

ภาคผนวก ค

ผลการติดตามตรวจสอบผลกระทบสิ่งแวดล้อม

ภาคผนวก ค-1

คุณภาพอากาศจากแหล่งกำเนิด



Analysis / Test Report



TESTING
No.0042

Client : Siam Polystyrene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4514158445
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2321263
Date Received : May 13, 2023
Date Reported : May 22, 2023
Report Number: 2577468-1

Page 1 of 2

Sample Number 2321263-1
Sampled Date May 13, 2023
Sample Description Emission from Stationary Source
Location Heater A
Date Analysis Commenced May 15, 2023
Condition of Sample Extracted into three 2-L collection flasks, one filter paper placed in plastic petri dish, one plastic bottle, one 10-L air sampling bag and one amber plastic bottle, refrigerated

Stack Description									
Ambient Pressure	756	mmHg	Diameter	0.60	m	Oxygen	4.5	%	
Ambient Temperature	37.0	°C	Shape	Circle		Carbon Dioxide	9.4	%	
Type of Process	Combustion		Stack Temperature	319	°C	Gas Velocity	5.3	m/s	
Type of Fuel	Natural Gas		Moisture	5.77	%	Flow Rate (Actual O2)	2543	Nm3/hr	

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 % O ₂ at 4.5 % O ₂	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Carbon Monoxide *	10:50 AM - 11:00 AM	ppm	-	1.0	<1.0	690	-	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	10:50 AM - 11:05 AM	ppm	-	1.06	21.7	25.60	200	149	United States Environmental Protection Agency, EPA Method 7
Sulfur dioxide *	11:00 AM - 11:30 AM	ppm	-	2.0	<2.0	<2.0	60	-	United States Environmental Protection Agency, EPA Method 6
Total Suspended Particulate	10:40 AM - 11:34 AM	mg/m3	-	0.5	3.8	4.48	320	68	United States Environmental Protection Agency, EPA Method 5

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)
2). Emission Air Standard according to EIA study of PS-SPCL Plant, Approval Letter No. Tor Sor 1009.9/11032 dated Nov 6, B.E.2555.

Technical Management

Thanitak.

Thanita Kulsurivong
Scientist (4)
โทร: 09-323-9447

Approved by

D. Chongchon

Dej Changchon
Senior Manager
โทร: 09-323-9442

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Analysis / Test Report



TESTING
No.0042

Client : Siam Polystyrene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4514158445
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2321263
Date Received : May 13, 2023
Date Reported : May 22, 2023
Report Number: 2577468-1

Page 2 of 2

Sample Number 2321263-1
Sampled Date May 13, 2023
Sample Description Emission from Stationary Source
Location Heater A
Date Analysis Commenced May 15, 2023
Condition of Sample Extracted into three 2-L collection flasks, one filter paper placed in plastic petri dish, one plastic bottle, one 10-L air sampling bag and one amber plastic bottle, refrigerated

Stack Description									
Ambient Pressure	756	mmHg	Diameter	0.60	m	Oxygen	4.5	%	
Ambient Temperature	37.0	°C	Shape	Circle		Carbon Dioxide	9.4	%	
Type of Process	Combustion		Stack Temperature	319	°C	Gas Velocity	5.3	m/s	
Type of Fuel	Natural Gas		Moisture	5.77	%	Flow Rate (Actual O2)	2543	Nm3/hr	

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Carbon Monoxide *	10:50 AM - 11:00 AM	g/s	-	-	<0.001	-	-	Calculated	Rayong
Oxides of Nitrogen *	10:50 AM - 11:05 AM	g/s	-	-	0.034	-	0.37	Calculated	Rayong
Sulfur dioxide *	11:00 AM - 11:30 AM	g/s	-	-	<0.004	-	-	Calculated	Rayong
Total Suspended Particulate *	10:40 AM - 11:34 AM	g/s	-	-	0.003	-	0.09	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)
2). Emission Air Standard according to EIA study of PS-SPCL Plant, Approval Letter No. Tor Sor 1009.9/11032 dated Nov 6, B.E.2555.

Sampled By : Suddamrong Chokpitinan

Remark :

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

Technical Management

Thanitak.

Thanita Kulsurivong
Scientist (4)
โทร: 09-323-9447

Approved by

D. Chongchon

Dej Changchon
Senior Manager
โทร: 09-323-9442

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Analysis / Test Report



TESTING
No.0042

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map Ta phut, Muang, Rayong Thailand 21150

P/O : 4514158445

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2321266

Date Received : May 08, 2023

Date Reported : May 15, 2023

Report Number: 2577479-1

Page 1 of 2

Sample Number 2321266-1
Sampled Date May 08, 2023
Sample Description Emission from Stationary Source
Location Heater B
Date Analysis Commenced May 09, 2023
Condition of Sample Extracted into three 2-L collection flasks, one filter paper placed in plastic petri dish, one plastic bottle, one 10-L air sampling bag and one amber plastic bottle, refrigerated

Stack Description

Ambient Pressure	754	mmHg	Diameter	0.60	m	Oxygen	8.6	%
Ambient Temperature	37.0	°C	Shape	Circle		Carbon Dioxide	7.0	%
Type of Process	Combustion		Stack Temperature	354	°C	Gas Velocity	5.1	m/s
Type of Fuel	Natural Gas		Moisture	13.27	%	Flow Rate (Actual O2)	2112	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 % O ₂	Result at 8.6 % O ₂	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Carbon Monoxide *	11:15 AM - 11:25 AM	ppm	-	1.0	16.6	14.69	690	-	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	11:12 AM - 11:25 AM	ppm	-	1.06	30.2	26.72	200	149	United States Environmental Protection Agency, EPA Method 7	Rayong
Sulfur dioxide *	11:12 AM - 11:42 AM	ppm	-	2.0	<2.0	<2.0	60	-	United States Environmental Protection Agency, EPA Method 6	Rayong
Total Suspended Particulate	11:12 AM - 12:12 PM	mg/m3	-	0.5	11.0	9.73	320	68	United States Environmental Protection Agency, EPA Method 5	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)
- 2). Emission Air Standard according to EIA study of PS-SPCL Plant, Approval Letter No. Tor Sor 1009.9/11032 dated Nov 6, B.E.2555.

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)
โทรศัพท์ 3-323-9-9447

Approved by

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Dej Changchon
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Analysis / Test Report



TESTING
No.0042

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map Ta phut, Muang, Rayong Thailand 21150

P/O : 4514158445

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2321266

Date Received : May 08, 2023

Date Reported : May 15, 2023

Report Number: 2577479-1

Page 2 of 2

Sample Number 2321266-1
Sampled Date May 08, 2023
Sample Description Emission from Stationary Source
Location Heater B
Date Analysis Commenced May 09, 2023
Condition of Sample Extracted into three 2-L collection flasks, one filter paper placed in plastic petri dish, one plastic bottle, one 10-L air sampling bag and one amber plastic bottle, refrigerated

Stack Description

Ambient Pressure	754	mmHg	Diameter	0.60	m	Oxygen	8.6	%
Ambient Temperature	37.0	°C	Shape	Circle		Carbon Dioxide	7.0	%
Type of Process	Combustion		Stack Temperature	354	°C	Gas Velocity	5.1	m/s
Type of Fuel	Natural Gas		Moisture	13.27	%	Flow Rate (Actual O2)	2112	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Carbon Monoxide *	11:15 AM - 11:25 AM	g/s	-	-	0.010	-	-	Calculated	Rayong
Oxides of Nitrogen *	11:12 AM - 11:25 AM	g/s	-	-	0.030	-	0.37	Calculated	Rayong
Sulfur dioxide *	11:12 AM - 11:42 AM	g/s	-	-	<0.003	-	-	Calculated	Rayong
Total Suspended Particulate *	11:12 AM - 12:12 PM	g/s	-	-	0.006	-	0.09	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)
- 2). Emission Air Standard according to EIA study of PS-SPCL Plant, Approval Letter No. Tor Sor 1009.9/11032 dated Nov 6, B.E.2555.

Sampled By : Suddamrong Chokpitikan

Remark :

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)
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Approved by

