

ภาคผนวก ค

ใบรับรองผลการตรวจวิเคราะห์



Analysis / Test Report

Client : BASF (Thai) Limited
111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Pluakdaeng, Amphur
Pluakdaeng, Rayong Thailand 21140
P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2646570
Date Received :Jun 12, 2026
Date Reported :Jun 24, 2026
Report Number :3583287-1

Page 1 of 1

Sample Number	2646570-1
Sample Description	Emission from Stationary Source
Location	Boiler Stack
Sampled Date	Jun 12, 2026

Stack Description					
Ambient Temperature	29.8 °C	Diameter	0.49 m	Oxygen	5.65 %
Ambient Pressure	753 mmHg	Shape	Circle	Carbon dioxide	8.57 %
Type of Process	Combustion	Stack Temperature	153 °C	Gas Velocity	2.74 m/s
Type of Fuel	Natural Gas	Moisture	13.25 %	Flow Rate	1118 Nm3/hr

Run No.	Sampling Time	Oxygen (%)	Carbon Dioxide (%)	Oxides of Nitrogen (ppm)		Nitrogen Dioxide (ppm)	
				at Actual O ₂	at 7% O ₂	at Actual O ₂	at 7% O ₂
1	11:25 AM - 11:45 AM	5.75	8.52	50.90	46.69	2.44	2.24
2	11:46 AM - 12:06 PM	5.67	8.56	50.91	46.47	2.59	2.36
3	12:07 PM - 12:27 PM	5.55	8.63	50.50	45.72	2.73	2.47
Average (ppm)		5.65	8.57	50.77	46.29	2.58	2.36
Guideline ⁽¹⁾ (ppm)		-	-	-	100	-	-
Guideline ⁽²⁾ (ppm)		-	-	-	200	-	-
Result (mg/Nm ³)		-	-	95.52	87.10	4.86	4.43
Emission Rate at Actual O ₂ (g/s)		-	-	0.030 *		0.002 *	
Guideline ⁽¹⁾ (g/s)		-	-	0.097		-	
Method		US EPA (2017) Method 3A		US EPA (2020) Method 7E			

Guideline : ¹Environmental Impact Assessment Report of BASF (Thai) Limited
²Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Remark : - "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte (s) marked * is/ae not included in scope of Accreditation ISO/IEC 17025.

Sampled By 
Naratip Theuekchakam
RYG Field Services Scientist (1)
หมายเลขประจำตัว-204-ก-0003

Approved by 
Sarayuth Jitranont
Assistant General Manager
หมายเลขประจำตัว-204-ก-0003

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Analysis / Test Report

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111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Pluakdaeng, Amphur
Pluakdaeng, Rayong Thailand 21140
P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2646573
Date Received :Jun 12, 2026
Date Reported :Jun 24, 2026
Report Number :3583303-1

Page 1 of 1

Sample Number	2646573-1
Sample Description	Emission from Stationary Source
Location	Scrubber Stack
Sampled Date	Jun 12, 2026

Stack Description					
Ambient Temperature	29.8 °C	Diameter	1.59 m	Oxygen	18.96 %
Ambient Pressure	753 mmHg	Shape	Circle	Carbon dioxide	0.95 %
Type of Process	Process	Stack Temperature	58 °C	Gas Velocity	12.41 m/s
Type of Fuel	-	Moisture	13.21 %	Flow Rate	68672 Nm3/hr

Run No.	Sampling Time	Oxygen (%)	Carbon Dioxide (%)	Oxides of Nitrogen (ppm)		Nitrogen Dioxide (ppm)	
				at Actual O ₂	at 7% O ₂	at Actual O ₂	at 7% O ₂
1	01:40 PM - 02:00 PM	18.97	0.95	1.20	8.66	0.77	5.56
2	02:01 PM - 02:21 PM	18.96	0.95	1.17	8.37	0.76	5.46
3	02:22 PM - 02:42 PM	18.95	0.95	1.12	8.00	0.76	5.40
Average (ppm)		18.96	0.95	1.16	8.34	0.76	5.47
Guideline ⁽¹⁾ (ppm)		-	-	4.3	-	-	-
Guideline ⁽²⁾ (ppm)		-	-	-	-	-	-
Result (mg/Nm ³)		-	-	2.19	15.70	1.44	10.30
Emission Rate at Actual O ₂ (g/s)		-	-	0.042 *		0.027 *	
Guideline ⁽¹⁾ (g/s)		-	-	0.154		-	
Method		US EPA (2017) Method 3A		US EPA (2020) Method 7E			

Guideline : ¹Environmental Impact Assessment Report of BASF (Thai) Limited
²Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

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Sampled By 
Naratip Theuekchakam
RYG Field Services Scientist (1)
หมายเลขประจำตัว-204-ก-0003

Approved by 
Sarayuth Jitranont
Assistant General Manager
หมายเลขประจำตัว-204-ก-0003

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Analysis / Test Report

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111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Pluakdaeng, Amphur
Pluakdaeng, Rayong Thailand 21140
P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2646574
Date Received : Jun 12, 2026
Date Reported : Jul 06, 2026
Report Number : 3583316-2

Page 1 of 2

Sample Number	2646574-1
Sampled Date	Jun 12, 2026
Sample Description	Emission from Stationary Source
Location	Scrubber Stack
Date Analysis Commenced	Jun 15, 2026
Condition of Sample	Extracted into one filter paper placed in plastic petri dish, one 10-L air sampling bag and two sorbent tubes, refrigerated

Stack Description					
Ambient Pressure	753 mmHg	Diameter	1.59 m	Oxygen	19.0 %
Ambient Temperature	29.8 °C	Shape	Circle	Carbon Dioxide	1.0 %
Type of Process	Process	Stack Temperature	58.0 °C	Gas Velocity	12.4 m/s
Type of Fuel	-	Moisture	13.39 %	Flow Rate (Actual O ₂)	68633 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Acrylic Acid	01:40 PM - 01:55 PM	ppm	-	1.0	<1.0	-	2.0	Based on OSHA, ID 28	Bangkok
Propylene glycol	01:40 PM - 01:55 PM	ppm	-	1.00	<1.00	-	-	U.S. Environmental Protection Agency, EPA Method 18	Bangkok
Total VOCs as Propane	02:00 PM - 02:10 PM	ppm	-	1.0	17.5	-	-	U.S. Environmental Protection Agency, EPA Method 25A	Bangkok

Guideline : Guideline (1) Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)
Guideline (2) Environmental Impact Assessment Report of BASF (Thai) Limited.

Approved by 
Saranya Chalerthamrong
Scientist (4)

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Analysis / Test Report

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Pluakdaeng, Rayong Thailand 21140
P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2646574
Date Received : Jun 12, 2026
Date Reported : Jul 06, 2026
Report Number : 3583316-2

Page 2 of 2

Sample Number	2646574-1
Sampled Date	Jun 12, 2026
Sample Description	Emission from Stationary Source
Location	Scrubber Stack
Date Analysis Commenced	Jun 15, 2026
Condition of Sample	Extracted into one filter paper placed in plastic petri dish, one 10-L air sampling bag and two sorbent tubes, refrigerated

Stack Description					
Ambient Pressure	753 mmHg	Diameter	1.59 m	Oxygen	19.0 %
Ambient Temperature	29.8 °C	Shape	Circle	Carbon Dioxide	1.0 %
Type of Process	Process	Stack Temperature	58.0 °C	Gas Velocity	12.4 m/s
Type of Fuel	-	Moisture	13.39 %	Flow Rate (Actual O ₂)	68633 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Acrylic Acid	01:40 PM - 01:55 PM	g/s	-	-	<0.02	-	0.112	Calculated	Bangkok
Propylene glycol		g/s	-	-	<0.06	-	-	Calculated	Bangkok
Total VOCs as Propane	02:00 PM - 02:10 PM	g/s	-	-	0.49	-	-	Calculated	Bangkok

Guideline : Guideline (1) Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)
Guideline (2) Environmental Impact Assessment Report of BASF (Thai) Limited.

Sampling By : Jittakorn Sriwasa , Naratip Theuekchakam

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by 
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Analysis / Test Report



TESTING
No.0042

Client : BASF (Thai) Limited
111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Pluakdaeng, Amphur Pluakdaeng, Rayong Thailand 21140
P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2646563
Date Received : Jun 12, 2026
Date Reported : Jun 26, 2026
Report Number: 3583276-1

Page 1 of 2

Sample Number	2646563-1						
Sampled Date	Jun 12, 2026						
Sample Description	Emission from Stationary Source						
Location	Process Baghouse Stack (GPS 47P 0733140, 1438817)						
Date Analysis Commenced	Jun 16, 2026						
Condition of Sample	Extracted into one filter paper placed in plastic petri dish, one plastic bottle and one 10-L air sampling bag						

Stack Description									
Ambient Pressure	753	mmHg	Diameter	0,50 x 0,45	m	Oxygen	20,9	%	
Ambient Temperature	29,8	°C	Shape	Rectangular		Carbon Dioxide	0,0	%	
Type of Process	Process		Stack Temperature	95,0	°C	Gas Velocity	23,1	m/s	
Type of Fuel	-		Moisture	3,03	%	Flow Rate (Actual O2)	14537	Nm3/hr	

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate	10:30 AM - 11:20 AM	mg/m3	-	0,5	<0,5	400	53,3	U.S. Environmental Protection Agency 40 CFR method 5, Appendix A, December 7, 2020 (Include sampling)	Rayong

Guideline : Guideline (1) Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)
Guideline (2) Environmental Impact Assessment Report of BASF (Thai) Limited.

Technical Management

Thanitak.

Thanita Kulsuriwong
Scientist (4)
หมายเลข 7-323-0-0029

Approved by

D. Chongchon

Dej Chongchon
Senior Manager
หมายเลข 7-323-0-0001

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Analysis / Test Report



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P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2646563
Date Received : Jun 12, 2026
Date Reported : Jun 26, 2026
Report Number: 3583276-1

Page 2 of 2

Sample Number	2646563-1						
Sampled Date	Jun 12, 2026						
Sample Description	Emission from Stationary Source						
Location	Process Baghouse Stack (GPS 47P 0733140, 1438817)						
Date Analysis Commenced	Jun 16, 2026						
Condition of Sample	Extracted into one filter paper placed in plastic petri dish, one plastic bottle and one 10-L air sampling bag						

Stack Description									
Ambient Pressure	753	mmHg	Diameter	0,50 x 0,45	m	Oxygen	20,9	%	
Ambient Temperature	29,8	°C	Shape	Rectangular		Carbon Dioxide	0,0	%	
Type of Process	Process		Stack Temperature	95,0	°C	Gas Velocity	23,1	m/s	
Type of Fuel	-		Moisture	3,03	%	Flow Rate (Actual O2)	14537	Nm3/hr	

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate *	10:30 AM - 11:20 AM	g/s	-	-	<0,002	-	0,206	Calculated		Rayong

Guideline : Guideline (1) Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)
Guideline (2) Environmental Impact Assessment Report of BASF (Thai) Limited.

Sampling By : Sutdamrong Chokpitinan หมายเลข 7-323-0-0037

Remark :

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Technical Management

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Approved by

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Analysis / Test Report



TESTING
No.0042

Client : BASF (Thai) Limited
111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Pluakdaeng, Amphur Pluakdaeng, Rayong Thailand 21140
P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2646567
Date Received : Jun 12, 2026
Date Reported : Jun 19, 2026
Report Number: 3583283-1

Page 1 of 2

Sample Number	2646567-1						
Sampled Date	Jun 12, 2026						
Sample Description	Emission from Stationary Source						
Location	Packaging Baghouse Stack (GPS 47P 0733163, 1438822)						
Date Analysis Commenced	Jun 16, 2026						
Condition of Sample	Extracted into one filter paper placed in plastic petri dish, one plastic bottle and one 10-L air sampling bag						

Stack Description									
Ambient Pressure	753	mmHg	Diameter	0,45 x 0,35	m	Oxygen	20,9	%	
Ambient Temperature	29,8	°C	Shape	Rectangular		Carbon Dioxide	0,0	%	
Type of Process	Process		Stack Temperature	45,0	°C	Gas Velocity	7,8	m/s	
Type of Fuel	-		Moisture	3,01	%	Flow Rate (Actual O2)	4006	Nm3/hr	

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate	11:30 AM - 12:20 PM	mg/m3	-	0,5	<0,5	400	45,0	U.S. Environmental Protection Agency 40 CFR method 5, Appendix A, December 7, 2020 (Include sampling)	Rayong

Guideline : Guideline (1) Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)
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Analysis / Test Report



TESTING
No.0042

Client : BASF (Thai) Limited
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P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2646567
Date Received : Jun 12, 2026
Date Reported : Jun 19, 2026
Report Number: 3583283-1

Page 2 of 2

Sample Number	2646567-1						
Sampled Date	Jun 12, 2026						
Sample Description	Emission from Stationary Source						
Location	Packaging Baghouse Stack (GPS 47P 0733163, 1438822)						
Date Analysis Commenced	Jun 16, 2026						
Condition of Sample	Extracted into one filter paper placed in plastic petri dish, one plastic bottle and one 10-L air sampling bag						

Stack Description									
Ambient Pressure	753	mmHg	Diameter	0,45 x 0,35	m	Oxygen	20,9	%	
Ambient Temperature	29,8	°C	Shape	Rectangular		Carbon Dioxide	0,0	%	
Type of Process	Process		Stack Temperature	45,0	°C	Gas Velocity	7,8	m/s	
Type of Fuel	-		Moisture	3,01	%	Flow Rate (Actual O2)	4006	Nm3/hr	

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate *	11:30 AM - 12:20 PM	g/s	-	-	<0,001	-	0,063	Calculated		Rayong

Guideline : Guideline (1) Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)
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Sampling By : Sutdamrong Chokpitinan หมายเลข 7-323-0-0037

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หมายเลข 7-323-0-0029

Approved by

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Analysis / Test Report

Client : BASF (Thai) Limited

111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Pluakdaeng, Amphur Pluakdaeng, Rayong Thailand 21140

P/O : 4995744917

Project Name : Monitoring

Project Location :

Lot ID: 2646601

Date Received : Jun 17, 2026

Date Reported : Jun 23, 2026

Report Number: 3603371-1

Page 1 of 1

Sample Description Air Quality

Location ตำบลปลวกแดง (GPS 47P 0733097, 1439770)

Parameter Nitrogen dioxide (ppb)

Measurement Date Jun 08, 2026 - Jun 15, 2026

Measurement by Chatchai Sukpia

Time	2646601-1 Jun 08, 2026	2646601-2 Jun 09, 2026	2646601-3 Jun 10, 2026	2646601-4 Jun 11, 2026	2646601-5 Jun 12, 2026	2646601-6 Jun 13, 2026	2646601-7 Jun 14, 2026
12:00 PM - 01:00 PM	5.1	3.7	4.9	6.3	5.9	5.7	7.0
01:00 PM - 02:00 PM	4.6	4.1	5.1	6.4	7.1	4.3	6.0
02:00 PM - 03:00 PM	5.7	3.2	4.1	4.5	5.1	7.5	7.8
03:00 PM - 04:00 PM	4.3	2.6	3.2	4.5	3.1	4.3	6.5
04:00 PM - 05:00 PM	6.4	4.0	2.5	3.0	3.3	5.4	4.0
05:00 PM - 06:00 PM	4.8	2.1	2.6	5.6	3.4	6.3	3.3
06:00 PM - 07:00 PM	4.3	2.0	3.5	2.8	3.2	3.4	4.9
07:00 PM - 08:00 PM	2.6	1.3	2.6	1.4	3.9	6.0	5.8
08:00 PM - 09:00 PM	3.0	1.8	1.8	1.3	5.9	3.7	6.0
09:00 PM - 10:00 PM	1.8	1.6	1.8	1.5	7.1	5.5	6.4
10:00 PM - 11:00 PM	1.2	1.5	1.2	1.8	5.9	4.4	5.8
11:00 PM - 12:00 AM	1.8	1.5	1.5	1.7	6.4	5.1	4.1
12:00 AM - 01:00 AM	3.9	1.8	1.9	1.6	6.5	4.5	6.2
01:00 AM - 02:00 AM	4.9	1.8	2.5	1.2	5.8	2.9	4.9
02:00 AM - 03:00 AM	5.0	2.5	5.0	2.8	5.9	4.8	4.1
03:00 AM - 04:00 AM	3.6	3.6	4.1	7.2	5.7	6.4	6.7
04:00 AM - 05:00 AM	3.2	4.1	4.0	7.1	5.4	4.8	5.0
05:00 AM - 06:00 AM	3.0	2.7	4.2	5.5	4.3	6.6	6.1
06:00 AM - 07:00 AM	2.5	3.4	3.9	7.0	4.3	4.8	6.7
07:00 AM - 08:00 AM	3.0	3.9	3.8	5.8	2.8	5.0	5.2
08:00 AM - 09:00 AM	2.1	4.4	3.1	6.8	3.0	6.4	5.3
09:00 AM - 10:00 AM	3.1	5.0	4.4	1.3	4.9	6.0	5.1
10:00 AM - 11:00 AM	3.4	5.0	4.0	5.1	4.3	7.4	4.6
11:00 AM - 12:00 PM	3.3	5.4	3.8	3.4	4.7	5.9	5.1
Average	3.6	3.0	3.3	4.0	4.9	5.3	5.5
1hr - Maximum	6.4	5.4	5.1	7.2	7.1	7.5	7.8
Standard 1hr - Average	120	120	120	120	120	120	120

Standard : Notification of the National Environment Board B.E. 2569.

Reference Method : U.S. Environmental Protection Agency Method Part 50 App. F. (Chemiluminescence)

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

Approved by

Orawan R.
Orawan Rakyoung
Scientist (3)

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Analysis / Test Report

Client : BASF (Thai) Limited

111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Pluakdaeng, Amphur Pluakdaeng, Rayong Thailand 21140

P/O : 4995744917

Project Name : Monitoring

Project Location :

Lot ID: 2646601

Date Received : Jun 17, 2026

Date Reported : Jun 23, 2026

Report Number: 3603372-1

Page 1 of 1

Sample Description Air Quality

Location ตำบลปลวกแดง (GPS 47P 0728363, 1441336)

Parameter Nitrogen dioxide (ppb)

Measurement Date Jun 08, 2026 - Jun 15, 2026

Measurement by Chatchai Sukpia

Time	2646601-8 Jun 08, 2026	2646601-9 Jun 09, 2026	2646601-10 Jun 10, 2026	2646601-11 Jun 11, 2026	2646601-12 Jun 12, 2026	2646601-13 Jun 13, 2026	2646601-14 Jun 14, 2026
11:00 AM - 12:00 PM	11.8	10.4	11.6	9.8	17.6	14.7	10.0
12:00 PM - 01:00 PM	9.8	10.7	10.1	9.6	19.5	13.1	8.3
01:00 PM - 02:00 PM	4.4	11.0	10.0	11.8	13.4	10.7	8.2
02:00 PM - 03:00 PM	8.8	12.3	4.6	9.1	13.2	8.6	8.2
03:00 PM - 04:00 PM	11.1	10.9	9.4	9.5	16.3	9.2	11.4
04:00 PM - 05:00 PM	12.3	9.9	8.5	8.2	12.7	9.0	19.3
05:00 PM - 06:00 PM	14.0	14.8	8.2	13.0	21.5	19.0	12.1
06:00 PM - 07:00 PM	15.4	11.1	7.5	8.4	19.5	13.1	12.1
07:00 PM - 08:00 PM	14.3	9.5	7.8	12.2	14.4	14.6	12.6
08:00 PM - 09:00 PM	13.7	9.4	12.1	22.5	12.4	12.4	14.7
09:00 PM - 10:00 PM	11.0	10.2	8.9	17.6	12.3	15.4	15.2
10:00 PM - 11:00 PM	10.1	9.5	10.5	13.3	15.9	13.7	9.9
11:00 PM - 12:00 AM	10.7	9.6	10.7	13.7	13.4	15.9	9.2
12:00 AM - 01:00 AM	11.2	9.9	14.6	16.2	15.9	16.5	14.3
01:00 AM - 02:00 AM	10.7	9.7	14.0	11.2	22.0	17.2	13.5
02:00 AM - 03:00 AM	12.8	9.5	11.8	11.0	16.7	12.2	16.3
03:00 AM - 04:00 AM	12.0	10.2	14.0	12.2	15.4	12.7	13.9
04:00 AM - 05:00 AM	13.0	11.9	12.4	11.3	13.5	11.6	16.8
05:00 AM - 06:00 AM	11.3	12.7	12.2	13.9	11.5	15.0	17.9
06:00 AM - 07:00 AM	10.9	12.7	11.5	14.0	14.7	14.4	17.2
07:00 AM - 08:00 AM	11.5	13.2	13.3	15.9	13.6	12.9	12.1
08:00 AM - 09:00 AM	13.0	14.3	16.0	16.3	15.6	14.4	15.3
09:00 AM - 10:00 AM	12.2	13.3	15.3	15.4	12.4	15.4	13.9
10:00 AM - 11:00 AM	11.3	12.1	10.8	11.5	13.7	12.8	13.1
Average	11.6	11.2	11.1	12.8	15.3	13.5	13.1
1hr - Maximum	15.4	14.8	16.0	22.5	22.0	19.0	19.3
Standard 1hr - Average	120	120	120	120	120	120	120

Standard : Notification of the National Environment Board B.E. 2569.

Reference Method : U.S. Environmental Protection Agency Method Part 50 App. F. (Chemiluminescence)

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

Approved by

Orawan R.
Orawan Rakyoung
Scientist (3)

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S:\Reports_Air SoHNOx.rpt (7.26AM)



Analysis / Test Report

Client : BASF (Thai) Limited

111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Pluakdaeng, Amphur Pluakdaeng, Rayong Thailand 21140

P/O : 4995744917

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 2646606

Date Received : Jun 16, 2026

Date Reported : Jun 19, 2026

Report Number: 3583359-1

Page 1 of 1

Sample Description Air Quality

Location ตำบลปลวกแดง (GPS 47P 0733097, 1439770)

Date Analysis Commenced Jun 17, 2026

Condition of Sample Drawn into one glass filter paper (8x10 inch) placed in plastic bag

Sample Number	Sampled Date	Sampling Condition Pressure (mm Hg) Temperature (°C)	Total Suspended Particulate (ug/m3)
2646606-1	Jun 08 - Jun 09, 2026	757 30.2	28.8
2646606-2	Jun 09 - Jun 10, 2026	757 30.4	33.6
2646606-3	Jun 10 - Jun 11, 2026	757 29.5	32.7
2646606-4	Jun 11 - Jun 12, 2026	757 29.3	26.1
2646606-5	Jun 12 - Jun 13, 2026	757 30.0	30.6
2646606-6	Jun 13 - Jun 14, 2026	757 30.2	33.6
2646606-7	Jun 14 - Jun 15, 2026	757 30.6	28.9

Guideline

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

Guideline : Notification of the National Environmental Board, 2026 (B.E.2569) dated January 21, 2026.

Sampled By : Chatchai Sukpia

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

Approved by

Thanitak.
Thanita Kulsuriwong
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Analysis / Test Report

Client : BASF (Thai) Limited

111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Pluakdaeng, Amphur Pluakdaeng, Rayong Thailand 21140

P/O : 4995744917

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 2646606

Date Received : Jun 16, 2026

Date Reported : Jun 19, 2026

Report Number: 3583359-2

Page 1 of 1

Sample Description Air Quality

Location ตำบลปลวกแดง (GPS 47P 0728363, 1441336)

Date Analysis Commenced Jun 17, 2026

Condition of Sample Drawn into one glass filter paper (8x10 inch) placed in plastic bag

Sample Number	Sampled Date	Sampling Condition Pressure (mm Hg) Temperature (°C)	Total Suspended Particulate (ug/m3)
2646606-8	Jun 08 - Jun 09, 2026	757 30.2	40.9
2646606-9	Jun 09 - Jun 10, 2026	757 30.4	37.6
2646606-10	Jun 10 - Jun 11, 2026	757 29.5	43.1
2646606-11	Jun 11 - Jun 12, 2026	757 29.3	38.0
2646606-12	Jun 12 - Jun 13, 2026	757 30.0	50.2
2646606-13	Jun 13 - Jun 14, 2026	757 30.2	49.1
2646606-14	Jun 14 - Jun 15, 2026	757 30.6	45.8

Guideline

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

Guideline : Notification of the National Environmental Board, 2026 (B.E.2569) dated January 21, 2026.

Sampled By : Chatchai Sukpia

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

Approved by

Thanitak.
Thanita Kulsuriwong
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Analysis / Test Report

Client : BASF (Thai) Limited

111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Pluakdaeng, Amphur Pluakdaeng, Rayong Thailand 21140

P/O : 4995744917

Project Name : Monitoring

Project Location :

Sample Number : 2646608-1 to 7
Parameter : Wind Speed / Wind Direction
Location : พื้นที่โรงงาน (GPS 47P 0733222, 1438992)
Sampling Date : Jun 08 - Jun 15, 2026
Sampling by : Chatchai Sukpia

Time	Jun 08 - Jun 09, 2026		Jun 09 - Jun 10, 2026		Jun 10 - Jun 11, 2026		Jun 11 - Jun 12, 2026		Jun 12 - Jun 13, 2026		Jun 13 - Jun 14, 2026		Jun 14 - Jun 15, 2026	
	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)
10:00 AM - 11:00 AM	5.1	209.0	SSW	3.7	278.0	W	1.3	253.0	WSW	3.2	270.0	W	0.6	187.0
11:00 AM - 12:00 PM	5.4	256.0	WSW	2.2	261.0	W	3.1	226.0	SW	3.0	245.0	WNW	1.8	292.0
12:00 PM - 01:00 PM	1.0	166.0	SSE	3.9	239.0	WSW	3.4	274.0	W	4.0	230.0	SW	2.5	201.0
01:00 PM - 02:00 PM	3.8	289.0	WNW	2.0	288.0	WNW	2.5	286.0	WNW	5.9	243.0	WSW	2.1	248.0
02:00 PM - 03:00 PM	2.1	293.0	WNW	1.6	271.0	W	0.6	215.0	SW	1.4	281.0	W	1.6	247.0
03:00 PM - 04:00 PM	3.5	248.0	WSW	2.6	291.0	WNW	2.6	273.0	W	0.5	300.0	WNW	1.1	198.0
04:00 PM - 05:00 PM	2.0	247.0	WSW	4.3	269.0	W	1.1	196.0	SSW	0.0	-	-	0.8	188.0
05:00 PM - 06:00 PM	0.8	281.0	W	4.4	228.0	SW	0.2	-	0.0	-	-	0.8	129.0	SE
06:00 PM - 07:00 PM	1.6	256.0	WSW	2.5	186.0	S	1.1	264.0	W	2.4	138.0	SE	1.0	138.0
07:00 PM - 08:00 PM	0.0	-	-	2.1	185.0	S	0.0	-	0.0	-	-	0.0	-	0.0
08:00 PM - 09:00 PM	0.0	-	-	1.8	211.0	SSW	0.9	277.0	W	1.4	117.0	ESE	0.0	-
09:00 PM - 10:00 PM	0.7	229.0	SW	1.6	199.0	SSE	0.0	-	1.6	109.0	ESE	0.0	-	1.6
10:00 PM - 11:00 PM	0.4	258.0	WSW	2.8	248.0	WSW	0.8	194.0	S	1.6	163.0	SSE	0.0	-
11:00 PM - 12:00 AM	0.0	-	-	2.4	256.0	WSW	0.0	-	1.1	146.0	SE	0.3	292.0	WNW
12:00 AM - 01:00 AM	0.5	130.0	SE	2.1	255.0	WSW	0.0	-	0.6	144.0	SE	0.0	-	0.0
01:00 AM - 02:00 AM	0.0	-	-	1.6	250.0	WSW	0.0	-	1.2	248.0	WSW	0.0	-	0.0
02:00 AM - 03:00 AM	0.0	-	-	1.6	209.0	SSW	1.3	138.0	SE	0.9	176.0	S	0.0	-
03:00 AM - 04:00 AM	0.0	-	-	1.7	214.0	SW	1.1	67.0	ENE	1.2	242.0	WSW	0.4	293.0
04:00 AM - 05:00 AM	0.6	266.0	W	0.0	-	-	0.0	-	1.1	228.0	SW	2.0	280.0	W
05:00 AM - 06:00 AM	0.7	170.0	S	1.2	180.0	S	0.2	-	2.2	236.0	WSW	2.4	272.0	W
06:00 AM - 07:00 AM	0.5	244.0	WSW	2.4	188.0	S	2.2	252.0	WSW	0.3	126.0	SE	1.9	322.0
07:00 AM - 08:00 AM	4.1	227.0	SW	3.1	259.0	W	0.4	223.0	SW	4.1	290.0	WSW	2.0	325.0
08:00 AM - 09:00 AM	4.2	245.0	WSW	4.8	223.0	SW	3.2	292.0	WNW	1.3	253.0	WSW	0.2	-
09:00 AM - 10:00 AM	2.8	244.0	WSW	4.1	238.0	WSW	2.8	287.0	WNW	2.9	249.0	WSW	1.5	318.0

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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

Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

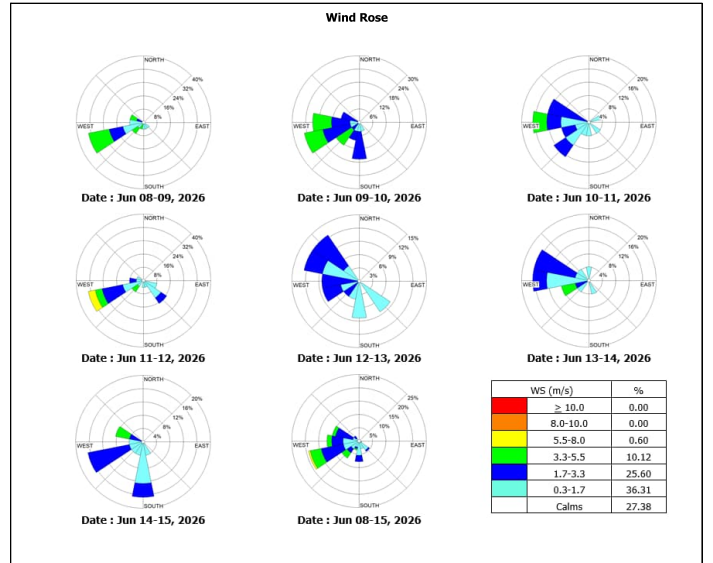
Client : BASF (Thai) Limited

111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Pluakdaeng, Amphur Pluakdaeng, Rayong Thailand 21140

P/O : 4995744917

Project Name : Monitoring

Project Location :



Location : พื้นที่โรงงาน (GPS 47P 0733222, 1438992)

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Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis Report

Work Order : RA2504812

Client : Eastern Seaboard Industrial Estate (Rayong) Co., Ltd.
112 Moo 4, Highway 331 Rd., Tambon Pluak Daeng, Amphoe Pluak Daeng, Rayong, Thailand, 21140

Project : ESIE

Project Location : BASF (Thai) Limited_S-40_WWT_ESIE_022_2550

Sample Number : RA2504812-001

Sampled Date : Jan 12, 2026 03:26 PM

Sample Name : Wastewater

Sampling Site : BASF (Thai) Limited.

Contract ID : WWT_ESIE_022_2550

Plot : S-40

Date of Analysis : Jan 12, 2026

Sampled by : Narunat Thammasaro (T-323-T-0052)

Condition of Sample : 1x 1L Plastic Bottle, 1x Cyanide, 1x Plastic bottle - Preserved with H2SO4, 1x Oil & Grease, 1x Logsheet/ data, 1x Plastic Bottle - Preserved with HNO3, 1x Plastic Bottle - Preserved with NaOH, 1x 500mL Plastic Bottle, 1x 500mL Plastic bottle - Preserved with H2SO4, refrigerated

Physical Properties : yellow, some odour, some solid, no turbid

Analyte	Unit	LOD	LOQ	Result	Guideline	Method	Testing Lab
Chemical Parameters							
BOD (5 days at 20°C)	mg/L	-	2.0	7.3	≤500	EN0044	Rayong
COD	mg/L	1.5	25	31	≤750	EN0046	Rayong
Cyanide as HCN	mg/L	0.001	0.005	Not Detected	≤0.2	EN0005	Rayong
Formaldehyde	mg/L	0.03	0.1	<0.1	≤1	EN0010	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	EN0048	Rayong
Phenol	mg/L	0.005	0.010	<0.010	≤1	EN0051	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	21.0	≤100	EN0226	Rayong
Metals and Major Cations - Total							
Arsenic *	mg/L	0.002	0.005	Not Detected	≤0.25	ME0002	Rayong
Barium *	mg/L	0.002	0.005	0.057	≤1	ME0002	Rayong
Cadmium *	mg/L	0.001	0.002	Not Detected	≤0.03	ME0002	Rayong
Copper *	mg/L	0.005	0.01	0.05	≤2	ME0002	Rayong
Hexavalent Chromium *	mg/L	0.003	0.01	Not Detected	≤0.25	ME0006	Rayong
Lead *	mg/L	0.002	0.005	Not Detected	≤0.2	ME0002	Rayong
Manganese *	mg/L	0.001	0.002	0.020	≤5	ME0002	Rayong
Mercury *	mg/L	0.0001	0.0005	<0.0005	≤0.005	ME0005	Rayong

Signatories

Jitsupa P.

Jitsupa Pratuangsuk
Scientist (2)
T-323-T-0004

Dej Changchon

Dej Changchon
Senior Manager
T-323-T-0001

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

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Analysis Report

Work Order : RA2504812

Client : Eastern Seaboard Industrial Estate (Rayong) Co., Ltd.
112 Moo 4, Highway 331 Rd., Tambon Pluak Daeng, Amphoe Pluak Daeng, Rayong, Thailand, 21140

Project : ESIE

Project Location : BASF (Thai) Limited_S-40_WWT_ESIE_022_2550

Sample Number : RA2504812-001

Sampled Date : Jan 12, 2026 03:26 PM

Sample Name : Wastewater

Sampling Site : BASF (Thai) Limited.

Contract ID : WWT_ESIE_022_2550

Plot : S-40

Date of Analysis : Jan 12, 2026

Sampled by : Narunat Thammasaro (T-323-T-0052)

Condition of Sample : 1x 1L Plastic Bottle, 1x Cyanide, 1x Plastic bottle - Preserved with H2SO4, 1x Oil & Grease, 1x Logsheet/ data, 1x Plastic Bottle - Preserved with HNO3, 1x Plastic Bottle - Preserved with NaOH, 1x 500mL Plastic Bottle, 1x 500mL Plastic bottle - Preserved with H2SO4, refrigerated

Physical Properties : yellow, some odour, some solid, no turbid

Analyte	Unit	LOD	LOQ	Result	Guideline	Method	Testing Lab
Metals and Major Cations - Total							
Nickel *	mg/L	0.002	0.005	Not Detected	≤1	ME0002	Rayong
Selenium *	mg/L	0.005	0.01	<0.01	≤0.02	ME0002	Rayong
Trivalent Chromium *	mg/L	-	0.01	<0.01	≤0.75	ME0003	Rayong
Zinc *	mg/L	0.005	0.01	0.34	≤5	ME0002	Rayong
Physical and Aggregate Properties							
Color (at Original pH)	ADMI	-	5	18	≤600	EN0080	Rayong
Color (at pH 7.0)	ADMI	-	5	15	≤600	EN0080	Rayong
pH - Field *	pH Unit	-	1.0	9.0	5.5-9	EN0020	Rayong
Temperature *	°C	-	-	38.8	≤45	EN0097	Rayong
Total Dissolved Solids at 180°C	mg/L	-	5	432	≤3000	EN0100	Rayong
Total Suspended Solids	mg/L	-	5	<5	≤200	EN0102	Rayong
Guideline : Notification of The Industrial Estate Authority of Thailand No. 029/2567 on Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant							
Comment : Sampling is not included in scope of accreditation ISO/IEC 17025							

Signatories

Jitsupa P.

Jitsupa Pratuangsuk
Scientist (2)
T-323-T-0004

Dej Changchon

Dej Changchon
Senior Manager
T-323-T-0001

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

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Analysis Report

Work Order	: RA2504812	Date Received	: Jan 12, 2026
Client	: Eastern Seaboard Industrial Estate (Rayong) Co., Ltd. 112 Moo 4, Highway 331 Rd., Tambon Pluak Daeng, Amphoe Pluak Daeng, Rayong, Thailand, 21140	Date Reported	: Jan 19, 2026
		Report Number	: RA2504812-AA
Project	: ESIE		
Project Location	: BASF (Thai) Limited._S-40_WWT_ESIE_022_2550		
Sample Number	RA2504812-001		
Sampled Date	Jan 12, 2026 03:26 PM		
Sample Name	Wastewater		
Sampling Site	BASF (Thai) Limited.		
Contract ID	WWT_ESIE_022_2550		
Plot	S-40		
Date of Analysis	Jan 12, 2026		
Sampled by	Narunat Thammasaro (๓-323-๓-0052)		
Condition of Sample	1x 1L Plastic Bottle, 1x Cyanide, 1x Plastic bottle - Preserved with H2SO4, 1x Oil & Grease, 1x Logsheet/ data, 1x Plastic Bottle - Preserved with HNO3, 1x Plastic Bottle - Preserved with NaOH, 1x 500mL Plastic Bottle, 1x 500mL Plastic bottle - Preserved with H2SO4, refrigerated		
Physical Properties	yellow, some odour, some solid, no turbid		
Key:	- 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		

Signatories

Jitsupa P.

