromium (VI)	Colorimetric Method ⁽⁴⁾

36 Chrysene...

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ลำดับที่	สารเคมี	วิธีการตรวจ
36	Chrysene	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
37	Cyanide	Distillation, Colorimetric Method ⁽⁴⁾
38	2,4-D	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
39	DDD	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
40	DDE	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
41	DDT	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
42	Dibenz(a,h)anthracene	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
43	Di-n-Butyl Phthalate	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
44	1,2-Dichlorobenzene	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
45	1,3-Dichlorobenzene	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
46	1,4-Dichlorobenzene	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
47	3,3-Dichlorobenzidine	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
48	1,1-Dichloroethane	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
49	1,2-Dichloroethane	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
50	1,1-Dichloroethylene	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
51	cis-1,2-Dichloroethylene	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
52	trans-1,2-Dichloroethylene	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
53	2,4-Dichlorophenol	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
54	1,2-Dichloropropane	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
55	1,3-Dichloropropane	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾

56 1,3-Dichloropropene...

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ลำดับที่	สารเคมี	วิธีการตรวจ
56	1,3-Dichloropropene	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
57	Dieldrin	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
58	Diethyl Phthalate	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
59	2,4-Dimethylphenol	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
60	2,4-Dinitrophenol	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
61	2,4-Dinitrotoluene	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
62	2,6-Dinitrotoluene	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
63	Di-n-octyl phthalate	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
64	Endosulfan	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
65	Endrin	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
66	Ethylbenzene	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
67	Fluoranthene	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
68	Fluorene	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
69	Heptachlor	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
70	Heptachlor epoxide	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
71	Hexachlorobenzene	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
72	Hexachloro-1,3-butadiene	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
73	n-Hexane	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
74	α-HCH	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
75	β-HCH	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾

76 γ-HCH...

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ลำดับที่	สารเคมี	วิธีการตรวจ
76	γ-HCH	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
77	Hexachlorocyclopentadiene	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
78	Hexachloroethane	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
79	Indeno(1,2,3-cd)pyrene	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
80	Isophorone	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
81	Lead	1) Digestion, Inductively Coupled Plasma Method ⁽⁴⁾ 2) Digestion, Inductively Coupled Plasma/ Mass Spectrometric Method ⁽⁴⁾
82	Manganese	1) Digestion, Inductively Coupled Plasma Method ⁽⁴⁾ 2) Digestion, Inductively Coupled Plasma/ Mass Spectrometric Method ⁽⁴⁾
83	Mercury	1) Digestion, Cold Vapor Atomic Absorption Spectrometric Method ⁽⁴⁾ 2) Digestion, Inductively Coupled Plasma/ Mass Spectrometric Method ⁽⁴⁾
84	Methanol	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
85	Methoxychlor	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
86	Methyl bromide	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
87	Methylene chloride	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
88	2-Methylphenol	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
89	2-Methylnaphthalene	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
90	Methyl tert-butyl Ether	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
91	Naphthalene	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
92	Nickel	1) Digestion, Inductively Coupled Plasma Method ⁽⁴⁾ 2) Digestion, Inductively Coupled Plasma/ Mass Spectrometric Method ⁽⁴⁾
93	Nitrobenzene	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾

94 N-Nitrosodiphenylamine...

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ลำดับที่	สารเคมี	วิธีการตรวจ
94	N-Nitrosodiphenylamine	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
95	N-Nitrosodipropylamine	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
96	Polychlorinated Biphenyls - PCB 1016 - PCB 1221 - PCB 1232 - PCB 1242 - PCB 1248 - PCB 1254 - PCB 1260	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
97	Pentachlorophenol	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
98	pH	Electrometric Method ⁽⁴⁾
99	Phenanthrene	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
100	Phenol	1) Distillation, Chloroform Extraction Method ⁽⁴⁾ 2) Distillation, Direct Photometric Method ⁽⁴⁾ 3) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
101	Pyrene	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
102	Selenium	1) Digestion, Inductively Coupled Plasma Method ⁽⁴⁾ 2) Digestion, Inductively Coupled Plasma/ Mass Spectrometric Method ⁽⁴⁾
103	Silver	1) Digestion, Inductively Coupled Plasma Method ⁽⁴⁾ 2) Digestion, Inductively Coupled Plasma/ Mass Spectrometric Method ⁽⁴⁾
104	Styrene	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
105	1,1,2,2-Tetrachloroethane	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
106	Tetrachloroethylene	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
107	Toluene	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
108	Toxaphene	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽⁴⁾
109	TPH (C ₈ -C ₁₀)	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ^(4,23)