D. Changchon

Dej Changchon
Senior Manager
โทรศัพท์ 3-323-9-9442

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ภาคผนวก ค-2

คุณภาพอากาศในบรรยากาศ



Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand
21150

P/O : 4503132058

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID: 2321131

Date Received : May 16, 2023

Date Reported : May 22, 2023

Report Number: 2577159-1C8

Page 1 of 1

Sample Description	Air Quality						
Location	บ้านท่าพระ (โรงงานพลาสติกอุตสาหกรรม) (GPS 47P 0735531, 1402769)						
Parameter	Nitrogen dioxide (ppm)						
Measurement Date	May 07, 2023 - May 14, 2023						
Measurement by	Nantawat Sarin						
Time	2321131-1 May 07, 2023	2321131-2 May 08, 2023	2321131-3 May 09, 2023	2321131-4 May 10, 2023	2321131-5 May 11, 2023	2321131-6 May 12, 2023	2321131-7 May 13, 2023
11:00 AM - 12:00 PM	<0.001	0.005	0.004	0.009	0.004	0.008	0.005
12:00 PM - 01:00 PM	0.006	0.003	0.003	0.009	0.003	0.005	0.004
01:00 PM - 02:00 PM	0.009	0.002	0.003	0.013	0.004	0.006	0.005
02:00 PM - 03:00 PM	0.008	0.002	0.009	0.014	0.011	0.006	0.005
03:00 PM - 04:00 PM	0.007	0.002	0.008	0.011	0.010	0.005	0.005
04:00 PM - 05:00 PM	0.007	0.003	0.006	0.013	0.008	0.004	0.005
05:00 PM - 06:00 PM	0.007	0.003	0.006	0.013	0.009	0.003	0.004
06:00 PM - 07:00 PM	0.007	0.003	0.005	0.015	0.008	0.004	0.005
07:00 PM - 08:00 PM	0.008	0.003	0.006	0.009	0.009	0.006	0.004
08:00 PM - 09:00 PM	0.009	0.003	0.008	0.011	0.012	0.005	0.005
09:00 PM - 10:00 PM	0.006	0.003	0.006	0.009	0.012	0.005	0.004
10:00 PM - 11:00 PM	0.004	0.003	0.005	0.012	0.012	0.005	0.005
11:00 PM - 12:00 AM	0.004	0.002	0.005	0.009	0.011	0.005	0.004
12:00 AM - 01:00 AM	0.003	0.002	0.004	0.007	0.008	0.005	0.004
01:00 AM - 02:00 AM	0.003	0.002	0.004	0.008	0.008	0.004	0.004
02:00 AM - 03:00 AM	0.003	0.003	0.005	0.006	0.007	0.004	0.004
03:00 AM - 04:00 AM	0.004	0.003	0.005	0.006	0.006	0.004	0.008
04:00 AM - 05:00 AM	0.004	0.004	0.006	0.006	0.005	0.004	0.005
05:00 AM - 06:00 AM	0.004	0.004	0.005	0.006	0.004	0.005	0.004
06:00 AM - 07:00 AM	0.004	0.004	0.006	0.005	0.005	0.005	0.004
07:00 AM - 08:00 AM	0.006	0.005	0.010	0.006	0.007	0.007	0.005
08:00 AM - 09:00 AM	0.006	0.006	0.012	0.006	0.008	0.008	0.005
09:00 AM - 10:00 AM	0.005	0.005	0.012	0.005	0.008	0.006	0.006
10:00 AM - 11:00 AM	0.005	0.004	0.010	0.004	0.007	0.006	0.004
Average	0.005	0.003	0.006	0.009	0.008	0.005	0.005
1hr - Maximum	0.009	0.006	0.012	0.015	0.012	0.008	0.008
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).

Reference Method : US EPA Method Part 50 App. F (Chemiluminescence)

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Approved by

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Orawan Rakhyong
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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand
21150

P/O : 4700033695

Project Name :

Project Location :

Lot ID: 2321138

Date Received : May 16, 2023

Date Reported : May 22, 2023

Report Number: 2577161-1C8

Page 1 of 1

Sample Description	Air Quality						
Location	บ้านท่าพระ (GPS 47P 0735346, 1406705)						
Parameter	Nitrogen dioxide (ppm)						
Measurement Date	May 07, 2023 - May 14, 2023						
Measurement by	Nantawat Sarin						
Time	2321138-1 May 07, 2023	2321138-2 May 08, 2023	2321138-3 May 09, 2023	2321138-4 May 10, 2023	2321138-5 May 11, 2023	2321138-6 May 12, 2023	2321138-7 May 13, 2023
12:00 PM - 01:00 PM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
01:00 PM - 02:00 PM	0.001	<0.001	0.001	<0.001	0.001	<0.001	<0.001
02:00 PM - 03:00 PM	0.002	<0.001	0.001	<0.001	0.002	<0.001	0.001
03:00 PM - 04:00 PM	0.001	0.001	<0.001	<0.001	0.002	0.001	<0.001
04:00 PM - 05:00 PM	0.001	<0.001	0.001	0.002	0.002	<0.001	<0.001
05:00 PM - 06:00 PM	0.001	<0.001	0.001	0.002	<0.001	<0.001	<0.001
06:00 PM - 07:00 PM	0.001	<0.001	0.002	0.001	0.001	<0.001	<0.001
07:00 PM - 08:00 PM	<0.001	<0.001	0.002	0.001	0.002	<0.001	<0.001
08:00 PM - 09:00 PM	<0.001	<0.001	0.001	0.001	0.002	<0.001	<0.001
09:00 PM - 10:00 PM	<0.001	<0.001	<0.001	0.001	0.001	0.001	<0.001
10:00 PM - 11:00 PM	<0.001	<0.001	<0.001	0.002	0.001	<0.001	<0.001
11:00 PM - 12:00 AM	<0.001	<0.001	<0.001	0.001	0.001	<0.001	<0.001
12:00 AM - 01:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
01:00 AM - 02:00 AM	0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
02:00 AM - 03:00 AM	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
03:00 AM - 04:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
04:00 AM - 05:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
05:00 AM - 06:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
06:00 AM - 07:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
07:00 AM - 08:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
08:00 AM - 09:00 AM	0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001
09:00 AM - 10:00 AM	0.001	<0.001	0.001	0.001	<0.001	0.001	<0.001
10:00 AM - 11:00 AM	0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001
11:00 AM - 12:00 PM	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001
Average	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1hr - Maximum	0.003	0.001	0.002	0.002	0.002	0.001	0.001
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).

Reference Method : US EPA Method Part 50 App. F (Chemiluminescence)

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Approved by

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Orawan Rakhyong
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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand
21150

P/O : 4514158445

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2321254

Date Received : May 16, 2023

Date Reported : May 22, 2023

Report Number: 2577456-1

Page 1 of 1

Sample Description Air Quality

Location โรงงานอุตสาหกรรมพลาสติก (โพลีสไตรีน) จำกัด (มหาชน) (GPS 47P 0731964, 1403752)

Parameter Nitrogen dioxide (ppm)

Measurement Date May 07, 2023 - May 14, 2023

Measurement by Nantawat Sarin

	2321254-1	2321254-2	2321254-3	2321254-4	2321254-5	2321254-6	2321254-7
Time	May 07, 2023	May 08, 2023	May 09, 2023	May 10, 2023	May 11, 2023	May 12, 2023	May 13, 2023
10:00 AM - 11:00 AM	0.002	0.006	0.014	0.021	0.013	0.027	0.006
11:00 AM - 12:00 PM	0.005	0.005	0.010	0.017	0.009	0.022	0.004
12:00 PM - 01:00 PM	0.007	0.010	0.002	0.016	0.005	0.022	0.003
01:00 PM - 02:00 PM	0.009	0.008	0.002	0.014	0.007	0.016	0.003
02:00 PM - 03:00 PM	0.009	0.008	0.003	0.019	0.007	0.015	0.003
03:00 PM - 04:00 PM	0.009	0.004	0.006	0.012	0.006	0.008	0.006
04:00 PM - 05:00 PM	0.006	0.004	0.004	0.016	0.006	0.006	0.006
05:00 PM - 06:00 PM	0.009	0.004	0.012	0.013	0.012	0.009	0.004
06:00 PM - 07:00 PM	0.008	0.006	0.014	0.014	0.015	0.008	0.007
07:00 PM - 08:00 PM	0.006	0.006	0.009	0.013	0.010	0.006	0.008
08:00 PM - 09:00 PM	0.004	0.010	0.008	0.010	0.005	0.006	0.008
09:00 PM - 10:00 PM	0.005	0.012	0.007	0.007	0.009	0.005	0.006
10:00 PM - 11:00 PM	0.011	0.010	0.008	0.015	0.005	0.011	0.009
11:00 PM - 12:00 AM	0.010	0.004	0.008	0.019	0.008	0.010	0.012
12:00 AM - 01:00 AM	0.010	0.004	0.006	0.011	0.006	0.012	0.017
01:00 AM - 02:00 AM	0.010	0.006	0.008	0.019	0.007	0.007	0.011
02:00 AM - 03:00 AM	0.008	0.005	0.006	0.015	0.005	0.004	0.003
03:00 AM - 04:00 AM	0.006	0.007	0.010	0.006	0.005	0.007	0.003
04:00 AM - 05:00 AM	0.006	0.004	0.022	0.025	0.004	0.008	0.003
05:00 AM - 06:00 AM	0.005	0.004	0.005	0.026	0.006	0.006	0.004
06:00 AM - 07:00 AM	0.004	0.010	0.011	0.031	0.008	0.005	0.004
07:00 AM - 08:00 AM	0.004	0.019	0.013	0.024	0.015	0.005	0.003
08:00 AM - 09:00 AM	0.005	0.013	0.016	0.015	0.032	0.006	0.006
09:00 AM - 10:00 AM	0.007	0.012	0.030	0.012	0.028	0.004	0.004
Average	0.007	0.008	0.010	0.016	0.010	0.010	0.006
1hr - Maximum	0.011	0.019	0.030	0.031	0.032	0.027	0.017
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).

Reference Method : US EPA Method Part 50 App. F. (Chemiluminescence)

Approved by

Orawan R.