Jitsupa Pratuangsuk
Scientist (2)
๓-323-๓-0004

Dej Changchon

Dej Changchon
Senior Manager
๓-323-๓-0001

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ALS Laboratory Group (Thailand) Co.,Ltd. Rayong Life Sciences

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Analysis Report

Work Order	: RA2504812	Date Received	: Jan 12, 2026
Client	: Eastern Seaboard Industrial Estate (Rayong) Co., Ltd. 112 Moo 4, Highway 331 Rd., Tambon Pluak Daeng, Amphoe Pluak Daeng, Rayong, Thailand, 21140	Date Reported	: Jan 19, 2026
		Report Number	: RA2504812-AA
Project	: ESIE		
Project Location	: BASF (Thai) Limited._S-40_WWT_ESIE_022_2550		
Sample Number	RA2504812-001		
Sampled Date	Jan 12, 2026 03:26 PM		
Sample Name	Wastewater		
Sampling Site	BASF (Thai) Limited.		
Contract ID	WWT_ESIE_022_2550		
Plot	S-40		
Date of Analysis	Jan 12, 2026		
Sampled by	Narunat Thammasaro (๓-323-๓-0052)		
Condition of Sample	1x 1L Plastic Bottle, 1x Cyanide, 1x Plastic bottle - Preserved with H2SO4, 1x Oil & Grease, 1x Logsheet/ data, 1x Plastic Bottle - Preserved with HNO3, 1x Plastic Bottle - Preserved with NaOH, 1x 500mL Plastic Bottle, 1x 500mL Plastic bottle - Preserved with H2SO4, refrigerated		
Physical Properties	yellow, some odour, some solid, no turbid		
Method	Testing Lab	Method Descriptions	
ME0005	Rayong	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3112 (B)	
ME0006	Rayong	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3500-Cr (B)	

END OF REPORT

Signatories

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Analysis Report

Work Order	: RA2504812	Date Received	: Jan 12, 2026
Client	: Eastern Seaboard Industrial Estate (Rayong) Co., Ltd. 112 Moo 4, Highway 331 Rd., Tambon Pluak Daeng, Amphoe Pluak Daeng, Rayong, Thailand, 21140	Date Reported	: Jan 19, 2026
		Report Number	: RA2504812-AA
Project	: ESIE		
Project Location	: BASF (Thai) Limited._S-40_WWT_ESIE_022_2550		
Sample Number	RA2504812-001		
Sampled Date	Jan 12, 2026 03:26 PM		
Sample Name	Wastewater		
Sampling Site	BASF (Thai) Limited.		
Contract ID	WWT_ESIE_022_2550		
Plot	S-40		
Date of Analysis	Jan 12, 2026		
Sampled by	Narunat Thammasaro (๓-323-๓-0052)		
Condition of Sample	1x 1L Plastic Bottle, 1x Cyanide, 1x Plastic bottle - Preserved with H2SO4, 1x Oil & Grease, 1x Logsheet/ data, 1x Plastic Bottle - Preserved with HNO3, 1x Plastic Bottle - Preserved with NaOH, 1x 500mL Plastic Bottle, 1x 500mL Plastic bottle - Preserved with H2SO4, refrigerated		
Physical Properties	yellow, some odour, some solid, no turbid		
Brief Method Summaries The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.			
Method	Testing Lab	Method Descriptions	
EN0005	Rayong	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2024, part 4500 - CN C, E	
EN0010	Rayong	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed., 2004	
EN0020	Rayong	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	
EN0044	Rayong	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5210 B and part 4500 - O (G)	
EN0046	Rayong	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	
EN0048	Rayong	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	
EN0051	Rayong	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5530 B, D	
EN0080	Rayong	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	
EN0097	Rayong	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	
EN0100	Rayong	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	
EN0102	Rayong	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	
EN0226	Rayong	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	
ME0002	Rayong	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3120 B.3030 F	
ME0003	Rayong	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, Calculated APHA 3120 Calculation	

Signatories

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Analysis Report

Work Order	: RA2504812	Date Received	: Jan 12, 2026				
Client	: Eastern Seaboard Industrial Estate (Rayong) Co., Ltd. 112 Moo 4, Highway 331 Rd., Tambon Pluak Daeng, Amphoe Pluak Daeng, Rayong, Thailand, 21140	Date Reported	: Jan 19, 2026				
		Report Number	: RA2504812-AB				
Project	: ESIE						
Project Location	: BASF (Thai) Limited._S-40_WWT_ESIE_022_2550						
Sample Number	RA2504812-001						
Sampled Date	Jan 12, 2026 03:26 PM						
Sample Name	Wastewater						
Sampling Site	BASF (Thai) Limited.						
Contract ID	WWT_ESIE_022_2550						
Plot	S-40						
Date of Analysis	Jan 13, 2026						
Sampled by	Narunat Thammasaro						
Condition of Sample	1x 1L Plastic Bottle, 1x Cyanide, 1x Plastic bottle - Preserved with H2SO4, 1x Oil & Grease, 1x Logsheet/ data, 1x Plastic Bottle - Preserved with HNO3, 1x Plastic Bottle - Preserved with NaOH, 1x 500mL Plastic Bottle, 1x 500mL Plastic bottle - Preserved with H2SO4, refrigerated						
Physical Properties	yellow, some odour, some solid, no turbid						
Analytical Results							
Analyte	Unit	LOD	LOQ	Result	Guideline	Method	Testing Lab
Chemical Parameters							
Ammonia Nitrogen	mg/L	-	0.05	5.0	-	EN0017	Rayong
Fluoride	mg/L	-	0.2	0.6	≤5	EN0253	Rayong
Nitrate as N	mg/L	-	0.05	2.96	-	EN0015	Rayong
Phosphate as P	mg/L	-	0.01	1.04	-	EN0023	Rayong
Metals and Major Cations - Total							
Iron	mg/L	0.005	0.01	0.09	≤10	ME0002	Rayong
Physical and Aggregate Properties							
Conductivity at 25 °C	µS/cm	-	0.50	700	-	EN0082	Rayong
Guideline	Notification of The Industrial Estate Authority of Thailand No. 029/2567 on Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant						
Comment	Sampling is not included in scope of accreditation ISO/IEC 17025						
Key:	o LOD : Limit of Detection o *C* : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)						

Signatories

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Analysis Report

Work Order : **RA2504812** Date Received : Jan 12, 2026
Client : Eastern Seaboard Industrial Estate (Rayong) Co., Ltd. Date Reported : Jan 19, 2026
112 Moo 4, Highway 331 Rd., Tambon Pluak Daeng, Amphoe Pluak Daeng, Rayong, Thailand, 21140 Report Number : RA2504812-AB

Project : ESIE
Project Location : BASF (Thai) Limited_S-40_WWT_ESIE_022_2550

Sample Number : RA2504812-001
Sampled Date : Jan 12, 2026 03:26 PM
Sample Name : Wastewater
Sampling Site : BASF (Thai) Limited.
Contract ID : WWT_ESIE_022_2550
Plot : S-40
Date of Analysis : Jan 13, 2026
Sampled by : Narunat Thammasaro
Condition of Sample : 1x 1L Plastic Bottle, 1x Cyanide, 1x Plastic bottle - Preserved with H2SO4, 1x Oil & Grease, 1x Logsheet/ data, 1x Plastic Bottle - Preserved with HNO3, 1x Plastic Bottle - Preserved with NaOH, 1x 500mL Plastic Bottle, 1x 500mL Plastic bottle - Preserved with H2SO4, refrigerated
Physical Properties : yellow, some odour, some solid, no turbid

Brief Method Summaries

The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

Method	Testing Lab	Method Descriptions
EN0015	Rayong	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, par 4500 - NO3 (E)
EN0017	Rayong	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - NH3 (F)
EN0023	Rayong	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - P (E)
EN0082	Rayong	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510B
EN0253	Rayong	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-F (D)
ME0002	Rayong	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3120 B,3030 F

— END OF REPORT —

Signatories

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Analysis Report

Work Order : **RA2600248** Date Received : Feb 10, 2026
Client : Eastern Seaboard Industrial Estate (Rayong) Co., Ltd. Date Reported : Feb 17, 2026
112 Moo 4, Highway 331 Rd., Tambon Pluak Daeng, Amphoe Pluak Daeng, Rayong, Thailand, 21140 Report Number : RA2600248-AA

Project : ESIE
Project Location : BASF (Thai) Limited_S-40_WWT_ESIE_022_2550

Sample Number : RA2600248-001
Sampled Date : Feb 10, 2026 10:07 AM
Sample Name : Wastewater
Sampling Site : BASF (Thai) Limited.
Contract ID : WWT_ESIE_022_2550
Plot : S-40
Date of Analysis : Feb 10, 2026
Sampled by : Phongthep Sitthiloh (~323-n-0023)
Condition of Sample : 1x 500mL Plastic Bottle, 1x Plastic bottle - Preserved with H2SO4, 1x Oil & Grease, 1x Logsheet/ data, 1x Plastic Bottle - Preserved with HNO3, 1x 1L Plastic Bottle, refrigerated
Physical Properties : yellow, some odour, some solid, no turbid

Analytical Results

Analyte	Unit	LOD	LOQ	Result	Guideline	Method	Testing Lab
Chemical Parameters							
BOD (5 days at 20°C)	mg/L	-	2.0	4.6	≤500	EN0044	Rayong
COD	mg/L	1.5	25	59	≤750	EN0046	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	EN0048	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	9.8	≤100	EN0226	Rayong
Metals and Major Cations - Total							
Zinc *	mg/L	0.005	0.01	3.10	≤5	ME0002	Rayong
Physical and Aggregate Properties							
pH - Field *	pH Unit	-	1.0	8.0	5.5-9	EN0020	Rayong
Temperature *	°C	-	-	36.9	≤45	EN0097	Rayong
Total Suspended Solids	mg/L	-	5	6	≤200	EN0102	Rayong

Guideline : Notification of The Industrial Estate Authority of Thailand No. 029/2567 on Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant

Comment : Sampling is not included in scope of accreditation ISO/IEC 17025

Key :
o LOD : Limit of Detection
o "<": Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
o Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC17025

Signatories

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Analysis Report

Work Order : **RA2600248** Date Received : Feb 10, 2026
Client : Eastern Seaboard Industrial Estate (Rayong) Co., Ltd. Date Reported : Feb 17, 2026
112 Moo 4, Highway 331 Rd., Tambon Pluak Daeng, Amphoe Pluak Daeng, Rayong, Thailand, 21140 Report Number : RA2600248-AA

Project : ESIE
Project Location : BASF (Thai) Limited_S-40_WWT_ESIE_022_2550

Sample Number : RA2600248-001
Sampled Date : Feb 10, 2026 10:07 AM
Sample Name : Wastewater
Sampling Site : BASF (Thai) Limited.
Contract ID : WWT_ESIE_022_2550
Plot : S-40
Date of Analysis : Feb 10, 2026
Sampled by : Phongthep Sitthiloh (~323-n-0023)
Condition of Sample : 1x 500mL Plastic Bottle, 1x Plastic bottle - Preserved with H2SO4, 1x Oil & Grease, 1x Logsheet/ data, 1x Plastic Bottle - Preserved with HNO3, 1x 1L Plastic Bottle, refrigerated
Physical Properties : yellow, some odour, some solid, no turbid

Brief Method Summaries

The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

Method	Testing Lab	Method Descriptions
EN0020	Rayong	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)
EN0044	Rayong	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B and part 4500 - O (G)
EN0046	Rayong	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D
EN0048	Rayong	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B
EN0097	Rayong	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B
EN0102	Rayong	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D
EN0226	Rayong	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)
ME0002	Rayong	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3120 B,3030 F

— END OF REPORT —

Signatories

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Analysis Report

Work Order : **RA2600248** Date Received : Feb 10, 2026
Client : Eastern Seaboard Industrial Estate (Rayong) Co., Ltd. Date Reported : Feb 17, 2026
112 Moo 4, Highway 331 Rd., Tambon Pluak Daeng, Amphoe Pluak Daeng, Rayong, Thailand, 21140 Report Number : RA2600248-AB

Project : ESIE
Project Location : BASF (Thai) Limited_S-40_WWT_ESIE_022_2550

Sample Number : RA2600248-001
Sampled Date : Feb 10, 2026 10:07 AM
Sample Name : Wastewater
Sampling Site : BASF (Thai) Limited.
Contract ID : WWT_ESIE_022_2550
Plot : S-40
Date of Analysis : Feb 10, 2026
Sampled by : Phongthep Sitthiloh
Condition of Sample : 1x 500mL Plastic Bottle, 1x Plastic bottle - Preserved with H2SO4, 1x Oil & Grease, 1x Logsheet/ data, 1x Plastic Bottle - Preserved with HNO3, 1x 1L Plastic Bottle, refrigerated
Physical Properties : yellow, some odour, some solid, no turbid

Analytical Results

Analyte	Unit	LOD	LOQ	Result	Guideline	Method	Testing Lab
Chemical Parameters							
Phosphate as P	mg/L	-	0.01	2.74	-	EN0023	Rayong

Comment : Sampling is not included in scope of accreditation ISO/IEC 17025

Key :
o LOD : Limit of Detection
o "<": Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Brief Method Summaries

The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

Method	Testing Lab	Method Descriptions
EN0023	Rayong	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - P (E)

— END OF REPORT —

Signatories

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Scientist (2)

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Analysis Report

Work Order : **RA2601344** Date Received : Mar 11, 2026
Client : Eastern Seaboard Industrial Estate (Rayong) Co., Ltd. Date Reported : Mar 17, 2026
112 Moo 4, Highway 331 Rd., Tambon Pluak Daeng, Amphoe Pluak Daeng, Rayong, Thailand, 21140 Report Number : RA2601344-AA
Project : ESIE
Project Location : BASF (Thai) Limited._S-40_WWT_ESIE_022_2550

Sample Number RA2601344-001
Sampled Date Mar 11, 2026 02:31 PM
Sample Name Wastewater
Sampling Site BASF (Thai) Limited.
Contract ID WWT_ESIE_022_2550
Plot S-40
Date of Analysis Mar 11, 2026
Sampled by Warunyoo Chimphalee (~323-~0020)
Condition of Sample 1x 500mL Plastic Bottle, 1x Plastic bottle - Preserved with H2SO4, 1x Oil & Grease, 1x Logsheet/ data, 1x Plastic Bottle - Preserved with HNO3, 1x 1L Plastic Bottle, refrigerated
Physical Properties yellow, some odour, some solid, no turbid

Analytical Results

Analyte	Unit	LOD	LOQ	Result	Guideline	Method	Testing Lab
Chemical Parameters							
BOD (5 days at 20°C)	mg/L	-	2.0	15.1	≤500	EN0044	Rayong
COD	mg/L	1.5	25	44	≤750	EN0046	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	EN0048	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	19.4	≤100	EN0226	Rayong
Metals and Major Cations - Total							
Zinc *	mg/L	0.005	0.01	0.30	≤5	ME0002	Rayong
Physical and Aggregate Properties							
pH - Field *	pH Unit	-	1.0	6.7	5.5-9	EN0020	Rayong
Temperature *	°C	-	-	39.0	≤45	EN0097	Rayong
Total Suspended Solids	mg/L	-	5	5	≤200	EN0102	Rayong

Guideline : Notification of The Industrial Estate Authority of Thailand No. 029/2567 on Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant

Comment : Sampling is not included in scope of accreditation ISO/IEC 17025

- Key:
- 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/IEC17025

Signatories

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Analysis Report

Work Order : **RA2601344** Date Received : Mar 11, 2026
Client : Eastern Seaboard Industrial Estate (Rayong) Co., Ltd. Date Reported : Mar 17, 2026
112 Moo 4, Highway 331 Rd., Tambon Pluak Daeng, Amphoe Pluak Daeng, Rayong, Thailand, 21140 Report Number : RA2601344-AB
Project : ESIE
Project Location : BASF (Thai) Limited._S-40_WWT_ESIE_022_2550

Sample Number RA2601344-001
Sampled Date Mar 11, 2026 02:31 PM
Sample Name Wastewater
Sampling Site BASF (Thai) Limited.
Contract ID WWT_ESIE_022_2550
Plot S-40
Date of Analysis Mar 12, 2026
Sampled by Warunyoo Chimphalee
Condition of Sample 1x 500mL Plastic Bottle, 1x Plastic bottle - Preserved with H2SO4, 1x Oil & Grease, 1x Logsheet/ data, 1x Plastic Bottle - Preserved with HNO3, 1x 1L Plastic Bottle, refrigerated
Physical Properties yellow, some odour, some solid, no turbid

Analytical Results

Analyte	Unit	LOD	LOQ	Result	Guideline	Method	Testing Lab
Chemical Parameters							
Phosphate as P	mg/L	-	0.01	1.27	-	EN0023	Rayong

Comment : Sampling is not included in scope of accreditation ISO/IEC 17025

- Key:
- LOD : Limit of Detection
 - *< : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Brief Method Summaries

The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

Method	Testing Lab	Method Descriptions
EN0023	Rayong	Based on Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500 - P (E)

END OF REPORT

Signatories

Jitsupa P.

Jitsupa Pratuangsk
Scientist (2)

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Analysis Report

Work Order : **RA2601344** Date Received : Mar 11, 2026
Client : Eastern Seaboard Industrial Estate (Rayong) Co., Ltd. Date Reported : Mar 17, 2026
112 Moo 4, Highway 331 Rd., Tambon Pluak Daeng, Amphoe Pluak Daeng, Rayong, Thailand, 21140 Report Number : RA2601344-AA
Project : ESIE
Project Location : BASF (Thai) Limited._S-40_WWT_ESIE_022_2550

Sample Number RA2601344-001
Sampled Date Mar 11, 2026 02:31 PM
Sample Name Wastewater
Sampling Site BASF (Thai) Limited.
Contract ID WWT_ESIE_022_2550
Plot S-40
Date of Analysis Mar 11, 2026
Sampled by Warunyoo Chimphalee (~323-~0020)
Condition of Sample 1x 500mL Plastic Bottle, 1x Plastic bottle - Preserved with H2SO4, 1x Oil & Grease, 1x Logsheet/ data, 1x Plastic Bottle - Preserved with HNO3, 1x 1L Plastic Bottle, refrigerated
Physical Properties yellow, some odour, some solid, no turbid

Brief Method Summaries

The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

Method	Testing Lab	Method Descriptions
EN0020	Rayong	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)
EN0044	Rayong	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B and part 4500 - O (G)
EN0046	Rayong	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D
EN0048	Rayong	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B
EN0097	Rayong	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B
EN0102	Rayong	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D
EN0226	Rayong	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-N(C), part NH3 (D)
ME0002	Rayong	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3120 B,3030 F

END OF REPORT

Signatories

Jitsupa P.

Jitsupa Pratuangsk
Scientist (2)
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Dej Changchon

Dej Changchon
Senior Manager
~323-n-0001

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

ALS Laboratory Group (Thailand) Co.,Ltd. Rayong Life Sciences

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Analysis Report

Work Order : **RA2602418** Date Received : Apr 03, 2026
Client : Eastern Seaboard Industrial Estate (Rayong) Co., Ltd. Date Reported : Apr 09, 2026
112 Moo 4, Highway 331 Rd., Tambon Pluak Daeng, Amphoe Pluak Daeng, Rayong, Thailand, 21140 Report Number : RA2602418-AA
Project : ESIE
Project Location : BASF (Thai) Limited._S-40_WWT_ESIE_022_2550

Sample Number RA2602418-001
Sampled Date Apr 03, 2026 02:15 PM
Sample Name Wastewater
Sampling Site BASF (Thai) Limited.
Contract ID WWT_ESIE_022_2550
Plot S-40
Date of Analysis Apr 03, 2026
Sampled by Amonwich Wongsachai (~323-~0040)
Condition of Sample 1x 500mL Plastic Bottle, 1x Plastic bottle - Preserved with H2SO4, 1x Oil & Grease, 1x Logsheet/ data, 1x Plastic Bottle - Preserved with HNO3, 1x 1L Plastic Bottle, refrigerated
Physical Properties yellow, some odour, some solids, turbid

Analytical Results

Analyte	Unit	LOD	LOQ	Result	Guideline	Method	Testing Lab
Chemical Parameters							
BOD (5 days at 20°C)	mg/L	-	2.0	8.4	≤500	EN0044	Rayong
COD	mg/L	1.5	25	57	≤750	EN0046	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	EN0048	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	9.3	≤100	EN0226	Rayong

Metals and Major Cations - Total

Zinc *	mg/L	0.005	0.01	0.48	≤5	ME0002	Rayong
Physical and Aggregate Properties							
pH - Field *	pH Unit	-	1.0	8.6	5.5-9	EN0020	Rayong
Temperature *	°C	-	-	41.0	≤45	EN0097	Rayong
Total Suspended Solids	mg/L	-	5	9	≤200	EN0102	Rayong

Guideline : Notification of The Industrial Estate Authority of Thailand No. 029/2567 on Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant

Comment : Sampling is not included in scope of accreditation ISO/IEC 17025

- Key:
- 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/IEC17025

Signatories

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Analysis Report

Work Order : **RA2602418** Date Received : Apr 03, 2026
Client : Eastern Seaboard Industrial Estate (Rayong) Co., Ltd. Date Reported : Apr 09, 2026
112 Moo 4, Highway 331 Rd., Tambon Pluak Daeng, Amphoe Pluak Daeng, Rayong, Thailand, 21140 Report Number : RA2602418-AA
Project : ESIE
Project Location : BASF (Thai) Limited._S-40_WWT_ESIE_022_2550

Sample Number RA2602418-001
Sampled Date Apr 03, 2026 02:15 PM
Sample Name Wastewater
Sampling Site BASF (Thai) Limited.
Contract ID WWT_ESIE_022_2550
Plot S-40
Date of Analysis Apr 03, 2026
Sampled by Amonwich Wongsachai (~323~0040)
Condition of Sample 1x 500mL Plastic Bottle - Preserved with H2SO4, 1x Oil & Grease, 1x Logsheet/ data, 1x Plastic Bottle - Preserved with HNO3, 1x 1L Plastic Bottle, refrigerated
Physical Properties yellow, some odour, some solids, turbid

Brief Method Summaries

The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

Method	Testing Lab	Method Descriptions
EN0020	Rayong	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)
EN0044	Rayong	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B and part 4500 - O (G)
EN0046	Rayong	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D
EN0048	Rayong	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B
EN0097	Rayong	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B
EN0102	Rayong	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D
EN0226	Rayong	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)
ME0002	Rayong	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3120 B,3030 F

— END OF REPORT —

Signatories

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Analysis Report

Work Order : **RA2603534** Date Received : May 12, 2026
Client : Eastern Seaboard Industrial Estate (Rayong) Co., Ltd. Date Reported : May 19, 2026
112 Moo 4, Highway 331 Rd., Tambon Pluak Daeng, Amphoe Pluak Daeng, Rayong, Thailand, 21140 Report Number : RA2603534-AA
Project : ESIE
Project Location : BASF (Thai) Limited._S-40_WWT_ESIE_022_2550

Sample Number RA2603534-001
Sampled Date May 12, 2026 10:55 AM
Sample Name Wastewater
Sampling Site BASF (Thai) Limited.
Contract ID WWT_ESIE_022_2550
Plot S-40
Date of Analysis May 12, 2026
Sampled by Wasan Kinunti (~323~0019)
Condition of Sample 1x 500mL Plastic Bottle - Preserved with H2SO4, 1x Oil & Grease, 1x Logsheet/ data, 1x Plastic Bottle - Preserved with HNO3, 1x 1L Plastic Bottle, refrigerated
Physical Properties yellow, some odour, some solid, no turbid

Analytical Results

Analyte	Unit	LOD	LOQ	Result	Guideline	Method	Testing Lab
Chemical Parameters							
BOD (5 days at 20°C)	mg/L	-	2.0	12.9	≤500	EN0044	Rayong
COD	mg/L	1.5	25	54	≤750	EN0046	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	EN0048	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	15.9	≤100	EN0226	Rayong
Metals and Major Cations - Total							
Zinc *	mg/L	0.005	0.01	1.24	≤5	ME0002	Rayong
Physical and Aggregate Properties							
pH - Field *	pH Unit	-	1.0	7.3	5.5-9	EN0020	Rayong
Temperature *	°C	-	-	34.0	≤45	EN0097	Rayong
Total Suspended Solids	mg/L	-	5	<5	≤200	EN0102	Rayong

Guideline : Notification of The Industrial Estate Authority of Thailand No. 029/2567 on Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant

Comment : Sampling is not included in scope of accreditation ISO/IEC 17025

Key :
o LOD : Limit of Detection
o "<": Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
o Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025

Signatories

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Analysis Report

Work Order : **RA2602418** Date Received : Apr 03, 2026
Client : Eastern Seaboard Industrial Estate (Rayong) Co., Ltd. Date Reported : Apr 09, 2026
112 Moo 4, Highway 331 Rd., Tambon Pluak Daeng, Amphoe Pluak Daeng, Rayong, Thailand, 21140 Report Number : RA2602418-AB
Project : ESIE
Project Location : BASF (Thai) Limited._S-40_WWT_ESIE_022_2550

Sample Number RA2602418-001
Sampled Date Apr 03, 2026 02:15 PM
Sample Name Wastewater
Sampling Site BASF (Thai) Limited.
Contract ID WWT_ESIE_022_2550
Plot S-40
Date of Analysis Apr 06, 2026
Sampled by Amonwich Wongsachai
Condition of Sample 1x 500mL Plastic Bottle, 1x Plastic bottle - Preserved with H2SO4, 1x Oil & Grease, 1x Logsheet/ data, 1x Plastic Bottle - Preserved with HNO3, 1x 1L Plastic Bottle, refrigerated
Physical Properties yellow, some odour, some solids, turbid

Analytical Results

Analyte	Unit	LOD	LOQ	Result	Guideline	Method	Testing Lab
Chemical Parameters							
Phosphate as P	mg/L	-	0.01	1.37	-	EN0023	Rayong
Comment : Sampling is not included in scope of accreditation ISO/IEC 17025							
Key : o LOD : Limit of Detection o "<": Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)							

Brief Method Summaries

The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

Method	Testing Lab	Method Descriptions
EN0023	Rayong	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - P (E)

— END OF REPORT —

Signatories

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Scientist (2)

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Analysis Report

Work Order : **RA2603534** Date Received : May 12, 2026
Client : Eastern Seaboard Industrial Estate (Rayong) Co., Ltd. Date Reported : May 19, 2026
112 Moo 4, Highway 331 Rd., Tambon Pluak Daeng, Amphoe Pluak Daeng, Rayong, Thailand, 21140 Report Number : RA2603534-AA
Project : ESIE
Project Location : BASF (Thai) Limited._S-40_WWT_ESIE_022_2550

Sample Number RA2603534-001
Sampled Date May 12, 2026 10:55 AM
Sample Name Wastewater
Sampling Site BASF (Thai) Limited.
Contract ID WWT_ESIE_022_2550
Plot S-40
Date of Analysis May 12, 2026
Sampled by Wasan Kinunti (~323~0019)
Condition of Sample 1x 500mL Plastic Bottle - Preserved with H2SO4, 1x Oil & Grease, 1x Logsheet/ data, 1x Plastic Bottle - Preserved with HNO3, 1x 1L Plastic Bottle, refrigerated
Physical Properties yellow, some odour, some solid, no turbid

Analytical Results

Analyte	Unit	LOD	LOQ	Result	Guideline	Method	Testing Lab
Chemical Parameters							
BOD (5 days at 20°C)	mg/L	-	2.0	12.9	≤500	EN0044	Rayong
COD	mg/L	1.5	25	54	≤750	EN0046	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	EN0048	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	15.9	≤100	EN0226	Rayong
Metals and Major Cations - Total							
Zinc *	mg/L	0.005	0.01	1.24	≤5	ME0002	Rayong
Physical and Aggregate Properties							
pH - Field *	pH Unit	-	1.0	7.3	5.5-9	EN0020	Rayong
Temperature *	°C	-	-	34.0	≤45	EN0097	Rayong
Total Suspended Solids	mg/L	-	5	<5	≤200	EN0102	Rayong

Guideline : Notification of The Industrial Estate Authority of Thailand No. 029/2567 on Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant

Comment : Sampling is not included in scope of accreditation ISO/IEC 17025

Key :
o LOD : Limit of Detection
o "<": Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
o Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025

Signatories

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Jitsupa Pratuangskuk
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Analysis Report

Work Order : **RA2603534** Date Received : May 12, 2026
Client : Eastern Seaboard Industrial Estate (Rayong) Co., Ltd. Date Reported : May 19, 2026
112 Moo 4, Highway 331 Rd., Tambon Pluak Daeng, Amphoe Pluak Daeng, Rayong, Thailand, 21140 Report Number : RA2603534-AA
Project : ESIE
Project Location : BASF (Thai) Limited._S-40_WWT_ESIE_022_2550

Sample Number RA2603534-001
Sampled Date May 12, 2026 10:55 AM
Sample Name Wastewater
Sampling Site BASF (Thai) Limited.
Contract ID WWT_ESIE_022_2550
Plot S-40
Date of Analysis May 12, 2026
Sampled by Wasan Kinunti (~323~0019)
Condition of Sample 1x 500mL Plastic Bottle - Preserved with H2SO4, 1x Oil & Grease, 1x Logsheet/ data, 1x Plastic Bottle - Preserved with HNO3, 1x 1L Plastic Bottle, refrigerated
Physical Properties yellow, some odour, some solid, no turbid

Brief Method Summaries

The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

Method	Testing Lab	Method Descriptions
EN0020	Rayong	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)
EN0023	Rayong	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - P (E)
EN0044	Rayong	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B and part 4500 - O (G)
EN0046	Rayong	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D
EN0048	Rayong	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B
EN0097	Rayong	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B
EN0102	Rayong	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D
EN0226	Rayong	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)
ME0002	Rayong	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3120 B,3030 F

— END OF REPORT —

Signatories

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Jitsupa Pratuangskuk
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Senior Manager
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Analysis Report

Work Order : **RA2603534** Date Received : May 12, 2026
Client : Eastern Seaboard Industrial Estate (Rayong) Co., Ltd.
112 Moo 4, Highway 331 Rd., Tambon Pluak Daeng, Amphoe Pluak Daeng,
Rayong, Thailand, 21140 Date Reported : May 19, 2026
Report Number : RA2603534-AB
Project : ESIE
Project Location : BASF (Thai) Limited._S-40_WWT_ESIE_022_2550

Sample Number RA2603534-001
Sampled Date May 12, 2026 10:55 AM
Sample Name Wastewater
Sampling Site BASF (Thai) Limited.
Contract ID WWT_ESIE_022_2550
Plot S-40
Date of Analysis May 13, 2026
Sampled by Wasan Kinunti
Condition of Sample 1x 500mL Plastic Bottle, 1x Plastic bottle - Preserved with H2SO4, 1x Oil & Grease, 1x Logsheet/ data, 1x Plastic Bottle - Preserved with HNO3, 1x 1L Plastic Bottle, refrigerated
Physical Properties yellow, some odour, some solid, no turbid

Analytical Results

Analyte	Unit	LOD	LOQ	Result	Guideline	Method	Testing Lab
Phosphate as P	mg/L	-	0.01	1.29	-	EN0023	Rayong

Comment : Sampling is not included in scope of accreditation ISO/IEC 17025
Key:
o LOD : Limit of Detection
o "<": Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Brief Method Summaries

Method	Testing Lab	Method Descriptions
EN0023	Rayong	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - P (E)

— END OF REPORT —

Signatories

Jitsupa P.

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Scientist (2)

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Analysis Report

Work Order : **RA2605158** Date Received : Jun 11, 2026
Client : Eastern Seaboard Industrial Estate (Rayong) Co., Ltd.
112 Moo 4, Highway 331 Rd., Tambon Pluak Daeng, Amphoe Pluak Daeng,
Rayong, Thailand, 21140 Date Reported : Jun 17, 2026
Report Number : RA2605158-AA
Project : ESIE
Project Location : BASF (Thai) Limited._S-40_WWT_ESIE_022_2550

Sample Number RA2605158-001
Sampled Date Jun 11, 2026 02:09 PM
Sample Name Wastewater
Sampling Site BASF (Thai) Limited.
Contract ID WWT_ESIE_022_2550
Plot S-40
Date of Analysis Jun 11, 2026
Sampled by Nattawut Athomprommarat (~323-n-0006)
Condition of Sample 1x Plastic Bottle (500 ml), 1x Plastic bottle - Preserved with H2SO4, 1x 1L Plastic Bottle, 1x Oil & Grease, 1x Logsheet/ data, 1x Plastic Bottle - Preserved with HNO3, refrigerated
Physical Properties yellow, strong odour, some solids, turbid

Analytical Results

Analyte	Unit	LOD	LOQ	Result	Guideline	Method	Testing Lab
BOD (5 days at 20°C)	mg/L	-	2.0	10.7	≤500	EN0044	Rayong
COD	mg/L	1.5	25	56	≤750	EN0046	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	EN0048	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	18.7	≤100	EN0226	Rayong

Metals and Major Cations - Total
Zinc mg/L 0.005 0.01 0.33 ≤5 ME0002 Rayong

Physical and Aggregate Properties
pH - Field * pH Unit - 1.0 7.5 5.5-9 EN0020 Rayong
Temperature * °C - - 38.2 ≤45 EN0097 Rayong
Total Suspended Solids mg/L - 5 18 ≤200 EN0102 Rayong

Guideline : Notification of The Industrial Estate Authority of Thailand No. 029/2567 on Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant

Comment : Sampling is not included in scope of accreditation ISO/IEC 17025
Key:
o LOD : Limit of Detection
o "<": Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
o Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC17025

Signatories

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Analysis Report

Work Order : **RA2605158** Date Received : Jun 11, 2026
Client : Eastern Seaboard Industrial Estate (Rayong) Co., Ltd.
112 Moo 4, Highway 331 Rd., Tambon Pluak Daeng, Amphoe Pluak Daeng,
Rayong, Thailand, 21140 Date Reported : Jun 17, 2026
Report Number : RA2605158-AA
Project : ESIE
Project Location : BASF (Thai) Limited._S-40_WWT_ESIE_022_2550

Sample Number RA2605158-001
Sampled Date Jun 11, 2026 02:09 PM
Sample Name Wastewater
Sampling Site BASF (Thai) Limited.
Contract ID WWT_ESIE_022_2550
Plot S-40
Date of Analysis Jun 11, 2026
Sampled by Nattawut Athomprommarat (~323-n-0006)
Condition of Sample 1x Plastic Bottle (500 ml), 1x Plastic bottle - Preserved with H2SO4, 1x 1L Plastic Bottle, 1x Oil & Grease, 1x Logsheet/ data, 1x Plastic Bottle - Preserved with HNO3, refrigerated
Physical Properties yellow, strong odour, some solids, turbid

Brief Method Summaries

Method	Testing Lab	Method Descriptions
EN0020	Rayong	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)
EN0044	Rayong	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B and part 4500 - O (G)
EN0046	Rayong	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D
EN0048	Rayong	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B
EN0097	Rayong	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B
EN0102	Rayong	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D
EN0226	Rayong	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)
ME0002	Rayong	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3120 B,3030 F

— END OF REPORT —

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Analysis Report

Work Order : **RA2605158** Date Received : Jun 11, 2026
Client : Eastern Seaboard Industrial Estate (Rayong) Co., Ltd.
112 Moo 4, Highway 331 Rd., Tambon Pluak Daeng, Amphoe Pluak Daeng,
Rayong, Thailand, 21140 Date Reported : Jun 17, 2026
Report Number : RA2605158-AB
Project : ESIE
Project Location : BASF (Thai) Limited._S-40_WWT_ESIE_022_2550

Sample Number RA2605158-001
Sampled Date Jun 11, 2026 02:09 PM
Sample Name Wastewater
Sampling Site BASF (Thai) Limited.
Contract ID WWT_ESIE_022_2550
Plot S-40
Date of Analysis Jun 12, 2026
Sampled by Nattawut Athomprommarat
Condition of Sample 1x Plastic Bottle (500 ml), 1x Plastic bottle - Preserved with H2SO4, 1x 1L Plastic Bottle, 1x Oil & Grease, 1x Logsheet/ data, 1x Plastic Bottle - Preserved with HNO3, refrigerated
Physical Properties yellow, strong odour, some solids, turbid

Analytical Results

Analyte	Unit	LOD	LOQ	Result	Guideline	Method	Testing Lab
Phosphate as P	mg/L	-	0.01	0.92	-	EN0023	Rayong

Comment : Sampling is not included in scope of accreditation ISO/IEC 17025
Key:
o LOD : Limit of Detection
o "<": Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Brief Method Summaries

Method	Testing Lab	Method Descriptions
EN0023	Rayong	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - P (E)

— END OF REPORT —

Signatories

Photchana S.