110 TPH (C₈-C₁₀)...

ลำดับที่	สารมลพิษ	วิธีวิเคราะห์
110	TPH (C ₁₀ -C ₁₆)	Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^{9,22}
111	TPH (C ₁₆ -C ₃₅)	Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^{9,22}
112	1,2,4-Trichlorobenzene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ⁴¹
113	1,1,1-Trichloroethane	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ⁴¹
114	1,1,2-Trichloroethane	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ⁴¹
115	Trichloroethylene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ⁴¹
116	2,4,5-Trichlorophenol	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁴¹
117	2,4,6-Trichlorophenol	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁴¹
118	1,3,5-Trimethylbenzene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ⁴¹
119	Vanadium	1) Digestion, Inductively Coupled Plasma Method ⁴² 2) Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ⁴¹
120	Vinyl acetate	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ⁴¹
121	Vinyl chloride	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ⁴¹
122	m-Xylene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ⁴¹
123	o-Xylene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ⁴¹
124	p-Xylene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ⁴¹
125	Xylene (Total)	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ⁴¹
126	Zinc	1) Digestion, Inductively Coupled Plasma Method ⁴² 2) Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ⁴¹

จากภาคนี้...

จากภาคนี้ (ปล่องระบาย) จำนวน 28 รายการ

ลำดับที่	สารมลพิษ	วิธีวิเคราะห์
1	Antimony	1) Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method ⁵¹ 2) Isokinetic Sampling, Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ⁵¹
2	Arsenic	1) Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method ⁵¹ 2) Isokinetic Sampling, Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ⁵¹
3	Beryllium	1) Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method ⁵¹ 2) Isokinetic Sampling, Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ⁵¹
4	Cadmium	1) Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method ⁵¹ 2) Isokinetic Sampling, Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ⁵¹
5	Carbon Monoxide	1) Instrumental Analyzer Method ⁵¹ 2) Sampling Bag Non-Dispersive Infrared Method ⁵¹
6	Chlorine	1) Absorption Sampling, Ion Chromatographic Method ⁵¹ 2) Isokinetic Sampling, Ion Chromatographic Method ⁵¹
7	Chromium	1) Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method ⁵¹ 2) Isokinetic Sampling, Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ⁵¹
8	Cobalt	1) Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method ⁵¹ 2) Isokinetic Sampling, Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ⁵¹
9	Copper	1) Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method ⁵¹ 2) Isokinetic Sampling, Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ⁵¹
10	Cresol	Absorption Sampling, Gas Chromatographic Method ⁵¹
11	Dioxins	Isokinetic Sampling ⁵¹
12	Hydrogen Chloride	1) Absorption Sampling, Ion Chromatographic Method ⁵¹ 2) Isokinetic Sampling, Ion Chromatographic Method ⁵¹
13	Hydrogen Fluoride	1) Absorption Sampling, Ion Chromatographic Method ⁵¹ 2) Isokinetic Sampling, Ion Chromatographic Method ⁵¹
14	Hydrogen Sulfide	Absorption Sampling, Iodometric Method ⁵¹

15 Lead...

ลำดับที่	สารมลพิษ	วิธีวิเคราะห์
15	Lead	1) Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method ⁵¹ 2) Isokinetic Sampling, Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ⁵¹
16	Manganese	1) Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method ⁵¹ 2) Isokinetic Sampling, Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ⁵¹
17	Mercury	1) Isokinetic Sampling, Digestion, Cold-Vapor Atomic Absorption Spectrometric Method ⁵¹ 2) Isokinetic Sampling, Digestion, Cold-Vapor Atomic Fluorescence Spectrometric Method ⁵¹
18	Nickel	1) Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method ⁵¹ 2) Isokinetic Sampling, Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ⁵¹
19	Opacity	Ringelmann's Method ⁵¹
20	Oxides of Nitrogen	1) Absorption Sampling, Phenoldisulfonic Acid Method ⁵¹ 2) Absorption Sampling, Alkaline Permanganate/Colorimetric Method ⁵¹ 3) Instrumental Analyzer Method ⁵¹
21	Selenium	1) Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method ⁵¹ 2) Isokinetic Sampling, Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ⁵¹
22	Sulfur Dioxide	1) Absorption Sampling, Barium-Thorin Titrimetric Method ⁵¹ 2) Instrumental Analyzer Method ⁵¹
23	Sulfuric Acid	Isokinetic Sampling, Barium-Thorin Titrimetric Method ⁵¹
24	Tellurium	1) Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method ⁵¹ 2) Isokinetic Sampling, Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ⁵¹
25	Tin	1) Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method ⁵¹ 2) Isokinetic Sampling, Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ⁵¹
26	Total Suspended Particulate	1) Isokinetic Sampling, Gravimetric Method ⁵¹ 2) Paired Train, Isokinetic Sampling, Gravimetric Method ⁵¹

27 Vanadium...

ลำดับที่	สารมลพิษ	วิธีวิเคราะห์
27	Vanadium	1) Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method ⁵¹ 2) Isokinetic Sampling, Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ⁵¹
28	Xylene	Absorption Sampling, Gas Chromatographic Method ⁵¹