Orawan Rakong
Scientist (3)

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778131/EMAIL

S:\Reports_Air SOxNOx.rpt (10/27AM)



Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand
21150

P/O : 4700033695

Project Name :

Project Location :



TESTING

No.0042

Lot ID: 2321141

Date Received : May 16, 2023

Date Reported : May 23, 2023

Report Number : 2577169-1C8

Page 1 of 1

Sample Description Air Quality

Location บ้านนาบะ (โรงงานอุตสาหกรรมพลาสติก) (GPS 47P 0735531, 1402769)

Date Analysis Commenced May 16, 2023

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

Sample Number	Sampled Date	Total Suspended Particulate (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
2321141-1	May 07 - May 08, 2023	0.041	755	33
2321141-2	May 08 - May 09, 2023	0.044	755	33
2321141-3	May 09 - May 10, 2023	0.025	755	33
2321141-4	May 10 - May 11, 2023	0.048	755	30
2321141-5	May 11 - May 12, 2023	0.034	755	31
2321141-6	May 12 - May 13, 2023	0.039	755	31
2321141-7	May 13 - May 14, 2023	0.027	755	32
Guideline		0.33	-	-

Reference Method

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

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

Sampled By : Nantawat Sarin

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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6006-83 / EMAIL



Analysis / Test Report



TESTING
No.0042

Client : Siam Polystyrene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand
21150
P/O : 4700033695
Project Name :
Project Location :

Lot ID: 2321142
Date Received : May 16, 2023
Date Reported : May 23, 2023
Report Number : 2577224-1C8

Page 1 of 1

Sample Description Air Quality
Location บ้านนาหวาด (GPS 47P 0735346, 1406705)
Date Analysis Commenced May 16, 2023
Condition of Sample Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag

Sample Number	Sampled Date	Total Suspended Particulate (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
2321142-1	May 07 - May 08, 2023	0.047	755	33
2321142-2	May 08 - May 09, 2023	0.041	755	33
2321142-3	May 09 - May 10, 2023	0.032	755	33
2321142-4	May 10 - May 11, 2023	0.051	755	30
2321142-5	May 11 - May 12, 2023	0.036	755	31
2321142-6	May 12 - May 13, 2023	0.036	755	31
2321142-7	May 13 - May 14, 2023	0.029	755	32
Guideline		0.33	-	-

Reference Method

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

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

Sampled By : Nantawat Sarin

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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6506-63 / ENAIL



Analysis / Test Report



TESTING
No.0042

Client : Siam Polystyrene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand
21150
P/O : 4514158445
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut PS (SPCL)

Lot ID: 2321256
Date Received : May 16, 2023
Date Reported : May 19, 2023
Report Number: 2577460-1

Page 1 of 1

Sample Description Air Quality
Location บ้านนาหวาด (GPS 47P 0731964, 1403752)
Date Analysis Commenced May 16, 2023
Condition of Sample Drawn into one glass filter paper (8x10 inch) placed in plastic bag

Sample Number	Sampled Date	Total Suspended Particulate (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
2321256-1	May 07 - May 08, 2023	0.037	755	33
2321256-2	May 08 - May 09, 2023	0.056	755	33
2321256-3	May 09 - May 10, 2023	0.042	755	33
2321256-4	May 10 - May 11, 2023	0.063	755	30
2321256-5	May 11 - May 12, 2023	0.039	755	31
2321256-6	May 12 - May 13, 2023	0.038	755	31
2321256-7	May 13 - May 14, 2023	0.032	755	32
Guideline		0.33	-	-

Reference Method

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

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

Sampled By : Nantawat Sarin

Remark :

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

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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7781-31 / ENAIL

S:\Reports_Air Ambient\7Days_1.rpt (8:58AM)



Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4503132058

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID : 2321139

Date Received : May 16, 2023

Date Reported : May 24, 2023

Report Number : 2577162-1 C8

Page 1 of 2

Sample Number : 2321139-1 to 7
Parameter : Wind Speed / Wind Direction
Location : บ้านฉางโรงสุ (โรงพยาบาลส่งเสริมสุขภาพตำบลฉางโรง) (GP5 47P 0735531, 1402769)
Sampling Date : May 07 - May 14, 2023
Sampling by : Nantawat Sarin

Time	May 07 - May 08, 2023			May 08 - May 09, 2023			May 09 - May 10, 2023			May 10 - May 11, 2023			May 11 - May 12, 2023			May 12 - May 13, 2023			May 13 - May 14, 2023		
	WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)	
11:00 AM - 12:00 PM	1.5	221.0	SW	1.0	152.0	SSE	0.2	-	-	0.0	-	-	0.7	143.0	SE	0.2	-	-	0.7	315.0	NW
12:00 PM - 01:00 PM	2.1	146.0	SE	2.0	227.0	SW	1.1	200.0	SSW	1.0	197.0	SSW	1.4	71.0	ENE	0.3	52.0	NE	1.4	180.0	S
01:00 PM - 02:00 PM	1.2	185.0	S	1.2	178.0	S	2.2	124.0	SE	1.5	233.0	SW	0.6	194.0	SSW	0.0	-	-	1.0	188.0	S
02:00 PM - 03:00 PM	2.2	223.0	SW	0.3	171.0	S	2.8	225.0	SW	1.6	267.0	W	3.0	242.0	WSW	0.3	119.0	ESE	2.0	178.0	S
03:00 PM - 04:00 PM	0.0	-	-	0.5	231.0	SW	3.0	229.0	SW	0.9	213.0	SSW	1.1	235.0	SW	0.0	-	-	0.5	168.0	SSE
04:00 PM - 05:00 PM	0.6	142.0	SE	0.0	-	-	0.0	-	-	0.0	-	-	1.0	259.0	W	0.5	128.0	SE	1.9	198.0	SSW
05:00 PM - 06:00 PM	0.0	-	-	0.0	-	-	0.7	238.0	WSW	0.0	-	-	0.5	247.0	WSW	0.0	-	-	0.6	207.0	SSW
06:00 PM - 07:00 PM	0.5	137.0	SE	0.3	142.0	SE	0.7	192.0	SSW	0.7	136.0	SE	0.9	220.0	SW	0.0	-	-	0.0	-	-
07:00 PM - 08:00 PM	0.0	-	-	0.0	-	-	1.3	180.0	S	0.7	86.0	E	0.0	-	-	1.0	121.0	ESE	0.7	131.0	SE
08:00 PM - 09:00 PM	1.0	179.0	S	0.9	151.0	SSE	0.0	-	-	0.0	-	-	0.3	131.0	SE	0.0	-	-	0.9	183.0	S
09:00 PM - 10:00 PM	0.9	175.0	S	1.6	129.0	SE	0.2	-	-	0.0	-	-	0.0	-	-	0.6	133.0	SE	1.2	207.0	SSW
10:00 PM - 11:00 PM	1.2	201.0	SSW	2.7	130.0	SE	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.8	230.0	SW
11:00 PM - 12:00 AM	0.5	157.0	SSE	0.5	194.0	SSW	1.0	161.0	SSE	0.8	62.0	ENE	1.0	191.0	S	0.5	101.0	E	0.7	188.0	S
12:00 AM - 01:00 AM	1.9	215.0	SW	1.7	78.0	ENE	0.0	-	-	0.0	-	-	0.4	217.0	SW	1.0	181.0	S	1.2	228.0	SW
01:00 AM - 02:00 AM	2.2	287.0	WNW	0.7	220.0	SW	0.4	61.0	ENE	0.0	-	-	0.0	-	-	0.0	-	-	1.0	188.0	S
02:00 AM - 03:00 AM	1.1	169.0	S	0.0	-	-	2.2	216.0	SW	0.5	90.0	E	0.0	-	-	0.6	195.0	SSW	0.4	185.0	S
03:00 AM - 04:00 AM	0.5	234.0	SW	0.8	19.0	NNE	0.0	-	-	0.0	-	-	0.3	186.0	S	1.2	223.0	SW	0.0	-	-
04:00 AM - 05:00 AM	0.2	-	-	0.0	-	-	1.2	315.0	NW	0.6	54.0	NE	0.0	-	-	0.0	-	-	0.4	225.0	SW
05:00 AM - 06:00 AM	0.0	-	-	0.4	130.0	SE	0.4	248.0	WSW	0.4	84.0	E	0.3	215.0	SW	1.7	258.0	WSW	0.0	-	-
06:00 AM - 07:00 AM	0.6	207.0	SSW	0.0	-	-	0.0	-	-	0.0	-	-	0.1	-	-	0.5	216.0	SW	0.0	-	-
07:00 AM - 08:00 AM	2.6	223.0	SW	1.1	76.0	ENE	0.0	-	-	0.0	-	-	1.6	350.0	N	1.0	225.0	SW	0.3	184.0	S
08:00 AM - 09:00 AM	0.7	239.0	WSW	0.0	-	-	0.0	-	-	0.0	-	-	0.3	321.0	NW	0.3	208.0	SSW	0.0	-	-
09:00 AM - 10:00 AM	1.4	241.0	WSW	0.7	154.0	SSE	0.0	-	-	0.3	204.0	SSW	0.0	-	-	0.8	264.0	W	0.6	232.0	SW
10:00 AM - 11:00 AM	1.3	158.0	SSE	1.4	173.0	S	0.5	399.0	N	1.5	152.0	SSE	0.0	-	-	1.6	192.0	SSW	0.8	220.0	SW

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4503132058

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID : 2321139

Date Received : May 16, 2023

Date Reported : May 24, 2023

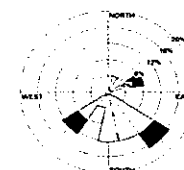
Report Number : 2577162-1 C8

Page 2 of 2

Wind Rose



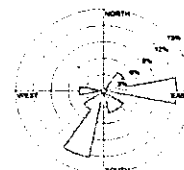
Date : May 07-08, 2023



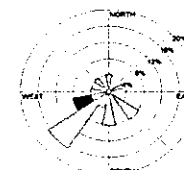
Date : May 08-09, 2023



Date : May 09-10, 2023



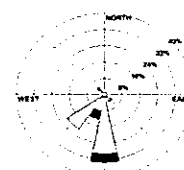
Date : May 10-11, 2023



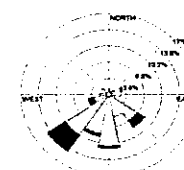
Date : May 11-12, 2023



Date : May 12-13, 2023



Date : May 13-14, 2023



Date : May 07-14, 2023

WS(m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	0.00
1.7-3.3	9.52
0.3-1.7	55.96
Calms	34.52