Photchana Seeda
Scientist (4)

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

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Analysis / Test Report



TESTING
No.0042

Client : BASF (Thai) Limited
111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Puakdaeng, Amphur Puakdaeng,
Rayong Thailand 21140
P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2646577
Date Received : Jun 16, 2026
Date Reported : Jun 19, 2026
Report Number: 3601358-1

Page 1 of 1

Sample Number	2646577-1
Parameter	Noise (Leq 24 hrs.)
Location	สิ่งแวดล้อมที่ติดกับภายในโรงงาน (GPS 47P 0733191, 1438992)
Measurement Date	Jun 08 - Jun 09, 2026
Measurement by	Chatchai Sukpia
Sound Level meter	Serial No. 920831

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	59.4	87.9	56.1
11:00 AM - 12:00 PM	56.7	67.4	55.6
12:00 PM - 01:00 PM	56.2	65.9	55.0
01:00 PM - 02:00 PM	57.0	65.0	55.8
02:00 PM - 03:00 PM	57.0	66.3	55.8
03:00 PM - 04:00 PM	57.5	75.9	55.9
04:00 PM - 05:00 PM	57.2	67.7	56.1
05:00 PM - 06:00 PM	57.4	72.9	56.3
06:00 PM - 07:00 PM	57.9	75.3	56.8
07:00 PM - 08:00 PM	56.9	70.7	56.1
08:00 PM - 09:00 PM	57.0	67.6	56.3
09:00 PM - 10:00 PM	57.7	74.9	56.6
10:00 PM - 11:00 PM	57.0	61.6	56.3
11:00 PM - 12:00 AM	56.9	61.2	56.3
12:00 AM - 01:00 AM	56.5	64.5	55.9
01:00 AM - 02:00 AM	56.5	62.0	55.9
02:00 AM - 03:00 AM	56.8	65.3	56.2
03:00 AM - 04:00 AM	56.5	61.7	56.0
04:00 AM - 05:00 AM	56.9	71.5	56.1
05:00 AM - 06:00 AM	57.3	70.9	56.2
06:00 AM - 07:00 AM	56.7	69.5	56.0
07:00 AM - 08:00 AM	56.8	68.2	55.8
08:00 AM - 09:00 AM	56.7	73.0	55.4
09:00 AM - 10:00 AM	56.4	70.7	55.3

Leq Average 24 hrs. (dB(A))	57.1		
Lmax (dB(A))		87.9	
L90 (dB(A))			56.0
Ldn (dB(A))	63.3		
Standard (dB(A))	70	115	
Reference Method : ISO 1996-1 : 2016			
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 Salamteht
Section Head

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S:\Reports_Air Noise.rpt (1:44PM)



Analysis / Test Report



TESTING
No.0042

Client : BASF (Thai) Limited
111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Puakdaeng, Amphur Puakdaeng,
Rayong Thailand 21140
P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2646577
Date Received : Jun 16, 2026
Date Reported : Jun 19, 2026
Report Number: 3601359-1

Page 1 of 1

Sample Number	2646577-2
Parameter	Noise (Leq 24 hrs.)
Location	สิ่งแวดล้อมที่ติดกับภายในโรงงาน (GPS 47P 0733191, 1438992)
Measurement Date	Jun 09 - Jun 10, 2026
Measurement by	Chatchai Sukpia
Sound Level meter	Serial No. 920831

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	56.6	71.5	55.4
11:00 AM - 12:00 PM	56.6	64.0	55.5
12:00 PM - 01:00 PM	56.2	61.9	55.2
01:00 PM - 02:00 PM	56.9	65.7	55.9
02:00 PM - 03:00 PM	57.2	66.4	56.0
03:00 PM - 04:00 PM	57.1	70.5	55.9
04:00 PM - 05:00 PM	56.7	65.0	55.7
05:00 PM - 06:00 PM	56.6	66.5	55.6
06:00 PM - 07:00 PM	57.3	68.5	56.2
07:00 PM - 08:00 PM	56.9	63.6	56.0
08:00 PM - 09:00 PM	57.0	68.4	56.2
09:00 PM - 10:00 PM	56.9	61.9	56.1
10:00 PM - 11:00 PM	56.6	65.9	55.8
11:00 PM - 12:00 AM	56.7	76.2	55.8
12:00 AM - 01:00 AM	56.6	64.1	55.7
01:00 AM - 02:00 AM	56.4	65.4	55.6
02:00 AM - 03:00 AM	56.4	61.7	55.7
03:00 AM - 04:00 AM	56.4	67.8	55.6
04:00 AM - 05:00 AM	56.7	63.1	55.9
05:00 AM - 06:00 AM	57.0	71.0	56.1
06:00 AM - 07:00 AM	56.6	65.0	55.8
07:00 AM - 08:00 AM	56.7	69.9	55.8
08:00 AM - 09:00 AM	56.5	70.8	55.3
09:00 AM - 10:00 AM	56.2	61.6	55.2

Leq Average 24 hrs. (dB(A))	56.7		
Lmax (dB(A))		76.2	
L90 (dB(A))			55.8
Ldn (dB(A))	63.0		
Standard (dB(A))	70	115	
Reference Method : ISO 1996-1 : 2016			
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)

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Supot Salamteht
Section Head

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S:\Reports_Air Noise.rpt (1:45PM)



Analysis / Test Report



TESTING
No.0042

Client : BASF (Thai) Limited
111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Puakdaeng, Amphur Puakdaeng,
Rayong Thailand 21140
P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2646577
Date Received : Jun 16, 2026
Date Reported : Jun 19, 2026
Report Number: 3601360-1

Page 1 of 1

Sample Number	2646577-3
Parameter	Noise (Leq 24 hrs.)
Location	สิ่งแวดล้อมที่ติดกับภายในโรงงาน (GPS 47P 0733191, 1438992)
Measurement Date	Jun 10 - Jun 11, 2026
Measurement by	Chatchai Sukpia
Sound Level meter	Serial No. 920831

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	58.4	82.7	55.8
11:00 AM - 12:00 PM	56.3	66.7	55.2
12:00 PM - 01:00 PM	56.3	67.0	55.2
01:00 PM - 02:00 PM	56.7	65.6	55.5
02:00 PM - 03:00 PM	56.4	66.3	55.3
03:00 PM - 04:00 PM	58.1	72.3	56.6
04:00 PM - 05:00 PM	57.0	71.0	55.7
05:00 PM - 06:00 PM	56.7	65.6	55.6
06:00 PM - 07:00 PM	57.0	66.1	56.0
07:00 PM - 08:00 PM	56.9	62.6	55.9
08:00 PM - 09:00 PM	57.5	65.2	56.3
09:00 PM - 10:00 PM	57.4	71.3	56.5
10:00 PM - 11:00 PM	60.7	84.8	57.6
11:00 PM - 12:00 AM	59.6	79.6	57.7
12:00 AM - 01:00 AM	57.6	61.5	57.0
01:00 AM - 02:00 AM	57.5	67.0	56.9
02:00 AM - 03:00 AM	57.5	62.8	56.9
03:00 AM - 04:00 AM	57.2	62.1	56.6
04:00 AM - 05:00 AM	57.4	70.0	56.7
05:00 AM - 06:00 AM	58.0	73.2	57.3
06:00 AM - 07:00 AM	57.6	70.1	57.0
07:00 AM - 08:00 AM	57.6	67.2	56.9
08:00 AM - 09:00 AM	57.0	62.8	56.4
09:00 AM - 10:00 AM	56.8	70.8	56.0

Leq Average 24 hrs. (dB(A))	57.6		
Lmax (dB(A))		84.8	
L90 (dB(A))			56.4
Ldn (dB(A))	64.5		
Standard (dB(A))	70	115	
Reference Method : ISO 1996-1 : 2016			
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
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Analysis / Test Report



TESTING
No.0042

Client : BASF (Thai) Limited
111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Puakdaeng, Amphur Puakdaeng,
Rayong Thailand 21140
P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2646577
Date Received : Jun 16, 2026
Date Reported : Jun 19, 2026
Report Number: 3601361-1

Page 1 of 1

Sample Number	2646577-4
Parameter	Noise (Leq 24 hrs.)
Location	สิ่งแวดล้อมที่ติดกับภายในโรงงาน (GPS 47P 0733191, 1438992)
Measurement Date	Jun 11 - Jun 12, 2026
Measurement by	Chatchai Sukpia
Sound Level meter	Serial No. 920831

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	55.8	60.7	52.0
11:00 AM - 12:00 PM	56.6	72.7	55.5
12:00 PM - 01:00 PM	56.0	61.5	55.0
01:00 PM - 02:00 PM	56.1	63.9	55.1
02:00 PM - 03:00 PM	57.5	63.9	56.3
03:00 PM - 04:00 PM	56.9	66.0	55.9
04:00 PM - 05:00 PM	57.0	65.5	56.0
05:00 PM - 06:00 PM	57.5	72.6	56.3
06:00 PM - 07:00 PM	59.5	72.4	57.9
07:00 PM - 08:00 PM	57.9	63.8	57.0
08:00 PM - 09:00 PM	57.8	78.3	56.9
09:00 PM - 10:00 PM	56.9	71.0	56.1
10:00 PM - 11:00 PM	56.6	66.7	55.8
11:00 PM - 12:00 AM	57.0	61.3	56.3
12:00 AM - 01:00 AM	56.8	61.2	56.1
01:00 AM - 02:00 AM	56.7	67.3	55.9
02:00 AM - 03:00 AM	56.7	67.8	55.9
03:00 AM - 04:00 AM	56.4	63.3	55.6
04:00 AM - 05:00 AM	56.8	61.7	56.1
05:00 AM - 06:00 AM	57.2	69.1	56.2
06:00 AM - 07:00 AM	57.1	69.3	56.1
07:00 AM - 08:00 AM	57.2	76.4	56.3
08:00 AM - 09:00 AM	57.3	74.0	56.2
09:00 AM - 10:00 AM	56.6	73.7	55.7

Leq Average 24 hrs. (dB(A))	57.3		
Lmax (dB(A))		82.0	
L90 (dB(A))			56.1
Ldn (dB(A))	63.3		
Standard (dB(A))	70	115	
Reference Method : ISO 1996-1 : 2016			
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
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Approved by

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Supot Salamteht
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Analysis / Test Report



TESTING
No.0042

Client : BASF (Thai) Limited
111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Puakdaeng, Amphur Puakdaeng,
Rayong Thailand 21140
P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2646577
Date Received : Jun 16, 2026
Date Reported : Jun 19, 2026
Report Number: 3601362-1

Page 1 of 1

Sample Number	2646577-5		
Parameter	Noise (Leq 24 hrs.)		
Location	สิ่งแวดล้อมด้านทิศเหนือภายในโรงงาน (GPS 47P 0733191, 1438992)		
Measurement Date	Jun 12 - Jun 13, 2026		
Measurement by	Chatchai Sukpia		
Sound Level meter	Serial No. 920831		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	59.1	80.9	55.8
11:00 AM - 12:00 PM	56.9	67.2	55.9
12:00 PM - 01:00 PM	56.4	63.5	55.5
01:00 PM - 02:00 PM	56.7	62.2	55.8
02:00 PM - 03:00 PM	56.7	61.6	55.8
03:00 PM - 04:00 PM	56.6	64.7	55.6
04:00 PM - 05:00 PM	56.8	67.7	55.8
05:00 PM - 06:00 PM	56.7	65.0	55.7
06:00 PM - 07:00 PM	57.2	68.7	56.3
07:00 PM - 08:00 PM	57.1	64.7	56.2
08:00 PM - 09:00 PM	57.1	68.2	56.4
09:00 PM - 10:00 PM	56.9	60.6	56.2
10:00 PM - 11:00 PM	56.6	65.8	55.9
11:00 PM - 12:00 AM	56.7	70.4	56.0
12:00 AM - 01:00 AM	57.1	66.1	56.4
01:00 AM - 02:00 AM	57.4	64.5	56.7
02:00 AM - 03:00 AM	57.1	61.9	56.5
03:00 AM - 04:00 AM	56.5	62.7	55.9
04:00 AM - 05:00 AM	56.9	67.8	56.2
05:00 AM - 06:00 AM	57.3	68.9	56.5
06:00 AM - 07:00 AM	57.1	62.3	56.5
07:00 AM - 08:00 AM	56.9	73.0	56.2
08:00 AM - 09:00 AM	56.6	67.7	55.7
09:00 AM - 10:00 AM	56.8	62.7	55.9
Leq Average 24 hrs. (dB(A))	57.0		
Lmax (dB(A))		80.9	
L90 (dB(A))			55.9
Ldn (dB(A))	63.4		
Standard (dB(A))	70	115	
Reference Method : ISO 1996-1 : 2016			
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

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Supot Salamteh
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Analysis / Test Report



TESTING
No.0042

Client : BASF (Thai) Limited
111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Puakdaeng, Amphur Puakdaeng,
Rayong Thailand 21140
P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2646577
Date Received : Jun 16, 2026
Date Reported : Jun 19, 2026
Report Number: 3601363-1

Page 1 of 1

Sample Number	2646577-6		
Parameter	Noise (Leq 24 hrs.)		
Location	สิ่งแวดล้อมด้านทิศเหนือภายในโรงงาน (GPS 47P 0733191, 1438992)		
Measurement Date	Jun 13 - Jun 14, 2026		
Measurement by	Chatchai Sukpia		
Sound Level meter	Serial No. 920831		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	58.2	79.1	56.8
11:00 AM - 12:00 PM	57.2	63.5	56.0
12:00 PM - 01:00 PM	56.7	63.0	55.5
01:00 PM - 02:00 PM	56.8	62.2	55.8
02:00 PM - 03:00 PM	56.7	64.2	55.7
03:00 PM - 04:00 PM	56.5	62.0	55.5
04:00 PM - 05:00 PM	57.0	70.6	55.9
05:00 PM - 06:00 PM	56.7	67.5	55.7
06:00 PM - 07:00 PM	57.3	69.1	56.2
07:00 PM - 08:00 PM	56.8	61.8	56.1
08:00 PM - 09:00 PM	56.9	71.5	56.0
09:00 PM - 10:00 PM	56.8	62.5	56.1
10:00 PM - 11:00 PM	56.7	70.0	56.5
11:00 PM - 12:00 AM	56.9	61.2	56.2
12:00 AM - 01:00 AM	57.0	65.2	56.2
01:00 AM - 02:00 AM	57.0	64.8	56.3
02:00 AM - 03:00 AM	56.7	59.9	56.0
03:00 AM - 04:00 AM	56.4	62.8	55.7
04:00 AM - 05:00 AM	57.2	71.5	56.1
05:00 AM - 06:00 AM	56.8	70.2	55.9
06:00 AM - 07:00 AM	56.6	69.3	55.9
07:00 AM - 08:00 AM	56.5	62.0	55.6
08:00 AM - 09:00 AM	57.2	72.9	55.9
09:00 AM - 10:00 AM	56.7	63.3	55.5
Leq Average 24 hrs. (dB(A))	56.9		
Lmax (dB(A))		79.1	
L90 (dB(A))			55.9
Ldn (dB(A))	63.2		
Standard (dB(A))	70	115	
Reference Method : ISO 1996-1 : 2016			
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 (1:46PM)



Analysis / Test Report



TESTING
No.0042

Client : BASF (Thai) Limited
111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Puakdaeng, Amphur Puakdaeng,
Rayong Thailand 21140
P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2646577
Date Received : Jun 16, 2026
Date Reported : Jun 19, 2026
Report Number: 3601364-1

Page 1 of 1

Sample Number	2646577-7		
Parameter	Noise (Leq 24 hrs.)		
Location	สิ่งแวดล้อมด้านทิศเหนือภายในโรงงาน (GPS 47P 0733191, 1438992)		
Measurement Date	Jun 14 - Jun 15, 2026		
Measurement by	Chatchai Sukpia		
Sound Level meter	Serial No. 920831		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	56.3	63.2	55.2
11:00 AM - 12:00 PM	56.0	61.9	54.9
12:00 PM - 01:00 PM	55.9	65.0	54.8
01:00 PM - 02:00 PM	56.2	61.4	55.2
02:00 PM - 03:00 PM	56.3	63.5	55.2
03:00 PM - 04:00 PM	57.2	66.8	55.8
04:00 PM - 05:00 PM	56.4	74.6	55.1
05:00 PM - 06:00 PM	56.3	69.4	55.1
06:00 PM - 07:00 PM	57.0	68.3	55.9
07:00 PM - 08:00 PM	56.5	76.4	55.5
08:00 PM - 09:00 PM	56.6	74.4	55.6
09:00 PM - 10:00 PM	56.4	69.1	55.4
10:00 PM - 11:00 PM	56.3	62.4	55.5
11:00 PM - 12:00 AM	56.3	63.3	55.5
12:00 AM - 01:00 AM	56.3	60.4	55.6
01:00 AM - 02:00 AM	56.3	62.1	55.6
02:00 AM - 03:00 AM	56.1	64.9	55.5
03:00 AM - 04:00 AM	56.1	63.8	55.4
04:00 AM - 05:00 AM	56.2	69.1	55.6
05:00 AM - 06:00 AM	56.8	69.8	55.8
06:00 AM - 07:00 AM	56.2	64.8	55.5
07:00 AM - 08:00 AM	56.3	63.1	55.6
08:00 AM - 09:00 AM	56.2	67.7	55.4
09:00 AM - 10:00 AM	56.7	70.5	55.6
Leq Average 24 hrs. (dB(A))	56.4		
Lmax (dB(A))		76.4	
L90 (dB(A))			55.5
Ldn (dB(A))	62.7		
Standard (dB(A))	70	115	
Reference Method : ISO 1996-1 : 2016			
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 : BASF (Thai) Limited
111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Puakdaeng, Amphur Puakdaeng,
Rayong Thailand 21140
P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2646577
Date Received : Jun 16, 2026
Date Reported : Jun 19, 2026
Report Number: 3601365-1

Page 1 of 1

Sample Number	2646577-8		
Parameter	Noise (Leq 24 hrs.)		
Location	สิ่งแวดล้อมด้านทิศเหนือภายในโรงงาน (GPS 47P 0733219, 1438820)		
Measurement Date	Jun 08 - Jun 09, 2026		
Measurement by	Chatchai Sukpia		
Sound Level meter	Serial No. 1120938		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	64.3	84.3	63.0
11:00 AM - 12:00 PM	63.9	80.7	62.6
12:00 PM - 01:00 PM	65.4	82.9	63.7
01:00 PM - 02:00 PM	64.2	82.1	63.0
02:00 PM - 03:00 PM	63.8	69.4	63.0
03:00 PM - 04:00 PM	63.3	80.3	62.6
04:00 PM - 05:00 PM	63.2	75.5	62.4
05:00 PM - 06:00 PM	63.4	75.8	62.6
06:00 PM - 07:00 PM	63.6	75.5	62.9
07:00 PM - 08:00 PM	63.5	71.7	62.8
08:00 PM - 09:00 PM	61.7	68.7	61.6
09:00 PM - 10:00 PM	61.4	76.1	60.9
10:00 PM - 11:00 PM	60.3	74.9	59.7
11:00 PM - 12:00 AM	60.6	66.8	60.1
12:00 AM - 01:00 AM	61.7	66.3	61.3
01:00 AM - 02:00 AM	60.8	64.1	60.5
02:00 AM - 03:00 AM	60.2	71.0	59.8
03:00 AM - 04:00 AM	61.0	66.0	60.5
04:00 AM - 05:00 AM	61.7	70.7	61.2
05:00 AM - 06:00 AM	61.8	73.2	61.2
06:00 AM - 07:00 AM	62.5	72.9	61.9
07:00 AM - 08:00 AM	63.7	76.0	63.0
08:00 AM - 09:00 AM	63.9	77.7	63.0
09:00 AM - 10:00 AM	63.9	76.2	63.1
Leq Average 24 hrs. (dB(A))	62.9		
Lmax (dB(A))		84.3	
L90 (dB(A))			62.4
Ldn (dB(A))	68.1		
Standard (dB(A))	70	115	
Reference Method : ISO 1996-1 : 2016			
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 (1:46PM)



Analysis / Test Report



TESTING
No.0042

Client : BASF (Thai) Limited

111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Puakdaeng, Amphur Puakdaeng,
Rayong Thailand 21140

P/O : 4995744917

Project Name : Monitoring

Project Location :

Lot ID: 2646577

Date Received : Jun 16, 2026

Date Reported : Jun 19, 2026

Report Number: 3601366-1

Page 1 of 1

Sample Number	2646577-9		
Parameter	Noise (Leq 24 hrs.)		
Location	ห้องกลางบริเวณที่พักภายในโรงงาน (GPS 47P 0733219, 1438820)		
Measurement Date	Jun 09 - Jun 10, 2026		
Measurement by	Chatchai Sukpia		
Sound Level meter	Serial No. 1120938		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	64.3	82.5	62.9
11:00 AM - 12:00 PM	64.3	87.1	62.6
12:00 PM - 01:00 PM	63.8	79.1	62.8
01:00 PM - 02:00 PM	63.4	72.6	62.7
02:00 PM - 03:00 PM	63.9	83.4	62.9
03:00 PM - 04:00 PM	63.8	80.1	62.9
04:00 PM - 05:00 PM	63.5	71.8	62.8
05:00 PM - 06:00 PM	63.5	75.8	62.8
06:00 PM - 07:00 PM	63.8	76.3	63.1
07:00 PM - 08:00 PM	63.8	75.1	62.9
08:00 PM - 09:00 PM	63.8	69.7	63.1
09:00 PM - 10:00 PM	63.6	69.3	62.9
10:00 PM - 11:00 PM	63.6	68.2	62.9
11:00 PM - 12:00 AM	63.5	67.6	62.8
12:00 AM - 01:00 AM	63.6	70.0	62.9
01:00 AM - 02:00 AM	63.5	66.8	62.8
02:00 AM - 03:00 AM	63.7	62.9	62.1
03:00 AM - 04:00 AM	64.1	67.8	63.3
04:00 AM - 05:00 AM	63.9	68.3	63.2
05:00 AM - 06:00 AM	63.8	68.8	63.1
06:00 AM - 07:00 AM	64.0	71.6	63.2
07:00 AM - 08:00 AM	64.1	75.5	63.2
08:00 AM - 09:00 AM	63.9	78.0	62.9
09:00 AM - 10:00 AM	63.6	79.4	62.6
Leq Average 24 hrs. (dB(A))	63.8		
Lmax (dB(A))		87.1	
L90 (dB(A))			62.9
Ldn (dB(A))	70.2		
Standard (dB(A))	70	115	
Reference Method	: ISO 1996-1 : 2016		
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 Salamteh
Section Head

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S:\Reports_Air Noise.rpt (1:46PM)



Analysis / Test Report



TESTING
No.0042

Client : BASF (Thai) Limited

111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Puakdaeng, Amphur Puakdaeng,
Rayong Thailand 21140

P/O : 4995744917

Project Name : Monitoring

Project Location :

Lot ID: 2646577

Date Received : Jun 16, 2026

Date Reported : Jun 19, 2026

Report Number: 3601367-1

Page 1 of 1

Sample Number	2646577-10		
Parameter	Noise (Leq 24 hrs.)		
Location	ห้องกลางบริเวณที่พักภายในโรงงาน (GPS 47P 0733219, 1438820)		
Measurement Date	Jun 10 - Jun 11, 2026		
Measurement by	Chatchai Sukpia		
Sound Level meter	Serial No. 1120938		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	64.0	82.3	62.7
11:00 AM - 12:00 PM	63.3	81.8	62.5
12:00 PM - 01:00 PM	63.3	69.3	62.6
01:00 PM - 02:00 PM	63.3	68.6	62.6
02:00 PM - 03:00 PM	63.0	69.7	62.3
03:00 PM - 04:00 PM	63.1	71.3	62.4
04:00 PM - 05:00 PM	63.3	70.9	62.6
05:00 PM - 06:00 PM	63.5	69.8	62.8
06:00 PM - 07:00 PM	63.7	74.7	62.9
07:00 PM - 08:00 PM	63.7	70.9	62.9
08:00 PM - 09:00 PM	63.6	67.8	62.9
09:00 PM - 10:00 PM	63.2	67.7	62.5
10:00 PM - 11:00 PM	65.8	81.9	63.7
11:00 PM - 12:00 AM	65.1	77.7	63.8
12:00 AM - 01:00 AM	62.0	67.5	61.5
01:00 AM - 02:00 AM	60.2	66.0	59.8
02:00 AM - 03:00 AM	61.1	67.3	60.3
03:00 AM - 04:00 AM	62.2	67.2	61.0
04:00 AM - 05:00 AM	61.8	69.3	60.9
05:00 AM - 06:00 AM	60.8	74.6	60.3
06:00 AM - 07:00 AM	61.8	73.0	61.2
07:00 AM - 08:00 AM	61.7	74.6	61.1
08:00 AM - 09:00 AM	61.9	81.6	61.0
09:00 AM - 10:00 AM	61.9	79.6	61.2
Leq Average 24 hrs. (dB(A))	63.0		
Lmax (dB(A))		82.3	
L90 (dB(A))			62.4
Ldn (dB(A))	69.2		
Standard (dB(A))	70	115	
Reference Method	: ISO 1996-1 : 2016		
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 Salamteh
Section Head

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S:\Reports_Air Noise.rpt (1:47PM)



Analysis / Test Report



TESTING
No.0042

Client : BASF (Thai) Limited

111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Puakdaeng, Amphur Puakdaeng,
Rayong Thailand 21140

P/O : 4995744917

Project Name : Monitoring

Project Location :

Lot ID: 2646577

Date Received : Jun 16, 2026

Date Reported : Jun 19, 2026

Report Number: 3601368-1

Page 1 of 1

Sample Number	2646577-11		
Parameter	Noise (Leq 24 hrs.)		
Location	ห้องกลางบริเวณที่พักภายในโรงงาน (GPS 47P 0733219, 1438820)		
Measurement Date	Jun 11 - Jun 12, 2026		
Measurement by	Chatchai Sukpia		
Sound Level meter	Serial No. 1120938		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	62.4	78.7	60.7
11:00 AM - 12:00 PM	61.2	78.1	60.5
12:00 PM - 01:00 PM	59.9	72.2	59.3
01:00 PM - 02:00 PM	60.3	73.0	59.6
02:00 PM - 03:00 PM	60.6	75.1	59.8
03:00 PM - 04:00 PM	62.0	90.4	60.7
04:00 PM - 05:00 PM	62.1	71.6	61.4
05:00 PM - 06:00 PM	62.8	72.4	62.0
06:00 PM - 07:00 PM	64.2	78.7	63.4
07:00 PM - 08:00 PM	64.2	74.4	63.5
08:00 PM - 09:00 PM	64.2	85.0	63.5
09:00 PM - 10:00 PM	64.0	70.1	63.4
10:00 PM - 11:00 PM	64.2	69.4	63.5
11:00 PM - 12:00 AM	63.9	67.4	63.3
12:00 AM - 01:00 AM	63.9	67.3	63.2
01:00 AM - 02:00 AM	64.1	75.9	63.4
02:00 AM - 03:00 AM	64.7	68.7	63.9
03:00 AM - 04:00 AM	65.0	67.8	64.3
04:00 AM - 05:00 AM	64.6	70.6	63.9
05:00 AM - 06:00 AM	64.3	70.1	63.7
06:00 AM - 07:00 AM	64.3	69.7	63.7
07:00 AM - 08:00 AM	64.0	78.4	63.2
08:00 AM - 09:00 AM	63.9	79.2	62.9
09:00 AM - 10:00 AM	63.7	81.0	62.8
Leq Average 24 hrs. (dB(A))	63.5		
Lmax (dB(A))		90.4	
L90 (dB(A))			63.2
Ldn (dB(A))	70.6		
Standard (dB(A))	70	115	
Reference Method	: ISO 1996-1 : 2016		
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 Salamteh
Section Head

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S:\Reports_Air Noise.rpt (1:47PM)



Analysis / Test Report



TESTING
No.0042

Client : BASF (Thai) Limited

111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Puakdaeng, Amphur Puakdaeng,
Rayong Thailand 21140

P/O : 4995744917

Project Name : Monitoring

Project Location :

Lot ID: 2646577

Date Received : Jun 16, 2026

Date Reported : Jun 19, 2026

Report Number: 3601369-1

Page 1 of 1

Sample Number	2646577-12		
Parameter	Noise (Leq 24 hrs.)		
Location	ห้องกลางบริเวณที่พักภายในโรงงาน (GPS 47P 0733219, 1438820)		
Measurement Date	Jun 12 - Jun 13, 2026		
Measurement by	Chatchai Sukpia		
Sound Level meter	Serial No. 1120938		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	62.4	82.8	62.5
11:00 AM - 12:00 PM	63.4	78.4	62.2
12:00 PM - 01:00 PM	63.5	82.5	62.5
01:00 PM - 02:00 PM	63.8	73.8	63.0
02:00 PM - 03:00 PM	64.0	79.1	63.2
03:00 PM - 04:00 PM	63.8	81.0	63.1
04:00 PM - 05:00 PM	63.7	74.7	63.0
05:00 PM - 06:00 PM	64.3	81.3	62.8
06:00 PM - 07:00 PM	63.8	78.4	63.0
07:00 PM - 08:00 PM	63.9	83.1	63.1
08:00 PM - 09:00 PM	63.9	67.3	63.2
09:00 PM - 10:00 PM	64.1	67.7	63.4
10:00 PM - 11:00 PM	64.1	68.5	63.4
11:00 PM - 12:00 AM	64.2	67.9	63.5
12:00 AM - 01:00 AM	64.2	70.5	63.5
01:00 AM - 02:00 AM	64.0	67.2	63.2
02:00 AM - 03:00 AM	64.5	67.9	63.7
03:00 AM - 04:00 AM	64.8	67.5	63.9
04:00 AM - 05:00 AM	64.3	70.4	63.5
05:00 AM - 06:00 AM	63.9	70.3	63.2
06:00 AM - 07:00 AM	64.0	74.6	63.3
07:00 AM - 08:00 AM	63.8	75.3	63.1
08:00 AM - 09:00 AM	63.9	84.4	63.0
09:00 AM - 10:00 AM	63.9	75.7	63.2
Leq Average 24 hrs. (dB(A))	64.0		
Lmax (dB(A))		84.4	
L90 (dB(A))			63.2
Ldn (dB(A))	70.6		
Standard (dB(A))	70	115	
Reference Method	: ISO 1996-1 : 2016		
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 Salamteh
Section Head

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S:\Reports_Air Noise.rpt (1:47PM)



Analysis / Test Report



TESTING
No.0042

Client : BASF (Thai) Limited
111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Puakdaeng, Amphur Puakdaeng,
Rayong Thailand 21140
P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2646577
Date Received : Jun 16, 2026
Date Reported : Jun 19, 2026
Report Number: 3601370-1

Page 1 of 1

Sample Number	2646577-13		
Parameter	Noise (Leq 24 hrs.)		
Location	สิ่งกลางรั้วด้านทิศใต้ภายในโรงงาน (GPS 47P 0733219, 1438820)		
Measurement Date	Jun 13 - Jun 14, 2026		
Measurement by	Chatchai Sukpia		
Sound Level meter	Serial No. 1120938		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	63.9	79.9	63.1
11:00 AM - 12:00 PM	63.9	81.5	63.2
12:00 PM - 01:00 PM	64.2	80.6	63.2
01:00 PM - 02:00 PM	63.9	78.4	63.0
02:00 PM - 03:00 PM	64.4	80.7	63.2
03:00 PM - 04:00 PM	63.4	72.4	62.8
04:00 PM - 05:00 PM	64.3	75.4	63.2
05:00 PM - 06:00 PM	63.5	74.2	62.8
06:00 PM - 07:00 PM	63.2	71.9	62.6
07:00 PM - 08:00 PM	63.7	73.4	63.1
08:00 PM - 09:00 PM	63.6	69.6	62.9
09:00 PM - 10:00 PM	63.6	66.8	63.0
10:00 PM - 11:00 PM	63.7	68.9	63.1
11:00 PM - 12:00 AM	63.8	67.8	63.0
12:00 AM - 01:00 AM	63.9	68.5	63.2
01:00 AM - 02:00 AM	63.8	72.4	63.1
02:00 AM - 03:00 AM	64.1	67.2	63.4
03:00 AM - 04:00 AM	64.8	67.9	63.9
04:00 AM - 05:00 AM	64.4	67.4	63.6
05:00 AM - 06:00 AM	64.0	74.9	63.3
06:00 AM - 07:00 AM	63.9	70.0	63.2
07:00 AM - 08:00 AM	63.8	75.6	63.0
08:00 AM - 09:00 AM	63.6	70.8	63.0
09:00 AM - 10:00 AM	63.4	66.7	62.8
Leq Average 24 hrs. (dB(A))	63.9		
Lmax (dB(A))		81.5	
L90 (dB(A))			63.1
Ldn (dB(A))	70.4		
Standard (dB(A))	70	115	
Reference Method : ISO 1996-1 : 2016			
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 Salamteht
Section Head

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Analysis / Test Report



TESTING
No.0042

Client : BASF (Thai) Limited
111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Puakdaeng, Amphur Puakdaeng,
Rayong Thailand 21140
P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2646577
Date Received : Jun 16, 2026
Date Reported : Jun 19, 2026
Report Number: 3601371-1

Page 1 of 1

Sample Number	2646577-14		
Parameter	Noise (Leq 24 hrs.)		
Location	สิ่งกลางรั้วด้านทิศใต้ภายในโรงงาน (GPS 47P 0733219, 1438820)		
Measurement Date	Jun 14 - Jun 15, 2026		
Measurement by	Chatchai Sukpia		
Sound Level meter	Serial No. 1120938		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	63.4	68.1	62.7
11:00 AM - 12:00 PM	63.6	70.1	63.0
12:00 PM - 01:00 PM	63.6	67.3	63.0
01:00 PM - 02:00 PM	63.7	71.0	63.1
02:00 PM - 03:00 PM	63.6	68.3	63.0
03:00 PM - 04:00 PM	63.7	70.5	63.0
04:00 PM - 05:00 PM	62.8	74.0	62.0
05:00 PM - 06:00 PM	62.0	75.7	61.2
06:00 PM - 07:00 PM	63.0	71.7	62.3
07:00 PM - 08:00 PM	63.3	67.9	62.7
08:00 PM - 09:00 PM	63.4	76.7	62.8
09:00 PM - 10:00 PM	63.5	71.8	62.8
10:00 PM - 11:00 PM	63.6	66.9	62.9
11:00 PM - 12:00 AM	63.8	66.9	63.2
12:00 AM - 01:00 AM	63.9	69.3	63.2
01:00 AM - 02:00 AM	63.9	69.7	63.2
02:00 AM - 03:00 AM	63.9	66.7	63.2
03:00 AM - 04:00 AM	64.3	67.2	63.6
04:00 AM - 05:00 AM	64.6	67.5	63.8
05:00 AM - 06:00 AM	63.9	71.6	63.1
06:00 AM - 07:00 AM	64.0	75.4	63.2
07:00 AM - 08:00 AM	64.0	78.6	63.2
08:00 AM - 09:00 AM	63.7	80.0	62.9
09:00 AM - 10:00 AM	63.6	82.9	62.8
Leq Average 24 hrs. (dB(A))	63.6		
Lmax (dB(A))		82.9	
L90 (dB(A))			63.0
Ldn (dB(A))	70.3		
Standard (dB(A))	70	115	
Reference Method : ISO 1996-1 : 2016			
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

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Supot Salamteht
Section Head

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S:\Reports_Air Noise.rpt (1:48PM)



Analysis / Test Report



TESTING
No.0042

Client : BASF (Thai) Limited
111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Puakdaeng, Amphur Puakdaeng,
Rayong Thailand 21140
P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2646577
Date Received : Jun 16, 2026
Date Reported : Jun 19, 2026
Report Number: 3601372-1

Page 1 of 1

Sample Number	2646577-15		
Parameter	Noise (Leq 24 hrs.)		
Location	สิ่งกลางรั้วด้านทิศตะวันตกภายในโรงงาน (GPS 47P 0733052, 1438860)		
Measurement Date	Jun 08 - Jun 09, 2026		
Measurement by	Chatchai Sukpia		
Sound Level meter	Serial No. 1120936		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	60.1	69.2	58.9
11:00 AM - 12:00 PM	60.1	68.3	58.9
12:00 PM - 01:00 PM	60.2	69.6	59.1
01:00 PM - 02:00 PM	59.7	66.4	59.0
02:00 PM - 03:00 PM	60.8	75.1	59.7
03:00 PM - 04:00 PM	60.4	73.3	59.5
04:00 PM - 05:00 PM	60.2	73.8	59.4
05:00 PM - 06:00 PM	60.0	72.9	59.2
06:00 PM - 07:00 PM	60.8	76.5	59.5
07:00 PM - 08:00 PM	60.3	66.9	59.1
08:00 PM - 09:00 PM	59.5	66.5	58.4
09:00 PM - 10:00 PM	60.1	68.4	59.0
10:00 PM - 11:00 PM	61.2	76.4	60.0
11:00 PM - 12:00 AM	63.2	76.2	61.6
12:00 AM - 01:00 AM	61.9	70.4	60.9
01:00 AM - 02:00 AM	61.6	82.1	60.6
02:00 AM - 03:00 AM	60.6	75.7	59.6
03:00 AM - 04:00 AM	60.5	69.6	59.5
04:00 AM - 05:00 AM	61.2	69.9	60.2
05:00 AM - 06:00 AM	61.4	74.7	60.1
06:00 AM - 07:00 AM	60.7	69.3	59.6
07:00 AM - 08:00 AM	59.9	65.4	59.0
08:00 AM - 09:00 AM	59.9	64.0	59.0
09:00 AM - 10:00 AM	60.5	74.0	59.4
Leq Average 24 hrs. (dB(A))	60.7		
Lmax (dB(A))		82.1	
L90 (dB(A))			59.4
Ldn (dB(A))	67.7		
Standard (dB(A))	70	115	
Reference Method : ISO 1996-1 : 2016			
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

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Supot Salamteht
Section Head

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Analysis / Test Report



TESTING
No.0042

Client : BASF (Thai) Limited
111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Puakdaeng, Amphur Puakdaeng,
Rayong Thailand 21140
P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2646577
Date Received : Jun 16, 2026
Date Reported : Jun 19, 2026
Report Number: 3601373-1