สิ่งปลูกสร้างหรือวัสดุที่ไม่ใช่ตัว จำนวน 35 รายการ

ลำดับที่	สารมลพิษ	วิธีวิเคราะห์
1	Aldrin	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^{1,9,24} 2) Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^{10,25} 3) Automated Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^{11,26}
2	Antimony	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^{1,6,16} 2) Waste Extraction, Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ^{1,6,17} 3) Digestion, Inductively Coupled Plasma Method ^{7,18} 4) Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ^{7,19}
3	Arsenic	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^{1,6,16} 2) Waste Extraction, Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ^{1,6,17} 3) Digestion, Inductively Coupled Plasma Method ^{7,1,16} 4) Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ^{7,17}
4	Barium	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^{1,6,16} 2) Waste Extraction, Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ^{1,6,17} 3) Digestion, Inductively Coupled Plasma Method ^{7,1,16} 4) Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ^{7,17}

5 Beryllium...

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ลำดับที่	สารมลพิษ	วิธีวิเคราะห์
5	Beryllium	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(1.6.16) 2) Waste Extraction, Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ^(1.6.17) 3) Digestion, Inductively Coupled Plasma Method ^(7.14) 4) Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ^(7.17)
6	Cadmium	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(1.6.16) 2) Waste Extraction, Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ^(1.6.17) 3) Digestion, Inductively Coupled Plasma Method ^(7.14) 4) Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ^(7.17)
7	Chlordane	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1.9.26) 2) Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(10.26) 3) Automated Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(11.26)
8	Chromium	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(1.6.16) 2) Waste Extraction, Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ^(1.6.17) 3) Digestion, Inductively Coupled Plasma Method ^(7.14) 4) Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ^(7.17)
9	Chromium (III)	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method; Waste Extraction, Colorimetric Method; Calculation Method ^(1.6.16,19) 2) Waste Extraction, Digestion, Inductively Coupled Plasma/Mass Spectrometric Method; Waste Extraction, Colorimetric Method; Calculation Method ^(1.6.17,19) 3) Digestion, Inductively Coupled Plasma Method; Alkaline Digestion, Colorimetric Method; Calculation Method ^(7.16,19) 4) Digestion, Inductively Coupled Plasma/Mass Spectrometric Method; Alkaline Digestion, Colorimetric Method; Calculation Method ^(7.17,19)

10 Chromium (VI)...

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ลำดับที่	สารมลพิษ	วิธีวิเคราะห์
10	Chromium (VI)	1) Waste Extraction, Colorimetric Method ^(1.6.19) 2) Alkaline Digestion, Colorimetric Method ^(8.19)
11	Cobalt	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(1.6.16) 2) Waste Extraction, Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ^(1.6.17) 3) Digestion, Inductively Coupled Plasma Method ^(7.14) 4) Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ^(7.17)
12	Copper	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(1.6.16) 2) Waste Extraction, Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ^(1.6.17) 3) Digestion, Inductively Coupled Plasma Method ^(7.14) 4) Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ^(7.17)
13	2,4-D	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1.9.26) 2) Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(10.26) 3) Automated Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(11.26)
14	DDD	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1.9.26) 2) Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(10.26) 3) Automated Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(11.26)
15	DDE	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1.9.26) 2) Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(10.26) 3) Automated Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(11.26)
16	DDT	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1.9.26)

2) Soxhlet...

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ลำดับที่	สารมลพิษ	วิธีวิเคราะห์
17	Dieldrin	2) Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(10.26) 3) Automated Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(11.26)
18	Endrin	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1.9.26) 2) Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(10.26) 3) Automated Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(11.26)
19	Heptachlor	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1.9.26) 2) Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(10.26) 3) Automated Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(11.26)
20	Lead	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(1.6.16) 2) Waste Extraction, Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ^(1.6.17) 3) Digestion, Inductively Coupled Plasma Method ^(7.14) 4) Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ^(7.17)
21	Lindane	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1.9.26) 2) Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(10.26) 3) Automated Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(11.26)

22 Mercury...

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ลำดับที่	สารมลพิษ	วิธีวิเคราะห์
22	Mercury	1) Waste Extraction, Digestion, Cold-Vapor Atomic Absorption Spectrometric Method ^(1.6.20) 2) Waste Extraction, Digestion, Cold-Vapor Atomic Fluorescence Spectrometric Method ^(1.6.21) 3) Digestion, Cold-Vapor Atomic Absorption Spectrometric Method ^(7.20) 4) Digestion, Cold-Vapor Atomic Fluorescence Spectrometric Method ^(7.21)
23	Methoxychlor	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1.9.26) 2) Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(10.26) 3) Automated Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(11.26)
24	Mirex	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1.9.26) 2) Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(10.26) 3) Automated Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(11.26)
25	Molybdenum	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(1.6.16) 2) Waste Extraction, Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ^(1.6.17) 3) Digestion, Inductively Coupled Plasma Method ^(7.14) 4) Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ^(7.17)
26	Nickel	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(1.6.16) 2) Waste Extraction, Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ^(1.6.17) 3) Digestion, Inductively Coupled Plasma Method ^(7.14) 4) Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ^(7.17)
27	Polychlorinated biphenyls (PCBs) - Aroclor 1016 - Aroclor 1221 - Aroclor 1232 - Aroclor 1242 - Aroclor 1248 - Aroclor 1254 - Aroclor 1260	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1.9.26) 2) Soxhlet Extraction, Gas Chromatographic Method ^(10.26) 3) Automated Soxhlet Extraction, Gas Chromatographic Method ^(11.26)

- 2-Chlorobiphenyl...