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Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4503132058

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID : 2321140

Date Received : May 16, 2023

Date Reported : May 24, 2023

Report Number : 2577163-1 C8

Page 1 of 2

Sample Number

2321140-1 to 7

Parameter

Wind Speed / Wind Direction

Location

โรงงานพลาสติก (GPS 47P 0735346, 1406705)

Sampling Date

May 07 - May 14, 2023

Sampling by

Nantawat Sarin

Time	May 07 - May 08, 2023			May 08 - May 09, 2023			May 09 - May 10, 2023			May 10 - May 11, 2023			May 11 - May 12, 2023			May 12 - May 13, 2023			May 13 - May 14, 2023		
	WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)	
12:00 PM - 01:00 PM	0.8	359.0	N	1.4	299.0	WNW	0.9	313.0	NW	0.5	315.0	NW	1.1	330.0	NNW	0.6	56.0	ENE	1.3	349.0	N
01:00 PM - 02:00 PM	0.8	110.0	ESE	0.3	67.0	ENE	1.0	99.0	E	0.0	-	-	2.5	143.0	SE	1.2	118.0	ESE	0.9	7.0	N
02:00 PM - 03:00 PM	0.5	250.0	WSW	0.6	159.0	SSE	0.4	289.0	WNW	0.4	90.0	E	0.5	10.0	N	2.0	156.0	SSE	1.4	33.0	NNE
03:00 PM - 04:00 PM	1.1	313.0	NW	1.2	282.0	WNW	0.6	315.0	NW	0.7	51.0	NE	1.4	88.0	E	1.3	193.0	SSW	0.5	196.0	SSW
04:00 PM - 05:00 PM	0.0	-	-	0.6	176.0	S	0.9	316.0	NW	1.6	135.0	SE	0.7	318.0	NW	0.2	-	-	1.1	359.0	N
05:00 PM - 06:00 PM	0.4	130.0	SE	1.2	274.0	W	0.5	188.0	S	0.0	-	-	0.2	-	-	0.0	-	-	0.5	350.0	N
06:00 PM - 07:00 PM	0.9	230.0	SW	0.5	164.0	SSE	1.0	273.0	W	0.5	92.0	E	0.5	210.0	SSW	1.2	98.0	E	0.8	190.0	S
07:00 PM - 08:00 PM	0.0	-	-	0.3	55.0	NE	0.2	-	-	0.0	-	-	1.1	164.0	SSE	0.8	93.0	E	0.4	341.0	NNW
08:00 PM - 09:00 PM	0.0	-	-	1.5	121.0	ESE	1.1	260.0	W	0.7	63.0	ENE	0.0	-	-	0.8	62.0	ENE	0.0	-	-
09:00 PM - 10:00 PM	1.0	147.0	SSE	0.0	-	-	0.2	-	-	0.0	-	-	0.3	105.0	ESE	0.0	-	-	0.6	113.0	ESE
10:00 PM - 11:00 PM	0.0	-	-	4.2	107.0	ESE	0.1	-	-	0.0	-	-	0.3	63.0	ENE	0.0	-	-	0.0	-	-
11:00 PM - 12:00 AM	0.3	172.0	S	2.1	132.0	SE	0.9	135.0	SE	0.0	-	-	0.1	-	-	0.5	93.0	E	0.0	-	-
12:00 AM - 01:00 AM	0.0	-	-	2.5	85.0	E	0.0	-	-	0.3	75.0	ENE	0.0	-	-	0.0	-	-	0.6	327.0	NNW
01:00 AM - 02:00 AM	1.4	188.0	S	0.0	-	-	1.3	324.0	NW	0.5	68.0	ENE	0.6	151.0	SSE	0.7	122.0	ESE	0.6	135.0	SE
02:00 AM - 03:00 AM	0.3	346.0	NNW	0.0	-	-	1.1	359.0	N	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
03:00 AM - 04:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.3	48.0	NE
04:00 AM - 05:00 AM	0.9	341.0	NNW	0.4	73.0	ENE	0.2	-	-	0.5	111.0	ESE	0.3	58.0	ENE	0.8	0.0	N	1.4	122.0	ESE
05:00 AM - 06:00 AM	0.3	151.0	SSE	0.0	-	-	0.3	151.0	SSE	0.0	-	-	0.0	-	-	0.3	130.0	NNW	0.4	108.0	ESE
06:00 AM - 07:00 AM	0.6	216.0	SW	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
07:00 AM - 08:00 AM	0.2	-	-	1.4	66.0	ENE	0.0	-	-	0.0	-	-	1.3	329.0	NNW	0.4	21.0	NNE	0.0	-	-
08:00 AM - 09:00 AM	0.4	214.0	SW	0.4	108.0	ESE	0.0	-	-	1.0	61.0	ENE	0.0	-	-	0.7	155.0	SSE	0.0	-	-
09:00 AM - 10:00 AM	1.1	249.0	WSW	0.7	235.0	SW	1.2	311.0	NW	2.5	133.0	SE	0.3	69.0	ENE	0.5	50.0	NE	0.7	353.0	N
10:00 AM - 11:00 AM	0.8	333.0	NNW	0.5	42.0	NE	1.2	308.0	NW	0.7	297.0	WNW	0.0	-	-	1.6	81.0	E	0.9	10.0	N
11:00 AM - 12:00 PM	0.0	-	-	1.3	152.0	SSE	0.3	272.0	W	0.4	355.0	N	0.0	-	-	1.9	342.0	NNW	0.4	50.0	NF

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4503132058

Project Name : Environmental Quality Monitoring

Project Location :

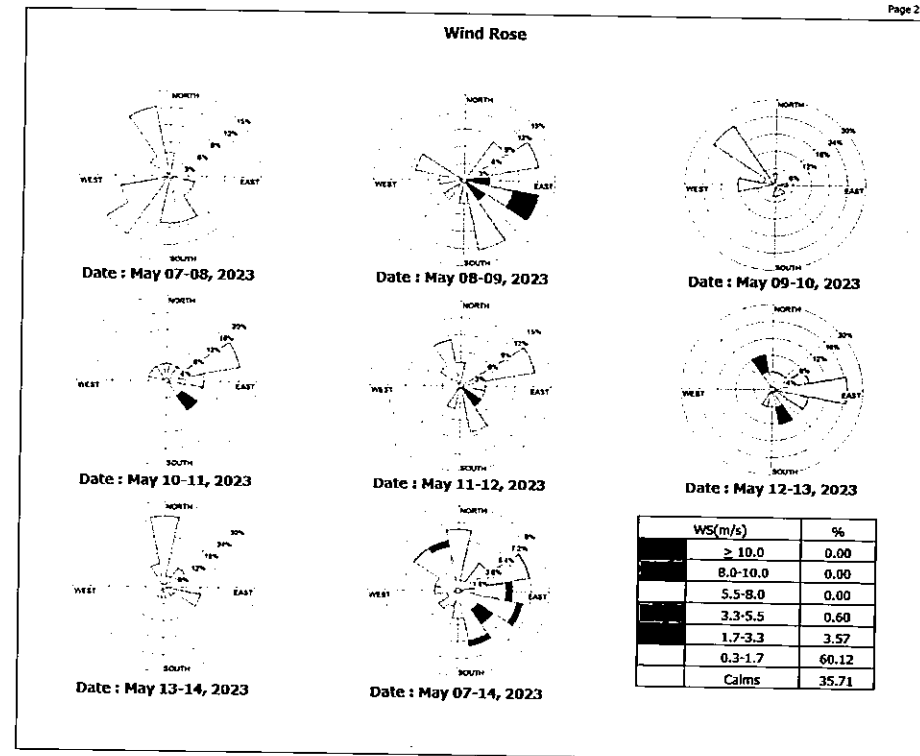
Lot ID : 2321140

Date Received : May 16, 2023

Date Reported : May 24, 2023

Report Number : 2577163-1 C8

Page 2 of 2



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Assistant General Manager

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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4514158445
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PS (SPCL)

Lot ID : 2321255
Date Received : May 16, 2023
Date Reported : May 24, 2023
Report Number : 2577458-1

Page 1 of 2

Sample Number : 2321255-1 to 7
Parameter : Wind Speed / Wind Direction
Location : บริเวณทิศตะวันตกของบ่อกักเก็บน้ำเสีย (บ่อกักเก็บน้ำเสีย) (GPS 47P 0731964, 1403752)
Sampling Date : May 07 - May 14, 2023
Sampling by : Nantawat Sarin