Page 1 of 1

Sample Number	2646577-16		
Parameter	Noise (Leq 24 hrs.)		
Location	สิ่งกลางรั้วด้านทิศตะวันตกภายในโรงงาน (GPS 47P 0733052, 1438860)		
Measurement Date	Jun 09 - Jun 10, 2026		
Measurement by	Chatchai Sukpia		
Sound Level meter	Serial No. 1120936		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	60.1	70.9	59.0
11:00 AM - 12:00 PM	60.6	72.3	59.7
12:00 PM - 01:00 PM	61.3	82.4	59.9
01:00 PM - 02:00 PM	60.7	68.2	59.5
02:00 PM - 03:00 PM	59.8	66.2	58.9
03:00 PM - 04:00 PM	60.4	67.3	59.7
04:00 PM - 05:00 PM	60.5	71.9	59.7
05:00 PM - 06:00 PM	60.4	73.8	59.3
06:00 PM - 07:00 PM	59.8	66.9	59.0
07:00 PM - 08:00 PM	60.0	64.0	59.3
08:00 PM - 09:00 PM	59.9	65.7	59.2
09:00 PM - 10:00 PM	59.9	71.4	59.3
10:00 PM - 11:00 PM	60.1	63.8	59.4
11:00 PM - 12:00 AM	59.8	69.0	59.2
12:00 AM - 01:00 AM	59.8	73.6	59.2
01:00 AM - 02:00 AM	60.3	69.3	59.6
02:00 AM - 03:00 AM	60.8	77.6	59.8
03:00 AM - 04:00 AM	59.9	77.3	59.0
04:00 AM - 05:00 AM	62.3	84.0	59.0
05:00 AM - 06:00 AM	59.9	70.3	59.0
06:00 AM - 07:00 AM	60.0	69.3	59.1
07:00 AM - 08:00 AM	59.9	67.5	59.2
08:00 AM - 09:00 AM	60.1	79.6	59.2
09:00 AM - 10:00 AM	60.1	67.5	59.3
Leq Average 24 hrs. (dB(A))	60.3		
Lmax (dB(A))		84.0	
L90 (dB(A))			59.2
Ldn (dB(A))	66.8		
Standard (dB(A))	70	115	
Reference Method : ISO 1996-1 : 2016			
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

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Supot Salamteht
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S:\Reports_Air Noise.rpt (1:48PM)



Analysis / Test Report



TESTING
No.0042

Client : BASF (Thai) Limited
111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Puakdaeng, Amphur Puakdaeng,
Rayong Thailand 21140
P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2646577
Date Received : Jun 16, 2026
Date Reported : Jun 19, 2026
Report Number: 3601374-1

Page 1 of 1

Sample Number	2646577-17		
Parameter	Noise (Leq 24 hrs.)		
Location	ห้องกลางบริเวณที่พักอาศัยในโรงงาน (GPS 47P 0733052, 1438860)		
Measurement Date	Jun 10 - Jun 11, 2026		
Measurement by	Chatchai Sukpia		
Sound Level meter	Serial No. 1120936		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	60.2	69.2	59.5
11:00 AM - 12:00 PM	59.9	66.8	59.0
12:00 PM - 01:00 PM	60.4	70.1	59.1
01:00 PM - 02:00 PM	59.9	77.9	58.6
02:00 PM - 03:00 PM	59.3	72.7	58.2
03:00 PM - 04:00 PM	60.3	80.0	59.2
04:00 PM - 05:00 PM	60.0	72.7	59.0
05:00 PM - 06:00 PM	59.9	72.4	59.1
06:00 PM - 07:00 PM	59.8	65.1	59.1
07:00 PM - 08:00 PM	60.4	73.3	59.7
08:00 PM - 09:00 PM	61.0	74.0	60.0
09:00 PM - 10:00 PM	60.5	70.9	59.8
10:00 PM - 11:00 PM	59.7	68.6	58.8
11:00 PM - 12:00 AM	61.8	75.5	60.1
12:00 AM - 01:00 AM	59.8	70.5	58.7
01:00 AM - 02:00 AM	60.2	69.1	59.2
02:00 AM - 03:00 AM	60.6	69.6	59.5
03:00 AM - 04:00 AM	60.0	68.4	59.0
04:00 AM - 05:00 AM	60.2	71.5	59.2
05:00 AM - 06:00 AM	60.8	71.9	59.7
06:00 AM - 07:00 AM	60.3	71.8	59.4
07:00 AM - 08:00 AM	60.4	66.6	59.6
08:00 AM - 09:00 AM	60.2	65.3	59.6
09:00 AM - 10:00 AM	61.1	75.1	59.9
Leq Average 24 hrs. (dB(A))	60.3		
Lmax (dB(A))		80.0	
L90 (dB(A))			59.2
Ldn (dB(A))	66.8		
Standard (dB(A))	70	115	
Reference Method : ISO 1996-1 : 2016			
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ โรงงาน 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

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Supot Salamteh
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S:\Reports_Air Noise.rpt (1:48PM)



Analysis / Test Report



TESTING
No.0042

Client : BASF (Thai) Limited
111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Puakdaeng, Amphur Puakdaeng,
Rayong Thailand 21140
P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2646577
Date Received : Jun 16, 2026
Date Reported : Jun 19, 2026
Report Number: 3601375-1

Page 1 of 1

Sample Number	2646577-18		
Parameter	Noise (Leq 24 hrs.)		
Location	ห้องกลางบริเวณที่พักอาศัยในโรงงาน (GPS 47P 0733052, 1438860)		
Measurement Date	Jun 11 - Jun 12, 2026		
Measurement by	Chatchai Sukpia		
Sound Level meter	Serial No. 1120936		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	60.4	73.1	59.6
11:00 AM - 12:00 PM	60.4	71.8	59.6
12:00 PM - 01:00 PM	60.5	75.5	59.4
01:00 PM - 02:00 PM	61.6	71.0	60.5
02:00 PM - 03:00 PM	60.8	71.7	59.8
03:00 PM - 04:00 PM	61.1	78.6	60.2
04:00 PM - 05:00 PM	61.2	65.3	60.3
05:00 PM - 06:00 PM	60.6	65.3	59.9
06:00 PM - 07:00 PM	60.6	64.9	60.0
07:00 PM - 08:00 PM	60.1	68.2	59.5
08:00 PM - 09:00 PM	60.3	70.7	59.1
09:00 PM - 10:00 PM	59.8	74.6	58.7
10:00 PM - 11:00 PM	61.5	85.9	58.7
11:00 PM - 12:00 AM	59.7	69.9	58.6
12:00 AM - 01:00 AM	59.5	70.2	58.3
01:00 AM - 02:00 AM	59.8	68.8	58.7
02:00 AM - 03:00 AM	59.7	69.5	58.5
03:00 AM - 04:00 AM	60.2	66.2	59.4
04:00 AM - 05:00 AM	60.6	67.7	60.0
05:00 AM - 06:00 AM	59.8	65.1	59.2
06:00 AM - 07:00 AM	59.9	71.0	59.2
07:00 AM - 08:00 AM	60.5	72.2	59.7
08:00 AM - 09:00 AM	60.3	65.6	59.6
09:00 AM - 10:00 AM	60.5	76.3	59.8
Leq Average 24 hrs. (dB(A))	60.4		
Lmax (dB(A))		85.9	
L90 (dB(A))			59.5
Ldn (dB(A))	66.6		
Standard (dB(A))	70	115	
Reference Method : ISO 1996-1 : 2016			
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ โรงงาน 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 (1:48PM)



Analysis / Test Report



TESTING
No.0042

Client : BASF (Thai) Limited
111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Puakdaeng, Amphur Puakdaeng,
Rayong Thailand 21140
P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2646577
Date Received : Jun 16, 2026
Date Reported : Jun 19, 2026
Report Number: 3601376-1

Page 1 of 1

Sample Number	2646577-19		
Parameter	Noise (Leq 24 hrs.)		
Location	ห้องกลางบริเวณที่พักอาศัยในโรงงาน (GPS 47P 0733052, 1438860)		
Measurement Date	Jun 12 - Jun 13, 2026		
Measurement by	Chatchai Sukpia		
Sound Level meter	Serial No. 1120936		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	60.0	66.4	59.2
11:00 AM - 12:00 PM	60.8	68.7	59.6
12:00 PM - 01:00 PM	60.8	67.1	59.9
01:00 PM - 02:00 PM	62.1	88.3	60.2
02:00 PM - 03:00 PM	64.8	83.1	61.9
03:00 PM - 04:00 PM	61.3	63.6	60.7
04:00 PM - 05:00 PM	60.9	70.4	60.3
05:00 PM - 06:00 PM	61.0	66.2	60.4
06:00 PM - 07:00 PM	60.5	63.9	59.9
07:00 PM - 08:00 PM	60.1	69.4	59.3
08:00 PM - 09:00 PM	60.4	71.6	59.7
09:00 PM - 10:00 PM	60.8	74.8	59.9
10:00 PM - 11:00 PM	60.4	68.8	59.6
11:00 PM - 12:00 AM	60.6	73.7	59.7
12:00 AM - 01:00 AM	60.8	79.2	59.1
01:00 AM - 02:00 AM	59.9	72.3	59.0
02:00 AM - 03:00 AM	60.1	74.1	58.9
03:00 AM - 04:00 AM	60.9	78.1	59.8
04:00 AM - 05:00 AM	61.4	74.8	60.6
05:00 AM - 06:00 AM	60.3	65.6	59.7
06:00 AM - 07:00 AM	60.3	68.9	59.8
07:00 AM - 08:00 AM	60.2	76.6	59.2
08:00 AM - 09:00 AM	60.0	74.3	58.9
09:00 AM - 10:00 AM	60.5	75.1	59.3
Leq Average 24 hrs. (dB(A))	60.9		
Lmax (dB(A))		88.3	
L90 (dB(A))			59.7
Ldn (dB(A))	67.0		
Standard (dB(A))	70	115	
Reference Method : ISO 1996-1 : 2016			
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ โรงงาน 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 (1:48PM)



Analysis / Test Report



TESTING
No.0042

Client : BASF (Thai) Limited
111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Puakdaeng, Amphur Puakdaeng,
Rayong Thailand 21140
P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2646577
Date Received : Jun 16, 2026
Date Reported : Jun 19, 2026
Report Number: 3601377-1

Page 1 of 1

Sample Number	2646577-20		
Parameter	Noise (Leq 24 hrs.)		
Location	ห้องกลางบริเวณที่พักอาศัยในโรงงาน (GPS 47P 0733052, 1438860)		
Measurement Date	Jun 13 - Jun 14, 2026		
Measurement by	Chatchai Sukpia		
Sound Level meter	Serial No. 1120936		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	60.9	68.2	59.8
11:00 AM - 12:00 PM	60.7	73.4	60.1
12:00 PM - 01:00 PM	61.4	76.6	60.6
01:00 PM - 02:00 PM	61.1	73.5	60.5
02:00 PM - 03:00 PM	61.0	70.6	60.4
03:00 PM - 04:00 PM	60.5	66.2	59.9
04:00 PM - 05:00 PM	60.2	74.2	59.5
05:00 PM - 06:00 PM	60.5	72.4	59.7
06:00 PM - 07:00 PM	60.1	70.3	59.7
07:00 PM - 08:00 PM	60.7	64.4	60.0
08:00 PM - 09:00 PM	60.4	64.8	59.6
09:00 PM - 10:00 PM	60.3	71.4	59.5
10:00 PM - 11:00 PM	60.3	70.2	59.4
11:00 PM - 12:00 AM	60.0	66.9	59.3
12:00 AM - 01:00 AM	60.5	72.7	59.7
01:00 AM - 02:00 AM	60.8	71.8	59.8
02:00 AM - 03:00 AM	60.3	66.3	59.2
03:00 AM - 04:00 AM	59.9	65.1	59.2
04:00 AM - 05:00 AM	60.0	74.7	59.1
05:00 AM - 06:00 AM	60.2	66.4	59.4
06:00 AM - 07:00 AM	59.8	73.2	59.1
07:00 AM - 08:00 AM	59.9	65.4	59.2
08:00 AM - 09:00 AM	60.2	68.4	59.5
09:00 AM - 10:00 AM	60.2	68.0	59.4
Leq Average 24 hrs. (dB(A))	60.4		
Lmax (dB(A))		76.6	
L90 (dB(A))			59.5
Ldn (dB(A))	66.7		
Standard (dB(A))	70	115	
Reference Method : ISO 1996-1 : 2016			
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ โรงงาน 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 (1:48PM)



Analysis / Test Report



TESTING
No.0042

Client : BASF (Thai) Limited

111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Puakdaeng, Amphur Puakdaeng,
Rayong Thailand 21140

P/O : 4995744917

Project Name : Monitoring

Project Location :

Lot ID: 2646577

Date Received : Jun 16, 2026

Date Reported : Jun 19, 2026

Report Number: 3601378-1

Page 1 of 1

Sample Number 2646577-21

Parameter Noise (Leq 24 hrs.)

Location หักกลางบริเวณที่พักคนภายในโรงงาน (GPS 47P 0733052, 1438860)

Measurement Date Jun 14 - Jun 15, 2026

Measurement by Chatchai Sukpia

Sound Level meter Serial No. 1120936

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	60.1	64.0	59.4
11:00 AM - 12:00 PM	59.3	64.5	58.4
12:00 PM - 01:00 PM	59.2	68.3	58.2
01:00 PM - 02:00 PM	59.6	65.2	58.5
02:00 PM - 03:00 PM	59.7	66.8	58.6
03:00 PM - 04:00 PM	60.4	71.9	59.3
04:00 PM - 05:00 PM	60.3	68.3	59.3
05:00 PM - 06:00 PM	60.1	80.0	59.1
06:00 PM - 07:00 PM	59.7	65.3	58.8
07:00 PM - 08:00 PM	59.8	64.0	58.9
08:00 PM - 09:00 PM	59.6	65.9	58.8
09:00 PM - 10:00 PM	59.8	67.8	58.9
10:00 PM - 11:00 PM	60.0	65.9	59.1
11:00 PM - 12:00 AM	60.2	73.5	59.1
12:00 AM - 01:00 AM	60.1	76.5	59.0
01:00 AM - 02:00 AM	59.9	65.3	58.9
02:00 AM - 03:00 AM	60.6	67.7	59.5
03:00 AM - 04:00 AM	61.1	69.8	60.0
04:00 AM - 05:00 AM	60.7	68.5	59.7
05:00 AM - 06:00 AM	60.2	70.8	59.1
06:00 AM - 07:00 AM	60.0	71.8	59.0
07:00 AM - 08:00 AM	60.4	69.2	59.4
08:00 AM - 09:00 AM	60.2	66.3	59.4
09:00 AM - 10:00 AM	60.2	71.4	59.3

Leq Average 24 hrs. (dB(A))

60.1

Lmax (dB(A))

80.0

L90 (dB(A))

59.1

Ldn (dB(A))

66.7

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ

โรงงาน 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

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Supot Salamteh
Section Head

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S:\Reports\Air Noise.rpt (1:49PM)



Analysis / Test Report



TESTING
No.0042

Client : BASF (Thai) Limited

111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Puakdaeng, Amphur Puakdaeng,
Rayong Thailand 21140

P/O : 4995744917

Project Name : Monitoring

Project Location :

Lot ID: 2646577

Date Received : Jun 16, 2026

Date Reported : Jun 19, 2026

Report Number: 3601379-1

Page 1 of 1

Sample Number 2646577-22

Parameter Noise (Leq 24 hrs.)

Location หักกลางบริเวณที่พักคนภายในโรงงาน (GPS 47P 0733267, 1438947)

Measurement Date Jun 08 - Jun 09, 2026

Measurement by Chatchai Sukpia

Sound Level meter Serial No. 1120937

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	56.5	79.1	54.8
11:00 AM - 12:00 PM	55.1	69.6	53.9
12:00 PM - 01:00 PM	52.6	68.4	50.6
01:00 PM - 02:00 PM	54.6	71.4	52.5
02:00 PM - 03:00 PM	54.2	71.8	52.4
03:00 PM - 04:00 PM	54.5	72.4	52.2
04:00 PM - 05:00 PM	54.1	77.3	52.2
05:00 PM - 06:00 PM	54.9	80.5	51.8
06:00 PM - 07:00 PM	53.4	69.2	52.0
07:00 PM - 08:00 PM	52.1	71.6	50.9
08:00 PM - 09:00 PM	53.6	68.9	52.0
09:00 PM - 10:00 PM	53.6	69.9	52.2
10:00 PM - 11:00 PM	52.3	68.7	51.0
11:00 PM - 12:00 AM	52.7	66.7	51.8
12:00 AM - 01:00 AM	52.8	67.9	51.5
01:00 AM - 02:00 AM	52.4	70.6	51.3
02:00 AM - 03:00 AM	53.1	67.0	52.3
03:00 AM - 04:00 AM	51.9	68.4	50.7
04:00 AM - 05:00 AM	52.4	71.1	50.7
05:00 AM - 06:00 AM	52.3	66.1	50.8
06:00 AM - 07:00 AM	51.8	67.2	50.7
07:00 AM - 08:00 AM	53.8	67.5	51.9
08:00 AM - 09:00 AM	53.4	68.9	51.5
09:00 AM - 10:00 AM	53.1	73.5	51.5

Leq Average 24 hrs. (dB(A))

53.5

Lmax (dB(A))

80.5

L90 (dB(A))

51.8

Ldn (dB(A))

59.1

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ

โรงงาน 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 (1:49PM)



Analysis / Test Report



TESTING
No.0042

Client : BASF (Thai) Limited

111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Puakdaeng, Amphur Puakdaeng,
Rayong Thailand 21140

P/O : 4995744917

Project Name : Monitoring

Project Location :

Lot ID: 2646577

Date Received : Jun 16, 2026

Date Reported : Jun 19, 2026

Report Number: 3601380-1

Page 1 of 1

Sample Number 2646577-23

Parameter Noise (Leq 24 hrs.)

Location หักกลางบริเวณที่พักคนภายในโรงงาน (GPS 47P 0733267, 1438947)

Measurement Date Jun 09 - Jun 10, 2026

Measurement by Chatchai Sukpia

Sound Level meter Serial No. 1120937

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	53.5	72.8	51.5
11:00 AM - 12:00 PM	53.6	68.0	52.1
12:00 PM - 01:00 PM	53.0	66.2	51.0
01:00 PM - 02:00 PM	55.0	73.1	53.3
02:00 PM - 03:00 PM	54.2	73.0	52.6
03:00 PM - 04:00 PM	54.5	71.1	52.6
04:00 PM - 05:00 PM	53.4	67.7	51.8
05:00 PM - 06:00 PM	52.3	66.6	50.7
06:00 PM - 07:00 PM	52.9	71.8	51.5
07:00 PM - 08:00 PM	52.1	68.9	50.7
08:00 PM - 09:00 PM	53.0	73.4	50.9
09:00 PM - 10:00 PM	52.0	72.5	50.8
10:00 PM - 11:00 PM	52.2	73.2	50.8
11:00 PM - 12:00 AM	53.1	70.5	51.7
12:00 AM - 01:00 AM	51.9	69.4	50.5
01:00 AM - 02:00 AM	52.1	70.8	50.9
02:00 AM - 03:00 AM	51.8	70.6	50.6
03:00 AM - 04:00 AM	51.6	69.6	49.9
04:00 AM - 05:00 AM	52.0	69.0	50.6
05:00 AM - 06:00 AM	52.4	69.1	50.3
06:00 AM - 07:00 AM	51.8	69.8	50.5
07:00 AM - 08:00 AM	52.6	69.5	50.7
08:00 AM - 09:00 AM	52.3	67.8	50.6
09:00 AM - 10:00 AM	52.7	69.5	51.0

Leq Average 24 hrs. (dB(A))

52.8

Lmax (dB(A))

73.4

L90 (dB(A))

50.8

Ldn (dB(A))

58.7

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ

โรงงาน 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 (1:49PM)



Analysis / Test Report



TESTING
No.0042

Client : BASF (Thai) Limited

111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Puakdaeng, Amphur Puakdaeng,
Rayong Thailand 21140

P/O : 4995744917

Project Name : Monitoring

Project Location :

Lot ID: 2646577

Date Received : Jun 16, 2026

Date Reported : Jun 19, 2026

Report Number: 3601381-1

Page 1 of 1

Sample Number 2646577-24

Parameter Noise (Leq 24 hrs.)

Location หักกลางบริเวณที่พักคนภายในโรงงาน (GPS 47P 0733267, 1438947)

Measurement Date Jun 10 - Jun 11, 2026

Measurement by Chatchai Sukpia

Sound Level meter Serial No. 1120937

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	54.8	70.8	51.8
11:00 AM - 12:00 PM	52.8	71.6	51.4
12:00 PM - 01:00 PM	52.9	69.9	51.0
01:00 PM - 02:00 PM	54.3	69.6	52.1
02:00 PM - 03:00 PM	53.6	68.5	51.9
03:00 PM - 04:00 PM	54.8	76.0	52.3
04:00 PM - 05:00 PM	54.1	77.4	51.8
05:00 PM - 06:00 PM	52.4	67.2	50.9
06:00 PM - 07:00 PM	52.2	70.4	50.9
07:00 PM - 08:00 PM	52.5	72.6	51.1
08:00 PM - 09:00 PM	54.4	68.3	52.1
09:00 PM - 10:00 PM	53.5	76.9	51.8
10:00 PM - 11:00 PM	58.5	74.9	53.9
11:00 PM - 12:00 AM	57.9	76.8	55.1
12:00 AM - 01:00 AM	53.2	71.0	51.6
01:00 AM - 02:00 AM	52.6	76.3	51.2
02:00 AM - 03:00 AM	52.1	69.3	51.0
03:00 AM - 04:00 AM	52.2	68.7	50.7
04:00 AM - 05:00 AM	52.1	68.3	50.7
05:00 AM - 06:00 AM	52.7	69.6	51.3
06:00 AM - 07:00 AM	52.6	71.2	51.2
07:00 AM - 08:00 AM	53.2	69.4	51.4
08:00 AM - 09:00 AM	52.3	68.6	50.7
09:00 AM - 10:00 AM	52.5	68.3	51.2

Leq Average 24 hrs. (dB(A))



Analysis / Test Report



TESTING
No.0042

Client : BASF (Thai) Limited

111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Pluakdaeng, Amphur Pluakdaeng,
Rayong Thailand 21140

P/O : 4995744917

Project Name : Monitoring

Project Location :

Lot ID: 2646577

Date Received : Jun 16, 2026

Date Reported : Jun 19, 2026

Report Number: 3601382-1

Page 1 of 1

Sample Number 2646577-25

Parameter Noise (Leq 24 hrs.)

Location หักกลางบริเวณที่จอดรถนอกภายในโรงงาน (GPS 47P 0733267, 1438947)

Measurement Date Jun 11 - Jun 12, 2026

Measurement by Chatchai Sukpia

Sound Level meter Serial No. 1120937

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	54.0	76.8	51.2
11:00 AM - 12:00 PM	52.7	70.8	51.1
12:00 PM - 01:00 PM	52.3	69.4	50.5
01:00 PM - 02:00 PM	53.6	65.5	51.9
02:00 PM - 03:00 PM	54.7	67.5	52.9
03:00 PM - 04:00 PM	53.8	73.8	51.9
04:00 PM - 05:00 PM	54.1	69.1	52.4
05:00 PM - 06:00 PM	54.3	71.5	52.5
06:00 PM - 07:00 PM	56.5	74.3	54.3
07:00 PM - 08:00 PM	54.3	65.7	52.8
08:00 PM - 09:00 PM	53.7	71.1	51.7
09:00 PM - 10:00 PM	52.2	69.6	50.9
10:00 PM - 11:00 PM	52.1	70.2	50.2
11:00 PM - 12:00 AM	52.6	72.2	51.1
12:00 AM - 01:00 AM	51.4	71.8	49.7
01:00 AM - 02:00 AM	51.1	68.5	49.6
02:00 AM - 03:00 AM	51.6	71.0	50.3
03:00 AM - 04:00 AM	51.4	71.3	49.4
04:00 AM - 05:00 AM	51.8	69.7	50.2
05:00 AM - 06:00 AM	51.9	68.9	50.6
06:00 AM - 07:00 AM	58.3	93.4	50.7
07:00 AM - 08:00 AM	53.0	69.7	51.3
08:00 AM - 09:00 AM	53.7	79.5	51.3
09:00 AM - 10:00 AM	52.8	71.8	51.2

Leq Average 24 hrs. (dB(A))

53.6

Lmax (dB(A))

93.4

L90 (dB(A))

51.1

Ldn (dB(A))

59.7

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ

โรงงาน 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 Salamteh
Section Head

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Analysis / Test Report



TESTING
No.0042

Client : BASF (Thai) Limited

111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Pluakdaeng, Amphur Pluakdaeng,
Rayong Thailand 21140

P/O : 4995744917

Project Name : Monitoring

Project Location :

Lot ID: 2646577

Date Received : Jun 16, 2026

Date Reported : Jun 19, 2026

Report Number: 3601383-1

Page 1 of 1

Sample Number 2646577-26

Parameter Noise (Leq 24 hrs.)

Location หักกลางบริเวณที่จอดรถนอกภายในโรงงาน (GPS 47P 0733267, 1438947)

Measurement Date Jun 12 - Jun 13, 2026

Measurement by Chatchai Sukpia

Sound Level meter Serial No. 1120937

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	53.2	70.6	51.2
11:00 AM - 12:00 PM	53.7	68.3	52.0
12:00 PM - 01:00 PM	52.6	66.1	50.8
01:00 PM - 02:00 PM	53.2	68.2	51.6
02:00 PM - 03:00 PM	54.3	66.5	52.4
03:00 PM - 04:00 PM	53.3	70.3	51.2
04:00 PM - 05:00 PM	52.1	67.8	50.6
05:00 PM - 06:00 PM	51.6	70.4	50.0
06:00 PM - 07:00 PM	52.3	71.6	50.9
07:00 PM - 08:00 PM	52.4	72.8	51.1
08:00 PM - 09:00 PM	52.9	67.2	51.1
09:00 PM - 10:00 PM	51.9	68.4	50.8
10:00 PM - 11:00 PM	51.7	69.5	50.0
11:00 PM - 12:00 AM	51.6	74.5	50.1
12:00 AM - 01:00 AM	52.1	72.9	50.1
01:00 AM - 02:00 AM	52.6	68.7	51.1
02:00 AM - 03:00 AM	52.5	69.6	51.1
03:00 AM - 04:00 AM	52.0	69.9	50.4
04:00 AM - 05:00 AM	52.8	72.9	51.1
05:00 AM - 06:00 AM	52.4	68.8	51.0
06:00 AM - 07:00 AM	52.3	68.7	50.8
07:00 AM - 08:00 AM	53.7	68.8	51.6
08:00 AM - 09:00 AM	58.3	70.8	54.1
09:00 AM - 10:00 AM	58.9	70.0	55.2

Leq Average 24 hrs. (dB(A))

53.6

Lmax (dB(A))

74.5

L90 (dB(A))

51.1

Ldn (dB(A))

59.0

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ

โรงงาน 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 Salamteh
Section Head

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Analysis / Test Report



TESTING
No.0042

Client : BASF (Thai) Limited

111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Pluakdaeng, Amphur Pluakdaeng,
Rayong Thailand 21140

P/O : 4995744917

Project Name : Monitoring

Project Location :

Lot ID: 2646577

Date Received : Jun 16, 2026

Date Reported : Jun 19, 2026

Report Number: 3601384-1

Page 1 of 1

Sample Number 2646577-27

Parameter Noise (Leq 24 hrs.)

Location หักกลางบริเวณที่จอดรถนอกภายในโรงงาน (GPS 47P 0733267, 1438947)

Measurement Date Jun 13 - Jun 14, 2026

Measurement by Chatchai Sukpia

Sound Level meter Serial No. 1120937

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	55.2	71.3	52.2
11:00 AM - 12:00 PM	53.6	70.0	51.9
12:00 PM - 01:00 PM	52.6	67.1	50.5
01:00 PM - 02:00 PM	56.7	68.4	52.8
02:00 PM - 03:00 PM	56.5	69.2	52.7
03:00 PM - 04:00 PM	52.5	67.8	50.7
04:00 PM - 05:00 PM	57.0	69.5	54.3
05:00 PM - 06:00 PM	52.5	69.7	50.7
06:00 PM - 07:00 PM	52.7	72.4	51.0
07:00 PM - 08:00 PM	51.9	70.2	50.6
08:00 PM - 09:00 PM	53.5	69.9	51.3
09:00 PM - 10:00 PM	53.0	69.7	51.5
10:00 PM - 11:00 PM	52.2	67.2	50.7
11:00 PM - 12:00 AM	52.2	67.9	50.8
12:00 AM - 01:00 AM	52.4	67.8	50.6
01:00 AM - 02:00 AM	52.6	67.6	51.1
02:00 AM - 03:00 AM	51.5	68.3	50.3
03:00 AM - 04:00 AM	50.8	68.5	49.5
04:00 AM - 05:00 AM	52.2	67.5	50.3
05:00 AM - 06:00 AM	51.4	69.2	49.8
06:00 AM - 07:00 AM	51.6	68.3	49.9
07:00 AM - 08:00 AM	52.7	70.7	50.7
08:00 AM - 09:00 AM	53.4	70.3	51.0
09:00 AM - 10:00 AM	52.6	70.7	50.4

Leq Average 24 hrs. (dB(A))

53.4

Lmax (dB(A))

72.4

L90 (dB(A))

50.7

Ldn (dB(A))

58.7

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ

โรงงาน 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 Salamteh
Section Head

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Analysis / Test Report



TESTING
No.0042

Client : BASF (Thai) Limited

111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Pluakdaeng, Amphur Pluakdaeng,
Rayong Thailand 21140

P/O : 4995744917

Project Name : Monitoring

Project Location :

Lot ID: 2646577

Date Received : Jun 16, 2026

Date Reported : Jun 19, 2026

Report Number: 3601383-1

Page 1 of 1

Sample Number 2646577-28

Parameter Noise (Leq 24 hrs.)

Location หักกลางบริเวณที่จอดรถนอกภายในโรงงาน (GPS 47P 0733267, 1438947)

Measurement Date Jun 14 - Jun 15, 2026

Measurement by Chatchai Sukpia

Sound Level meter Serial No. 1120937

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	52.0	69.7	49.7
11:00 AM - 12:00 PM	51.0	68.6	49.2
12:00 PM - 01:00 PM	51.1	69.3	48.7
01:00 PM - 02:00 PM	51.6	64.7	49.4
02:00 PM - 03:00 PM	51.4	65.1	49.6
03:00 PM - 04:00 PM	52.3	71.7	50.8
04:00 PM - 05:00 PM	52.0	76.7	49.9
05:00 PM - 06:00 PM	52.4	69.4	50.3
06:00 PM - 07:00 PM	52.8	72.0	51.1
07:00 PM - 08:00 PM	51.4	72.4	49.9
08:00 PM - 09:00 PM	51.9	68.2	49.8
09:00 PM - 10:00 PM	50.8	67.8	49.5
10:00 PM - 11:00 PM	50.3	68.7	48.9
11:00 PM - 12:00 AM	49.6	68.4	48.7
12:00 AM - 01:00 AM	50.0	67.6	48.4
01:00 AM - 02:00 AM	49.7	67.2	48.7
02:00 AM - 03:00 AM	49.7	68.1	48.7
03:00 AM - 04:00 AM	50.1	70.9	48.3
04:00 AM - 05:00 AM	49.5	69.3	47.8
05:00 AM - 06:00 AM	50.4	67.1	48.6
06:00 AM - 07:00 AM	49.9	69.4	48.5
07:00 AM - 08:00 AM	51.3	68.8	49.2
08:00 AM - 09:00 AM	54.0	80.3	51.1
09:00 AM - 10:00 AM	55.8	73.0	54.4

Leq Average 24 hrs. (dB(A))

51.6

Lmax (dB(A))

80.3

L90 (dB(A))

49.2



Analysis / Test Report

Client : BASF (Thai) Limited
111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Pluakdaeng, Amphur Pluakdaeng,
Rayong Thailand 21140

Lot ID: 2613490
Date Received : Feb 17, 2026
Date Reported : Feb 24, 2026
Report Number: 3514617-1

P/O :
Project Name : Monitoring
Project Location :

Page 1 of 1

Sample Number	2613490-1		
Parameter	Noise (Leq 12 hrs.)		
Location	Band Dryer Area (2nd Floor)		
Measurement Date	Feb 16, 2026		
Measurement by	Ronnachai Moungma		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:39 AM - 10:39 AM	91.1	95.8	90.2
10:39 AM - 11:39 AM	91.0	99.1	90.0
11:39 AM - 12:39 PM	91.1	95.2	90.1
12:39 PM - 01:39 PM	90.8	94.7	89.9
01:39 PM - 02:39 PM	90.9	95.4	89.9
02:39 PM - 03:39 PM	91.3	95.7	90.3
03:39 PM - 04:39 PM	91.4	95.6	90.5
04:39 PM - 05:39 PM	91.4	96.1	90.3
05:39 PM - 06:39 PM	91.6	96.7	90.6
06:39 PM - 07:39 PM	91.5	96.5	90.4
07:39 PM - 08:39 PM	92.0	97.0	90.9
08:39 PM - 09:39 PM	92.4	97.4	91.3
Leq Average 12 hrs. (dB(A))	91.4		
Lmax (dB(A))		99.1	
Standard (dB(A))	87	140	
Reference Method : ISO 1996-1 : 2016			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการวัดผลของเสียง ในการประกอบกิจการโรงงานเกี่ยวกับผลการวัดผลในการทำงาน พ.ศ.๒๕๖๓			

Technical Management

Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by

Supot S
Supot Salamteh
Section Head

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Analysis / Test Report

Client : BASF (Thai) Limited
111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Pluakdaeng, Amphur Pluakdaeng,
Rayong Thailand 21140

Lot ID: 2613490
Date Received : Feb 17, 2026
Date Reported : Feb 24, 2026
Report Number: 3514618-1

P/O :
Project Name : Monitoring
Project Location :

Page 1 of 1

Sample Number	2613490-2		
Parameter	Noise (Leq 12 hrs.)		
Location	K Tron PC1060 (3rd Floor)		
Measurement Date	Feb 16, 2026		
Measurement by	Ronnachai Moungma		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:05 PM - 10:05 PM	84.9	99.4	80.1
10:05 PM - 11:05 PM	84.8	99.3	80.1
11:05 PM - 12:05 AM	84.8	99.4	80.2
12:05 AM - 01:05 AM	84.8	99.4	80.1
01:05 AM - 02:05 AM	84.8	99.3	80.2
02:05 AM - 03:05 AM	84.7	99.4	80.3
03:05 AM - 04:05 AM	84.8	99.3	80.2
04:05 AM - 05:05 AM	84.8	99.3	80.2
05:05 AM - 06:05 AM	84.7	99.4	80.2
06:05 AM - 07:05 AM	84.9	99.4	80.3
07:05 AM - 08:05 AM	84.9	99.4	80.4
08:05 AM - 09:05 AM	84.9	99.4	80.5
Leq Average 12 hrs. (dB(A))	84.8		
Lmax (dB(A))		99.4	
Standard (dB(A))	87	140	
Reference Method : ISO 1996-1 : 2016			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการวัดผลของเสียง ในการประกอบกิจการโรงงานเกี่ยวกับผลการวัดผลในการทำงาน พ.ศ.๒๕๖๓			

Technical Management

Chontichak
Chonticha Subongkoch
Scientist (3)

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Supot Salamteh
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Analysis / Test Report

Client : BASF (Thai) Limited
111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Pluakdaeng, Amphur Pluakdaeng,
Rayong Thailand 21140

Lot ID: 2613490
Date Received : Feb 17, 2026
Date Reported : Feb 24, 2026
Report Number: 3514619-1

P/O :
Project Name : Monitoring
Project Location :

Page 1 of 1

Sample Number	2613490-3		
Parameter	Noise (Leq 12 hrs.)		
Location	Polybelt Area (3rd Floor)		
Measurement Date	Feb 16, 2026		
Measurement by	Ronnachai Moungma		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:58 PM - 10:58 PM	81.3	89.4	81.0
10:58 PM - 11:58 PM	81.3	89.5	81.0
11:58 PM - 12:58 AM	81.4	89.5	81.2
12:58 AM - 01:58 AM	81.4	89.3	81.2
01:58 AM - 02:58 AM	81.5	89.5	81.3
02:58 AM - 03:58 AM	81.6	89.2	81.4
03:58 AM - 04:58 AM	81.5	89.5	81.3
04:58 AM - 05:58 AM	81.5	89.3	81.3
05:58 AM - 06:58 AM	81.8	89.6	81.6
06:58 AM - 07:58 AM	82.4	90.2	82.2
07:58 AM - 08:58 AM	82.7	90.5	82.5
08:58 AM - 09:58 AM	83.2	91.0	83.0
Leq Average 12 hrs. (dB(A))	81.8		
Lmax (dB(A))		91.0	
Standard (dB(A))	87	140	
Reference Method : ISO 1996-1 : 2016			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการวัดผลของเสียง ในการประกอบกิจการโรงงานเกี่ยวกับผลการวัดผลในการทำงาน พ.ศ.๒๕๖๓			

Technical Management

Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by

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Supot Salamteh
Section Head

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Analysis / Test Report

Client : BASF (Thai) Limited
111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Pluakdaeng, Amphur Pluakdaeng,
Rayong Thailand 21140

Lot ID: 2613490
Date Received : Feb 17, 2026
Date Reported : Feb 24, 2026
Report Number: 3514620-1

P/O :
Project Name : Monitoring
Project Location :