ลำดับที่	สารมลพิษ	วิธีวิเคราะห์
28	- 2-Chlorobiphenyl - 2,3-Dichlorobiphenyl - 2,2',5-Trichlorobiphenyl - 2,4',5-Trichlorobiphenyl - 2,2',3,5'-Tetrachlorobiphenyl - 2,2',5,5'-Tetrachlorobiphenyl - 2,3',4,4'-Tetrachlorobiphenyl - 2,2',3,4,5'-Pentachlorobiphenyl - 2,2',4,5,5'-Pentachlorobiphenyl - 2,2',3,4',6-Pentachlorobiphenyl - 2,2',3,4,4',5'-Hexachlorobiphenyl - 2,2',3,4,5,5'-Hexachlorobiphenyl - 2,2',3,5,5',6-Hexachlorobiphenyl - 2,2',4,4',5,5'-Hexachlorobiphenyl - 2,2',3,3',4,4',5-Heptachlorobiphenyl - 2,2',3,4,4',5,5'-Heptachlorobiphenyl - 2,2',3,4,4',5,6-Heptachlorobiphenyl - 2,2',3,4',5,5,6-Heptachlorobiphenyl - 2,2',3,3',4,4',5,6-Nonachlorobiphenyl Pentachlorophenol	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1,9,24) 2) Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1,24) 3) Automated Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1,24) Electrometric Method ^(23,4) 4) Digestion, Inductively Coupled Plasma Method ^(1,6,16) 2) Waste Extraction, Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ^(1,6,17) 3) Digestion, Inductively Coupled Plasma Method ^(7,16) 4) Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ^(7,17)
29	pH	
30	Selenium	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(1,6,16) 2) Waste Extraction, Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ^(1,6,17) 3) Digestion, Inductively Coupled Plasma Method ^(7,16) 4) Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ^(7,17)

31 Silver...

ลำดับที่	สารมลพิษ	วิธีวิเคราะห์
31	Silver	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(1,6,16) 2) Waste Extraction, Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ^(1,6,17) 3) Digestion, Inductively Coupled Plasma Method ^(7,16) 4) Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ^(7,17)
32	Thallium	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(1,6,16) 2) Waste Extraction, Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ^(1,6,17) 3) Digestion, Inductively Coupled Plasma Method ^(7,16) 4) Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ^(7,17)
33	Toxaphene	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1,9,24) 2) Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1,24) 3) Automated Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1,24)
34	Vanadium	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(1,6,16) 2) Waste Extraction, Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ^(1,6,17) 3) Digestion, Inductively Coupled Plasma Method ^(7,16) 4) Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ^(7,17)
35	Zinc	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(1,6,16) 2) Waste Extraction, Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ^(1,6,17) 3) Digestion, Inductively Coupled Plasma Method ^(7,16) 4) Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ^(7,17)

ดิน...

ดิน จำนวน 125 รายการ

ลำดับที่	สารมลพิษ	วิธีวิเคราะห์
1	Acenaphthene	1) Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1,24) 2) Automated Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1,24)
2	Acetone	1) Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^(1,24) 2) Equilibrium Headspace, Gas Chromatographic/Mass Spectrometric Method ^(1,24)
3	Aldrin	1) Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1,24) 2) Automated Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1,24)
4	Anthracene	1) Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1,24) 2) Automated Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1,24)
5	Antimony	1) Digestion, Inductively Coupled Plasma Method ^(7,16) 2) Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ^(7,17)
6	Arsenic	1) Digestion, Inductively Coupled Plasma Method ^(7,16) 2) Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ^(7,17)
7	Atrazine	1) Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1,24) 2) Automated Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1,24)
8	Barium	1) Digestion, Inductively Coupled Plasma Method ^(7,16) 2) Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ^(7,17)
9	Benz(a)anthracene	1) Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1,24) 2) Automated Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1,24)
10	Benzene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^(1,24)

11 Benzo(b)fluoranthene

ลำดับที่	สารมลพิษ	วิธีวิเคราะห์
11	Benzo(b)fluoranthene	1) Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1,24) 2) Automated Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1,24)
12	Benzo(k)fluoranthene	1) Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1,24) 2) Automated Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1,24)
13	Benzoic acid	1) Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1,24) 2) Automated Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1,24)
14	Benzo(a)pyrene	1) Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1,24) 2) Automated Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1,24)
15	Benzo(g,h,i)perylene	1) Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1,24) 2) Automated Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1,24)
16	Beryllium	1) Digestion, Inductively Coupled Plasma Method ^(7,16) 2) Digestion, Inductively Coupled Plasma/Mass Spectrometric Method ^(7,17)
17	Bis(2-chloroethyl)ether	1) Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1,24) 2) Automated Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1,24)
18	Bis(2-ethylhexyl)phthalate	1) Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1,24) 2) Automated Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1,24)
19	Bromodichloromethane	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^(1,24)
20	Bromoform	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^(1,24)
21	Butanol	Equilibrium Headspace, Gas Chromatographic/Mass Spectrometric Method ^(1,24)
22	Butyl Benzyl Phthalate	1) Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1,24) 2) Automated Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1,24)