Sampling by															Nathawala Son														
Time	May 07 - May 08, 2023			May 08 - May 09, 2023			May 09 - May 10, 2023			May 10 - May 11, 2023			May 11 - May 12, 2023			May 12 - May 13, 2023			May 13 - May 14, 2023										
	WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)									
10:00 AM - 11:00 AM	1.5	183.0	S	2.3	173.0	S	2.6	106.0	ESE	1.7	320.0	NW	4.6	119.0	ESE	1.8	80.0	E	4.3	128.0	SE								
11:00 AM - 12:00 PM	2.9	171.0	S	3.4	178.0	S	4.6	130.0	SE	1.2	324.0	NW	2.7	118.0	ESE	2.3	93.0	E	3.6	200.0	SSW								
12:00 PM - 01:00 PM	3.3	156.0	SSE	2.8	206.0	SSW	4.4	137.0	SE	1.3	316.0	NW	2.6	135.0	SE	0.0	-	-	3.4	223.0	SW								
01:00 PM - 02:00 PM	3.8	178.0	S	3.2	192.0	SSW	3.2	91.0	E	2.0	131.0	SE	1.1	222.0	SW	1.2	126.0	SE	2.9	175.0	S								
02:00 PM - 03:00 PM	1.0	195.0	SSW	3.5	113.0	ESE	3.8	138.0	SE	0.8	344.0	NNW	3.5	188.0	S	3.7	124.0	SE	1.9	175.0	S								
03:00 PM - 04:00 PM	3.8	160.0	SSE	2.8	133.0	SE	1.0	225.0	SW	1.1	186.0	S	2.9	135.0	SE	3.3	96.0	E	2.5	123.0	ESE								
04:00 PM - 05:00 PM	0.0	-	-	2.3	112.0	ESE	3.3	152.0	SSE	1.1	141.0	SE	1.4	152.0	SSE	3.4	97.0	E	3.0	117.0	ESE								
05:00 PM - 06:00 PM	3.1	126.0	SE	1.6	163.0	SSE	3.1	200.0	SSW	2.1	111.0	ESE	2.0	174.0	S	1.6	131.0	SE	1.5	158.0	SSE								
06:00 PM - 07:00 PM	1.7	121.0	ESE	0.9	90.0	E	1.3	137.0	SE	1.5	116.0	ESE	1.1	133.0	SE	2.7	122.0	ESE	2.4	127.0	SE								
07:00 PM - 08:00 PM	3.2	136.0	SE	1.0	80.0	E	1.4	139.0	SE	2.1	136.0	SE	2.8	113.0	ESE	1.6	104.0	ESE	4.1	106.0	ESE								
08:00 PM - 09:00 PM	1.7	151.0	SSE	2.5	105.0	ESE	3.3	121.0	ESE	1.0	132.0	SE	0.9	119.0	ESE	1.0	110.0	ESE	5.2	105.0	ESE								
09:00 PM - 10:00 PM	2.8	116.0	ESE	6.1	110.0	ESE	0.8	127.0	SE	0.6	130.0	SE	1.2	114.0	ESE	1.4	111.0	ESE	4.4	145.0	SE								
10:00 PM - 11:00 PM	1.3	130.0	SE	2.2	138.0	SE	0.9	146.0	SE	0.0	-	-	1.3	168.0	SSE	1.1	109.0	ESE	4.0	124.0	SE								
11:00 PM - 12:00 AM	2.5	137.0	SE	3.8	136.0	SE	2.2	113.0	ESE	0.0	-	-	3.7	172.0	S	1.7	128.0	SE	4.8	141.0	SE								
12:00 AM - 01:00 AM	1.6	171.0	S	4.6	98.0	E	0.3	168.0	SSE	0.0	-	-	1.7	158.0	SSE	1.8	172.0	S	1.1	137.0	SE								
01:00 AM - 02:00 AM	1.6	161.0	SSE	1.6	85.0	E	2.2	149.0	SSE	0.0	-	-	2.3	180.0	S	0.9	104.0	ESE	0.3	213.0	SSW								
02:00 AM - 03:00 AM	2.2	147.0	SSE	0.5	13.0	NNE	1.2	127.0	SE	0.2	-	-	1.5	160.0	SSE	3.1	198.0	SSW	2.7	156.0	SSE								
03:00 AM - 04:00 AM	2.6	201.0	SSW	1.7	101.0	E	1.4	43.0	NE	0.6	55.0	NE	2.4	185.0	S	2.4	195.0	SSW	1.6	119.0	ESE								
04:00 AM - 05:00 AM	2.1	194.0	SSW	2.0	85.0	E	1.7	133.0	SE	0.0	-	-	1.4	198.0	SSW	1.7	169.0	S	0.6	170.0	S								
05:00 AM - 06:00 AM	0.9	203.0	SSW	2.2	119.0	ESE	1.7	134.0	SE	0.0	-	-	1.9	92.0	E	1.6	163.0	SSE	0.4	152.0	SSE								
06:00 AM - 07:00 AM	1.9	152.0	SSE	1.7	96.0	E	1.0	140.0	SE	0.0	-	-	2.1	196.0	SSW	1.3	161.0	SSE	3.8	201.0	SSW								
07:00 AM - 08:00 AM	1.9	107.0	ESE	0.9	41.0	NE	0.2	-	-	0.7	71.0	ENE	1.9	0.0	N	1.2	185.0	S	1.0	159.0	SSE								
08:00 AM - 09:00 AM	1.8	126.0	SE	2.0	111.0	ESE	1.2	288.0	WNW	2.0	130.0	SE	0.9	331.0	NNW	1.6	162.0	SSE	0.8	167.0	SSE								
09:00 AM - 10:00 AM	2.6	176.0	S	2.8	131.0	SE	1.6	336.0	NNW	3.3	95.0	E	1.9	14.0	NNE	3.0	190.0	S	1.2	189.0	S								

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuht Jitranont
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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4514158445
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PS (SPCL)

Lot ID : 2321255
Date Received : May 16, 2023
Date Reported : May 24, 2023
Report Number : 2577458-1

Page 2 of 2

Wind Rose



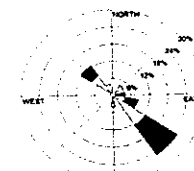
Date : May 07-08, 2023



Date : May 08-09, 2023



Date : May 09-10, 2023



Date : May 10-11, 2023



Date : May 11-12, 2023



Date : May 12-13, 2023



Date : May 13-14, 2023



Date : May 14-15, 2023

WS(m/s)	%
> 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.80
3.3-5.5	16.66
1.7-3.3	39.28
0.3-1.7	36.91
Calms	6.55

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Sarayuht Jitranont
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ภาคผนวก ค-3

ระดับเสียงโดยทั่วไป



Analysis / Test Report



TESTING
No.0042

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514158445

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2321262

Date Received : Jun 06, 2023

Date Reported : Jun 08, 2023

Report Number: 2676579-1

Page 1 of 1

Sample Number 2321262-1
Parameter Noise (Leq 24 hrs.)
Location ฐานวัดโหนด (GPS 47P 0735038, 1405843)
Measurement Date May 25 - May 26, 2023
Measurement by Nantawat Sarin
Sound Level meter Serial No. 623393

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	51.2	83.6	47.7
11:00 AM - 12:00 PM	51.3	69.6	48.2
12:00 PM - 01:00 PM	51.6	73.8	48.2
01:00 PM - 02:00 PM	51.6	72.9	47.6
02:00 PM - 03:00 PM	50.3	71.9	47.5
03:00 PM - 04:00 PM	52.9	69.5	47.1
04:00 PM - 05:00 PM	52.9	72.7	49.7
05:00 PM - 06:00 PM	50.6	66.1	47.9
06:00 PM - 07:00 PM	54.4	73.9	51.8
07:00 PM - 08:00 PM	53.1	80.2	47.8
08:00 PM - 09:00 PM	48.5	64.9	46.2
09:00 PM - 10:00 PM	48.1	67.9	45.8
10:00 PM - 11:00 PM	48.8	75.8	45.5
11:00 PM - 12:00 AM	47.4	64.1	45.7
12:00 AM - 01:00 AM	46.0	63.5	44.2
01:00 AM - 02:00 AM	45.7	65.8	44.4
02:00 AM - 03:00 AM	53.5	68.3	46.7
03:00 AM - 04:00 AM	49.5	69.0	44.9
04:00 AM - 05:00 AM	47.1	59.0	45.6
05:00 AM - 06:00 AM	53.9	64.4	51.7
06:00 AM - 07:00 AM	53.2	77.8	49.7
07:00 AM - 08:00 AM	52.1	66.9	49.1
08:00 AM - 09:00 AM	51.4	77.5	48.1
09:00 AM - 10:00 AM	51.5	73.4	47.1

Leq Average 24 hrs. (dB(A)) 51.3

Lmax (dB(A)) 83.6

L90 (dB(A)) 47.5

Ldn (dB(A)) 57.2

Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศกระทรวงมหาดไทย เรื่อง ค่ามาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง ค่ามาตรฐานระดับเสียงการรบกวน และระดับเสียงที่เฝ้าระวังการประกอบกิจการโรงงาน พ.ศ. 2548

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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7781-31/ EMAIL

S:\Reports_Air Noise.rpt (4:33PM)



Analysis / Test Report



TESTING
No.0042

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514158445

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2321262

Date Received : Jun 06, 2023

Date Reported : Jun 08, 2023

Report Number: 2676580-1

Page 1 of 1

Sample Number 2321262-2
Parameter Noise (Leq 24 hrs.)
Location ฐานวัดโหนด (GPS 47P 0735038, 1405843)
Measurement Date May 26 - May 27, 2023
Measurement by Nantawat Sarin
Sound Level meter Serial No. 623393