Page 1 of 1

Sample Number	2613490-4		
Parameter	Noise (Leq 12 hrs.)		
Location	Product Surge Tank (2nd Floor)		
Measurement Date	Feb 16, 2026		
Measurement by	Ronnachai Moungma		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:33 AM - 10:33 AM	82.2	86.2	81.9
10:33 AM - 11:33 AM	81.9	83.5	81.6
11:33 AM - 12:33 PM	81.5	84.9	81.2
12:33 PM - 01:33 PM	81.4	82.9	81.0
01:33 PM - 02:33 PM	81.7	83.1	81.4
02:33 PM - 03:33 PM	82.0	83.2	81.7
03:33 PM - 04:33 PM	82.2	83.5	81.9
04:33 PM - 05:33 PM	82.2	83.7	81.9
05:33 PM - 06:33 PM	82.3	83.6	82.0
06:33 PM - 07:33 PM	82.3	83.3	82.0
07:33 PM - 08:33 PM	82.6	83.6	82.3
08:33 PM - 09:33 PM	82.8	83.8	82.5
Leq Average 12 hrs. (dB(A))	82.1		
Lmax (dB(A))		86.2	
Standard (dB(A))	87	140	
Reference Method : ISO 1996-1 : 2016			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการวัดผลของเสียง ในการประกอบกิจการโรงงานเกี่ยวกับผลการวัดผลในการทำงาน พ.ศ.๒๕๖๓			

Technical Management

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Analysis / Test Report

Client : BASF (Thai) Limited
111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Pluakdaeng, Amphur Pluakdaeng,
Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2613490
Date Received : Feb 17, 2026
Date Reported : Feb 24, 2026
Report Number: 3514621-1

Page 1 of 1

Sample Number	2613490-5		
Parameter	Noise (Leq 12 hrs.)		
Location	Rotex SZ 1080 (3rd Floor)		
Measurement Date	Feb 16, 2026		
Measurement by	Ronnachai Moungma		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:08 PM - 10:08 PM	82,6	87,6	81,9
10:08 PM - 11:08 PM	82,6	85,9	81,9
11:08 PM - 12:08 AM	82,6	86,3	81,9
12:08 AM - 01:08 AM	83,0	85,9	82,3
01:08 AM - 02:08 AM	82,5	85,1	81,8
02:08 AM - 03:08 AM	82,6	86,3	81,8
03:08 AM - 04:08 AM	82,6	86,1	81,9
04:08 AM - 05:08 AM	82,6	85,2	81,9
05:08 AM - 06:08 AM	82,5	85,4	81,8
06:08 AM - 07:08 AM	82,4	85,5	81,8
07:08 AM - 08:08 AM	82,4	85,2	81,8
08:08 AM - 09:08 AM	82,7	85,5	82,1
Leq Average 12 hrs. (dB(A))	82,6		
Lmax (dB(A))		87,6	
Standard (dB(A))	87	140	
Reference Method : ISO 1996-1 : 2016			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการวัดความดังเสียง ในการประกอบกิจการโรงงานเกี่ยวกับผลการวัดผลในการทำงาน พ.ศ.๒๕๖๓			

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Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2613490
Date Received : Feb 17, 2026
Date Reported : Feb 24, 2026
Report Number: 3514622-1

Page 1 of 1

Sample Number	2613490-6		
Parameter	Noise (Leq 12 hrs.)		
Location	Sifter room (3rd Floor)		
Measurement Date	Feb 16, 2026		
Measurement by	Ronnachai Moungma		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:06 PM - 10:06 PM	85,0	88,8	84,7
10:06 PM - 11:06 PM	85,2	88,9	84,9
11:06 PM - 12:06 AM	85,2	88,8	84,9
12:06 AM - 01:06 AM	85,3	88,7	85,0
01:06 AM - 02:06 AM	85,3	88,6	85,0
02:06 AM - 03:06 AM	85,5	88,8	85,2
03:06 AM - 04:06 AM	85,6	89,0	85,3
04:06 AM - 05:06 AM	85,6	89,2	85,3
05:06 AM - 06:06 AM	85,7	89,4	85,4
06:06 AM - 07:06 AM	86,0	89,7	85,7
07:06 AM - 08:06 AM	86,4	90,1	86,1
08:06 AM - 09:06 AM	86,2	89,8	85,9
Leq Average 12 hrs. (dB(A))	85,6		
Lmax (dB(A))		90,1	
Standard (dB(A))	87	140	
Reference Method : ISO 1996-1 : 2016			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการวัดความดังเสียง ในการประกอบกิจการโรงงานเกี่ยวกับผลการวัดผลในการทำงาน พ.ศ.๒๕๖๓			

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Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2613490
Date Received : Feb 17, 2026
Date Reported : Feb 24, 2026
Report Number: 3514623-1

Page 1 of 1

Sample Number	2613490-7		
Parameter	Noise (Leq 12 hrs.)		
Location	BH 1101 (4th Floor)		
Measurement Date	Feb 16, 2026		
Measurement by	Ronnachai Moungma		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:02 PM - 10:02 PM	87,5	88,4	87,3
10:02 PM - 11:02 PM	87,6	88,4	87,4
11:02 PM - 12:02 AM	87,4	92,6	87,2
12:02 AM - 01:02 AM	87,4	90,3	87,2
01:02 AM - 02:02 AM	87,4	88,2	87,2
02:02 AM - 03:02 AM	87,4	87,2	87,2
03:02 AM - 04:02 AM	87,5	86,3	87,3
04:02 AM - 05:02 AM	87,4	88,5	87,1
05:02 AM - 06:02 AM	87,5	88,4	87,3
06:02 AM - 07:02 AM	87,4	88,2	87,2
07:02 AM - 08:02 AM	87,5	88,3	87,2
08:02 AM - 09:02 AM	87,8	88,6	87,5
Leq Average 12 hrs. (dB(A))	87,5		
Lmax (dB(A))		92,6	
Standard (dB(A))	87	140	
Reference Method : ISO 1996-1 : 2016			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการวัดความดังเสียง ในการประกอบกิจการโรงงานเกี่ยวกับผลการวัดผลในการทำงาน พ.ศ.๒๕๖๓			

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Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2613490
Date Received : Feb 17, 2026
Date Reported : Feb 24, 2026
Report Number: 3514624-1

Page 1 of 1

Sample Number	2613490-8		
Parameter	Noise (Leq 12 hrs.)		
Location	Control Room (1st Floor)		
Measurement Date	Feb 16, 2026		
Measurement by	Ronnachai Moungma		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:42 AM - 10:42 AM	67,5	87,8	54,7
10:42 AM - 11:42 AM	63,3	86,7	54,6
11:42 AM - 12:42 PM	58,6	75,8	54,9
12:42 PM - 01:42 PM	68,4	97,7	55,0
01:42 PM - 02:42 PM	60,3	77,6	55,5
02:42 PM - 03:42 PM	58,4	72,8	55,4
03:42 PM - 04:42 PM	63,9	86,0	55,3
04:42 PM - 05:42 PM	61,2	82,5	55,0
05:42 PM - 06:42 PM	60,4	88,9	55,3
06:42 PM - 07:42 PM	68,1	84,9	55,0
07:42 PM - 08:42 PM	68,3	85,1	55,2
08:42 PM - 09:42 PM	68,5	85,3	55,4
Leq Average 12 hrs. (dB(A))	65,5		
Lmax (dB(A))		97,7	
Standard (dB(A))	87	140	
Reference Method : ISO 1996-1 : 2016			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการวัดความดังเสียง ในการประกอบกิจการโรงงานเกี่ยวกับผลการวัดผลในการทำงาน พ.ศ.๒๕๖๓			

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P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2613490
Date Received : Feb 17, 2026
Date Reported : Feb 24, 2026
Report Number: 3514625-1

Page 1 of 1

Sample Number	2613490-9		
Parameter	Noise (Leq 12 hrs.)		
Location	EM Room (1st Floor)		
Measurement Date	Feb 16, 2026		
Measurement by	Ronnachai Moungma		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:36 AM - 10:36 AM	76.8	81.3	75.6
10:36 AM - 11:36 AM	76.0	81.7	74.6
11:36 AM - 12:36 PM	76.8	83.1	75.5
12:36 PM - 01:36 PM	76.2	83.0	74.7
01:36 PM - 02:36 PM	76.3	82.1	74.8
02:36 PM - 03:36 PM	76.2	86.8	74.8
03:36 PM - 04:36 PM	76.1	82.0	74.7
04:36 PM - 05:36 PM	76.0	82.8	74.6
05:36 PM - 06:36 PM	76.7	81.4	75.3
06:36 PM - 07:36 PM	77.0	81.7	75.6
07:36 PM - 08:36 PM	77.5	82.2	76.1
08:36 PM - 09:36 PM	78.2	82.9	76.8
Leq Average 12 hrs. (dB(A))	76.7		
Lmax (dB(A))		86.8	
Standard (dB(A))	87	140	
Reference Method : ISO 1996-1 : 2016			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับผลการวัดผลในการทำงาน พ.ศ.๒๕๖๓			

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P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2613490
Date Received : Feb 17, 2026
Date Reported : Feb 24, 2026
Report Number: 3514626-1

Page 1 of 1

Sample Number	2613490-10		
Parameter	Noise (Leq 12 hrs.)		
Location	Extruder 2 (2nd Floor) ชั่วคราว		
Measurement Date	Feb 16, 2026		
Measurement by	Ronnachai Moungma		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:03 PM - 10:03 PM	93.0	99.2	91.4
10:03 PM - 11:03 PM	93.0	99.0	91.4
11:03 PM - 12:03 AM	92.9	99.1	91.3
12:03 AM - 01:03 AM	92.9	99.1	91.3
01:03 AM - 02:03 AM	93.0	100.1	91.4
02:03 AM - 03:03 AM	92.9	98.7	91.4
03:03 AM - 04:03 AM	92.9	98.3	91.4
04:03 AM - 05:03 AM	92.9	99.1	91.4
05:03 AM - 06:03 AM	92.9	98.8	91.4
06:03 AM - 07:03 AM	93.0	99.4	91.3
07:03 AM - 08:03 AM	92.9	98.5	91.4
08:03 AM - 09:03 AM	93.4	99.0	91.9
Leq Average 12 hrs. (dB(A))	93.0		
Lmax (dB(A))		100.1	
Standard (dB(A))	87	140	
Reference Method : ISO 1996-1 : 2016			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับผลการวัดผลในการทำงาน พ.ศ.๒๕๖๓			

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P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2613490
Date Received : Feb 17, 2026
Date Reported : Feb 24, 2026
Report Number: 3514627-1

Page 1 of 1

Sample Number	2613490-11		
Parameter	Noise (Leq 12 hrs.)		
Location	Packing (1st Floor)		
Measurement Date	Feb 16, 2026		
Measurement by	Ronnachai Moungma		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:25 AM - 10:25 AM	72.6	90.9	66.4
10:25 AM - 11:25 AM	72.1	86.5	65.6
11:25 AM - 12:25 PM	71.5	90.6	65.5
12:25 PM - 01:25 PM	72.2	87.2	65.9
01:25 PM - 02:25 PM	77.2	91.4	66.0
02:25 PM - 03:25 PM	74.8	91.3	66.2
03:25 PM - 04:25 PM	73.8	90.2	66.6
04:25 PM - 05:25 PM	73.5	90.6	66.4
05:25 PM - 06:25 PM	71.8	86.2	65.7
06:25 PM - 07:25 PM	72.1	86.5	66.0
07:25 PM - 08:25 PM	72.4	86.8	66.3
08:25 PM - 09:25 PM	72.7	87.1	66.6
Leq Average 12 hrs. (dB(A))	73.4		
Lmax (dB(A))		91.4	
Standard (dB(A))	87	140	
Reference Method : ISO 1996-1 : 2016			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับผลการวัดผลในการทำงาน พ.ศ.๒๕๖๓			

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P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2613490
Date Received : Feb 17, 2026
Date Reported : Feb 24, 2026
Report Number: 3514628-1

Page 1 of 1

Sample Number	2613490-12		
Parameter	Noise (Leq 12 hrs.)		
Location	Utility Room (1st Floor)		
Measurement Date	Feb 16, 2026		
Measurement by	Ronnachai Moungma		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:28 AM - 10:28 AM	90.3	95.6	88.9
10:28 AM - 11:28 AM	90.4	97.1	88.8
11:28 AM - 12:28 PM	90.2	95.8	88.9
12:28 PM - 01:28 PM	90.6	96.7	88.8
01:28 PM - 02:28 PM	90.1	95.1	88.7
02:28 PM - 03:28 PM	90.2	96.0	88.9
03:28 PM - 04:28 PM	90.0	96.2	88.8
04:28 PM - 05:28 PM	90.0	95.5	88.2
05:28 PM - 06:28 PM	89.9	96.8	88.0
06:28 PM - 07:28 PM	89.1	92.9	87.6
07:28 PM - 08:28 PM	89.4	93.2	87.9
08:28 PM - 09:28 PM	89.6	93.4	88.1
Leq Average 12 hrs. (dB(A))	90.0		
Lmax (dB(A))		97.1	
Standard (dB(A))	87	140	
Reference Method : ISO 1996-1 : 2016			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับผลการวัดผลในการทำงาน พ.ศ.๒๕๖๓			

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P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2639237
Date Received : May 26, 2026
Date Reported : May 30, 2026
Report Number: 3586007-1

Page 1 of 1

Sample Number	2639237-1		
Parameter	Noise (Leq 12 hrs.)		
Location	Band Dryer Area (2nd Floor)		
Measurement Date	May 25, 2026		
Measurement by	Thanathip Itiwutta		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:20 PM - 09:20 PM	82.4	84.7	81.8
09:20 PM - 10:20 PM	82.4	89.8	81.8
10:20 PM - 11:20 PM	82.6	84.6	81.9
11:20 PM - 12:20 AM	82.6	84.6	82.0
12:20 AM - 01:20 AM	82.5	85.7	82.0
01:20 AM - 02:20 AM	82.6	92.2	82.0
02:20 AM - 03:20 AM	82.8	85.9	82.2
03:20 AM - 04:20 AM	82.6	85.8	82.1
04:20 AM - 05:20 AM	82.5	85.6	82.0
05:20 AM - 06:20 AM	82.7	85.8	82.2
06:20 AM - 07:20 AM	82.6	85.7	82.1
07:20 AM - 08:20 AM	82.8	86.0	82.3
Leq Average 12 hrs. (dB(A))	82.6		
Lmax (dB(A))		92.2	
Standard (dB(A))	87	140	
Reference Method : ISO 1996-1 : 2016			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานค่าของความปลอดภัย			
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Note : LCpeak = 104.8 dB (C)			

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P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2639237
Date Received : May 26, 2026
Date Reported : May 30, 2026
Report Number: 3586008-1

Page 1 of 1

Sample Number	2639237-2		
Parameter	Noise (Leq 12 hrs.)		
Location	K Tron PC1060 (3rd Floor)		
Measurement Date	May 25, 2026		
Measurement by	Thanathip Itiwutta		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:53 AM - 09:53 AM	84.7	99.1	80.7
09:53 AM - 10:53 AM	84.8	99.2	80.7
10:53 AM - 11:53 AM	84.6	99.1	80.4
11:53 AM - 12:53 PM	84.6	99.1	80.0
12:53 PM - 01:53 PM	84.5	99.1	79.9
01:53 PM - 02:53 PM	84.5	99.1	79.9
02:53 PM - 03:53 PM	84.5	99.0	80.2
03:53 PM - 04:53 PM	84.7	99.2	80.7
04:53 PM - 05:53 PM	84.6	99.1	80.7
05:53 PM - 06:53 PM	84.7	99.2	80.7
06:53 PM - 07:53 PM	85.6	100.1	81.7
07:53 PM - 08:53 PM	85.1	99.6	81.1
Leq Average 12 hrs. (dB(A))	84.8		
Lmax (dB(A))		100.1	
Standard (dB(A))	87	140	
Reference Method : ISO 1996-1 : 2016			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานค่าของความปลอดภัย			
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Note : LCpeak = 116.0 dB (C)			

Technical Management

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Approved by

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Rayong Thailand 21140
P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2639237
Date Received : May 26, 2026
Date Reported : May 30, 2026
Report Number: 3586009-1

Page 1 of 1

Sample Number	2639237-3		
Parameter	Noise (Leq 12 hrs.)		
Location	Polybelt Area (3rd Floor)		
Measurement Date	May 25, 2026		
Measurement by	Thanathip Itiwutta		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:52 AM - 09:52 AM	80.0	91.4	79.3
09:52 AM - 10:52 AM	79.8	91.4	79.2
10:52 AM - 11:52 AM	79.8	91.3	79.2
11:52 AM - 12:52 PM	79.7	91.4	79.2
12:52 PM - 01:52 PM	79.8	91.4	79.2
01:52 PM - 02:52 PM	79.7	91.4	79.2
02:52 PM - 03:52 PM	79.7	91.2	79.2
03:52 PM - 04:52 PM	79.9	91.4	79.3
04:52 PM - 05:52 PM	79.9	91.3	79.4
05:52 PM - 06:52 PM	80.0	91.4	79.5
06:52 PM - 07:52 PM	80.0	91.4	79.5
07:52 PM - 08:52 PM	80.1	91.6	79.6
Leq Average 12 hrs. (dB(A))	79.9		
Lmax (dB(A))		91.6	
Standard (dB(A))	87	140	
Reference Method : ISO 1996-1 : 2016			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานค่าของความปลอดภัย			
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Note : LCpeak = 105.6 dB (C)			

Technical Management

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P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2639237
Date Received : May 26, 2026
Date Reported : May 30, 2026
Report Number: 3586010-1

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Sample Number	2639237-4		
Parameter	Noise (Leq 12 hrs.)		
Location	Product Surge Tank (2nd Floor)		
Measurement Date	May 25, 2026		
Measurement by	Thanathip Itiwutta		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:03 PM - 09:03 PM	82.5	83.9	82.1
09:03 PM - 10:03 PM	82.6	84.0	82.2
10:03 PM - 11:03 PM	82.7	84.2	82.2
11:03 PM - 12:03 AM	82.8	84.2	82.3
12:03 AM - 01:03 AM	82.8	84.2	82.4
01:03 AM - 02:03 AM	82.7	84.3	82.3
02:03 AM - 03:03 AM	82.8	84.3	82.4
03:03 AM - 04:03 AM	82.8	84.3	82.4
04:03 AM - 05:03 AM	82.9	84.3	82.5
05:03 AM - 06:03 AM	83.1	84.5	82.7
06:03 AM - 07:03 AM	83.0	84.4	82.6
07:03 AM - 08:03 AM	83.0	84.8	82.6
Leq Average 12 hrs. (dB(A))	82.8		
Lmax (dB(A))		84.8	
Standard (dB(A))	87	140	
Reference Method : ISO 1996-1 : 2016			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานค่าของความปลอดภัย			
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Note : LCpeak = 107.8 dB (C)			

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P/O : 4995744917

Project Name : Monitoring

Project Location :

Lot ID: 2639237

Date Received : May 26, 2026

Date Reported : May 30, 2026

Report Number: 3586011-1

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Sample Number 2639237-5

Parameter Noise (Leq 12 hrs.)

Location Rotex SZ 1080 (3rd Floor)

Measurement Date May 25, 2026

Measurement by Thanathip Itiwutta

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:56 AM - 09:56 AM	81.7	83.9	81.1
09:56 AM - 10:56 AM	81.5	83.7	81.1
10:56 AM - 11:56 AM	81.4	83.6	81.0
11:56 AM - 12:56 PM	81.6	83.8	81.0
12:56 PM - 01:56 PM	81.9	85.4	81.1
01:56 PM - 02:56 PM	81.9	85.0	81.1
02:56 PM - 03:56 PM	81.9	85.2	81.1
03:56 PM - 04:56 PM	81.9	85.0	81.1
04:56 PM - 05:56 PM	81.9	84.9	81.1
05:56 PM - 06:56 PM	82.1	84.6	81.1
06:56 PM - 07:56 PM	83.2	85.7	82.2
07:56 PM - 08:56 PM	82.3	85.3	81.5

Leq Average 12 hrs. (dB(A))

82.0

Lmax (dB(A))

85.7

Standard (dB(A))

87

140

Reference Method : ISO 1996-1 : 2016

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานค่าของความปลอดภัย

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Note : LCpeak = 114.4 dB (C)

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P/O : 4995744917

Project Name : Monitoring

Project Location :

Lot ID: 2639237

Date Received : May 26, 2026

Date Reported : May 30, 2026

Report Number: 3586012-1

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Sample Number 2639237-6

Parameter Noise (Leq 12 hrs.)

Location Sifter room (3rd Floor)

Measurement Date May 25, 2026

Measurement by Thanathip Itiwutta

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:54 AM - 09:54 AM	83.8	86.3	83.5
09:54 AM - 10:54 AM	84.1	86.4	83.7
10:54 AM - 11:54 AM	83.9	86.1	83.5
11:54 AM - 12:54 PM	83.7	86.1	83.5
12:54 PM - 01:54 PM	83.7	86.0	83.4
01:54 PM - 02:54 PM	83.6	85.9	83.4
02:54 PM - 03:54 PM	83.6	85.9	83.4
03:54 PM - 04:54 PM	83.7	86.0	83.5
04:54 PM - 05:54 PM	83.8	86.1	83.5
05:54 PM - 06:54 PM	83.8	86.2	83.5
06:54 PM - 07:54 PM	83.8	86.1	83.6
07:54 PM - 08:54 PM	83.8	86.1	83.6

Leq Average 12 hrs. (dB(A))

83.8

Lmax (dB(A))

86.4

Standard (dB(A))

87

140

Reference Method : ISO 1996-1 : 2016

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานค่าของความปลอดภัย

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Note : LCpeak = 108.3 dB (C)

Technical Management

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P/O : 4995744917

Project Name : Monitoring

Project Location :

Lot ID: 2639237

Date Received : May 26, 2026

Date Reported : May 30, 2026

Report Number: 3586013-1

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Sample Number 2639237-7

Parameter Noise (Leq 12 hrs.)

Location BH 1101 (4th Floor)

Measurement Date May 25, 2026

Measurement by Thanathip Itiwutta

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:57 AM - 09:57 AM	88.3	90.0	87.5
09:57 AM - 10:57 AM	88.2	89.7	87.2
10:57 AM - 11:57 AM	87.9	89.9	86.9
11:57 AM - 12:57 PM	87.9	89.7	86.9
12:57 PM - 01:57 PM	88.4	90.0	87.2
01:57 PM - 02:57 PM	88.5	90.2	87.3
02:57 PM - 03:57 PM	88.6	90.0	87.8
03:57 PM - 04:57 PM	87.7	89.4	86.8
04:57 PM - 05:57 PM	87.0	88.0	86.6
05:57 PM - 06:57 PM	86.7	87.7	86.3
06:57 PM - 07:57 PM	87.1	88.8	85.9
07:57 PM - 08:57 PM	87.0	88.7	86.2

Leq Average 12 hrs. (dB(A))

87.8

Lmax (dB(A))

90.2

Standard (dB(A))

87

140

Reference Method : ISO 1996-1 : 2016

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานค่าของความปลอดภัย

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Note : LCpeak = 108.8 dB (C)

Technical Management

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P/O : 4995744917

Project Name : Monitoring

Project Location :

Lot ID: 2639237

Date Received : May 26, 2026

Date Reported : May 30, 2026

Report Number: 3586014-1

Page 1 of 1

Sample Number 2639237-8

Parameter Noise (Leq 12 hrs.)

Location Control Room (1st Floor)

Measurement Date May 25, 2026

Measurement by Thanathip Itiwutta

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:22 PM - 09:22 PM	58.0	74.2	51.9
09:22 PM - 10:22 PM	57.7	80.6	51.9
10:22 PM - 11:22 PM	55.1	71.2	51.9
11:22 PM - 12:22 AM	56.4	73.2	51.9
12:22 AM - 01:22 AM	55.5	71.5	51.2
01:22 AM - 02:22 AM	58.6	72.7	51.3
02:22 AM - 03:22 AM	57.4	76.1	51.5
03:22 AM - 04:22 AM	55.1	72.3	51.0
04:22 AM - 05:22 AM	54.8	70.0	51.1
05:22 AM - 06:22 AM	56.6	71.9	51.2
06:22 AM - 07:22 AM	59.2	77.0	51.4
07:22 AM - 08:22 AM	59.1	79.2	51.7

Leq Average 12 hrs. (dB(A))

57.2

Lmax (dB(A))

80.6

Standard (dB(A))

87

140

Reference Method : ISO 1996-1 : 2016

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Note : LCpeak = 104.8 dB (C)

Technical Management

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Rayong Thailand 21140

P/O : 4995744917

Project Name : Monitoring

Project Location :

Lot ID: 2639237

Date Received : May 26, 2026

Date Reported : May 30, 2026

Report Number: 3586015-1

Page 1 of 1

Sample Number 2639237-9

Parameter Noise (Leq 12 hrs.)

Location EM Room (1st Floor)

Measurement Date May 25, 2026

Measurement by Thanathip Itiwutta

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:16 PM - 09:16 PM	74.5	80.1	72.5
09:16 PM - 10:16 PM	74.6	80.0	72.6
10:16 PM - 11:16 PM	77.1	81.5	73.1
11:16 PM - 12:16 AM	76.3	81.5	73.0
12:16 AM - 01:16 AM	74.8	80.0	72.9
01:16 AM - 02:16 AM	74.8	79.9	72.9
02:16 AM - 03:16 AM	74.9	80.1	73.0
03:16 AM - 04:16 AM	74.9	80.5	73.1
04:16 AM - 05:16 AM	74.9	80.2	73.0
05:16 AM - 06:16 AM	76.0	81.5	73.1
06:16 AM - 07:16 AM	78.0	81.6	77.1
07:16 AM - 08:16 AM	74.7	80.1	72.8

Leq Average 12 hrs. (dB(A))

Lmax (dB(A))

Standard (dB(A))

Reference Method : ISO 1996-1 : 2016

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Note : LCpeak = 106.0 dB (C)

Technical Management

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Rayong Thailand 21140

P/O : 4995744917

Project Name : Monitoring

Project Location :

Lot ID: 2639237

Date Received : May 26, 2026

Date Reported : May 30, 2026

Report Number: 3586016-1

Page 1 of 1

Sample Number 2639237-10

Parameter Noise (Leq 12 hrs.)

Location Extruder 2 (2nd Floor) ชั่วคราว

Measurement Date May 25, 2026

Measurement by Thanathip Itiwutta

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:03 AM - 10:03 AM	90.6	95.2	89.4
10:03 AM - 11:03 AM	90.6	96.1	89.6
11:03 AM - 12:03 PM	90.4	95.5	89.3
12:03 PM - 01:03 PM	90.4	95.7	89.3
01:03 PM - 02:03 PM	90.4	95.0	89.3
02:03 PM - 03:03 PM	90.5	97.2	89.4
03:03 PM - 04:03 PM	90.4	95.5	89.4
04:03 PM - 05:03 PM	90.5	94.6	89.5
05:03 PM - 06:03 PM	90.6	95.3	89.6
06:03 PM - 07:03 PM	90.7	95.4	89.7
07:03 PM - 08:03 PM	90.6	94.7	89.6
08:03 PM - 09:03 PM	90.5	95.1	89.4

Leq Average 12 hrs. (dB(A))

Lmax (dB(A))

Standard (dB(A))

Reference Method : ISO 1996-1 : 2016

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการวัดผลของเสียง

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Note : LCpeak = 116.6 dB (C)

Technical Management

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P/O : 4995744917

Project Name : Monitoring

Project Location :

Lot ID: 2639237

Date Received : May 26, 2026

Date Reported : May 30, 2026

Report Number: 3586017-1

Page 1 of 1

Sample Number 2639237-11

Parameter Noise (Leq 12 hrs.)

Location Packing (1st Floor)

Measurement Date May 25, 2026

Measurement by Thanathip Itiwutta

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:18 PM - 09:18 PM	73.0	88.5	66.2
09:18 PM - 10:18 PM	72.9	86.3	66.4
10:18 PM - 11:18 PM	72.3	88.1	67.2
11:18 PM - 12:18 AM	72.6	94.6	67.0
12:18 AM - 01:18 AM	72.2	88.2	66.3
01:18 AM - 02:18 AM	73.0	89.9	67.0
02:18 AM - 03:18 AM	73.0	87.6	66.9
03:18 AM - 04:18 AM	72.7	86.0	67.9
04:18 AM - 05:18 AM	73.9	88.1	68.2
05:18 AM - 06:18 AM	74.3	88.9	68.5
06:18 AM - 07:18 AM	72.6	92.8	67.5
07:18 AM - 08:18 AM	73.6	87.9	66.5

Leq Average 12 hrs. (dB(A))

Lmax (dB(A))

Standard (dB(A))

Reference Method : ISO 1996-1 : 2016

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการวัดผลของเสียง

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Note : LCpeak = 104.3 dB (C)

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head

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S:\Reports\Air Noise.rpt (1:16PM)



Analysis / Test Report

Client : BASF (Thai) Limited

111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Pluakdaeng, Amphur Pluakdaeng,
Rayong Thailand 21140

P/O : 4995744917

Project Name : Monitoring

Project Location :

Lot ID: 2639237

Date Received : May 26, 2026

Date Reported : May 30, 2026

Report Number: 3586018-1

Page 1 of 1

Sample Number 2639237-12

Parameter Noise (Leq 12 hrs.)

Location Utility Room (1st Floor)

Measurement Date May 25, 2026

Measurement by Thanathip Itiwutta

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:20 PM - 09:20 PM	87.7	94.0	86.6
09:20 PM - 10:20 PM	87.8	94.6	86.4
10:20 PM - 11:20 PM	87.8	94.4	86.4
11:20 PM - 12:20 AM	87.7	91.9	86.5
12:20 AM - 01:20 AM	87.8	92.8	86.3
01:20 AM - 02:20 AM	87.6	91.2	86.4
02:20 AM - 03:20 AM	87.8	91.8	86.5
03:20 AM - 04:20 AM	87.8	92.5	86.5
04:20 AM - 05:20 AM	88.0	92.6	86.5
05:20 AM - 06:20 AM	87.8	93.1	86.8
06:20 AM - 07:20 AM	87.7	91.0	86.5
07:20 AM - 08:20 AM	87.8	92.2	86.6

Leq Average 12 hrs. (dB(A))

Lmax (dB(A))

Standard (dB(A))

Reference Method : ISO 1996-1 : 2016

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการวัดผลของเสียง

ในการประกอบกิจการโรงงานเกี่ยวกับผลการวัดผลในห้องปฏิบัติการ พ.ศ.๒๕๖๓

Note : LCpeak = 105.8 dB (C)

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head

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Analysis / Test Report

Client : BASF (Thai) Limited

111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Pluakdaeng,
Amphur Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2613493

Date Received : Feb 17, 2026
Date Reported : Feb 19, 2026
Report Number : 3511787-1

Page 1 of 1

Sample Number	2613493-1															
Parameter	Octave band															
Location	Band Dryer Area (2nd Floor)															
Measurement Date	Feb 16, 2026															
Measurement By	Ronnachai Moungma															
Time	Result (dB(A))															
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz				
09:39 AM - 10:39 AM	91.1	42.1	53.6	66.7	78.6	88.7	83.7	82.1	78.2	72.6	64.3	50.0				
10:39 AM - 11:39 AM	91.0	42.2	53.5	66.7	78.3	88.6	83.6	82.1	78.1	72.3	64.1	49.5				
11:39 AM - 12:39 PM	91.1	42.4	53.4	66.6	78.2	88.8	83.4	82.0	78.0	72.2	63.9	49.3				
12:39 PM - 01:39 PM	90.8	42.8	53.4	66.6	77.8	88.5	83.0	81.9	78.0	72.1	63.7	49.0				
01:39 PM - 02:39 PM	90.9	42.4	53.4	66.7	77.9	88.5	83.2	81.9	78.0	72.5	63.8	49.2				
02:39 PM - 03:39 PM	91.3	42.0	53.5	66.8	78.6	88.9	83.7	82.2	78.2	72.5	63.9	49.3				
03:39 PM - 04:39 PM	91.4	42.3	53.4	66.9	78.7	89.1	83.9	82.3	78.2	72.5	64.0	49.6				
04:39 PM - 05:39 PM	91.4	41.9	53.4	67.0	78.5	89.1	83.8	82.1	78.3	72.5	64.1	49.5				
05:39 PM - 06:39 PM	91.6	41.9	53.6	67.0	78.6	89.4	83.9	82.1	78.4	72.6	64.2	49.6				
06:39 PM - 07:39 PM	91.5	43.3	53.6	67.0	78.6	89.2	83.7	82.1	78.4	72.6	64.2	49.7				
07:39 PM - 08:39 PM	92.0	43.8	54.1	67.5	79.1	89.7	84.2	82.6	78.9	73.1	64.7	50.2				
08:39 PM - 09:39 PM	92.4	44.2	54.5	67.9	79.5	90.1	84.6	83.0	79.3	73.5	65.1	50.6				
Average	91.4	42.7	53.6	67.0	78.6	89.1	83.7	82.2	78.4	72.6	64.2	49.6				

Reference Method : ANSI Standard S1.6-1984

Technical Management

Orawan R.
Orawan Rak Yong
Scientist (3)

Approved by

Supot S.
Supot Salamteh
Section Head

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S:\Reports\Air Noise\Octave band rpt (2:34PM)



Analysis / Test Report

Client : BASF (Thai) Limited

111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Pluakdaeng,
Amphur Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2613493

Date Received : Feb 17, 2026
Date Reported : Feb 19, 2026
Report Number : 3511788-1

Page 1 of 1

Sample Number	2613493-2														
Parameter	Octave band														
Location	BH 1101 (4th Floor)														
Measurement Date	Feb 16, 2026														
Measurement By	Ronnachai Moungma														
	Result (dB(A))														
Time	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz			
09:02 PM - 10:02 PM	87.5	34.1	46.9	53.7	67.6	78.5	83.9	83.1	72.4	70.8	67.5	54.7			
10:02 PM - 11:02 PM	87.6	33.8	46.9	53.6	67.5	78.6	84.1	83.2	72.5	70.8	67.5	54.8			
11:02 PM - 12:02 AM	87.4	33.6	47.4	53.6	67.7	78.6	84.0	82.8	72.7	70.9	67.5	54.8			
12:02 AM - 01:02 AM	87.4	33.6	47.1	53.5	67.5	78.6	83.9	82.7	72.5	70.8	67.5	55.1			
01:02 AM - 02:02 AM	87.4	33.9	47.1	53.6	67.7	78.7	83.9	82.9	72.4	70.8	67.4	54.9			
02:02 AM - 03:02 AM	87.4	34.0	46.9	53.5	67.7	78.7	84.0	82.9	72.5	70.8	67.4	54.8			
03:02 AM - 04:02 AM	87.5	33.9	47.3	53.6	67.6	78.7	84.0	82.9	72.5	70.9	67.5	54.9			
04:02 AM - 05:02 AM	87.4	33.8	47.0	53.6	67.5	78.7	83.9	82.8	72.5	70.9	67.5	54.9			
05:02 AM - 06:02 AM	87.5	33.7	46.8	53.5	67.6	78.7	84.0	82.9	72.5	70.9	67.5	54.9			
06:02 AM - 07:02 AM	87.4	34.0	46.6	53.6	67.6	78.7	84.0	82.7	72.5	70.9	67.5	54.9			
07:02 AM - 08:02 AM	87.5	34.0	46.6	53.8	67.6	78.7	84.0	82.8	72.5	70.8	67.4	55.0			
08:02 AM - 09:02 AM	87.8	34.3	46.9	54.1	67.9	79.0	84.3	83.1	72.8	71.1	67.7	55.3			
Average	87.5	33.9	47.0	53.6	67.6	78.7	84.0	82.9	72.5	70.9	67.5	54.9			

Reference Method : ANSI Standard S1.6-1984

Technical Management

Orawan R.
Orawan Rak Yong
Scientist (3)

Approved by

Supot S.
Supot Salamteh
Section Head

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Analysis / Test Report

Client : BASF (Thai) Limited

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Amphur Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2613493

Date Received : Feb 17, 2026
Date Reported : Feb 19, 2026
Report Number : 3511789-1

Page 1 of 1

Sample Number	2613493-3															Page 2 of 2
Parameter	Octave band															
Location	Control Room (1st Floor)															
Measurement Date	Feb 16, 2026															
Measurement By	Ronnachai Moungma															
	Result (dB(A))															
Time	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz				
09:42 AM - 10:42 AM	67.5	6.1	26.6	34.8	42.0	52.6	62.7	63.0	61.1	54.2	41.7	24.0				
10:42 AM - 11:42 AM	63.3	4.6	25.5	32.7	38.7	47.3	58.4	57.8	58.0	51.3	35.4	19.0				
11:42 AM - 12:42 PM	58.6	3.6	24.0	34.4	37.9	46.2	52.4	53.5	53.0	47.8	42.3	23.9				
12:42 PM - 01:42 PM	68.4	4.7	25.6	37.0	39.9	49.3	63.6	59.2	64.6	59.0	45.0	26.1				
01:42 PM - 02:42 PM	60.3	4.7	26.2	38.3	41.4	47.5	54.5	54.6	54.6	49.3	36.2	18.4				
02:42 PM - 03:42 PM	58.4	5.0	26.0	39.2	39.5	46.7	51.4	53.7	52.7	48.3	39.2	19.7				
03:42 PM - 04:42 PM	63.9	5.1	27.0	35.4	40.5	49.1	59.4	59.0	57.5	50.9	37.9	19.5				
04:42 PM - 05:42 PM	61.2	4.0	25.4	35.5	39.5	47.9	55.6	56.2	55.3	50.2	44.1	24.0				
05:42 PM - 06:42 PM	60.4	3.7	26.2	38.1	39.4	47.4	55.8	55.5	53.6	47.8	39.5	23.0				
06:42 PM - 07:42 PM	68.1	11.9	29.7	40.4	49.2	55.6	60.7	64.3	61.6	57.7	48.4	28.7				
07:42 PM - 08:42 PM	68.3	12.1	29.9	40.6	49.4	55.8	60.9	64.5	61.8	57.9	48.6	28.9				
08:42 PM - 09:42 PM	68.5	12.3	30.1	40.8	49.6	56.0	61.1	64.7	62.0	58.1	48.8	29.1				
Average	65.5	8.0	27.3	38.0	44.7	51.8	59.5	60.8	59.7	54.7	44.5	25.2				