23 Cadmium...

ลำดับที่	สารเคมี	วิธีวิเคราะห์
23	Cadmium	1) Digestion, Inductively Coupled Plasma Method ^(7,14) 2) Digestion, Inductively Coupled Plasma/ Mass Spectrometric Method ^(7,17)
24	Carbazole	1) Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(10,26) 2) Automated Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(11,26)
25	Carbon Disulfide	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ^(15,25)
26	Carbon tetrachloride	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ^(15,25)
27	Chlordane	1) Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(10,26) 2) Automated Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(11,26)
28	p-Chloroaniline	1) Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(10,26) 2) Automated Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(11,26)
29	Chlorobenzene	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ^(15,25)
30	Chlorodibromomethane	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ^(15,25)
31	Chloroform	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ^(15,25)
32	2-Chlorophenol	1) Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(10,26) 2) Automated Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(11,26)
33	Chromium	1) Digestion, Inductively Coupled Plasma Method ^(7,14) 2) Digestion, Inductively Coupled Plasma/ Mass Spectrometric Method ^(7,17)
34	Chromium (III)	1) Digestion, Inductively Coupled Plasma Method; Alkaline Digestion, Colorimetric Method; Calculation Method ^(7,8,16,19) 2) Digestion, Inductively Coupled Plasma/ Mass Spectrometric Method; Alkaline Digestion, Colorimetric Method; Calculation Method ^(7,8,17,19)
35	Chromium (VI)	Alkaline Digestion, Colorimetric Method ^(8,19)

36 Chrysene...

ลำดับที่	สารเคมี	วิธีวิเคราะห์
36	Chrysene	1) Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(10,26) 2) Automated Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(11,26)
37	Cyanide	Extraction, Distillation, Colorimetric Method ^(27,28,29)
38	2,4-D	1) Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(10,26) 2) Automated Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(11,26)
39	DDD	1) Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(10,26) 2) Automated Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(11,26)
40	DDE	1) Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(10,26) 2) Automated Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(11,26)
41	DDT	1) Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(10,26) 2) Automated Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(11,26)
42	Dibenz(a,h)anthracene	1) Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(10,26) 2) Automated Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(11,26)
43	Di-n-Butyl Phthalate	1) Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(10,26) 2) Automated Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(11,26)
44	1,2-Dichlorobenzene	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ^(15,25)
45	1,3-Dichlorobenzene	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ^(15,25)
46	1,4-Dichlorobenzene	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ^(15,25)
47	3,3-Dichlorobenzidine	1) Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(10,26) 2) Automated Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(11,26)
48	1,1-Dichloroethane	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ^(15,25)

49 1,2-Dichloroethane...

ลำดับที่	สารเคมี	วิธีวิเคราะห์
49	1,2-Dichloroethane	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ^(15,25)
50	1,1-Dichloroethylene	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ^(15,25)
51	cis-1,2-Dichloroethylene	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ^(15,25)
52	trans-1,2-Dichloroethylene	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ^(15,25)
53	2,4-Dichlorophenol	1) Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(10,26) 2) Automated Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(11,26)
54	1,2-Dichloropropane	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ^(15,25)
55	1,3-Dichloropropane	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ^(15,25)
56	1,3-Dichloropropene	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ^(15,25)
57	Dieldrin	1) Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(10,26) 2) Automated Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(11,26)
58	Diethyl Phthalate	1) Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(10,26) 2) Automated Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(11,26)
59	2,4-Dimethylphenol	1) Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(10,26) 2) Automated Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(11,26)
60	2,4-Dinitrophenol	1) Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(10,26) 2) Automated Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(11,26)
61	2,4-Dinitrotoluene	1) Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(10,26) 2) Automated Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(11,26)
62	2,6-Dinitrotoluene	1) Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(10,26) 2) Automated Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(11,26)

63 Di-n-Octyl Phthalate...

ลำดับที่	สารเคมี	วิธีวิเคราะห์
63	Di-n-Octyl Phthalate	1) Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(10,26) 2) Automated Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(11,26)
64	Endosulfan	1) Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(10,26) 2) Automated Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(11,26)
65	Endrin	1) Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(10,26) 2) Automated Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(11,26)
66	Ethylbenzene	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ^(15,25)
67	Fluoranthene	1) Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(10,26) 2) Automated Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(11,26)
68	Fluorene	1) Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(10,26) 2) Automated Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(11,26)
69	Heptachlor	1) Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(10,26) 2) Automated Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(11,26)
70	Heptachlor epoxide	1) Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(10,26) 2) Automated Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(11,26)
71	Hexachlorobenzene	1) Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(10,26) 2) Automated Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(11,26)
72	Hexachloro-1,3-butadiene	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ^(15,25)
73	n-Hexane	1) Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ^(15,25) 2) Equilibrium Headspace, Gas Chromatographic/ Mass Spectrometric Method ⁽¹³⁾

73 n-Hexane...