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	53.5	80.0	49.5
11:00 AM - 12:00 PM	53.7	80.6	49.7
12:00 PM - 01:00 PM	54.4	78.1	48.3
01:00 PM - 02:00 PM	52.3	72.2	47.1
02:00 PM - 03:00 PM	50.2	73.0	46.7
03:00 PM - 04:00 PM	52.0	83.1	47.5
04:00 PM - 05:00 PM	52.8	70.4	48.5
05:00 PM - 06:00 PM	51.0	72.4	47.8
06:00 PM - 07:00 PM	55.1	69.4	51.7
07:00 PM - 08:00 PM	51.1	72.4	47.9
08:00 PM - 09:00 PM	48.8	64.8	46.5
09:00 PM - 10:00 PM	49.3	65.6	46.5
10:00 PM - 11:00 PM	55.4	76.2	48.7
11:00 PM - 12:00 AM	50.9	77.8	46.9
12:00 AM - 01:00 AM	50.6	67.8	47.6
01:00 AM - 02:00 AM	49.5	61.9	46.8
02:00 AM - 03:00 AM	48.2	75.6	45.5
03:00 AM - 04:00 AM	49.6	77.5	45.5
04:00 AM - 05:00 AM	46.7	62.3	45.3
05:00 AM - 06:00 AM	53.9	69.1	49.9
06:00 AM - 07:00 AM	51.5	64.8	49.1
07:00 AM - 08:00 AM	52.0	67.3	49.0
08:00 AM - 09:00 AM	54.3	69.9	48.6
09:00 AM - 10:00 AM	50.8	66.7	48.1

Leq Average 24 hrs. (dB(A)) 52.1

Lmax (dB(A)) 83.1

L90 (dB(A)) 47.8

Ldn (dB(A)) 58.1

Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศกระทรวงมหาดไทย เรื่อง ค่ามาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง ค่ามาตรฐานระดับเสียงการรบกวน และระดับเสียงที่เฝ้าระวังการประกอบกิจการโรงงาน พ.ศ. 2548

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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7781-31/ EMAIL

S:\Reports_Air Noise.rpt (4:33PM)



Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514158445

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)



TESTING
No.0042

Lot ID: 2321262

Date Received : Jun 06, 2023

Date Reported : Jun 08, 2023

Report Number: 2676581-1

Page 1 of 1

Sample Number 2321262-3
Parameter Noise (Leq 24 hrs.)
Location ชุมชนวัดโกลน (GPS 47P 0735038, 1405843)
Measurement Date May 27 - May 28, 2023
Measurement by Nantawat Sarin
Sound Level meter Serial No. 623393

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	54.0	81.7	49.2
11:00 AM - 12:00 PM	50.8	70.7	47.8
12:00 PM - 01:00 PM	50.7	68.6	47.7
01:00 PM - 02:00 PM	56.3	75.5	50.8
02:00 PM - 03:00 PM	57.3	78.9	50.3
03:00 PM - 04:00 PM	55.7	75.5	49.3
04:00 PM - 05:00 PM	51.8	72.6	48.1
05:00 PM - 06:00 PM	50.4	69.3	47.4
06:00 PM - 07:00 PM	54.8	73.4	51.2
07:00 PM - 08:00 PM	49.8	70.8	47.1
08:00 PM - 09:00 PM	51.7	71.4	46.8
09:00 PM - 10:00 PM	50.6	78.4	45.3
10:00 PM - 11:00 PM	52.7	79.7	45.7
11:00 PM - 12:00 AM	46.9	57.8	45.0
12:00 AM - 01:00 AM	47.8	65.8	45.1
01:00 AM - 02:00 AM	45.6	61.9	44.2
02:00 AM - 03:00 AM	44.8	57.3	43.0
03:00 AM - 04:00 AM	44.7	73.2	42.4
04:00 AM - 05:00 AM	53.6	88.2	43.6
05:00 AM - 06:00 AM	51.7	72.4	48.8
06:00 AM - 07:00 AM	50.7	68.0	47.1
07:00 AM - 08:00 AM	51.4	80.4	47.3
08:00 AM - 09:00 AM	54.6	78.2	48.9
09:00 AM - 10:00 AM	54.8	71.9	49.6

Leq Average 24 hrs. (dB(A))

52.6

Lmax (dB(A))

88.2

L90 (dB(A))

47.3

Ldn (dB(A))

57.1

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanitak.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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S:\Reports\Air Noise.rpt (4:33PM)



Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514158445

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)



TESTING
No.0042

Lot ID: 2321262

Date Received : Jun 06, 2023

Date Reported : Jun 08, 2023

Report Number: 2676582-1

Page 1 of 1

Sample Number 2321262-4
Parameter Noise (Leq 24 hrs.)
Location ชุมชนวัดโกลน (GPS 47P 0735038, 1405843)
Measurement Date May 28 - May 29, 2023
Measurement by Nantawat Sarin
Sound Level meter Serial No. 623393

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	52.6	71.7	47.5
11:00 AM - 12:00 PM	50.7	66.3	47.2
12:00 PM - 01:00 PM	51.7	71.5	48.7
01:00 PM - 02:00 PM	53.3	79.9	47.7
02:00 PM - 03:00 PM	52.7	76.0	47.6
03:00 PM - 04:00 PM	51.3	73.8	46.3
04:00 PM - 05:00 PM	51.6	73.0	47.5
05:00 PM - 06:00 PM	50.7	68.4	47.9
06:00 PM - 07:00 PM	55.5	79.6	51.8
07:00 PM - 08:00 PM	54.7	89.2	46.2
08:00 PM - 09:00 PM	49.8	71.5	46.5
09:00 PM - 10:00 PM	52.5	77.7	45.8
10:00 PM - 11:00 PM	47.2	60.8	45.1
11:00 PM - 12:00 AM	51.7	77.6	46.8
12:00 AM - 01:00 AM	53.7	81.0	47.4
01:00 AM - 02:00 AM	57.7	74.9	55.9
02:00 AM - 03:00 AM	64.3	70.9	63.7
03:00 AM - 04:00 AM	65.8	69.7	65.3
04:00 AM - 05:00 AM	59.1	66.4	57.9
05:00 AM - 06:00 AM	57.2	69.0	56.0
06:00 AM - 07:00 AM	60.4	79.3	55.8
07:00 AM - 08:00 AM	59.8	75.4	56.4
08:00 AM - 09:00 AM	56.2	77.9	48.6
09:00 AM - 10:00 AM	56.3	77.9	49.6

Leq Average 24 hrs. (dB(A))

57.6

Lmax (dB(A))

89.2

L90 (dB(A))

47.7

Ldn (dB(A))

66.3

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanitak.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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S:\Reports\Air Noise.rpt (4:34PM)



Analysis / Test Report



TESTING
No.0042

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514158445

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2321262

Date Received : Jun 06, 2023

Date Reported : Jun 08, 2023

Report Number: 2676583-1

Page 1 of 1

Sample Number 2321262-5
Parameter Noise (Leq 24 hrs.)
Location ชุมชนวัดโกลน (GPS 47P 0735038, 1405843)
Measurement Date May 29 - May 30, 2023
Measurement by Nantawat Sarin
Sound Level meter Serial No. 623393

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	52.1	73.2	47.8
11:00 AM - 12:00 PM	51.3	64.3	48.7
12:00 PM - 01:00 PM	54.8	78.5	49.2
01:00 PM - 02:00 PM	53.5	79.2	49.3
02:00 PM - 03:00 PM	53.4	74.9	49.3
03:00 PM - 04:00 PM	55.7	81.3	49.3
04:00 PM - 05:00 PM	53.2	67.8	50.8
05:00 PM - 06:00 PM	52.6	77.9	48.3
06:00 PM - 07:00 PM	55.0	65.2	52.2
07:00 PM - 08:00 PM	57.2	73.7	53.3
08:00 PM - 09:00 PM	50.7	78.4	47.5
09:00 PM - 10:00 PM	49.9	68.6	46.3
10:00 PM - 11:00 PM	47.7	64.5	45.4
11:00 PM - 12:00 AM	71.7	81.4	69.8
12:00 AM - 01:00 AM	71.8	85.8	69.9
01:00 AM - 02:00 AM	79.4	113.1	73.3
02:00 AM - 03:00 AM	64.8	77.8	61.6
03:00 AM - 04:00 AM	53.7	59.9	52.6
04:00 AM - 05:00 AM	50.4	59.9	49.6
05:00 AM - 06:00 AM	54.5	70.6	49.9
06:00 AM - 07:00 AM	53.7	73.5	50.1
07:00 AM - 08:00 AM	52.8	71.3	49.6
08:00 AM - 09:00 AM	54.0	79.1	48.9
09:00 AM - 10:00 AM	58.7	84.9	48.8

Leq Average 24 hrs. (dB(A)) 67.2
Lmax (dB(A)) 113.1
L90 (dB(A)) 49.3
Ldn (dB(A)) 77.0
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanitak.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S

Supot Salamteah
Section Head

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S:\Reports\Air Noise.rpt (4:34PM)



Analysis / Test Report



TESTING
No.0042

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514158445

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2321262

Date Received : Jun 06, 2023

Date Reported : Jun 08, 2023

Report Number: 2676584-1

Page 1 of 1

Sample Number 2321262-6
Parameter Noise (Leq 24 hrs.)
Location ชุมชนวัดโกลน (GPS 47P 0735038, 1405843)
Measurement Date May 30 - May 31, 2023
Measurement by Nantawat Sarin
Sound Level meter Serial No. 623393