Reference Method : ANSI Standard S1.6-1984

Technical Management

Orawan R.
Orawan Rak Yong
Scientist (3)

Approved by

Supot S.
Supot Salamteh
Section Head

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Analysis / Test Report

Client : BASF (Thai) Limited

111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Pluakdaeng,
Amphur Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2613493

Date Received : Feb 17, 2026
Date Reported : Feb 19, 2026
Report Number : 3511790-1

Page 1 of 1

Sample Number	2613493-4															
Parameter	Octave band															
Location	EM Room (1st Floor)															
Measurement Date	Feb 16, 2026															
Measurement By	Ronnachai Moungma															
	Result (dB(A))															
Time	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz				
09:36 AM - 10:36 AM	76.8	23.7	40.4	51.1	64.1	67.0	67.0	69.8	69.1	69.9	41.7	24.0				
10:36 AM - 11:36 AM	76.0	24.0	40.3	51.5	64.0	66.9	65.9	68.4	67.8	69.5	68.1	56.3				
11:36 AM - 12:36 PM	76.8	24.0	40.4	51.7	64.1	67.2	67.0	69.4	68.9	69.8	68.4	56.8				
12:36 PM - 01:36 PM	76.2	24.5	40.4	51.2	63.3	66.9	66.1	69.0	68.2	69.5	68.2	56.2				
01:36 PM - 02:36 PM	76.3	24.8	40.3	51.3	63.4	67.0	65.9	69.3	68.1	69.5	68.2	56.4				
02:36 PM - 03:36 PM	76.2	24.6	40.6	51.7	64.0	66.8	66.1	68.8	67.9	69.5	68.2	56.5				
03:36 PM - 04:36 PM	76.1	24.5	40.5	51.4	64.1	66.9	66.2	68.4	67.8	69.5	68.1	56.1				
04:36 PM - 05:36 PM	76.0	24.4	40.2	51.1	63.8	66.7	66.1	68.2	67.8	69.4	68.1	55.9				
05:36 PM - 06:36 PM	76.7	24.4	40.2	51.2	63.8	66.5	67.5	69.6	69.0	69.8	68.4	56.4				
06:36 PM - 07:36 PM	77.0	24.7	40.5	51.5	64.1	66.8	67.8	69.9	69.3	70.1	68.7	56.7				
07:36 PM - 08:36 PM	77.5	25.2	41.0	52.0	64.6	67.3	68.3	70.4	69.8	70.6	69.2	57.2				
08:36 PM - 09:36 PM	78.2	25.9	41.7	52.7	65.3	68.0	69.0	71.1	70.5	71.3	69.9	57.9				
Average	76.7	24.6	40.6	51.6	64.1	67.0	67.0	69.5	68.8	69.9	68.2	56.2				



Analysis / Test Report

Client : BASF (Thai) Limited
111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Pluakdaeng,
Amphur Pluakdaeng, Rayong Thailand 21140
P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2613493
Date Received : Feb 17, 2026
Date Reported : Feb 19, 2026
Report Number : 3511791-1

Page 1 of 1

Sample Number	2613493-5											
	Octave band											
Parameter	Extruder 2 (2nd Floor) ตู้รวม											
Location	K Tron PC1060 (3rd Floor)											
Measurement Date	Feb 16, 2026											
Measurement By	Ronnachai Moungma											
Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
09:03 PM - 10:03 PM	93.0	32.5	47.5	63.6	78.8	92.1	82.5	79.4	74.8	74.4	62.8	53.4
10:03 PM - 11:03 PM	93.0	32.7	47.5	63.8	78.8	92.0	82.5	79.4	74.8	74.7	62.7	53.8
11:03 PM - 12:03 AM	92.9	32.6	47.5	63.7	78.7	92.0	82.3	79.5	74.7	71.9	62.6	54.7
12:03 AM - 01:03 AM	92.9	32.8	47.5	63.8	78.8	91.9	82.6	79.4	74.8	71.6	62.7	54.2
01:03 AM - 02:03 AM	93.0	33.0	47.5	63.8	78.9	92.0	82.7	79.4	74.7	71.2	63.0	54.3
02:03 AM - 03:03 AM	92.9	33.0	47.5	63.8	78.9	91.9	82.7	79.5	74.8	72.4	63.0	53.9
03:03 AM - 04:03 AM	92.9	32.7	47.5	63.7	78.9	91.9	82.7	79.5	74.6	72.4	62.8	53.8
04:03 AM - 05:03 AM	92.9	32.7	47.5	63.8	78.9	92.0	82.6	79.5	74.8	72.4	63.1	54.3
05:03 AM - 06:03 AM	92.9	32.8	47.5	63.8	79.0	91.9	82.8	79.4	74.8	73.2	63.6	54.4
06:03 AM - 07:03 AM	93.0	32.8	47.4	63.8	78.8	92.0	82.5	79.4	74.8	73.8	63.0	53.4
07:03 AM - 08:03 AM	92.9	32.8	47.5	63.8	79.0	91.8	82.8	79.4	74.8	74.6	63.0	53.8
08:03 AM - 09:03 AM	93.4	33.3	48.0	64.3	79.5	92.3	83.3	79.9	75.3	75.1	63.5	54.3
Average	93.0	32.8	47.5	63.8	78.9	92.0	82.7	79.5	74.8	73.3	63.0	54.0

Reference Method : ANSI Standard S1.6-1984

Technical Management

Orawan R.
Orawan Rak Yong
Scientist (3)

Approved by

Supot S.
Supot Salameh
Section Head

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Analysis / Test Report

Client : BASF (Thai) Limited
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Amphur Pluakdaeng, Rayong Thailand 21140
P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2613493
Date Received : Feb 17, 2026
Date Reported : Feb 19, 2026
Report Number : 3511792-1

Page 1 of 1

Sample Number	2613493-6											
	Octave band											
Parameter	K Tron PC1060 (3rd Floor)											
Location	K Tron PC1060 (3rd Floor)											
Measurement Date	Feb 16, 2026											
Measurement By	Ronnachai Moungma											
Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
09:05 PM - 10:05 PM	84.9	22.7	44.1	49.6	64.8	71.9	73.6	75.0	77.3	80.3	78.1	67.5
10:05 PM - 11:05 PM	84.8	22.4	44.4	49.4	64.6	71.7	73.6	75.1	77.3	80.2	78.1	67.5
11:05 PM - 12:05 AM	84.8	22.3	44.2	49.4	64.6	71.7	73.8	75.4	77.2	80.1	78.0	67.3
12:05 AM - 01:05 AM	84.8	22.5	44.1	49.6	64.4	71.6	73.7	75.1	77.0	80.3	78.1	67.6
01:05 AM - 02:05 AM	84.8	22.4	44.2	49.6	64.2	71.6	73.7	75.5	76.9	80.3	78.1	67.6
02:05 AM - 03:05 AM	84.7	22.2	43.7	49.5	64.3	71.6	73.7	75.8	77.0	80.1	77.9	67.3
03:05 AM - 04:05 AM	84.8	22.6	43.9	49.8	64.4	71.7	73.8	75.5	77.0	80.2	78.1	67.5
04:05 AM - 05:05 AM	84.8	22.6	43.6	50.0	64.3	71.6	73.6	75.6	77.1	80.3	78.1	67.6
05:05 AM - 06:05 AM	84.7	22.7	43.9	50.0	64.2	71.6	73.6	75.7	77.1	80.1	77.8	67.3
06:05 AM - 07:05 AM	84.9	22.6	44.0	49.8	64.3	71.7	73.8	75.8	77.2	80.3	78.0	67.5
07:05 AM - 08:05 AM	84.9	22.4	44.5	49.9	64.3	72.0	73.6	75.7	77.1	80.4	78.1	67.5
08:05 AM - 09:05 AM	84.9	22.4	43.8	49.7	64.3	71.9	73.5	75.8	77.1	80.3	78.0	67.4
Average	84.8	22.5	44.0	49.7	64.4	71.7	73.7	75.5	77.1	80.2	78.0	67.5

Reference Method : ANSI Standard S1.6-1984

Technical Management

Orawan R.
Orawan Rak Yong
Scientist (3)

Approved by

Supot S.
Supot Salameh
Section Head

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S:\Reports\Air Noise\Octave band rpt (2:38PM)



Analysis / Test Report

Client : BASF (Thai) Limited
111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Pluakdaeng,
Amphur Pluakdaeng, Rayong Thailand 21140
P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2613493
Date Received : Feb 17, 2026
Date Reported : Feb 19, 2026
Report Number : 3511793-1

Page 1 of 1

Sample Number	2613493-7											
	Octave band											
Parameter	Packing (1st Floor)											
Location	Ronnachai Moungma											
Measurement Date	Feb 16, 2026											
Measurement By	Ronnachai Moungma											
Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
09:25 AM - 10:25 AM	72.6	26.8	39.7	46.3	56.5	58.1	61.0	64.8	67.9	65.6	64.2	56.0
10:25 AM - 11:25 AM	72.1	28.5	41.1	47.2	57.4	58.8	61.4	65.3	67.5	64.9	60.9	48.1
11:25 AM - 12:25 PM	71.5	25.7	38.4	45.0	55.6	57.0	59.5	62.8	66.5	65.1	63.9	54.9
12:25 PM - 01:25 PM	72.2	28.5	41.1	47.1	57.7	58.8	60.9	65.2	67.6	65.2	61.7	50.1
01:25 PM - 02:25 PM	77.2	28.3	40.8	47.0	57.8	59.0	61.7	66.1	69.9	72.1	72.5	63.3
02:25 PM - 03:25 PM	74.8	25.7	38.8	46.3	56.3	57.7	60.6	64.1	67.8	68.8	70.3	60.6
03:25 PM - 04:25 PM	73.8	28.1	40.8	47.2	57.8	58.7	61.6	65.3	68.6	67.3	66.4	57.8
04:25 PM - 05:25 PM	73.5	28.2	40.8	47.2	57.6	59.0	61.6	65.1	68.1	67.0	66.1	57.5
05:25 PM - 06:25 PM	71.8	27.8	40.4	46.9	57.5	58.7	61.1	65.2	67.2	64.4	60.6	48.0
06:25 PM - 07:25 PM	72.1	28.1	40.7	47.2	57.8	59.0	61.4	65.5	67.5	64.7	60.9	48.3
07:25 PM - 08:25 PM	72.4	28.4	41.0	47.5	58.1	59.3	61.7	65.8	67.8	65.0	61.2	48.6
08:25 PM - 09:25 PM	72.7	28.7	41.3	47.8	58.4	59.6	62.0	66.1	68.1	65.3	61.5	48.9
Average	73.4	27.8	40.5	46.9	57.4	58.7	61.3	65.2	68.0	67.0	66.2	56.7

Reference Method : ANSI Standard S1.6-1984

Technical Management

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Approved by

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Supot Salameh
Section Head

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S:\Reports\Air Noise\Octave band rpt (2:38PM)



Analysis / Test Report

Client : BASF (Thai) Limited
111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Pluakdaeng,
Amphur Pluakdaeng, Rayong Thailand 21140
P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2613493
Date Received : Feb 17, 2026
Date Reported : Feb 19, 2026
Report Number : 3511794-1

Page 1 of 1

Sample Number	2613493-8											
Parameter	Octave band											
Location	Polybelt Area (3rd Floor)											
Measurement Date	Feb 16, 2026											
Measurement By	Ronnachai Moungma											
Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
09:58 PM - 10:58 PM	81.3	27.2	42.4	53.8	66.3	75.0	73.4	73.2	73.9	73.4	69.7	56.0
10:58 PM - 11:58 PM	81.3	26.6	42.4	53.7	66.7	75.1	72.9	73.1	73.8	73.4	69.9	56.2
11:58 PM - 12:58 AM	81.4	26.9	42.5	53.8	66.9	75.4	73.0	73.2	73.9	73.5	69.9	56.2
12:58 AM - 01:58 AM	81.4	26.9	42.4	53.8	67.0	75.5	73.0	73.2	73.9	73.4	69.8	56.1
01:58 AM - 02:58 AM	81.5	27.0	42.5	53.8	67.1	75.6	73.3	73.3	73.9	73.5	70.0	56.4
02:58 AM - 03:58 AM	81.6	27.1	42.3	53.7	67.1	75.8	73.3	73.3	73.9	73.5	70.0	56.3
03:58 AM - 04:58 AM	81.5	27.2	42.6	53.8	67.2	75.7	73.2	73.3	73.9	73.4	70.2	56.4
04:58 AM - 05:58 AM	81.5	27.1	42.6	53.8	67.1	75.6	73.2	73.2	73.9	73.3	69.8	56.1
05:58 AM - 06:58 AM	81.8	27.4	42.9	54.1	67.4	75.9	73.5	73.5	74.2	73.6	70.1	56.4
06:58 AM - 07:58 AM	82.4	28.0	43.5	54.7	68.0	76.5	74.1	74.1	74.8	74.2	70.7	57.0
07:58 AM - 08:58 AM	82.7	28.3	43.8	55.0	68.3	76.8	74.4	74.5	74.5	71.0	57.3	57.3
08:58 AM - 09:58 AM	83.2	28.8	44.3	55.5	68.8	77.3	74.9	74.9	75.6	75.0	71.5	57.8
Average	81.8	27.4	42.9	54.2	67.4	75.9	73.6	73.6	74.3	73.8	70.3	56.6



Analysis / Test Report

Client : BASF (Thai) Limited
111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Pluakdaeng,
Amphur Pluakdaeng, Rayong Thailand 21140
P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2613493
Date Received : Feb 17, 2026
Date Reported : Feb 19, 2026
Report Number : 3511795-1

Sample Number		2613493-9											
Parameter		Octave band											
Location		Product Surge Tank (2nd Floor)											
Measurement Date		Feb 16, 2026											
Measurement By		Ronnachai Moungma											
		Result (dB(A))											
Time		Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
09:33 AM - 10:33 AM		82.2	31.8	46.1	58.6	69.3	76.7	77.1	74.9	71.8	69.8	66.8	54.0
10:33 AM - 11:33 AM		81.9	32.1	45.9	58.4	68.9	76.5	76.4	74.8	71.6	69.8	66.7	53.3
11:33 AM - 12:33 PM		81.5	32.1	45.8	58.3	68.7	76.4	75.1	74.7	71.4	69.4	66.7	53.6
12:33 PM - 01:33 PM		81.4	32.4	45.6	58.3	68.5	76.2	74.9	74.7	71.4	69.4	66.6	52.9
01:33 PM - 02:33 PM		81.7	32.2	45.8	58.5	68.7	76.3	76.0	74.8	71.4	69.6	66.7	53.2
02:33 PM - 03:33 PM		82.0	32.0	45.9	58.6	69.1	76.6	76.5	74.9	71.5	69.6	66.7	53.2
03:33 PM - 04:33 PM		82.2	32.6	46.1	58.9	69.5	76.9	76.5	75.1	71.7	69.7	66.7	53.2
04:33 PM - 05:33 PM		82.2	32.4	46.2	58.9	69.4	76.9	76.8	75.0	71.8	69.7	66.7	53.0
05:33 PM - 06:33 PM		82.3	32.2	46.2	58.9	69.6	77.1	76.7	75.1	71.9	69.8	66.9	53.7
06:33 PM - 07:33 PM		82.3	32.5	46.3	59.0	69.6	77.2	76.7	75.1	71.9	69.7	66.7	53.0
07:33 PM - 08:33 PM		82.6	32.8	46.6	59.3	69.9	77.5	77.0	75.4	72.2	70.0	67.0	53.3
08:33 PM - 09:33 PM		82.8	33.0	46.8	59.5	70.1	77.7	77.2	75.6	72.4	70.2	67.2	53.5
Average		82.1	32.4	46.1	58.8	69.3	76.9	76.5	75.0	71.8	69.7	66.8	53.3

Reference Method : ANSI Standard S1.6-1984

Technical Management

Orawan R.
Orawan Rak Yong
Scientist (3)

Approved by

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Supot Salamteh
Section Head

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122-153/ EMAIL



Analysis / Test Report

Client : BASF (Thai) Limited
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Amphur Pluakdaeng, Rayong Thailand 21140
P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2613493
Date Received : Feb 17, 2026
Date Reported : Feb 19, 2026
Report Number : 3511796-1

Sample Number		2613493-10											
Parameter		Octave band											
Location		Rotex SZ 1080 (3rd Floor)											
Measurement Date		Feb 16, 2026											
Measurement By		Ronnachai Moungma											
		Result (dB(A))											
Time		Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
09:08 PM - 10:08 PM		82.6	25.5	41.9	56.8	68.6	73.2	75.3	76.3	76.3	74.1	69.1	58.1
10:08 PM - 11:08 PM		82.6	24.9	42.0	56.8	68.6	73.2	75.2	76.2	76.3	74.1	69.2	58.1
11:08 PM - 12:08 AM		82.6	25.2	41.7	56.7	68.6	73.3	75.3	76.3	76.4	74.0	69.2	58.2
12:08 AM - 01:08 AM		83.0	25.9	41.6	56.7	68.7	73.3	75.3	76.3	76.3	74.7	72.4	66.2
01:08 AM - 02:08 AM		82.5	25.2	41.9	56.7	68.7	73.2	75.2	76.1	76.0	74.0	69.7	60.9
02:08 AM - 03:08 AM		82.6	25.2	41.9	56.6	68.6	73.4	75.2	76.3	76.2	74.0	69.2	58.3
03:08 AM - 04:08 AM		82.6	25.9	41.8	56.6	68.7	73.4	75.3	76.4	76.1	74.0	69.2	58.3
04:08 AM - 05:08 AM		82.6	26.6	42.1	56.6	68.9	73.5	75.4	76.4	76.1	73.9	69.0	58.0
05:08 AM - 06:08 AM		82.5	26.0	42.1	56.6	68.7	73.4	75.2	76.2	76.0	73.9	68.9	58.2
06:08 AM - 07:08 AM		82.4	25.3	41.9	56.4	68.6	73.2	75.0	76.0	75.9	73.9	68.9	58.2
07:08 AM - 08:08 AM		82.4	25.3	41.9	56.3	68.7	73.3	75.1	76.1	75.9	73.9	69.0	58.3
08:08 AM - 09:08 AM		82.7	25.6	42.2	56.6	69.0	73.6	75.4	76.4	76.2	74.2	69.3	58.6
Average		82.6	25.6	41.9	56.6	68.7	73.3	75.2	76.3	76.1	74.1	69.5	60.0

Reference Method : ANSI Standard S1.6-1984

Technical Management

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Approved by

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Supot Salamteh
Section Head

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Analysis / Test Report

Client : BASF (Thai) Limited
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Amphur Pluakdaeng, Rayong Thailand 21140
P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2613493
Date Received : Feb 17, 2026
Date Reported : Feb 19, 2026
Report Number : 3511797-1

Sample Number		2613493-11											
Parameter		Octave band											
Location		Sifter room (3rd Floor)											
Measurement Date		Feb 16, 2026											
Measurement By		Ronnachai Moungma											
		Result (dB(A))											
Time		Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
09:06 PM - 10:06 PM		85.0	29.1	49.4	59.2	72.0	78.9	78.3	77.2	77.3	76.5	67.0	51.2
10:06 PM - 11:06 PM		85.2	29.2	49.3	59.1	72.0	78.9	78.5	77.4	77.6	76.7	67.1	51.3
11:06 PM - 12:06 AM		85.2	29.0	49.5	59.0	72.0	78.9	78.5	77.4	77.8	76.7	67.1	51.3
12:06 AM - 01:06 AM		85.3	29.0	49.2	59.1	71.9	78.9	78.4	77.4	77.9	76.9	70.2	59.8
01:06 AM - 02:06 AM		85.3	28.9	49.5	58.8	72.0	78.9	78.5	77.5	77.8	77.1	69.0	57.5
02:06 AM - 03:06 AM		85.5	29.1	49.7	59.0	72.2	79.1	78.7	77.7	78.0	77.3	69.2	57.7
03:06 AM - 04:06 AM		85.6	29.3	49.5	59.4	72.2	79.2	78.7	77.7	78.2	77.2	70.5	60.1
04:06 AM - 05:06 AM		85.6	29.4	49.9	59.4	72.4	79.3	78.9	77.8	78.2	77.1	67.5	51.7
05:06 AM - 06:06 AM		85.7	29.7	49.8	59.6	72.5	79.4	79.0	77.9	78.1	77.2	67.6	51.8
06:06 AM - 07:06 AM		86.0	30.0	50.1	59.9	72.8	79.7	79.3	78.2	78.4	77.5	67.9	52.1
07:06 AM - 08:06 AM		86.4	30.4	50.5	60.3	73.2	80.1	79.7	78.6	78.8	77.9	68.3	52.5
08:06 AM - 09:06 AM		86.2	30.0	50.5	60.0	73.0	79.9	79.5	78.4	78.8	77.7	68.1	52.3
Average		85.6	29.5	49.8	59.4	72.4	79.3	78.9	77.8	78.1	77.2	68.5	55.6

Reference Method : ANSI Standard S1.6-1984

Technical Management

Orawan R.
Orawan Rak Yong
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Approved by

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Supot Salamteh
Section Head

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Analysis / Test Report

Client : BASF (Thai) Limited
111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Pluakdaeng,
Amphur Pluakdaeng, Rayong Thailand 21140
P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2613493
Date Received : Feb 17, 2026
Date Reported : Feb 20, 2026
Report Number : 3511798-1 Rev. No.1

Sample Number		2613493-12											
Parameter		Octave band											
Location		Utility Room (1st Floor)											
Measurement Date		Feb 16, 2026											
Measurement By		Ronnachal Mounigma											
Time		Result (dBA)											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz	
09:28 AM - 10:28 AM	90.3	37.4	43.4	55.3	63.6	69.7	75.6	80.8	80.8	88.1	81.2	56.0	
10:28 AM - 11:28 AM	90.4	37.0	43.3	55.1	63.3	69.5	75.3	81.5	80.6	88.1	81.3	55.9	
11:28 AM - 12:28 PM	90.2	36.8	45.0	54.9	63.4	70.0	74.9	81.5	80.7	87.8	81.1	55.7	
12:28 PM - 01:28 PM	90.6	36.3	42.7	54.7	63.6	69.8	74.2	82.0	81.3	88.3	81.5	55.8	
01:28 PM - 02:28 PM	90.1	36.3	42.6	54.7	63.7	69.6	74.4	81.2	80.7	87.8	81.1	55.8	
02:28 PM - 03:28 PM	90.2	36.5	42.6	55.1	64.1	69.6	74.9	81.2	80.6	88.0	81.3	56.0	
03:28 PM - 04:28 PM	90.0	36.8	42.9	55.2	63.9	69.1	75.2	79.9	80.6	87.9	81.1	56.1	
04:28 PM - 05:28 PM	90.0	36.9	43.0	55.0	63.3	69.3	75.2	79.1	80.1	88.1	81.3	55.9	
05:28 PM - 06:28 PM	89.9	36.9	41.9	54.7	63.4	69.1	75.2	78.8	80.1	88.0	81.1	56.0	
06:28 PM - 07:28 PM	89.1	37.2	41.9	54.8	63.5	69.2	75.5	78.9	80.8	86.8	80.1	55.7	
07:28 PM - 08:28 PM	89.4	37.5	42.2	55.1	63.8	69.5	75.8	79.2	81.1	87.1	80.4	56.0	
08:28 PM - 09:28 PM	89.6	37.7	42.4	55.3	64.0	69.7	76.0	79.4	81.3	87.3	80.6	56.2	
Average	90.0	37.0	42.9	55.0	63.6	69.5	75.2	80.4	80.7	87.8	81.0	55.9	



Analysis / Test Report

Client : BASF (Thai) Limited

111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Plaukdaeng,
Amphur Plaukdaeng, Rayong Thailand 21140

P/O : 4995744917

Project Name : Monitoring

Project Location :

Lot ID: 2639238

Date Received : May 26, 2026

Date Reported : May 30, 2026

Report Number : 3585973-1

Page 1 of 1

Sample Number	2639238-1														
	Octave band														
Parameter	Band Dryer Area (2nd Floor)														
Location	May 25, 2026														
Measurement Date	Thanathip Itiwutta														
Measurement By															
		Result (dB(A))													
Time	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz			
08:20 PM - 09:20 PM	87.7	34.1	42.6	55.4	63.7	69.7	74.2	78.1	78.7	85.2	79.1	61.7			
09:20 PM - 10:20 PM	87.8	34.3	42.6	55.1	63.5	69.9	74.4	78.0	78.9	85.3	79.3	62.0			
10:20 PM - 11:20 PM	87.8	34.4	42.2	55.0	63.5	69.9	74.5	78.7	78.7	85.2	79.1	61.5			
11:20 PM - 12:20 AM	87.7	34.3	42.1	54.7	63.4	70.0	74.9	78.6	78.7	85.1	79.0	61.4			
12:20 AM - 01:20 AM	87.8	34.5	42.1	54.6	63.4	70.1	75.3	78.4	79.1	85.1	78.9	61.5			
01:20 AM - 02:20 AM	87.6	34.3	42.2	54.5	63.4	70.1	75.3	78.3	78.9	85.0	78.8	61.4			
02:20 AM - 03:20 AM	87.8	34.6	42.3	54.6	63.4	70.2	75.0	78.8	78.6	85.2	79.0	61.4			
03:20 AM - 04:20 AM	87.8	34.3	42.4	54.6	63.5	70.2	75.0	78.7	78.7	85.1	78.9	61.5			
04:20 AM - 05:20 AM	88.0	34.4	42.6	54.8	63.6	70.2	74.9	78.7	78.8	85.4	79.2	61.6			
05:20 AM - 06:20 AM	87.8	34.5	42.4	54.9	63.6	70.2	74.9	78.9	78.7	85.2	79.0	61.6			
06:20 AM - 07:20 AM	87.7	34.5	42.4	54.9	63.5	70.2	74.7	78.9	78.7	85.0	78.9	61.5			
07:20 AM - 08:20 AM	87.8	34.8	42.4	55.2	63.5	70.1	74.4	78.5	78.7	85.3	79.2	61.8			
Average	87.8	34.4	42.4	54.9	63.5	70.1	74.8	78.6	78.8	85.2	79.0	61.6			

Reference Method : ANSI Standard S1.6-1984

Technical Management

Orawan R.
Orawan Rak Yong
Scientist (3)

Approved by

Supot S.
Supot Salameh
Section Head

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S:\Reports\Air Noise_Octave band rpt (10:22AM)



Analysis / Test Report

Client : BASF (Thai) Limited

111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Plaukdaeng,
Amphur Plaukdaeng, Rayong Thailand 21140

P/O : 4995744917

Project Name : Monitoring

Project Location :

Lot ID: 2639238

Date Received : May 26, 2026

Date Reported : May 30, 2026

Report Number : 3585974-1

Page 1 of 1

Sample Number	2639238-2														
	Octave band														
Parameter	BH 1101 (4th Floor)														
Location	May 25, 2026														
Measurement Date	Thanathip Itiwutta														
Measurement By															
		Result (dB(A))													
Time	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz			
08:57 AM - 09:57 AM	88.3	34.8	46.4	50.9	67.8	76.9	81.5	86.6	70.7	69.4	65.8	53.2			
09:57 AM - 10:57 AM	88.2	34.6	46.1	50.8	67.6	76.8	81.5	86.5	70.7	69.4	65.8	53.1			
10:57 AM - 11:57 AM	87.9	34.3	45.6	50.8	67.6	76.9	81.3	86.0	70.7	69.3	65.7	52.9			
11:57 AM - 12:57 PM	87.9	34.4	45.2	50.8	67.5	76.7	81.2	86.1	70.8	69.2	65.6	52.8			
12:57 PM - 01:57 PM	88.4	34.3	45.4	50.9	67.5	76.7	81.2	86.8	70.8	69.2	65.7	52.9			
01:57 PM - 02:57 PM	88.5	34.1	45.2	50.8	67.6	76.6	81.2	87.1	70.8	69.2	65.7	52.9			
02:57 PM - 03:57 PM	88.6	34.4	45.0	50.9	67.7	76.5	81.2	87.1	70.8	69.3	65.8	53.0			
03:57 PM - 04:57 PM	87.7	34.8	45.1	51.0	68.1	76.3	81.1	85.9	70.8	69.4	65.9	53.1			
04:57 PM - 05:57 PM	87.0	34.6	45.3	50.9	68.3	76.2	81.0	84.8	70.9	69.4	65.9	53.2			
05:57 PM - 06:57 PM	86.7	34.3	45.0	50.6	68.0	75.9	80.7	84.5	70.6	69.1	65.6	52.9			
06:57 PM - 07:57 PM	87.1	32.7	43.8	49.4	66.2	75.2	79.8	85.7	69.4	67.8	64.3	51.5			
07:57 PM - 08:57 PM	87.0	33.5	45.1	49.6	66.5	75.6	80.2	85.3	69.4	68.1	64.5	51.9			
Average	87.8	34.3	45.3	50.6	67.6	76.4	81.0	86.1	70.6	69.1	65.6	52.8			

Reference Method : ANSI Standard S1.6-1984

Technical Management

Orawan R.
Orawan Rak Yong
Scientist (3)

Approved by

Supot S.
Supot Salameh
Section Head

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S:\Reports\Air Noise_Octave band rpt (10:23AM)



Analysis / Test Report

Client : BASF (Thai) Limited

111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Plaukdaeng,
Amphur Plaukdaeng, Rayong Thailand 21140

P/O : 4995744917

Project Name : Monitoring

Project Location :

Lot ID: 2639238

Date Received : May 26, 2026

Date Reported : May 30, 2026

Report Number : 3585975-1

Page 1 of 1

Sample Number	2639238-3													Page 2 of 2
Parameter	Octave band													
Location	Control Room (1st Floor)													
Measurement Date	May 25, 2026													
Measurement By	Thanathip Itiwutta													
Time	Result (dB(A))													
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz		
08:22 PM - 09:22 PM	58.0	4.5	25.7	41.9	41.4	47.8	51.4	52.9	52.4	44.4	37.2	26.6		
09:22 PM - 10:22 PM	57.7	4.3	25.0	40.2	39.5	45.3	49.8	51.4	54.4	43.8	36.9	26.5		
10:22 PM - 11:22 PM	55.1	4.0	24.6	39.6	39.4	44.5	47.9	49.9	49.0	44.8	40.1	25.8		
11:22 PM - 12:22 AM	56.4	3.7	24.0	32.6	37.0	42.7	47.4	48.7	54.2	43.2	30.4	23.7		
12:22 AM - 01:22 AM	55.5	3.4	22.5	38.5	37.7	43.2	48.0	48.9	52.2	42.7	33.7	24.3		
01:22 AM - 02:22 AM	58.6	3.7	23.6	46.5	40.9	47.2	51.0	52.9	53.2	47.6	43.2	32.8		
02:22 AM - 03:22 AM	57.4	3.1	23.9	41.5	40.5	47.1	49.9	51.8	52.2	46.7	41.1	28.1		
03:22 AM - 04:22 AM	55.1	3.6	23.0	37.6	39.3	44.1	47.8	48.9	50.9	41.8	36.5	25.6		
04:22 AM - 05:22 AM	54.8	3.9	23.5	42.7	40.1	43.0	47.2	48.4	50.7	41.0	32.4	23.6		
05:22 AM - 06:22 AM	56.6	3.6	23.7	41.0	39.0	44.1	49.2	51.6	51.8	43.8	37.4	27.7		
06:22 AM - 07:22 AM	59.2	4.7	25.5	35.9	40.0	45.5	52.9	53.7	54.3	48.2	38.4	28.9		
07:22 AM - 08:22 AM	59.1	4.7	26.6	33.8	38.1	45.3	50.5	51.1	56.9	46.0	34.1	24.4		
Average	57.2	4.0	24.5	40.9	39.6	45.3	49.8	51.2	53.2	45.0	38.2	27.4		



Analysis / Test Report

Client : BASF (Thai) Limited

111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Plaakdaeng,
Amphur Plaakdaeng, Rayong Thailand 21140

P/O : 4995744917

Project Name : Monitoring

Project Location :

Lot ID: 2639238

Date Received : May 26, 2026

Date Reported : May 30, 2026

Report Number : 3585977-1

Page 1 of 1

Sample Number	2639238-5												
Parameter	Octave band												
Location	Extruder 2 (2nd Floor) ตู้รวม												
Measurement Date	May 25, 2026												
Measurement By	Thanathip Itiwutta												
Time	Result (dB(A))												
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz	
09:03 AM - 10:03 AM	90.6	32.5	47.7	61.3	81.4	88.5	81.6	77.7	75.9	77.0	59.9	44.6	
10:03 AM - 11:03 AM	90.6	32.5	47.5	61.2	81.3	88.5	81.6	77.7	76.0	78.2	59.9	44.1	
11:03 AM - 12:03 PM	90.4	32.4	47.6	61.2	81.2	88.4	81.5	77.6	75.5	75.3	59.9	44.9	
12:03 PM - 01:03 PM	90.4	32.4	47.4	61.2	81.3	88.5	81.5	77.7	75.5	73.8	59.8	44.7	
01:03 PM - 02:03 PM	90.4	32.5	47.4	61.2	81.3	88.5	81.6	77.7	75.5	72.7	59.7	44.2	
02:03 PM - 03:03 PM	90.5	32.4	47.4	61.2	81.2	88.6	81.6	77.8	75.4	73.9	59.6	44.9	
03:03 PM - 04:03 PM	90.4	32.8	47.4	61.2	81.3	88.5	81.6	77.7	75.5	72.6	59.7	44.4	
04:03 PM - 05:03 PM	90.5	33.0	47.4	61.2	81.4	88.5	81.6	77.7	75.9	73.7	59.9	44.6	
05:03 PM - 06:03 PM	90.6	32.9	47.4	61.3	81.4	88.6	81.7	77.7	76.3	75.9	59.9	45.9	
06:03 PM - 07:03 PM	90.7	33.0	47.5	61.4	81.5	88.7	81.8	77.8	76.4	76.0	60.0	46.0	
07:03 PM - 08:03 PM	90.6	33.1	47.5	61.3	81.5	88.6	81.7	77.8	76.0	73.8	60.0	44.7	
08:03 PM - 09:03 PM	90.5	32.6	47.5	61.3	81.4	88.6	81.7	77.8	75.6	72.8	59.8	44.3	
Average	90.5	32.7	47.5	61.3	81.4	88.5	81.6	77.7	75.8	75.0	59.8	44.8	

Reference Method : ANSI Standard S1.6-1984

Technical Management

Orawan R.
Orawan Rak Yong
Scientist (3)

Approved by

Supot S.
Supot Salameh
Section Head

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Analysis / Test Report

Client : BASF (Thai) Limited

111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Plaakdaeng,
Amphur Plaakdaeng, Rayong Thailand 21140

P/O : 4995744917

Project Name : Monitoring

Project Location :

Lot ID: 2639238

Date Received : May 26, 2026

Date Reported : May 30, 2026

Report Number : 3585978-1

Page 1 of 1

Sample Number	2639238-6												
Parameter	Octave band												
Location	K Tron PC1060 (3rd Floor)												
Measurement Date	May 25, 2026												
Measurement By	Thanathip Itiwutta												
	Result (dB(A))												
Time	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz	
08:53 AM - 09:53 AM	84.7	23.5	50.3	51.5	64.1	73.2	74.7	76.6	76.5	78.3	78.6	70.5	
09:53 AM - 10:53 AM	84.8	23.5	49.7	51.1	63.6	73.1	74.5	76.3	76.6	78.5	78.9	70.8	
10:53 AM - 11:53 AM	84.6	23.1	49.5	50.8	63.6	72.9	74.2	76.2	76.3	78.2	78.7	70.4	
11:53 AM - 12:53 PM	84.6	23.3	49.7	50.7	63.6	73.1	74.2	75.8	76.1	78.4	78.9	70.6	
12:53 PM - 01:53 PM	84.5	23.2	49.6	51.0	63.4	72.9	74.2	75.8	76.2	78.2	78.7	70.4	
01:53 PM - 02:53 PM	84.5	23.2	49.6	50.8	63.1	73.1	74.1	75.4	76.0	78.4	78.9	70.6	
02:53 PM - 03:53 PM	84.5	23.5	49.4	50.7	63.0	72.9	74.1	76.1	76.5	78.1	78.7	70.3	
03:53 PM - 04:53 PM	84.7	23.6	49.1	50.9	62.9	73.0	74.2	76.6	76.8	78.3	78.8	70.5	
04:53 PM - 05:53 PM	84.6	23.5	49.2	50.7	63.2	73.1	74.3	76.4	76.3	78.1	78.7	70.4	
05:53 PM - 06:53 PM	84.7	23.6	49.4	51.1	63.4	73.5	74.4	76.6	76.4	78.2	78.7	70.5	
06:53 PM - 07:53 PM	85.6	24.5	50.2	51.7	64.2	74.1	75.3	77.4	77.3	79.1	79.7	71.4	
07:53 PM - 08:53 PM	85.1	24.0	49.5	51.3	63.3	73.4	74.6	77.0	77.2	78.7	79.2	70.9	
Average	84.8	23.6	49.6	51.0	63.5	73.2	74.4	76.4	76.5	78.4	78.9	70.6	