ลำดับที่	สารมลพิษ	วิธีการตรวจ
84	Methanol	1) Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ^(15,25) 2) Equilibrium Headspace, Gas Chromatographic/ Mass Spectrometric Method ^(13,23)
85	Methoxychlor	1) Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(10,24) 2) Automated Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(11,24)
86	Methyl Bromide	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ^(15,23)
87	Methylene Chloride	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ^(15,23)
88	2-methylphenol	1) Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(16,25) 2) Automated Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(11,24)
89	2-Methylnaphthalene	1) Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(16,25) 2) Automated Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(11,24)
90	Methyl tert-Butyl Ether	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ^(15,23)
91	Naphthalene	1) Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(10,24) 2) Automated Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(11,24)
92	Nickel	1) Digestion, Inductively Coupled Plasma Method ^(7,14) 2) Digestion, Inductively Coupled Plasma/ Mass Spectrometric Method ^(7,17)
93	Nitrobenzene	1) Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(19,20) 2) Automated Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(1,16)
94	N-Nitrosodiphenylamine	1) Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(10,24) 2) Automated Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(1,16)
95	N-Nitrosodi-n-propylamine	1) Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(10,24) 2) Automated Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(1,16)

96 Polychlorinated biphenyls (PCBs)

ลำดับที่	สารพิษ	วิธีวิเคราะห์
99	Phenol	1) Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(10,20) 2) Automated Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(11,26)
100	Pyrene	1) Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(10,20) 2) Automated Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(11,26)
101	Selenium	1) Digestion, Inductively Coupled Plasma Method ^(7,16) 2) Digestion, Inductively Coupled Plasma/ Mass Spectrometric Method ^(7,17)
102	Silver	1) Digestion, Inductively Coupled Plasma Method ^(7,16) 2) Digestion, Inductively Coupled Plasma/ Mass Spectrometric Method ^(7,17)
103	Styrene	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ^(15,23)
104	1,1,2,2-Tetrachloroethane	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ^(15,23)
105	Tetrachloroethylene	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ^(15,23)
106	Toluene	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ^(15,23)
107	Toxaphene	1) Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(10,20) 2) Automated Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(11,26)
108	TPH (C ₅ -C ₆)	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ^(15,23)
109	TPH (C ₈ -C ₁₆)	1) Automate Extraction, Gas Chromatographic Method ^(11,22) 2) Solvent Extraction, Gas Chromatographic Method ^(12,22)
110	TPH (C _{>16} - C ₃₅)	1) Ultrasonic Extraction, Gas Chromatographic Method ^(23,3) 2) Automate Extraction, Gas Chromatographic Method ^(11,22) 3) Solvent Extraction, Gas Chromatographic Method ^(12,22) 3) Ultrasonic Extraction, Gas Chromatographic Method ^(23,3)
111	1,2,4-Trichlorobenzene	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ^(15,23)
112	1,1,1-Trichloroethane	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ^(15,23)
113	1,1,2-Trichloroethane	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ^(15,23)
114	Trichloroethylene	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ^(15,23)

115 2,4,5-Trichlorophenol...

ลำดับที่	สารมลพิษ	วิธีวิเคราะห์
115	2,4,5-Trichlorophenol	1) Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(15,24) 2) Automated Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(15,24)
116	2,4,6-Trichlorophenol	1) Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(15,24) 2) Automated Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(15,24)
117	1,3,5-Trimethylbenzene	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ^(15,25)
118	Vanadium	1) Digestion, Inductively Coupled Plasma Method ^(17,46) 2) Digestion, Inductively Coupled Plasma/ Mass Spectrometric Method ^(17,7)
119	Vinyl Acetate	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ^(15,25)
120	Vinyl Chloride	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ^(15,25)
121	m-Xylene	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ^(15,25)
122	o-Xylene	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ^(15,25)
123	p-Xylene	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ^(15,25)
124	Xylene (Total)	Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ^(15,25)
125	Zinc	1) Digestion, Inductively Coupled Plasma Method ^(17,46) 2) Digestion, Inductively Coupled Plasma/ Mass Spectrometric Method ^(17,7)

เอกสารอ้างอิง

- กระทรวงอุตสาหกรรม, ประกาศกระทรวงอุตสาหกรรม, พ.ศ. 2566, เรื่อง การจัดการสิ่งปฏิกูลหรือวัสดุที่ไม่ใช้แล้ว, ราชกิจจานุเบกษา, 31 พฤษภาคม 2566, เล่มที่ 140 ตอนพิเศษ 126 ง.
- กระทรวงอุตสาหกรรม, ประกาศกระทรวงอุตสาหกรรม, พ.ศ. 2549, เรื่อง กำหนดค่าปริมาณเขม่าควันที่เจือปนในอากาศที่ระบายจากปล่องของหม้อไอน์โรงสีข้าวที่ใช้แก๊สเป็นเชื้อเพลิง, ราชกิจจานุเบกษา, 4 ธันวาคม 2549, เล่มที่ 123 ตอนพิเศษ 125 ง.
- สมาคมวิศวกรรมสิ่งแวดล้อมแห่งประเทศไทย, คู่มือวิเคราะห์น้ำเสีย, พิมพ์ครั้งที่ 4, กรุงเทพมหานคร: เลือนแก้วการพิมพ์, 2547.
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ที่ ๑๓๑๖๓/๒๓/๔๑๑๒