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	55.5	79.1	47.9
11:00 AM - 12:00 PM	52.5	65.2	48.7
12:00 PM - 01:00 PM	55.0	81.9	48.3
01:00 PM - 02:00 PM	51.5	70.1	47.7
02:00 PM - 03:00 PM	56.1	80.6	47.0
03:00 PM - 04:00 PM	52.5	74.1	47.7
04:00 PM - 05:00 PM	57.9	81.8	46.8
05:00 PM - 06:00 PM	50.5	75.6	45.5
06:00 PM - 07:00 PM	50.8	83.4	44.1
07:00 PM - 08:00 PM	52.8	80.0	43.8
08:00 PM - 09:00 PM	48.6	71.5	44.4
09:00 PM - 10:00 PM	56.8	88.0	45.5
10:00 PM - 11:00 PM	51.3	86.2	45.0
11:00 PM - 12:00 AM	49.9	66.9	46.6
12:00 AM - 01:00 AM	47.6	65.9	44.8
01:00 AM - 02:00 AM	46.7	75.3	45.0
02:00 AM - 03:00 AM	48.4	78.0	44.4
03:00 AM - 04:00 AM	47.2	62.6	43.5
04:00 AM - 05:00 AM	45.2	60.8	42.2
05:00 AM - 06:00 AM	45.9	66.2	40.5
06:00 AM - 07:00 AM	49.1	75.3	42.5
07:00 AM - 08:00 AM	58.0	87.1	45.6
08:00 AM - 09:00 AM	61.4	91.3	48.5
09:00 AM - 10:00 AM	61.5	90.4	49.9

Leq Average 24 hrs. (dB(A)) 54.8
Lmax (dB(A)) 91.3
L90 (dB(A)) 45.5
Ldn (dB(A)) 57.2
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanitak.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S

Supot Salamteah
Section Head

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Analysis / Test Report



TESTING
No.0042

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514158445

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2321262

Date Received : Jun 06, 2023

Date Reported : Jun 08, 2023

Report Number: 2676585-1

Page 1 of 1

Sample Number 2321262-7
Parameter Noise (Leq 24 hrs.)
Location ชุมชนวัดโคก (GPS 47P 0735038, 1405843)
Measurement Date May 31 - Jun 01, 2023
Measurement by Nantawat Sarin
Sound Level meter Serial No. 623393

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	60.4	83.9	49.7
11:00 AM - 12:00 PM	54.3	75.7	48.4
12:00 PM - 01:00 PM	55.1	86.0	48.9
01:00 PM - 02:00 PM	54.5	78.8	48.1
02:00 PM - 03:00 PM	56.7	84.5	46.5
03:00 PM - 04:00 PM	56.1	80.0	46.4
04:00 PM - 05:00 PM	59.4	87.2	46.8
05:00 PM - 06:00 PM	53.9	81.2	45.6
06:00 PM - 07:00 PM	59.0	91.3	45.6
07:00 PM - 08:00 PM	48.0	70.2	43.9
08:00 PM - 09:00 PM	46.9	65.6	44.0
09:00 PM - 10:00 PM	47.4	71.6	44.5
10:00 PM - 11:00 PM	46.6	65.1	43.9
11:00 PM - 12:00 AM	57.6	85.1	42.4
12:00 AM - 01:00 AM	61.3	93.0	42.5
01:00 AM - 02:00 AM	44.1	62.1	42.1
02:00 AM - 03:00 AM	41.6	71.7	39.2
03:00 AM - 04:00 AM	42.6	64.9	39.6
04:00 AM - 05:00 AM	44.1	64.8	40.9
05:00 AM - 06:00 AM	46.2	75.7	40.7
06:00 AM - 07:00 AM	47.7	66.6	42.2
07:00 AM - 08:00 AM	50.6	75.0	45.0
08:00 AM - 09:00 AM	52.8	78.9	46.8
09:00 AM - 10:00 AM	58.8	83.9	47.4

Leq Average 24 hrs. (dB(A)) 55.3
Lmax (dB(A)) 93.0
L90 (dB(A)) 44.5
Ldn (dB(A)) 60.6
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศกระทรวงมหาดไทย เรื่อง กำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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S:\Reports\Air Noise.rpt (4:34PM)



Analysis / Test Report



TESTING
No.0042

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514158445

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2321262

Date Received : Jun 06, 2023

Date Reported : Jun 08, 2023

Report Number: 2676586-1

Page 1 of 1

Sample Number 2321262-8
Parameter Noise (Leq 24 hrs.)
Location บ้านลำประจักษ์ (ชุมชนวัดโคก) (GPS 47P 0735531, 1402769)
Measurement Date May 25 - May 26, 2023
Measurement by Nantawat Sarin
Sound Level meter Serial No. 873109

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	52.9	76.9	46.6
11:00 AM - 12:00 PM	52.6	73.4	46.8
12:00 PM - 01:00 PM	53.9	77.4	47.9
01:00 PM - 02:00 PM	52.7	75.7	45.9
02:00 PM - 03:00 PM	54.8	84.2	49.1
03:00 PM - 04:00 PM	54.0	78.1	46.6
04:00 PM - 05:00 PM	55.2	76.2	49.2
05:00 PM - 06:00 PM	55.7	79.4	50.1
06:00 PM - 07:00 PM	58.8	82.2	53.0
07:00 PM - 08:00 PM	56.2	80.5	49.4
08:00 PM - 09:00 PM	56.0	79.7	50.3
09:00 PM - 10:00 PM	56.0	79.5	49.9
10:00 PM - 11:00 PM	56.1	82.3	47.5
11:00 PM - 12:00 AM	57.1	81.3	50.5
12:00 AM - 01:00 AM	62.9	89.3	48.6
01:00 AM - 02:00 AM	52.3	69.5	49.0
02:00 AM - 03:00 AM	49.6	72.7	45.8
03:00 AM - 04:00 AM	50.4	74.8	45.9
04:00 AM - 05:00 AM	51.0	73.8	44.4
05:00 AM - 06:00 AM	54.3	74.8	48.6
06:00 AM - 07:00 AM	56.2	80.0	49.7
07:00 AM - 08:00 AM	55.8	76.4	49.3
08:00 AM - 09:00 AM	52.8	73.4	46.9
09:00 AM - 10:00 AM	50.9	69.6	44.6

Leq Average 24 hrs. (dB(A)) 55.6
Lmax (dB(A)) 89.3
L90 (dB(A)) 48.6
Ldn (dB(A)) 62.7
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศกระทรวงมหาดไทย เรื่อง กำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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S:\Reports\Air Noise.rpt (4:34PM)



Analysis / Test Report



TESTING
No.0042

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514158445

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2321262

Date Received : Jun 06, 2023

Date Reported : Jun 08, 2023

Report Number: 2676587-1

Page 1 of 1

Sample Number 2321262-9
Parameter Noise (Leq 24 hrs.)
Location บ้านฉางประจักษ์ (ศูนย์บริการสาธารณสุขตากวน) (GPS 47P 0735531, 1402769)
Measurement Date May 26 - May 27, 2023
Measurement by Nantawat Sarin
Sound Level meter Serial No. 873109

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	51.4	69.3	44.9
11:00 AM - 12:00 PM	53.7	76.8	46.4
12:00 PM - 01:00 PM	52.5	71.3	47.7
01:00 PM - 02:00 PM	51.8	72.4	44.7
02:00 PM - 03:00 PM	49.8	66.4	43.5
03:00 PM - 04:00 PM	54.4	84.4	45.0
04:00 PM - 05:00 PM	53.5	79.0	47.9
05:00 PM - 06:00 PM	56.6	81.2	49.4
06:00 PM - 07:00 PM	56.8	78.7	51.8
07:00 PM - 08:00 PM	57.2	81.8	50.1
08:00 PM - 09:00 PM	59.3	78.1	56.9
09:00 PM - 10:00 PM	55.7	77.0	51.3
10:00 PM - 11:00 PM	55.8	80.9	48.0
11:00 PM - 12:00 AM	54.5	76.0	47.5
12:00 AM - 01:00 AM	55.3	83.8	47.1
01:00 AM - 02:00 AM	53.4	80.5	47.4
02:00 AM - 03:00 AM	52.1	79.5	46.6
03:00 AM - 04:00 AM	57.8	86.1	47.9
04:00 AM - 05:00 AM	50.9	75.9	44.4
05:00 AM - 06:00 AM	53.2	73.4	47.5
06:00 AM - 07:00 AM	54.7	72.0	48.4
07:00 AM - 08:00 AM	56.9	75.3	48.8
08:00 AM - 09:00 AM	53.1	75.1	46.2
09:00 AM - 10:00 AM	51.1	70.1	44.8

Leq Average 24 hrs. (dB(A)) 54.9
Lmax (dB(A)) 86.1
L90 (dB(A)) 47.5
Ldn (dB(A)) 61.1
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanitak.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (4:34PM)



Analysis / Test Report



TESTING
No.0042

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514158445

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2321262

Date Received : Jun 06, 2023

Date Reported : Jun 08, 2023

Report Number: 2676588-1

Page 1 of 1

Sample Number 2321262-10
Parameter Noise (Leq 24 hrs.)
Location บ้านฉางประจักษ์ (ศูนย์บริการสาธารณสุขตากวน) (GPS 47P 0735531, 1402769)
Measurement Date May 27 - May 28, 2023
Measurement by Nantawat Sarin
Sound Level meter Serial No. 873109