Reference Method : ANSI Standard S1.6-1984

Technical Management

Orawan R.
Orawan Rak Yong
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Supot Salameh
Section Head

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111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Plaakdaeng,
Amphur Plaakdaeng, Rayong Thailand 21140

P/O : 4995744917

Project Name : Monitoring

Project Location :

Lot ID: 2639238

Date Received : May 26, 2026

Date Reported : May 30, 2026

Report Number : 3585979-1

Page 1 of 1

Sample Number	2639238-7												
Parameter	Octave band												
Location	Packing (1st Floor)												
Measurement Date	May 25, 2026												
Measurement By	Thanathip Itiwutta												
Time	Result (dB(A))												
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz	
08:18 PM - 09:18 PM	73.0	25.5	39.4	45.2	55.9	57.9	61.5	65.7	68.6	66.3	63.1	53.3	
09:18 PM - 10:18 PM	72.9	25.6	39.6	45.4	56.3	57.6	61.1	65.1	68.1	66.7	63.7	54.1	
10:18 PM - 11:18 PM	72.3	25.3	39.1	45.0	55.8	57.3	60.8	64.7	68.2	65.5	61.8	51.6	
11:18 PM - 12:18 AM	72.6	25.6	39.4	45.3	56.8	58.0	62.0	66.0	68.6	65.1	59.7	48.0	
12:18 AM - 01:18 AM	72.2	25.7	39.5	45.2	56.7	58.0	61.5	65.6	67.5	65.5	60.7	49.7	
01:18 AM - 02:18 AM	73.0	26.0	39.6	45.6	56.8	58.3	62.4	66.3	68.3	66.1	62.1	52.2	
02:18 AM - 03:18 AM	73.0	25.3	39.2	45.1	57.0	58.8	63.0	66.4	68.4	65.7	61.5	51.6	
03:18 AM - 04:18 AM	72.7	25.6	39.4	45.0	57.1	58.5	62.3	66.0	69.1	64.9	58.9	47.1	
04:18 AM - 05:18 AM	73.9	26.3	39.9	45.6	58.2	59.7	64.2	67.0	69.9	65.9	61.3	51.1	
05:18 AM - 06:18 AM	74.3	25.8	39.6	45.3	58.0	59.5	65.7	67.3	70.6	65.6	60.7	50.2	
06:18 AM - 07:18 AM	72.6	23.3	37.5	43.9	55.7	57.6	63.2	65.6	69.2	63.7	59.5	49.4	
07:18 AM - 08:18 AM	73.6	26.0	39.7	45.7	56.5	58.3	61.8	65.9	68.8	67.5	64.6	55.1	
Average	73.1	25.6	39.4	45.2	56.8	58.4	62.7	66.0	68.9	65.8	61.8	51.7	

Reference Method : ANSI Standard S1.6-1984

Technical Management

Orawan R.
Orawan Rak Yong
Scientist (3)

Approved by

Supot S.
Supot Salameh
Section Head

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Analysis / Test Report



Analysis / Test Report

Client : BASF (Thai) Limited
111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Puakdaeng,
Amphur Puakdaeng, Rayong Thailand 21140
P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2639238
Date Received : May 26, 2026
Date Reported : May 30, 2026
Report Number : 3585981-1

Page 1 of 1

Sample Number	2639238-9											
	Octave band											
Parameter	Product Surge Tank (2nd Floor)											
Location	May 25, 2026											
Measurement Date	Thanathip Itiwutta											
Measurement By												
Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:03 PM - 09:03 PM	82.5	31.7	48.9	57.0	70.2	77.5	77.2	75.3	71.0	69.1	67.3	57.2
09:03 PM - 10:03 PM	82.6	31.6	49.0	57.0	70.2	77.4	77.4	75.3	71.0	69.1	67.2	57.2
10:03 PM - 11:03 PM	82.7	31.7	49.1	57.0	70.3	77.5	77.7	75.2	71.0	69.2	67.3	57.3
11:03 PM - 12:03 AM	82.8	31.7	49.2	57.0	70.0	77.5	78.0	75.0	71.1	69.4	67.4	57.3
12:03 AM - 01:03 AM	82.8	31.6	49.2	57.0	70.1	77.5	78.2	75.0	71.0	69.3	67.3	57.1
01:03 AM - 02:03 AM	82.7	31.4	49.3	57.1	70.3	77.5	78.0	74.9	71.1	69.2	67.2	57.2
02:03 AM - 03:03 AM	82.8	31.4	49.4	57.1	70.6	77.6	78.1	74.8	71.1	69.2	67.2	57.1
03:03 AM - 04:03 AM	82.8	31.4	49.3	57.1	70.6	77.5	78.2	74.9	71.1	69.2	67.2	57.2
04:03 AM - 05:03 AM	82.9	31.6	49.4	57.2	70.7	77.6	78.4	74.9	71.1	69.3	67.2	57.2
05:03 AM - 06:03 AM	83.1	31.5	49.4	57.2	70.6	77.6	78.8	74.9	71.2	69.2	67.2	57.2
06:03 AM - 07:03 AM	83.0	31.5	49.4	57.1	70.5	77.5	78.7	74.9	71.2	69.4	67.4	57.7
07:03 AM - 08:03 AM	83.0	31.6	49.4	57.2	70.7	77.5	78.6	74.9	71.2	69.2	67.2	57.4
Average	82.8	31.6	49.3	57.1	70.4	77.5	78.1	75.0	71.1	69.2	67.3	57.3

Reference Method : ANSI Standard S1.6-1984

Technical Management

Orawan R.
Orawan Rak Yong
Scientist (3)

Approved by

Supot S.
Supot Salameh
Section Head

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S:\Reports\Air Noise_Octave band rpt (10:24AM)



Analysis / Test Report

Client : BASF (Thai) Limited
111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Puakdaeng,
Amphur Puakdaeng, Rayong Thailand 21140
P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2639238
Date Received : May 26, 2026
Date Reported : May 30, 2026
Report Number : 3585982-1

Page 1 of 1

Sample Number	2639238-10											
	Octave band											
Parameter	Rotex SZ 1080 (3rd Floor)											
Location	May 25, 2026											
Measurement Date	Thanathip Itiwutta											
Measurement By												
Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:56 AM - 09:56 AM	81.7	25.3	41.1	57.9	68.6	73.8	75.6	76.3	74.0	70.1	64.8	56.1
09:56 AM - 10:56 AM	81.5	24.7	40.6	57.2	67.9	73.5	75.2	75.8	73.7	70.7	66.9	60.4
10:56 AM - 11:56 AM	81.4	24.9	40.4	57.2	67.8	73.6	75.3	75.7	73.6	70.4	66.1	58.7
11:56 AM - 12:56 PM	81.6	25.4	40.5	57.5	67.9	73.9	75.5	76.0	73.9	70.2	64.7	54.8
12:56 PM - 01:56 PM	81.9	24.6	40.1	57.2	67.9	74.0	75.7	76.4	74.2	70.8	65.1	54.4
01:56 PM - 02:56 PM	81.9	24.6	40.5	57.4	68.0	74.1	75.8	76.4	74.2	70.7	65.0	54.2
02:56 PM - 03:56 PM	81.9	24.4	40.3	57.2	67.9	73.9	75.7	76.4	74.3	70.8	65.0	54.3
03:56 PM - 04:56 PM	81.9	24.1	40.2	57.1	68.0	73.6	75.6	76.5	74.5	70.9	65.1	54.4
04:56 PM - 05:56 PM	81.9	24.0	40.3	57.3	68.2	73.5	75.5	76.5	74.5	70.9	65.2	54.4
05:56 PM - 06:56 PM	82.1	24.3	40.6	57.6	68.5	73.6	75.7	76.7	74.7	71.0	65.7	56.7
06:56 PM - 07:56 PM	83.2	25.4	41.7	58.7	69.6	74.7	76.8	77.8	75.8	72.1	66.8	57.8
07:56 PM - 08:56 PM	82.3	24.4	40.7	57.7	68.6	73.9	75.9	76.9	74.9	71.3	65.6	54.8
Average	82.0	24.7	40.6	57.5	68.3	73.9	75.7	76.5	74.4	70.9	65.6	56.4

Reference Method : ANSI Standard S1.6-1984

Technical Management

Orawan R.
Orawan Rak Yong
Scientist (3)

Approved by

Supot S.
Supot Salameh
Section Head

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S:\Reports\Air Noise_Octave band rpt (10:24AM)



Analysis / Test Report

Client : BASF (Thai) Limited
111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Puakdaeng,
Amphur Puakdaeng, Rayong Thailand 21140
P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2639238
Date Received : May 26, 2026
Date Reported : May 30, 2026
Report Number : 3585983-1

Page 1 of 1

Sample Number	2639238-11											
	Octave band											
Parameter	Sifter room (3rd Floor)											
Location	May 25, 2026											
Measurement Date	Thanathip Itiwutta											
Measurement By												
Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:54 AM - 09:54 AM	83.8	30.4	47.7	60.2	71.5	78.5	77.5	76.7	74.6	72.4	66.9	60.9
09:54 AM - 10:54 AM	84.1	30.3	47.4	60.4	71.4	78.3	77.4	76.6	75.3	73.1	71.1	67.5
10:54 AM - 11:54 AM	83.9	30.7	47.3	60.4	71.4	78.2	77.3	76.5	75.7	72.6	69.7	64.7
11:54 AM - 12:54 PM	83.7	30.8	47.1	60.5	71.4	78.2	77.3	76.5	75.5	71.9	66.6	59.9
12:54 PM - 01:54 PM	83.7	30.8	46.9	60.2	71.4	78.2	77.3	76.5	75.2	71.7	65.5	56.6
01:54 PM - 02:54 PM	83.6	30.6	46.9	60.3	71.4	78.2	77.3	76.5	75.0	71.7	65.4	56.5
02:54 PM - 03:54 PM	83.6	30.6	47.0	60.2	71.3	78.2	77.3	76.5	75.2	71.8	65.4	56.6
03:54 PM - 04:54 PM	83.7	30.6	46.8	60.1	71.3	78.2	77.5	76.7	75.4	71.9	65.4	56.6
04:54 PM - 05:54 PM	83.8	30.5	47.1	60.1	71.3	78.2	77.5	76.9	74.9	72.1	65.4	56.6
05:54 PM - 06:54 PM	83.8	30.3	47.1	60.0	71.4	78.3	77.6	76.9	74.5	72.4	67.3	61.5
06:54 PM - 07:54 PM	83.8	30.7	46.9	60.2	71.4	78.3	77.6	76.8	75.5	72.0	65.5	56.7
07:54 PM - 08:54 PM	83.8	30.8	47.2	60.4	71.5	78.4	77.5	76.7	75.4	72.0	65.6	56.8
Average	83.8	30.6	47.1	60.3	71.4	78.3	77.4	76.7	75.2	72.2	67.1	61.1

Reference Method : ANSI Standard S1.6-1984

Technical Management

Orawan R.
Orawan Rak Yong
Scientist (3)

Approved by

Supot S.
Supot Salameh
Section Head

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S:\Reports\Air Noise_Octave band rpt (10:24AM)



Analysis / Test Report

Client : BASF (Thai) Limited
111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Puakdaeng,
Amphur Puakdaeng, Rayong Thailand 21140
P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2639238
Date Received : May 26, 2026
Date Reported : May 30, 2026
Report Number : 3585984-1

Page 1 of 1

Sample Number	2639238-12											
Parameter	Octave band											
Location	Utility Room (1st Floor)											
Measurement Date	May 25, 2026											
Measurement By	Thanathip Itiwutta											
Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:20 PM - 09:20 PM	87.7	34.1	42.6	55.4	63.7	69.7	74.2	78.1	78.7	85.2	79.1	61.7
09:20 PM - 10:20 PM	87.8	34.3	42.6	55.1	63.5	69.9	74.4	78.0	78.9	85.3	79.3	62.0
10:20 PM - 11:20 PM	87.8	34.4	42.2	55.0	63.5	69.9	74.5	78.7	78.7	85.2	79.1	61.5
11:20 PM - 12:20 AM	87.7	34.3	42.1	54.7	63.4	70.0	74.9	78.6	78.7	85.1	79.0	61.4
12:20 AM - 01:20 AM	87.8	34.5	42.1	54.6	63.4	70.1	75.3	78.4	79.1	85.1	78.9	61.5
01:20 AM - 02:20 AM	87.6	34.3	42.2	54.5	63.4	70.1	75.3	78.3	78.9	85.0	78.8	61.4
02:20 AM - 03:20 AM	87.8	34.6	42.3	54.6	63.4	70.2	75.0	78.8	78.6	85.2	79.0	61.4
03:20 AM - 04:20 AM	87.8	34.3	42.4	54.6	63.5	70.2	75.0	78.7	78.7	85.1	78.9	61.5
04:20 AM - 05:20 AM	88.0	34.4	42.6	54.8	63.6	70.2	74.9	78.7	78.8	85.4	79.2	61.6
05:20 AM - 06:20 AM	87.8	34.5	42.4	54.9	63.6	70.2	74.9	78.9	78.7	85.2	79.0	61.6
06:20 AM - 07:20 AM	87.7	34.5	42.4	54.9	63.5	70.2	74.7	78.9	78.8	85.0	78.9	61.5
07:20 AM - 08:20 AM	87.8	34.8	42.4	55.2	63.5	70.1	74.4	78.5	78.7	85.3	79.2	61.8
Average	87.8	34.4	42.4	54.9	63.5	70.1	74.8	78.6	78.8	85.2	79.0	61.6



Analysis / Test Report

Client : BASF (Thai) Limited
111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Pluakdaeng, Amphur
Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2613495

Date Received : Feb 17, 2026

Date Reported : Feb 24, 2026

Report Number : 3506604-1

Page 1 of 4										
Sample Number	2613495-1									
Sampled Date	Feb 16, 2026									
Sample Description	Noise Dose									
Location	Operator Technician									
Personal Sampling	นาย Nobporn C.									
Date Analysis Commenced	Feb 18, 2026									
Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location	
Air Testing										
Noise Dose (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	%	-	1	33.9	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong	
Noise Dose (8 hrs.)	08:00 AM - 08:00 PM	%	-	1	32.4	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong	
TWA (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	dB(A)	-	-	78.3	83*	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong	
TWA (8 hrs.)	08:00 AM - 08:00 PM	dB(A)	-	-	80.1	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong	

Guideline :

MOL : 1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Notification of Department of Labour Protection and Welfare on the Standard of Time Weighted Average (TWA) Noise Level (B.E. 2561)
* MOL: Recommended guideline limit for 12 working hours should not be over 83 dB(A)

Note : LCpeak = 143.4 dB(A), Lmax = 106.5 dB(A)

Sampled By : Thanathip Itiwutta

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Supt S
Supot Salamteh
Section Head

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Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2613495

Date Received : Feb 17, 2026

Date Reported : Feb 24, 2026

Report Number : 3506604-1

Page 2 of 4										
Sample Number	2613495-2									
Sampled Date	Feb 16, 2026									
Sample Description	Noise Dose									
Location	Shift Leader									
Personal Sampling	นาย Yospisit C									
Date Analysis Commenced	Feb 18, 2026									
Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location	
Air Testing										
Noise Dose (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	%	-	1	41.7	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong	
Noise Dose (8 hrs.)	08:00 AM - 08:00 PM	%	-	1	38.9	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong	
TWA (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	dB(A)	-	-	79.2	83*	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong	
TWA (8 hrs.)	08:00 AM - 08:00 PM	dB(A)	-	-	80.9	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong	

Guideline :

MOL : 1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Notification of Department of Labour Protection and Welfare on the Standard of Time Weighted Average (TWA) Noise Level (B.E. 2561)
* MOL: Recommended guideline limit for 12 working hours should not be over 83 dB(A)

Note : LCpeak = 134.7 dB(A), Lmax = 107.3 dB(A)

Sampled By : Thanathip Itiwutta

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

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Supot Salamteh
Section Head

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Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2613495

Date Received : Feb 17, 2026

Date Reported : Feb 24, 2026

Report Number : 3506604-1

Page 3 of 4										
Sample Number	2613495-3									
Sampled Date	Feb 16, 2026									
Sample Description	Noise Dose									
Location	E&I Technician									
Personal Sampling	นาย Thongchai P									
Date Analysis Commenced	Feb 18, 2026									
Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location	
Air Testing										
Noise Dose (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	%	-	1	15.1	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong	
Noise Dose (8 hrs.)	08:00 AM - 08:00 PM	%	-	1	14.4	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong	
TWA (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	dB(A)	-	-	74.8	83*	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong	
TWA (8 hrs.)	08:00 AM - 08:00 PM	dB(A)	-	-	76.6	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong	

Guideline :

MOL : 1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Notification of Department of Labour Protection and Welfare on the Standard of Time Weighted Average (TWA) Noise Level (B.E. 2561)
* MOL: Recommended guideline limit for 12 working hours should not be over 83 dB(A)

Note : LCpeak = 131.1 dB(A), Lmax = 108.8 dB(A)

Sampled By : Thanathip Itiwutta

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Supt S
Supot Salamteh
Section Head

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Client : BASF (Thai) Limited
111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Pluakdaeng, Amphur
Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2613495

Date Received : Feb 17, 2026

Date Reported : Feb 24, 2026

Report Number : 3506604-1

Page 4 of 4										
Sample Number	2613495-4									
Sampled Date	Feb 16, 2026									
Sample Description	Noise Dose									
Location	Packaging Technician									
Personal Sampling	นาย Kitchai C									
Date Analysis Commenced	Feb 18, 2026									
Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location	
Air Testing										
Noise Dose (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	%	-	1	25.7	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong	
Noise Dose (8 hrs.)	08:00 AM - 08:00 PM	%	-	1	24.0	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong	
TWA (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	dB(A)	-	-	77.1	83*	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong	
TWA (8 hrs.)	08:00 AM - 08:00 PM	dB(A)	-	-	78.8	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong	

Guideline :

MOL : 1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Notification of Department of Labour Protection and Welfare on the Standard of Time Weighted Average (TWA) Noise Level (B.E. 2561)
* MOL: Recommended guideline limit for 12 working hours should not be over 83 dB(A)

Note : LCpeak = 139.3 dB(A), Lmax = 105.6 dB(A)

Sampled By : Thanathip Itiwutta

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

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Supot Salamteh
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Analysis / Test Report

Client : BASF (Thai) Limited
111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Plauckdaeng, Amphur
Plauckdaeng, Rayong Thailand 21140
P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2613498
Date Received : Feb 17, 2026
Date Reported : Feb 24, 2026
Report Number : 3506609-1

Page 1 of 1										
Sample Number	2613498-1									
Sampled Date	Feb 16, 2026									
Sample Description	Noise Dose									
Location	Mechanical Technician									
Personal Sampling	นายChatuphong P									
Date Analysis Commenced	Feb 20, 2026									
Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location	
Air Testing	Noise Dose (8 hrs.)	08:00 AM - 04:00 PM	%	-	1	25.7	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
	TWA (8 hrs.)	08:00 AM - 04:00 PM	dB(A)	-	-	79.1	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong

Guideline :
MOL : 1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Notification of Department of Labour Protection and Welfare on the Standard of Time Weighted Average (TWA) Noise Level (B.E. 2561)
Note : * LCpeak = 130.7 dB(A), Lmax = 100.5 dB(A)

Sampled By : Thanathip Itiwutta

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Supt S

Supt Salamteh
Section Head

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Analysis / Test Report

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111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Plauckdaeng, Amphur
Plauckdaeng, Rayong Thailand 21140
P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2639240
Date Received : May 26, 2026
Date Reported : May 29, 2026
Report Number : 3567880-1

Page 1 of 4										
Sample Number	2639240-1									
Sampled Date	May 25, 2026									
Sample Description	Noise Dose									
Location	Operator Technician									
Personal Sampling	นายจิรพงศ์ ศรีนาค									
Date Analysis Commenced	May 27, 2026									
Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location	
Air Testing	Noise Dose (12 hrs.) (Calculated from Lavg)	08:30 AM - 08:30 PM	%	-	1	22.9	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
	Noise Dose (8 hrs.)	08:30 AM - 08:30 PM	%	-	1	21.9	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
TWA (12 hrs.) (Calculated from Lavg)		08:30 AM - 08:30 PM	dB(A)	-	-	76.6	83*	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
	TWA (8 hrs.)	08:30 AM - 08:30 PM	dB(A)	-	-	78.4	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong

Guideline :
MOL : 1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Notification of Department of Labour Protection and Welfare on the Standard of Time Weighted Average (TWA) Noise Level (B.E. 2561)
* MOL: Recommended guideline limit for 12 working hours should not be over 83 dB(A)

Note : * LCpeak = 133.6 dB(A), Lmax = 102.5 dB(A)

Sampled By : Thanathip Itiwutta

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Supt S

Supt Salamteh
Section Head

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Analysis / Test Report

Client : BASF (Thai) Limited
111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Plauckdaeng, Amphur
Plauckdaeng, Rayong Thailand 21140
P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2639240
Date Received : May 26, 2026
Date Reported : May 29, 2026
Report Number : 3567880-1

Page 2 of 4										
Sample Number	2639240-2									
Sampled Date	May 25, 2026									
Sample Description	Noise Dose									
Location	Shift Leader									
Personal Sampling	นายไพฑูรย์ สุวรรณสวัสดิ์									
Date Analysis Commenced	May 27, 2026									
Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location	
Air Testing	Noise Dose (12 hrs.) (Calculated from Lavg)	08:30 AM - 08:30 PM	%	-	1	11.0	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
	Noise Dose (8 hrs.)	08:30 AM - 08:30 PM	%	-	1	10.5	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
TWA (12 hrs.) (Calculated from Lavg)		08:30 AM - 08:30 PM	dB(A)	-	-	73.4	83*	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
	TWA (8 hrs.)	08:30 AM - 08:30 PM	dB(A)	-	-	75.2	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong

Guideline :
MOL : 1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Notification of Department of Labour Protection and Welfare on the Standard of Time Weighted Average (TWA) Noise Level (B.E. 2561)
* MOL: Recommended guideline limit for 12 working hours should not be over 83 dB(A)

Note : * LCpeak = 137.3 dB(A), Lmax = 108.2 dB(A)

Sampled By : Thanathip Itiwutta

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Supt S

Supt Salamteh
Section Head

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Analysis / Test Report

Client : BASF (Thai) Limited
111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Plauckdaeng, Amphur
Plauckdaeng, Rayong Thailand 21140
P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2639240
Date Received : May 26, 2026
Date Reported : May 29, 2026
Report Number : 3567880-1

Page 3 of 4										
Sample Number	2639240-3									
Sampled Date	May 25, 2026									
Sample Description	Noise Dose									
Location	E&I Technician									
Personal Sampling	นายจิรพงศ์ ศรีนาค									
Date Analysis Commenced	May 27, 2026									
Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location	
Air Testing	Noise Dose (12 hrs.) (Calculated from Lavg)	08:30 AM - 08:30 PM	%	-	1	58.9	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
	Noise Dose (8 hrs.)	08:30 AM - 08:30 PM	%	-	1	56.2	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
TWA (12 hrs.) (Calculated from Lavg)		08:30 AM - 08:30 PM	dB(A)	-	-	80.7	83*	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
	TWA (8 hrs.)	08:30 AM - 08:30 PM	dB(A)	-	-	82.5	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong

Guideline :
MOL : 1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Notification of Department of Labour Protection and Welfare on the Standard of Time Weighted Average (TWA) Noise Level (B.E. 2561)
* MOL: Recommended guideline limit for 12 working hours should not be over 83 dB(A)

Note : * LCpeak = 138.5 dB(A), Lmax = 110.9 dB(A)

Sampled By : Thanathip Itiwutta

Remark :
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Supt S

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Analysis / Test Report

Client : BASF (Thai) Limited
111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Puakdaeng, Amphur
Puakdaeng, Rayong Thailand 21140
P/O : 4995744917
Project Name : Monitoring
Project Location : Monitoring

Lot ID: 2639240
Date Received : May 26, 2026
Date Reported : May 29, 2026
Report Number : 3567880-1

Page 4 of 4

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Noise Dose (12 hrs.) (Calculated from Lavg)	08:30 AM - 08:30 PM	%	-	1	46.8	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
Noise Dose (8 hrs.)	08:30 AM - 08:30 PM	%	-	1	43.6	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
TWA (12 hrs.) (Calculated from Lavg)	08:30 AM - 08:30 PM	dB(A)	-	-	79.7	83*	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
TWA (8 hrs.)	08:30 AM - 08:30 PM	dB(A)	-	-	81.4	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong

Guideline :

MOL : 1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Notification of Department of Labour Protection and Welfare on the Standard of Time Weighted Average (TWA) Noise Level (B.E. 2561)
* MOL: Recommended guideline limit for 12 working hours should not be over 83 dB(A)

Note : LCpeak = 136.9 dB(A), Lmax = 107.9 dB(A)

Sampled By : Thanathip Itiwutta

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Supot S.
Supot Salameth
Section Head

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Client : BASF (Thai) Limited
111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Puakdaeng, Amphur
Puakdaeng, Rayong Thailand 21140
P/O : 4995744917
Project Name : Monitoring
Project Location : Monitoring

Lot ID: 2639241
Date Received : May 26, 2026
Date Reported : May 29, 2026
Report Number : 3567881-1

Page 1 of 1

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Noise Dose (8 hrs.)	08:30 AM - 04:30 PM	%	-	1	19.5	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
TWA (8 hrs.)	08:30 AM - 04:30 PM	dB(A)	-	-	77.9	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong

Guideline :

MOL : 1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Notification of Department of Labour Protection and Welfare on the Standard of Time Weighted Average (TWA) Noise Level (B.E. 2561)
Note : LCpeak = 127.7 dB(A), Lmax = 101.1 dB(A)

Sampled By : Thanathip Itiwutta

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Supot S.
Supot Salameth
Section Head

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Puakdaeng, Rayong Thailand 21140
P/O : 4995744917
Project Name : Monitoring
Project Location : Monitoring

Lot ID: 2613502
Date Received : Feb 17, 2026
Date Reported : Mar 07, 2026
Report Number : 3506625-1

Page 1 of 26

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Acrylic acid *	09:00 AM - 11:00 AM	ppm	-	0.10	<0.10	2	Based on OSHA, PV2005	MOL	Bangkok

Guideline :

MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)

Sampled By : Thanathip Itiwutta

Remark :

- LOD : Limit of Detection
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Approved by

Thanita K.
Thanita Kulsuriwong
Scientist (4)

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Puakdaeng, Rayong Thailand 21140
P/O : 4995744917
Project Name : Monitoring
Project Location : Monitoring

Lot ID: 2613502
Date Received : Feb 17, 2026
Date Reported : Mar 07, 2026
Report Number : 3506625-1

Page 2 of 26

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Acrylic acid *	09:00 AM - 11:00 AM	ppm	-	0.10	<0.10	2	Based on OSHA, PV2005	MOL	Bangkok

Guideline :

MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)

Sampled By : Thanathip Itiwutta

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Approved by

Thanita K.
Thanita Kulsuriwong
Scientist (4)

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Analysis / Test Report



TESTING
No.0042

Client : BASF (Thai) Limited
111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Puakdaeng, Amphur
Puakdaeng, Rayong Thailand 21140
P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2613502
Date Received : Feb 17, 2026
Date Reported : Mar 07, 2026
Report Number : 3506625-1

Page 3 of 26

Sample Number 2613502-3
Sampled Date Feb 16, 2026
Sample Description Air Quality
Location Mix Tank Room area 2nd
Date Analysis Commenced Feb 18, 2026
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 756 mmHg
Atmospheric Temperature 32.3 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Acrylic acid *	01:30 PM - 03:30 PM	ppm	-	0.10	<0.10	2	Based on OSHA, PV2005	MOL	Bangkok

Guideline :
MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)
Sampled By : Thanathip Itiwutta

Remark :
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Approved by

Thanitak.

Thanita Kulsuriwong
Scientist (4)

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Puakdaeng, Rayong Thailand 21140
P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2613502
Date Received : Feb 17, 2026
Date Reported : Mar 07, 2026
Report Number : 3506625-1

Page 4 of 26

Sample Number 2613502-4
Sampled Date Feb 16, 2026
Sample Description Air Quality
Location Stripping column 3rd floor
Date Analysis Commenced Feb 18, 2026
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 756 mmHg
Atmospheric Temperature 32.3 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Acrylic acid *	01:30 PM - 03:30 PM	ppm	-	0.10	<0.10	2	Based on OSHA, PV2005	MOL	Bangkok

Guideline :
MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)
Sampled By : Thanathip Itiwutta

Remark :
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Approved by

Thanitak.

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Scientist (4)

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Analysis / Test Report



TESTING
No.0042

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Puakdaeng, Rayong Thailand 21140
P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2613502
Date Received : Feb 17, 2026
Date Reported : Mar 07, 2026
Report Number : 3506625-1

Page 5 of 26

Sample Number 2613502-5
Sampled Date Feb 17, 2026
Sample Description Air Quality
Location QA lab
Date Analysis Commenced Feb 18, 2026
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 756 mmHg
Atmospheric Temperature 26.5 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Acrylic acid *	09:30 AM - 11:30 AM	ppm	-	0.10	<0.10	2	Based on OSHA, PV2005	MOL	Bangkok

Guideline :
MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)
Sampled By : Thanathip Itiwutta

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Approved by

Thanitak.

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Scientist (4)

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Analysis / Test Report



TESTING
No.0042

Client : BASF (Thai) Limited
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Puakdaeng, Rayong Thailand 21140
P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2613502
Date Received : Feb 17, 2026
Date Reported : Mar 07, 2026
Report Number : 3506625-1

Page 6 of 26

Sample Number 2613502-6
Sampled Date Feb 17, 2026
Sample Description Air Quality
Location RD lab
Date Analysis Commenced Feb 18, 2026
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 756 mmHg
Atmospheric Temperature 26.5 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Acrylic acid *	09:30 AM - 11:30 AM	ppm	-	0.10	<0.10	2	Based on OSHA, PV2005	MOL	Bangkok

Guideline :
MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)
Sampled By : Thanathip Itiwutta

Remark :
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Approved by

Thanitak.

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Scientist (4)

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Analysis / Test Report



TESTING
No.0042

Client : BASF (Thai) Limited
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Puakdaeng, Rayong Thailand 21140
P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2613502
Date Received : Feb 17, 2026
Date Reported : Mar 07, 2026
Report Number : 3506625-1

Page 7 of 26

Sample Number 2613502-7
Sampled Date Feb 16, 2026
Sample Description Air Quality
Location Unloading Technician
Personal Sampling Khun Krishua S.
Date Analysis Commenced Feb 18, 2026
Condition of Sample Drawn into one filter paper placed in plastic cassette and two sorbent tubes, refrigerated
Barometric Pressure 756 mmHg
Atmospheric Temperature 32.3 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Acrylic acid *	09:00 AM - 11:00 AM	ppm	-	0.10	<0.10	2	Based on OSHA, PV2005	MOL	Bangkok
Propylene glycol *	09:00 AM - 11:00 AM	ppm	-	0.10	<0.10	No Standard	NIOSH (1996), 5523	-	Bangkok
Sodium hydroxide as NaOH *	09:00 AM - 11:00 AM	mg/m3	-	0.05	<0.05	2	NIOSH (1994), 7401	MOL	Rayong

Guideline :
MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)
Sampled By : Thanathip Itiwutta

Remark :
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Approved by

Thanitak.

Thanita Kulsuriwong
Scientist (4)

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Analysis / Test Report



TESTING
No.0042

Client : BASF (Thai) Limited
111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Puakdaeng, Amphur
Puakdaeng, Rayong Thailand 21140
P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2613502
Date Received : Feb 17, 2026
Date Reported : Mar 07, 2026
Report Number : 3506625-1

Page 8 of 26

Sample Number 2613502-8
Sampled Date Feb 16, 2026
Sample Description Air Quality
Location Operator Technician
Personal Sampling Khun Nobpom C.
Date Analysis Commenced Feb 18, 2026
Condition of Sample Drawn into two sorbent tubes, refrigerated
Barometric Pressure 756 mmHg
Atmospheric Temperature 32.3 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Acrylic acid *	09:00 AM - 11:00 AM	ppm	-	0.10	<0.10	2	Based on OSHA, PV2005	MOL	Bangkok
Propylene glycol *	09:00 AM - 11:00 AM	ppm	-	0.10	<0.10	No Standard	NIOSH (1996), 5523	-	Bangkok

Guideline :
MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)
Sampled By : Thanathip Itiwutta

Remark :
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Approved by

Thanitak.

Thanita Kulsuriwong
Scientist (4)

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Analysis / Test Report



TESTING
No.0042

Client : BASF (Thai) Limited
111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Puakdaeng, Amphur
Puakdaeng, Rayong Thailand 21140
P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2613502
Date Received : Feb 17, 2026
Date Reported : Mar 07, 2026
Report Number : 3506625-1

Page 9 of 26

Sample Number 2613502-9
Sampled Date Feb 16, 2026
Sample Description Air Quality
Location PG Storage Tank area
Date Analysis Commenced Feb 18, 2026
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 756 mmHg
Atmospheric Temperature 32.3 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Propylene glycol *	09:00 AM - 11:00 AM	ppm	-	0.10	<0.10	No Standard	NIOSH (1996), 5523	-	Bangkok

Guideline :
Sampled By : Thanathip Itiwutta

Remark :
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Thanitak.