กรมโรงงานอุตสาหกรรม
ถนนพระรามที่ ๖ แขวงทุ่งพญาไท
เขตราชเทวี กรุงเทพฯ ๑๐๕๐๐

๒๕ มีนาคม ๒๕๖๓

เรื่อง เสนอเปลี่ยนแปลงคณะกรรมการเพื่อปฏิบัติการวิเคราะห์

เขื่อน กรมโรงงานอุตสาหกรรม บริษัท เอสแอล แอสโซซิเอตส์ จำกัด (ประเทศไทย) จำกัด

อ้างถึง คำขอขึ้นทะเบียน/ขอขยาย/เปลี่ยนแปลงบุคลากร แผนกนิเทศการเพื่อปฏิบัติการวิเคราะห์เอกชน ลงวันที่ ๒๕ มีนาคม ๒๕๖๓

ตามที่ขอขึ้นทะเบียน/ขอขยาย/เปลี่ยนแปลงบุคลากร แผนกนิเทศการเพื่อปฏิบัติการวิเคราะห์เอกชน ลงวันที่ ๒๕ มีนาคม ๒๕๖๓ สถานที่ตั้งเลขที่ ๑๑๔ ซอยพัฒนาการ ๔๐ ถนนพัฒนาการ แขวงพัฒนาการ เขตสวนหลวง กรุงเทพมหานคร ขอเปลี่ยนแปลงบุคลากร ตามรายละเอียดดังนี้

กรมโรงงานอุตสาหกรรมพิจารณาแล้ว มีความเห็นดังนี้

๑. ให้ยกเลิกเจ้าหน้าที่ประจำห้องปฏิบัติการวิเคราะห์ จำนวน ๓ ราย

๑) นางสาวพรรณธิศา พุ่มทอง ทะเบียนเลขที่ ๖-๒๐๕๔-๑-๐๑๖๕

๒) นายอัษฎ์ สุทธิยะ ทะเบียนเลขที่ ๖-๒๐๕๔-๑-๐๑๓๓

๓) นางสาวศุภมาส ปิณฑะทะ ทะเบียนเลขที่ ๖-๒๐๕๔-๑-๐๑๓๔

๒. ให้เพิ่มเจ้าหน้าที่ห้องปฏิบัติการวิเคราะห์เอกชน จำนวน ๑๒ ราย

๑) นางสาวฐานันท์ กลิ่นเขียว ทะเบียนเลขที่ ๖-๒๐๕๔-๑-๐๑๓๖

๒) นางสาวกัญญ์วิมล สายคำ ทะเบียนเลขที่ ๖-๒๐๕๔-๑-๐๑๓๗

๓) นางสาวณัฐนันท์ กันทะวงศ์ ทะเบียนเลขที่ ๖-๒๐๕๔-๑-๐๑๓๘

๔) นายธีรภัฏ วรชาตนะ ทะเบียนเลขที่ ๖-๒๐๕๔-๑-๐๑๓๙

๕) นายฤทธิเดช ปิณฑะทะ ทะเบียนเลขที่ ๖-๒๐๕๔-๑-๐๑๔๐

๖) นายณัฐกร พงษ์ทะ ทะเบียนเลขที่ ๖-๒๐๕๔-๑-๐๑๔๑

๗) นายวัชรินทร์ ส่องแสงสาม ทะเบียนเลขที่ ๖-๒๐๕๔-๑-๐๑๔๒

๘) นายณัฐพงศ์ โสมทะ ทะเบียนเลขที่ ๖-๒๐๕๔-๑-๐๑๔๓

๙) นายศุภวัฒน์ ปานเพ็ง ทะเบียนเลขที่ ๖-๒๐๕๔-๑-๐๑๔๔

๑๐) นายณัฐเดช ชูชื่น ทะเบียนเลขที่ ๖-๒๐๕๔-๑-๐๑๔๕

๑๑) นายธนกร สุภาพินธุ์ ทะเบียนเลขที่ ๖-๒๐๕๔-๑-๐๑๔๖

๑๒) นายณัฐกร แก้วพวงงัก ทะเบียนเลขที่ ๖-๒๐๕๔-๑-๐๑๔๗

ทั้งนี้ พ.น.ส.๒๕๖๓.๒๕๖๓

อนึ่ง หนังสือฉบับนี้จะหมดอายุพร้อมหนังสือต่ออายุรับขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน
ในวันที่ ๒ กันยายน ๒๕๖๕

จึงเรียนมาเพื่อทราบ

ขอแสดงความนับถือ


(นายพรยศ กสิณกรอง)
รองอธิบดี ปฏิบัติราชการแทน
อธิบดีกรมโรงงานอุตสาหกรรม

กองวิจัยและเตือนภัยมลพิษโรงงาน

กลุ่มมาตรฐานวิธีการวิเคราะห์ทดสอบมลพิษและทะเบียนห้องปฏิบัติการ

โทร. ๐ ๒๔๓๐ ๖๓๑๒ ต่อ ๒๑๐๓-๕

โทรสาร ๐ ๒๔๓๐ ๖๓๑๒ ต่อ ๒๑๐๔

แฟกซ์ ๐ ๒๔๓๐ ๖๓๑๒ ต่อ ๒๑๐๔

ไปรษณีย์อิเล็กทรอนิกส์ sarabon@w.mail.go.th



"อุตสาหกรรมก้าวหน้า ประเทศไทยก้าวหน้า ร่วมกันพัฒนา อุตสาหกรรมสีเขียว"



ที่ อก ๐๓๑๖(๑)/๑๒๓๖.๘.1

กรมโรงงานอุตสาหกรรม
ถนนพระรามที่ ๖ แขวงทุ่งพญาไท
เขตราชเทวี กรุงเทพฯ ๑๐๕๐๐

๑๘ ธันวาคม ๒๕๖๔

เรื่อง ยกเลิกบุคลากรของห้องปฏิบัติการวิเคราะห์

เรียน กรรมการผู้จัดการ บริษัท เอแอลเอส แลบลอรัทอรี กรุ๊ป (ประเทศไทย) จำกัด

อ้างถึง คำขอขึ้นทะเบียน/ต่ออายุ/เปลี่ยนแปลงบุคลากร และขอขึ้นสถานะห้องปฏิบัติการวิเคราะห์เอกชน
ลงวันที่ ๒ ธันวาคม ๒๕๖๓

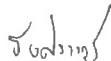
ตามคำขอที่อ้างถึง บริษัท เอแอลเอส แลบลอรัทอรี กรุ๊ป (ประเทศไทย) จำกัด ห้องปฏิบัติการ
วิเคราะห์เอกชน เลขทะเบียน ๖-๒๐๑๔-๑-๐๐๔๔ ขอพัฒนาการ ๕๐ ถนนพัฒนาการ แขวงพัฒนาการ
เขตสวนหลวง กรุงเทพมหานคร ขอยกเลิกบุคลากร ความละเอียดแจ้งแล้ว นั้น

กรมโรงงานอุตสาหกรรมพิจารณาแล้ว ไม่ยกเลิกเจ้าหน้าที่ประจำห้องปฏิบัติการวิเคราะห์
จำนวน ๘ ราย ได้แก่

๑) นายประพนธ์ วรรณชูชัย	ทะเบียนเลขที่ ๖ ๒๐๑๔-๑-๐๐๖๐
๒) นายจิรณัฐ ขาวละออ	ทะเบียนเลขที่ ๖ ๒๐๑๔-๑-๐๐๓๒
๓) นายพิรพัฒน์ กำคำ	ทะเบียนเลขที่ ๖ ๒๐๑๔-๑ ๐๑๐๘
๔) นางสาวอรรษา คำคำสิง	ทะเบียนเลขที่ ๖ ๒๐๑๔-๑-๐๑๓๔
๕) นายกิตติพงศ์ แซ่ลี	ทะเบียนเลขที่ ๖ ๒๐๑๔-๑ ๐๑๔๔
๖) นายจิรณะ ประเสริฐศิริพงศ์	ทะเบียนเลขที่ ๖ ๒๐๑๔-๑-๐๑๖๐
๗) นายภัทรพงษ์ มณฑาทอง	ทะเบียนเลขที่ ๖ ๒๐๑๔-๑-๐๑๖๗
๘) นางสาวจรรวริน กระจำพันธุ์	ทะเบียนเลขที่ ๖ ๒๐๑๔ ๑ ๐๑๘๑

จึงเรียนมาเพื่อทราบ

ขอแสดงความนับถือ


(นายธีรทัศน์ อิศรางกูร ณ อยุธยา)
รองอธิบดี ปฏิบัติราชการแทน
อธิบดีกรมโรงงานอุตสาหกรรม

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โทร. ๐ ๒๔๓๐ ๖๓๑๒ ต่อ ๒๑๐๓-๕

โทรสาร ๐ ๒๔๓๐ ๖๓๑๒ ต่อ ๒๑๐๔

ไปรษณีย์อิเล็กทรอนิกส์ sarabon@w.mail.go.th



"อุตสาหกรรมก้าวหน้า ประเทศไทยก้าวหน้า ร่วมกันพัฒนา อุตสาหกรรมสีเขียว"