Thanita Kulsuriwong
Scientist (4)

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Analysis / Test Report



TESTING
No.0042

Client : BASF (Thai) Limited
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Puakdaeng, Rayong Thailand 21140
P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2613502
Date Received : Feb 17, 2026
Date Reported : Mar 07, 2026
Report Number : 3506625-1

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Sample Number 2613502-10
Sampled Date Feb 16, 2026
Sample Description Air Quality
Location Coating Room area
Date Analysis Commenced Feb 18, 2026
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 756 mmHg
Atmospheric Temperature 32.3 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Propylene glycol *	09:00 AM - 11:00 AM	ppm	-	0.10	<0.10	No Standard	NIOSH (1996), 5523	-	Bangkok

Guideline :
Sampled By : Thanathip Itiwutta

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P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2613502
Date Received : Feb 17, 2026
Date Reported : Mar 07, 2026
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Sample Number 2613502-11
Sampled Date Feb 16, 2026
Sample Description Air Quality
Location Initiator Room
Date Analysis Commenced Feb 18, 2026
Condition of Sample Drawn into two amber plastic bottles, refrigerated
Barometric Pressure 756 mmHg
Atmospheric Temperature 32.3 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Hydrogen Peroxide *	01:30 PM - 03:30 PM	ppm	-	0.08	<0.08	1	OSHA, V16	MOL	Bangkok
Sulfur dioxide *	01:30 PM - 03:30 PM	ppm	-	0.004	<0.004	5	NIOSH (1994), P8CAM146	MOL	Bangkok

Guideline :
MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)
Sampled By : Thanathip Itiwutta

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P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2613502
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Date Reported : Mar 07, 2026
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Sample Number 2613502-12
Sampled Date Feb 17, 2026
Sample Description Air Quality
Location RD lab
Date Analysis Commenced Feb 18, 2026
Condition of Sample Drawn into one filter paper placed in plastic cassette and one amber plastic bottle, refrigerated
Barometric Pressure 756 mmHg
Atmospheric Temperature 26.5 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Hydrogen Peroxide *	09:30 AM - 11:30 AM	ppm	-	0.08	<0.08	1	OSHA, V16	MOL	Bangkok
Sodium hydroxide as NaOH *	09:30 AM - 11:30 AM	mg/m3	-	0.05	<0.05	2	NIOSH (1994), 7401	MOL	Rayong

Guideline :
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Sampled By : Thanathip Itiwutta

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P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2613502
Date Received : Feb 17, 2026
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Sample Number 2613502-13
Sampled Date Feb 16, 2026
Sample Description Air Quality
Location Oxidizing Warehouse
Date Analysis Commenced Feb 18, 2026
Condition of Sample Drawn into one amber plastic bottle, refrigerated
Barometric Pressure 756 mmHg
Atmospheric Temperature 32.3 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Hydrogen Peroxide *	01:30 PM - 03:30 PM	ppm	-	0.08	<0.08	1	OSHA, V16	MOL	Bangkok

Guideline :
MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)
Sampled By : Thanathip Itiwutta

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P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2613502
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Sample Number 2613502-14
Sampled Date Feb 16, 2026
Sample Description Air Quality
Location NaOH unloading
Date Analysis Commenced Feb 18, 2026
Condition of Sample Drawn into one filter paper placed in plastic cassette
Barometric Pressure 756 mmHg
Atmospheric Temperature 32.3 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Sodium hydroxide as NaOH *	09:00 AM - 11:00 AM	mg/m3	-	0.05	<0.05	2	NIOSH (1994), 7401	MOL	Rayong

Guideline :
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Project Name : Monitoring
Project Location :

Lot ID: 2613502
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Sample Number 2613502-15
Sampled Date Feb 16, 2026
Sample Description Air Quality
Location Utility room
Date Analysis Commenced Feb 18, 2026
Condition of Sample Drawn into one filter paper placed in plastic cassette
Barometric Pressure 756 mmHg
Atmospheric Temperature 32.3 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Sodium hydroxide as NaOH *	09:00 AM - 11:00 AM	mg/m3	-	0.05	<0.05	2	NIOSH (1994), 7401	MOL	Rayong

Guideline :
MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)
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Project Name : Monitoring
Project Location :

Lot ID: 2613502
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Sample Number 2613502-16
Sampled Date Feb 17, 2026
Sample Description Air Quality
Location QA lab
Date Analysis Commenced Feb 18, 2026
Condition of Sample Drawn into one filter paper placed in plastic cassette
Barometric Pressure 756 mmHg
Atmospheric Temperature 26.5 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Sodium hydroxide as NaOH *	09:30 AM - 11:30 AM	mg/m3	-	0.05	<0.05	2	NIOSH (1994), 7401	MOL	Rayong

Guideline :
MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)
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Project Name : Monitoring
Project Location :

Lot ID: 2613502
Date Received : Feb 17, 2026
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Sample Number 2613502-17
Sampled Date Feb 16, 2026
Sample Description Air Quality
Location Packaging Area
Date Analysis Commenced Feb 18, 2026
Condition of Sample Drawn into two filter papers placed in each cassette
Barometric Pressure 756 mmHg
Atmospheric Temperature 32.3 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Respirable Dust	09:00 AM - 11:00 AM	mg/m3	-	0.15	<0.15	5	In-house method : STM 02-023 NIOSH Manual of Analytical Method 4th ed., NIOSH, method 0600 Issue 3, 1998 (Include sampling)	OSHA	Rayong
Total Dust	09:00 AM - 11:00 AM	mg/m3	-	0.15	0.15	15	In-house method : STM 02-022 based on NIOSH Manual of Analytical Method, 4th ed., NIOSH, method 0500 Issue 2, 1994 (Include sampling)	OSHA	Rayong

Guideline :
OSHA : Occupational Safety and Health Administration
Sampled By : Thanathip Itiwutta

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Project Name : Monitoring
Project Location :

Lot ID: 2613502
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Sample Number 2613502-18
Sampled Date Feb 16, 2026
Sample Description Air Quality
Location Roller Mill Area
Date Analysis Commenced Feb 18, 2026
Condition of Sample Drawn into two filter papers placed in each cassette
Barometric Pressure 756 mmHg
Atmospheric Temperature 32.3 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Respirable Dust	01:30 PM - 03:30 PM	mg/m3	-	0.15	<0.15	5	In-house method : STM 02-023 NIOSH Manual of Analytical Method 4th ed., NIOSH, method 0600 Issue 3, 1998 (Include sampling)	OSHA	Rayong
Total Dust	01:30 PM - 03:30 PM	mg/m3	-	0.15	<0.15	15	In-house method : STM 02-022 based on NIOSH Manual of Analytical Method, 4th ed., NIOSH, method 0500 Issue 2, 1994 (Include sampling)	OSHA	Rayong

Guideline :
OSHA : Occupational Safety and Health Administration
Sampled By : Thanathip Itiwutta

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Sample Number	2613502-19
Sampled Date	Feb 16, 2026
Sample Description	Air Quality
Location	EM Room area
Date Analysis Commenced	Feb 18, 2026
Condition of Sample	Drawn into two filter papers placed in each cassette
Barometric Pressure	756 mmHg
Atmospheric Temperature	32.3 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Respirable Dust	09:00 AM - 11:00 AM	mg/m3	-	0.15	<0.15	5	In-house method : STM 02-023 NIOSH Manual of Analytical Method 4th ed., NMAM, method 0600 Issue 3, 1998 (Include sampling)	OSHA	Rayong
Total Dust	09:00 AM - 11:00 AM	mg/m3	-	0.15	<0.15	15	In-house method : STM 02-022 based on NIOSH Manual of Analytical Method, 4th ed., NMAM, method 0500 Issue 2, 1994 (Include sampling)	OSHA	Rayong

Guideline :
OSHA : Occupational Safety and Health Administration
Sampled By : Thanathip Itiwutta

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Project Location :

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Sample Number	2613502-20
Sampled Date	Feb 16, 2026
Sample Description	Air Quality
Location	Zig Zag Area
Date Analysis Commenced	Feb 18, 2026
Condition of Sample	Drawn into two filter papers placed in each cassette
Barometric Pressure	756 mmHg
Atmospheric Temperature	32.3 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Respirable Dust	01:30 PM - 03:30 PM	mg/m3	-	0.15	<0.15	5	In-house method : STM 02-023 NIOSH Manual of Analytical Method 4th ed., NMAM, method 0600 Issue 3, 1998 (Include sampling)	OSHA	Rayong
Total Dust	01:30 PM - 03:30 PM	mg/m3	-	0.15	<0.15	15	In-house method : STM 02-022 based on NIOSH Manual of Analytical Method, 4th ed., NMAM, method 0500 Issue 2, 1994 (Include sampling)	OSHA	Rayong

Guideline :
OSHA : Occupational Safety and Health Administration
Sampled By : Thanathip Itiwutta

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Project Location :

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Sample Number	2613502-21
Sampled Date	Feb 17, 2026
Sample Description	Air Quality
Location	TS Lab
Date Analysis Commenced	Feb 18, 2026
Condition of Sample	Drawn into two filter papers placed in each cassette
Barometric Pressure	756 mmHg
Atmospheric Temperature	26.5 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Respirable Dust	09:30 AM - 11:30 AM	mg/m3	-	0.15	<0.15	5	In-house method : STM 02-023 NIOSH Manual of Analytical Method 4th ed., NMAM, method 0600 Issue 3, 1998 (Include sampling)	OSHA	Rayong
Total Dust	09:30 AM - 11:30 AM	mg/m3	-	0.15	0.30	15	In-house method : STM 02-022 based on NIOSH Manual of Analytical Method, 4th ed., NMAM, method 0500 Issue 2, 1994 (Include sampling)	OSHA	Rayong

Guideline :
OSHA : Occupational Safety and Health Administration
Sampled By : Thanathip Itiwutta

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Project Name : Monitoring
Project Location :

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Sample Number	2613502-22
Sampled Date	Feb 16, 2026
Sample Description	Air Quality
Location	Shift Leader
Personal Sampling	Khun Yosipit C.
Date Analysis Commenced	Feb 18, 2026
Condition of Sample	Drawn into one filter paper placed in plastic cassette
Barometric Pressure	756 mmHg
Atmospheric Temperature	32.3 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Respirable Dust	09:00 AM - 11:00 AM	mg/m3	-	0.15	<0.15	5	In-house method : STM 02-023 NIOSH Manual of Analytical Method 4th ed., NMAM, method 0600 Issue 3, 1998 (Include sampling)	OSHA	Rayong

Guideline :
OSHA : Occupational Safety and Health Administration
Sampled By : Thanathip Itiwutta

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Approved by

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Scientist (4)

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Analysis / Test Report



TESTING
No.0042

Client : BASF (Thai) Limited
111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Puakdaeng, Amphur
Puakdaeng, Rayong Thailand 21140
P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2613502
Date Received : Feb 17, 2026
Date Reported : Mar 07, 2026
Report Number : 3506625-1

Page 23 of 26

Sample Number 2613502-23
Sampled Date Feb 16, 2026
Sample Description Air Quality
Location Packaging Technician
Personal Sampling Khun Kiatchai C.
Date Analysis Commenced Feb 18, 2026
Condition of Sample Drawn into one filter paper placed in plastic cassette
Barometric Pressure 756 mmHg
Atmospheric Temperature 32.3 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Respirable Dust	09:00 AM - 11:00 AM	mg/m3	-	0.15	<0.15	5	In-house method : STM 02-023 NIOSH Manual of Analytical Method 4th ed., NMAM, method 0600 Issue 3, 1998 (Include sampling)	OSHA	Rayong

Guideline :
OSHA : Occupational Safety and Health Administration
Sampled By : Thanathip Itiwutta

Remark :
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Puakdaeng, Rayong Thailand 21140
P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2613502
Date Received : Feb 17, 2026
Date Reported : Mar 07, 2026
Report Number : 3506625-1

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Sample Number 2613502-24
Sampled Date Feb 16, 2026
Sample Description Air Quality
Location Operator Technician
Personal Sampling Khun Nobpom C.
Date Analysis Commenced Feb 18, 2026
Condition of Sample Drawn into one filter paper placed in plastic cassette
Barometric Pressure 756 mmHg
Atmospheric Temperature 32.3 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Respirable Dust	09:00 AM - 11:00 AM	mg/m3	-	0.15	<0.15	5	In-house method : STM 02-023 NIOSH Manual of Analytical Method 4th ed., NMAM, method 0600 Issue 3, 1998 (Include sampling)	OSHA	Rayong

Guideline :
OSHA : Occupational Safety and Health Administration
Sampled By : Thanathip Itiwutta

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Puakdaeng, Rayong Thailand 21140
P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2613502
Date Received : Feb 17, 2026
Date Reported : Mar 07, 2026
Report Number : 3506625-1

Page 25 of 26

Sample Number 2613502-25
Sampled Date Feb 16, 2026
Sample Description Air Quality
Location Mechanical Technician
Personal Sampling Khun Chatuphong P.
Date Analysis Commenced Feb 18, 2026
Condition of Sample Drawn into one filter paper placed in plastic cassette
Barometric Pressure 756 mmHg
Atmospheric Temperature 32.3 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Respirable Dust	09:00 AM - 11:00 AM	mg/m3	-	0.15	<0.15	5	In-house method : STM 02-023 NIOSH Manual of Analytical Method 4th ed., NMAM, method 0600 Issue 3, 1998 (Include sampling)	OSHA	Rayong

Guideline :
OSHA : Occupational Safety and Health Administration
Sampled By : Thanathip Itiwutta

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Puakdaeng, Rayong Thailand 21140
P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2613502
Date Received : Feb 17, 2026
Date Reported : Mar 07, 2026
Report Number : 3506625-1

Page 26 of 26

Sample Number 2613502-26
Sampled Date Feb 17, 2026
Sample Description Air Quality
Location TS Technician
Personal Sampling Khun Surassawadee K.
Date Analysis Commenced Feb 18, 2026
Condition of Sample Drawn into one filter paper placed in plastic cassette
Barometric Pressure 756 mmHg
Atmospheric Temperature 32.3 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Respirable Dust	09:30 AM - 11:30 AM	mg/m3	-	0.15	<0.15	5	In-house method : STM 02-023 NIOSH Manual of Analytical Method 4th ed., NMAM, method 0600 Issue 3, 1998 (Include sampling)	OSHA	Rayong

Guideline :
OSHA : Occupational Safety and Health Administration
Sampled By : Thanathip Itiwutta

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P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2641579
Date Received : May 22, 2026
Date Reported : Jun 05, 2026
Report Number : 3571157-1

Page 1 of 7

Sample Number	2641579-1
Sampled Date	May 14, 2026
Sample Description	Air Quality
Location	Unloading Technician
Personal Sampling	K.Krissha S.
Date Analysis Commenced	May 27, 2026
Condition of Sample	Drawn into one sorbent tube, refrigerated
Barometric Pressure	755 mmHg
Atmospheric Temperature	33.0 °C

Analyte	Sampled Date/Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Propylene glycol	10:00 AM - 12:00 PM	ppm	-	0.10	<0.10	No Standard	NIOSH (1996), 5523	-	Bangkok

Guideline :
Sampled By : Norranon Tathongkham
Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Saranya C.
Saranya Chalermthamrong
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P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2641579
Date Received : May 22, 2026
Date Reported : Jun 05, 2026
Report Number : 3571157-1

Page 2 of 7

Sample Number	2641579-2
Sampled Date	May 14, 2026
Sample Description	Air Quality
Location	Operator Technician
Personal Sampling	K.Piyanat P.
Date Analysis Commenced	May 27, 2026
Condition of Sample	Drawn into one sorbent tube, refrigerated
Barometric Pressure	755 mmHg
Atmospheric Temperature	33.0 °C

Analyte	Sampled Date/Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Propylene glycol	10:00 AM - 12:00 PM	ppm	-	0.10	<0.10	No Standard	NIOSH (1996), 5523	-	Bangkok

Guideline :
Sampled By : Norranon Tathongkham
Remark :
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Project Name : Monitoring
Project Location :

Lot ID: 2641579
Date Received : May 22, 2026
Date Reported : Jun 05, 2026
Report Number : 3571157-1

Page 3 of 7

Sample Number	2641579-3
Sampled Date	May 14, 2026
Sample Description	Air Quality
Location	PG Storage Tank area
Date Analysis Commenced	May 27, 2026
Condition of Sample	Drawn into one sorbent tube, refrigerated
Barometric Pressure	755 mmHg
Atmospheric Temperature	33.2 °C

Analyte	Sampled Date/Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Propylene glycol	01:30 PM - 03:30 PM	ppm	-	0.10	<0.10	No Standard	NIOSH (1996), 5523	-	Bangkok

Guideline :
Sampled By : Norranon Tathongkham
Remark :
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Project Name : Monitoring
Project Location :

Lot ID: 2641579
Date Received : May 22, 2026
Date Reported : Jun 05, 2026
Report Number : 3571157-1

Page 4 of 7

Sample Number	2641579-4
Sampled Date	May 14, 2026
Sample Description	Air Quality
Location	Coating Room area
Date Analysis Commenced	May 27, 2026
Condition of Sample	Drawn into one sorbent tube, refrigerated
Barometric Pressure	755 mmHg
Atmospheric Temperature	33.2 °C

Analyte	Sampled Date/Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Propylene glycol	01:30 PM - 03:30 PM	ppm	-	0.10	<0.10	No Standard	NIOSH (1996), 5523	-	Bangkok

Guideline :
Sampled By : Norranon Tathongkham
Remark :
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P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2641579
Date Received : May 22, 2026
Date Reported : Jun 05, 2026
Report Number : 3571157-1

Page 5 of 7

Sample Number 2641579-5
Sampled Date May 14, 2026
Sample Description Air Quality
Location QA lab
Date Analysis Commenced May 27, 2026
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 755 mmHg
Atmospheric Temperature 26.5 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Ethylene glycol	10:00 AM - 12:00 PM	ppm	-	0.10	<0.10	25	NIOSH (1996), 5523	ACGIH	Bangkok

Guideline :
ACGIH : The American Conference of Governmental Industrial Hygiene, The 6th edition of the Documentation of the Threshold Limit Values and Biological Exposure Indices (2025).
Sampled By : Norranon Tathongkham

Remark :
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P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2641579
Date Received : May 22, 2026
Date Reported : Jun 05, 2026
Report Number : 3571157-1

Page 6 of 7

Sample Number 2641579-6
Sampled Date May 14, 2026
Sample Description Air Quality
Location RD lab
Date Analysis Commenced May 27, 2026
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 755 mmHg
Atmospheric Temperature 26.5 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Ethylene glycol	10:00 AM - 12:00 PM	ppm	-	0.10	<0.10	25	NIOSH (1996), 5523	ACGIH	Bangkok

Guideline :
ACGIH : The American Conference of Governmental Industrial Hygiene, The 6th edition of the Documentation of the Threshold Limit Values and Biological Exposure Indices (2025).
Sampled By : Norranon Tathongkham

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P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2641579
Date Received : May 22, 2026
Date Reported : Jun 05, 2026
Report Number : 3571157-1

Page 7 of 7

Sample Number 2641579-7
Sampled Date May 14, 2026
Sample Description Air Quality
Location Utility room
Date Analysis Commenced May 27, 2026
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 755 mmHg
Atmospheric Temperature 33.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Ethylene glycol	10:00 AM - 12:00 PM	ppm	-	0.10	<0.10	25	NIOSH (1996), 5523	ACGIH	Bangkok

Guideline :
ACGIH : The American Conference of Governmental Industrial Hygiene, The 6th edition of the Documentation of the Threshold Limit Values and Biological Exposure Indices (2025).
Sampled By : Norranon Tathongkham

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P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2639242
Date Received : May 14, 2026
Date Reported : Jun 09, 2026
Report Number : 3567903-1

Page 1 of 27

Sample Number 2639242-1
Sampled Date May 14, 2026
Sample Description Air Quality
Location AA Storage Tank area
Date Analysis Commenced May 15, 2026
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 755 mmHg
Atmospheric Temperature 33.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Acrylic acid *	01:30 PM - 03:30 PM	ppm	-	0.10	<0.10	2	Based on OSHA, PV2005	MOL	Bangkok

Guideline :
MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017).
Sampled By : Norranon Tathongkham

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P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2639242
Date Received : May 14, 2026
Date Reported : Jun 09, 2026
Report Number : 3567903-1

Page 2 of 27

Sample Number 2639242-2
Sampled Date May 14, 2026
Sample Description Air Quality
Location Mix Tank Room area 1st
Date Analysis Commenced May 15, 2026
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 755 mmHg
Atmospheric Temperature 33.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Acrylic acid *	01:30 PM - 03:30 PM	ppm	-	0.10	<0.10	2	Based on OSHA, PV2005	MOL	Bangkok

Guideline :
MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)
Sampled By : Norranon Tathongkham

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P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2639242
Date Received : May 14, 2026
Date Reported : Jun 09, 2026
Report Number : 3567903-1

Page 3 of 27

Sample Number 2639242-3
Sampled Date May 14, 2026
Sample Description Air Quality
Location Mix Tank Room area 2nd
Date Analysis Commenced May 15, 2026
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 755 mmHg
Atmospheric Temperature 33.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Acrylic acid *	01:30 PM - 03:30 PM	ppm	-	0.10	0.77	2	Based on OSHA, PV2005	MOL	Bangkok

Guideline :
MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)
Sampled By : Norranon Tathongkham

Remark :
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Analysis / Test Report



TESTING
No.0042

Client : BASF (Thai) Limited
111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Puakdaeng, Amphur
Puakdaeng, Rayong Thailand 21140
P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2639242
Date Received : May 14, 2026
Date Reported : Jun 09, 2026
Report Number : 3567903-1

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Sample Number 2639242-4
Sampled Date May 14, 2026
Sample Description Air Quality
Location Stripping column 3rd floor
Date Analysis Commenced May 15, 2026
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 755 mmHg
Atmospheric Temperature 33.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Acrylic acid *	01:30 PM - 03:30 PM	ppm	-	0.10	0.19	2	Based on OSHA, PV2005	MOL	Bangkok

Guideline :
MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)
Sampled By : Norranon Tathongkham

Remark :
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P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2639242
Date Received : May 14, 2026
Date Reported : Jun 09, 2026
Report Number : 3567903-1

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Sample Number 2639242-5
Sampled Date May 14, 2026
Sample Description Air Quality
Location QA lab
Date Analysis Commenced May 15, 2026
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 755 mmHg
Atmospheric Temperature 26.5 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Acrylic acid *	10:00 AM - 12:00 PM	ppm	-	0.10	<0.10	2	Based on OSHA, PV2005	MOL	Bangkok

Guideline :
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P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2639242
Date Received : May 14, 2026
Date Reported : Jun 09, 2026
Report Number : 3567903-1

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Sample Number 2639242-6
Sampled Date May 14, 2026
Sample Description Air Quality
Location RD lab
Date Analysis Commenced May 15, 2026
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 755 mmHg
Atmospheric Temperature 26.5 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Acrylic acid *	10:00 AM - 12:00 PM	ppm	-	0.10	<0.10	2	Based on OSHA, PV2005	MOL	Bangkok

Guideline :
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Sampled By : Norranon Tathongkham

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Project Name : Monitoring
Project Location :

Lot ID: 2639242
Date Received : May 14, 2026
Date Reported : Jun 09, 2026
Report Number : 3567903-1

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Sample Number 2639242-7
Sampled Date May 14, 2026
Sample Description Air Quality
Location Unloading Technician
Personal Sampling Khun Krishna S.
Date Analysis Commenced May 15, 2026
Condition of Sample Drawn into one filter paper placed in plastic cassette and one sorbent tube, refrigerated
Barometric Pressure 755 mmHg
Atmospheric Temperature 33.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Acrylic acid *	10:00 AM - 12:00 PM	ppm	-	0.10	<0.10	2	Based on OSHA, PV2005	MOL	Bangkok
Sodium hydroxide as NaOH *	10:00 AM - 12:00 PM	mg/m3	-	0.05	0.09	2	NIOSH (1994), 7401	MOL	Rayong

Guideline :
MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)
Sampled By : Norranon Tathongkham

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P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2639242
Date Received : May 14, 2026
Date Reported : Jun 09, 2026
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Sample Number 2639242-8
Sampled Date May 14, 2026
Sample Description Air Quality
Location Operator Technician
Personal Sampling Khun Piyarat P.
Date Analysis Commenced May 15, 2026
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 755 mmHg
Atmospheric Temperature 33.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Acrylic acid *	10:00 AM - 12:00 PM	ppm	-	0.10	<0.10	2	Based on OSHA, PV2005	MOL	Bangkok

Guideline :
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Project Name : Monitoring
Project Location :

Lot ID: 2639242
Date Received : May 14, 2026
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Sample Number 2639242-11
Sampled Date May 14, 2026
Sample Description Air Quality
Location Initiator Room
Date Analysis Commenced May 15, 2026
Condition of Sample Drawn into two amber plastic bottles, refrigerated
Barometric Pressure 755 mmHg
Atmospheric Temperature 33.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Hydrogen Peroxide *	01:30 PM - 03:30 PM	ppm	-	0.08	<0.08	1	OSHA, V16	MOL	Bangkok
Sulfur dioxide *	01:30 PM - 03:30 PM	ppm	-	0.004	<0.004	5	NIOSH (1994), P8CAM146	MOL	Bangkok

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Project Name : Monitoring

Project Location :

Lot ID: 2639242

Date Received : May 14, 2026

Date Reported : Jun 09, 2026

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Sample Number 2639242-12
Sampled Date May 14, 2026
Sample Description Air Quality
Location RD lab
Date Analysis Commenced May 15, 2026
Condition of Sample Drawn into one filter paper placed in plastic cassette and one amber plastic bottle, refrigerated
Barometric Pressure 755 mmHg
Atmospheric Temperature 26.5 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Hydrogen Peroxide *	10:00 AM - 12:00 PM	ppm	-	0.08	<0.08	1	OSHA, V16	MOL	Bangkok
Sodium hydroxide as NaOH *	10:00 AM - 12:00 PM	mg/m3	-	0.05	<0.05	2	NIOSH (1994), 7401	MOL	Rayong

Guideline :
MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)
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P/O : 4995744917

Project Name : Monitoring

Project Location :

Lot ID: 2639242

Date Received : May 14, 2026

Date Reported : Jun 09, 2026

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Sample Number 2639242-13
Sampled Date May 14, 2026
Sample Description Air Quality
Location Oxidizing Warehouse
Date Analysis Commenced May 15, 2026
Condition of Sample Drawn into one amber plastic bottle, refrigerated
Barometric Pressure 755 mmHg
Atmospheric Temperature 33.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Hydrogen Peroxide *	01:30 PM - 03:30 PM	ppm	-	0.08	<0.08	1	OSHA, V16	MOL	Bangkok

Guideline :
MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)
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P/O : 4995744917

Project Name : Monitoring

Project Location :

Lot ID: 2639242

Date Received : May 14, 2026

Date Reported : Jun 09, 2026

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Sample Number 2639242-14
Sampled Date May 14, 2026
Sample Description Air Quality
Location NaOH unloading
Date Analysis Commenced May 19, 2026
Condition of Sample Drawn into one filter paper placed in plastic cassette
Barometric Pressure 755 mmHg
Atmospheric Temperature 33.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Sodium hydroxide as NaOH *	11:30 AM - 01:30 PM	mg/m3	-	0.05	0.09	2	NIOSH (1994), 7401	MOL	Rayong

Guideline :
MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)
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Project Name : Monitoring

Project Location :

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Date Received : May 14, 2026

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Sample Number 2639242-15
Sampled Date May 14, 2026
Sample Description Air Quality
Location Utility room
Date Analysis Commenced May 19, 2026
Condition of Sample Drawn into one filter paper placed in plastic cassette
Barometric Pressure 755 mmHg
Atmospheric Temperature 33.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Sodium hydroxide as NaOH *	10:00 AM - 12:00 PM	mg/m3	-	0.05	0.09	2	NIOSH (1994), 7401	MOL	Rayong

Guideline :
MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)
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Project Location :

Lot ID: 2639242
Date Received : May 14, 2026
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Sample Number 2639242-16
Sampled Date May 14, 2026
Sample Description Air Quality
Location QA lab
Date Analysis Commenced May 19, 2026
Condition of Sample Drawn into one filter paper placed in plastic cassette
Barometric Pressure 755 mmHg
Atmospheric Temperature 26.5 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Sodium hydroxide as NaOH *	10:00 AM - 12:00 PM	mg/m3	-	0.05	<0.05	2	NIOSH (1994), 7401	MOL	Rayong

Guideline :
MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)
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Date Received : May 14, 2026
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Sample Number 2639242-17
Sampled Date May 14, 2026
Sample Description Air Quality
Location Packaging Area
Date Analysis Commenced May 16, 2026
Condition of Sample Drawn into two filter papers placed in plastic cassette
Barometric Pressure 755 mmHg
Atmospheric Temperature 33.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Respirable Dust	10:00 AM - 12:00 PM	mg/m3	-	0.15	<0.15	5	In-house method : STM 02-023 NIOSH Manual of Analytical Method 4th ed., NMAM, method 0600 Issue 3, 1998 (Include sampling)	OSHA	Rayong
Total Dust	10:00 AM - 12:00 PM	mg/m3	-	0.15	<0.15	15	In-house method : STM 02-022 based on NIOSH Manual of Analytical Method, 4th ed., NMAM, method 0500 Issue 2, 1994 (Include sampling)	OSHA	Rayong

Guideline :
OSHA : Occupational Safety and Health Administration
Sampled By : Norranon Tathongkham

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P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2639242
Date Received : May 14, 2026
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Sample Number 2639242-18
Sampled Date May 14, 2026
Sample Description Air Quality
Location Roller Mill Area
Date Analysis Commenced May 16, 2026
Condition of Sample Drawn into two filter papers placed in plastic cassette
Barometric Pressure 755 mmHg
Atmospheric Temperature 33.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Respirable Dust	10:00 AM - 12:00 PM	mg/m3	-	0.15	<0.15	5	In-house method : STM 02-023 NIOSH Manual of Analytical Method 4th ed., NMAM, method 0600 Issue 3, 1998 (Include sampling)	OSHA	Rayong
Total Dust	10:00 AM - 12:00 PM	mg/m3	-	0.15	<0.15	15	In-house method : STM 02-022 based on NIOSH Manual of Analytical Method, 4th ed., NMAM, method 0500 Issue 2, 1994 (Include sampling)	OSHA	Rayong

Guideline :
OSHA : Occupational Safety and Health Administration
Sampled By : Norranon Tathongkham

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Client : BASF (Thai) Limited
111/3, 111/5 Moo 4, Eastern Seaboard Industrial Estate, Tambol Plauckdaeng, Amphur
Plauckdaeng, Rayong Thailand 21140
P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2639242
Date Received : May 14, 2026
Date Reported : Jun 09, 2026
Report Number : 3567903-1

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Sample Number 2639242-19
Sampled Date May 14, 2026
Sample Description Air Quality
Location EM Room area
Date Analysis Commenced May 16, 2026
Condition of Sample Drawn into two filter papers placed in plastic cassette
Barometric Pressure 755 mmHg
Atmospheric Temperature 33.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Respirable Dust	10:00 AM - 12:00 PM	mg/m3	-	0.15	<0.15	5	In-house method : STM 02-023 NIOSH Manual of Analytical Method 4th ed., NMAM, method 0600 Issue 3, 1998 (Include sampling)	OSHA	Rayong
Total Dust	10:00 AM - 12:00 PM	mg/m3	-	0.15	<0.15	15	In-house method : STM 02-022 based on NIOSH Manual of Analytical Method, 4th ed., NMAM, method 0500 Issue 2, 1994 (Include sampling)	OSHA	Rayong

Guideline :
OSHA : Occupational Safety and Health Administration
Sampled By : Norranon Tathongkham

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Thanita Kulsuriwong
Scientist (4)

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Analysis / Test Report



TESTING
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Puakdaeng, Rayong Thailand 21140
P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2639242
Date Received : May 14, 2026
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Sample Number	2639242-20
Sampled Date	May 14, 2026
Sample Description	Air Quality
Location	Zig Zag Area
Date Analysis Commenced	May 16, 2026
Condition of Sample	Drawn into two filter papers placed in plastic cassette
Barometric Pressure	755 mmHg
Atmospheric Temperature	33.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Respirable Dust	01:30 PM - 03:30 PM	mg/m3	-	0.15	<0.15	5	In-house method : STM 02-023 NIOSH Manual of Analytical Method 4th ed., NMAM, method 0600 Issue 3, 1998 (Include sampling)	OSHA	Rayong
Total Dust	01:30 PM - 03:30 PM	mg/m3	-	0.15	<0.15	15	In-house method : STM 02-022 based on NIOSH Manual of Analytical Method, 4th ed., NMAM, method 0500 Issue 2, 1994 (Include sampling)	OSHA	Rayong

Guideline :
OSHA : Occupational Safety and Health Administration
Sampled By : Norranon Tathongkham

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P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2639242
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Sample Number	2639242-21
Sampled Date	May 14, 2026
Sample Description	Air Quality
Location	TS Lab
Date Analysis Commenced	May 16, 2026
Condition of Sample	Drawn into two filter papers placed in plastic cassette
Barometric Pressure	755 mmHg
Atmospheric Temperature	26.5 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Respirable Dust	10:00 AM - 12:00 PM	mg/m3	-	0.15	<0.15	5	In-house method : STM 02-023 NIOSH Manual of Analytical Method 4th ed., NMAM, method 0600 Issue 3, 1998 (Include sampling)	OSHA	Rayong
Total Dust	10:00 AM - 12:00 PM	mg/m3	-	0.15	<0.15	15	In-house method : STM 02-022 based on NIOSH Manual of Analytical Method, 4th ed., NMAM, method 0500 Issue 2, 1994 (Include sampling)	OSHA	Rayong

Guideline :
OSHA : Occupational Safety and Health Administration
Sampled By : Norranon Tathongkham

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P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2639242
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Sample Number	2639242-22
Sampled Date	May 14, 2026
Sample Description	Air Quality
Location	Shift Leader
Personal Sampling	Khun Paiboon S.
Date Analysis Commenced	May 16, 2026
Condition of Sample	Drawn into one filter paper placed in plastic cassette
Barometric Pressure	755 mmHg
Atmospheric Temperature	26.5 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Respirable Dust	10:00 AM - 12:00 PM	mg/m3	-	0.15	<0.15	5	In-house method : STM 02-023 NIOSH Manual of Analytical Method 4th ed., NMAM, method 0600 Issue 3, 1998 (Include sampling)	OSHA	Rayong

Guideline :
OSHA : Occupational Safety and Health Administration
Sampled By : Norranon Tathongkham

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P/O : 4995744917
Project Name : Monitoring
Project Location :

Lot ID: 2639242
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Sample Number	2639242-23
Sampled Date	May 14, 2026
Sample Description	Air Quality
Location	Packaging Technician
Personal Sampling	Khun Jirapong J.
Date Analysis Commenced	May 16, 2026
Condition of Sample	Drawn into one filter paper placed in plastic cassette
Barometric Pressure	755 mmHg
Atmospheric Temperature	33.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Respirable Dust	10:00 AM - 12:00 PM	mg/m3	-	0.15	<0.15	5	In-house method : STM 02-023 NIOSH Manual of Analytical Method 4th ed., NMAM, method 0600 Issue 3, 1998 (Include sampling)	OSHA	Rayong

Guideline :
OSHA : Occupational Safety and Health Administration
Sampled By : Norranon Tathongkham

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Project Name : Monitoring
Project Location :

Lot ID: 2639242
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Sample Number 2639242-24
Sampled Date May 14, 2026
Sample Description Air Quality
Location Operator Technician
Personal Sampling Khun Piyanat P.
Date Analysis Commenced May 16, 2026
Condition of Sample Drawn into one filter paper placed in plastic cassette
Barometric Pressure 755 mmHg
Atmospheric Temperature 33.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Respirable Dust	10:00 AM - 12:00 PM	mg/m3	-	0.15	<0.15	5	In-house method : STM 02-023 NIOSH Manual of Analytical Method 4th ed., NMAM, method 0600 Issue 3, 1998 (Include sampling)	OSHA	Rayong

Guideline :
OSHA : Occupational Safety and Health Administration
Sampled By : Norranon Tathongkham

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Project Name : Monitoring
Project Location :

Lot ID: 2639242
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Sample Number 2639242-25
Sampled Date May 14, 2026
Sample Description Air Quality
Location Mechanical Technician
Personal Sampling Khun Aekkaluk B.
Date Analysis Commenced May 16, 2026
Condition of Sample Drawn into one filter paper placed in plastic cassette
Barometric Pressure 755 mmHg
Atmospheric Temperature 33.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Respirable Dust	10:00 AM - 12:00 PM	mg/m3	-	0.15	<0.15	5	In-house method : STM 02-023 NIOSH Manual of Analytical Method 4th ed., NMAM, method 0600 Issue 3, 1998 (Include sampling)	OSHA	Rayong

Guideline :
OSHA : Occupational Safety and Health Administration
Sampled By : Norranon Tathongkham

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Project Name : Monitoring
Project Location :

Lot ID: 2639242
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Sample Number 2639242-26
Sampled Date May 14, 2026
Sample Description Air Quality
Location TS Technician
Personal Sampling Khun Ketsarin P.
Date Analysis Commenced May 16, 2026
Condition of Sample Drawn into one filter paper placed in plastic cassette
Barometric Pressure 755 mmHg
Atmospheric Temperature 26.5 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Respirable Dust	10:00 AM - 12:00 PM	mg/m3	-	0.15	<0.15	5	In-house method : STM 02-023 NIOSH Manual of Analytical Method 4th ed., NMAM, method 0600 Issue 3, 1998 (Include sampling)	OSHA	Rayong

Guideline :
OSHA : Occupational Safety and Health Administration
Sampled By : Norranon Tathongkham

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Project Name : Monitoring
Project Location :

Lot ID: 2639242
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Sample Number 2639242-27
Sampled Date May 14, 2026
Sample Description Air Quality
Location QA lab
Date Analysis Commenced May 15, 2026
Condition of Sample Drawn into one 10-L air sampling bag and four sorbent tubes, refrigerated
Barometric Pressure 755 mmHg
Atmospheric Temperature 26.5 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Acetone *	10:00 AM - 12:00 PM	ppm	-	0.04	<0.04	1000	NIOSH (1994), 1300	MOL	Bangkok
Acetonitrile *	10:00 AM - 12:00 PM	ppm	-	0.10	<0.10	40	NIOSH (1998), 1606	MOL	Bangkok
Hydrogen *	10:00 AM - 12:00 PM	ppm	-	1	<1	No Standard	Based on ASTM , D2504-88	-	Bangkok
Hydrogen chloride *	10:00 AM - 12:00 PM	ppm	-	0.05	<0.05	5(C)	Based on OSHA, ID-174-SG	MOL	Bangkok
Methyl Chloride *	10:00 AM - 12:00 PM	ppm	-	0.10	<0.10	100	NIOSH (1994), 1003	MOL	Bangkok
Phosphoric acid *	10:00 AM - 12:00 PM	mg/m3	-	0.05	<0.05	1	Based on OSHA, ID-174-SG	MOL	Bangkok

Guideline :
MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)
Sampled By : Norranon Tathongkham

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Project Name : Monitoring
Project Location :

Lot ID: 2639242
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Sample Number 2639242-28
Sampled Date May 14, 2026
Sample Description Air Quality
Location RD lab
Date Analysis Commenced May 15, 2026
Condition of Sample Drawn into one filter paper placed in plastic cassette and one sorbent tube, refrigerated
Barometric Pressure 755 mmHg
Atmospheric Temperature 26.5 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Hydrogen chloride *	10:00 AM - 12:00 PM	ppm	-	0.05	<0.05	5(C)	Based on OSHA, ID-174-SG	MOL	Bangkok
Sulfuric acid *	10:00 AM - 12:00 PM	mg/m3	-	0.05	<0.05	1	Based on OSHA, ID-174-SG	MOL	Bangkok
Metals Testing									
Aluminium (Inhalable Dust) *	10:00 AM - 12:00 PM	mg/m3	-	0.02	<0.02	15	NIOSH (2003), 7301	MOL	Bangkok
Calcium hydroxide (Inhalable dust) *	10:00 AM - 12:00 PM	mg/m3	-	0.01	<0.01	15	NIOSH (2003), 7301	MOL	Bangkok
Sodium bicarbonate *	10:00 AM - 12:00 PM	mg/m3	-	0.20	<0.20	No Standard	NIOSH (2003), 7301	-	Bangkok
Sodium Carbonate *	10:00 AM - 12:00 PM	mg/m3	-	0.20	<0.20	No Standard	NIOSH (2003), 7301	-	Bangkok

Guideline :
MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)
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Project Name : Monitoring
Project Location :

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Sample Number 2639242-29
Sampled Date May 14, 2026
Sample Description Air Quality
Location Utility room
Date Analysis Commenced May 15, 2026
Condition of Sample Drawn into two amber plastic bottles, refrigerated
Barometric Pressure 755 mmHg
Atmospheric Temperature 33.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Chlorine as NaOCl *	10:00 AM - 12:00 PM	ppm	-	0.10	<0.10	1(C)	Based on OSHA, ID 101	MOL	Bangkok
Hydrazine *	10:00 AM - 12:00 PM	ppm	-	0.10	<0.10	1	NIOSH (1994), 3503	MOL	Bangkok

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