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	51.8	70.8	46.2
11:00 AM - 12:00 PM	54.0	82.8	46.2
12:00 PM - 01:00 PM	53.0	75.2	46.5
01:00 PM - 02:00 PM	52.9	75.1	47.6
02:00 PM - 03:00 PM	52.5	73.0	45.6
03:00 PM - 04:00 PM	52.8	78.3	45.3
04:00 PM - 05:00 PM	54.1	77.4	47.5
05:00 PM - 06:00 PM	56.1	79.0	50.2
06:00 PM - 07:00 PM	57.2	78.4	52.6
07:00 PM - 08:00 PM	56.6	82.4	50.0
08:00 PM - 09:00 PM	57.8	82.6	53.8
09:00 PM - 10:00 PM	56.2	75.9	50.9
10:00 PM - 11:00 PM	56.2	82.9	47.1
11:00 PM - 12:00 AM	56.6	78.6	46.8
12:00 AM - 01:00 AM	53.9	78.6	46.3
01:00 AM - 02:00 AM	52.5	77.8	46.9
02:00 AM - 03:00 AM	50.2	72.0	44.3
03:00 AM - 04:00 AM	67.8	92.9	40.8
04:00 AM - 05:00 AM	63.2	96.0	51.0
05:00 AM - 06:00 AM	53.2	75.7	47.9
06:00 AM - 07:00 AM	53.9	73.3	47.3
07:00 AM - 08:00 AM	55.0	75.0	48.3
08:00 AM - 09:00 AM	54.2	75.5	48.2
09:00 AM - 10:00 AM	53.8	72.4	46.8

Leq Average 24 hrs. (dB(A)) 57.8
Lmax (dB(A)) 96.0
L90 (dB(A)) 47.1
Ldn (dB(A)) 66.4
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanitak.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (4:35PM)



Analysis / Test Report



TESTING
No.0042

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514158445

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2321262

Date Received : Jun 06, 2023

Date Reported : Jun 08, 2023

Report Number: 2676589-1

Page 1 of 1

Sample Number 2321262-11
Parameter Noise (Leq 24 hrs.)
Location บ้านฉางประจักษ์ (ศูนย์บริการสาธารณสุขเทศบาล) (GPS 47P 0735531, 1402769)
Measurement Date May 28 - May 29, 2023
Measurement by Nantawat Sarin
Sound Level meter Serial No. 873109

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	54.7	80.5	47.4
11:00 AM - 12:00 PM	54.3	79.4	45.6
12:00 PM - 01:00 PM	55.0	81.9	46.3
01:00 PM - 02:00 PM	53.8	72.3	46.9
02:00 PM - 03:00 PM	56.2	82.8	47.3
03:00 PM - 04:00 PM	53.5	77.3	45.0
04:00 PM - 05:00 PM	54.0	78.4	46.4
05:00 PM - 06:00 PM	53.0	73.0	46.7
06:00 PM - 07:00 PM	54.3	80.4	48.1
07:00 PM - 08:00 PM	54.8	85.4	45.1
08:00 PM - 09:00 PM	52.5	75.1	46.7
09:00 PM - 10:00 PM	55.8	86.9	47.5
10:00 PM - 11:00 PM	55.9	78.1	50.4
11:00 PM - 12:00 AM	57.0	80.9	51.8
12:00 AM - 01:00 AM	57.2	79.2	51.7
01:00 AM - 02:00 AM	57.3	82.3	51.9
02:00 AM - 03:00 AM	58.3	83.4	51.8
03:00 AM - 04:00 AM	54.9	77.8	50.3
04:00 AM - 05:00 AM	54.4	76.5	49.5
05:00 AM - 06:00 AM	54.9	77.8	49.0
06:00 AM - 07:00 AM	53.3	76.8	47.7
07:00 AM - 08:00 AM	50.2	77.0	46.6
08:00 AM - 09:00 AM	51.3	77.0	46.2
09:00 AM - 10:00 AM	49.1	67.6	45.7

Leq Average 24 hrs. (dB(A))

54.9

Lmax (dB(A))

86.9

L90 (dB(A))

47.3

Ldn (dB(A))

62.3

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supt S

Supot Salameh
Section Head

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S:\Reports_Air Noise.rpt (4:35PM)



Analysis / Test Report



TESTING
No.0042

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514158445

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2321262

Date Received : Jun 06, 2023

Date Reported : Jun 08, 2023

Report Number: 2676590-1

Page 1 of 1

Sample Number 2321262-12
Parameter Noise (Leq 24 hrs.)
Location บ้านฉางประจักษ์ (ศูนย์บริการสาธารณสุขเทศบาล) (GPS 47P 0735531, 1402769)
Measurement Date May 29 - May 30, 2023
Measurement by Nantawat Sarin
Sound Level meter Serial No. 873109

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	49.9	68.7	45.4
11:00 AM - 12:00 PM	54.5	74.0	49.2
12:00 PM - 01:00 PM	56.1	80.0	50.1
01:00 PM - 02:00 PM	56.2	74.5	50.6
02:00 PM - 03:00 PM	54.9	71.7	49.6
03:00 PM - 04:00 PM	52.3	68.9	47.2
04:00 PM - 05:00 PM	54.2	76.2	47.2
05:00 PM - 06:00 PM	56.1	76.4	48.5
06:00 PM - 07:00 PM	53.7	70.8	47.7
07:00 PM - 08:00 PM	53.3	76.3	46.8
08:00 PM - 09:00 PM	53.3	78.1	46.4
09:00 PM - 10:00 PM	53.9	80.3	46.8
10:00 PM - 11:00 PM	54.6	74.1	49.6
11:00 PM - 12:00 AM	56.5	78.0	51.2
12:00 AM - 01:00 AM	56.8	76.9	52.3
01:00 AM - 02:00 AM	56.7	79.1	50.5
02:00 AM - 03:00 AM	55.7	76.8	50.4
03:00 AM - 04:00 AM	55.4	77.0	49.7
04:00 AM - 05:00 AM	56.3	81.5	49.5
05:00 AM - 06:00 AM	53.4	73.6	48.3
06:00 AM - 07:00 AM	52.1	77.7	48.0
07:00 AM - 08:00 AM	52.0	77.4	47.5
08:00 AM - 09:00 AM	50.4	70.2	46.9
09:00 AM - 10:00 AM	50.9	74.3	45.9

Leq Average 24 hrs. (dB(A))

54.6

Lmax (dB(A))

81.5

L90 (dB(A))

48.3

Ldn (dB(A))

61.7

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supt S

Supot Salameh
Section Head

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S:\Reports_Air Noise.rpt (4:35PM)



Analysis / Test Report



TESTING
No.0042

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514158445

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2321262

Date Received : Jun 06, 2023

Date Reported : Jun 08, 2023

Report Number: 2676591-1

Page 1 of 1

Sample Number 2321262-13
Parameter Noise (Leq 24 hrs.)
Location บ้านฉางประจักษ์ (ศูนย์บริการสาธารณสุขตากวน) (GPS 47P 0735531, 1402769)
Measurement Date May 30 - May 31, 2023
Measurement by Nantawat Sarin
Sound Level meter Serial No. 873109

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	50.4	69.6	46.7
11:00 AM - 12:00 PM	53.1	78.2	48.2
12:00 PM - 01:00 PM	55.5	76.8	49.8
01:00 PM - 02:00 PM	56.6	83.5	50.6
02:00 PM - 03:00 PM	55.6	81.9	49.1
03:00 PM - 04:00 PM	53.7	83.0	46.0
04:00 PM - 05:00 PM	51.7	76.2	45.2
05:00 PM - 06:00 PM	53.2	76.0	46.9
06:00 PM - 07:00 PM	54.3	74.8	48.1
07:00 PM - 08:00 PM	52.9	75.1	46.6
08:00 PM - 09:00 PM	53.4	77.9	46.2
09:00 PM - 10:00 PM	56.8	80.3	50.6
10:00 PM - 11:00 PM	56.9	83.1	48.6
11:00 PM - 12:00 AM	57.9	82.1	51.3
12:00 AM - 01:00 AM	63.6	90.1	49.4
01:00 AM - 02:00 AM	54.0	70.3	49.9
02:00 AM - 03:00 AM	50.2	73.5	46.5
03:00 AM - 04:00 AM	51.1	75.6	46.9
04:00 AM - 05:00 AM	51.2	70.0	45.2
05:00 AM - 06:00 AM	55.2	75.6	49.2
06:00 AM - 07:00 AM	57.0	80.8	50.3
07:00 AM - 08:00 AM	56.5	77.2	50.3
08:00 AM - 09:00 AM	54.1	75.4	48.0
09:00 AM - 10:00 AM	51.8	70.4	45.4

Leq Average 24 hrs. (dB(A))

55.7

Lmax (dB(A))

90.1

L90 (dB(A))

48.1

Ldn (dB(A))

63.4

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (4:35PM)



Analysis / Test Report



TESTING
No.0042

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514158445

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2321262

Date Received : Jun 06, 2023

Date Reported : Jun 08, 2023

Report Number: 2676592-1

Page 1 of 1

Sample Number 2321262-14
Parameter Noise (Leq 24 hrs.)
Location บ้านฉางประจักษ์ (ศูนย์บริการสาธารณสุขตากวน) (GPS 47P 0735531, 1402769)
Measurement Date May 31 - Jun 01, 2023
Measurement by Nantawat Sarin
Sound Level meter Serial No. 873109

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	52.1	70.1	45.8
11:00 AM - 12:00 PM	54.3	77.6	46.8
12:00 PM - 01:00 PM	53.4	72.1	48.4
01:00 PM - 02:00 PM	52.7	73.2	46.2
02:00 PM - 03:00 PM	50.8	68.1	44.4
03:00 PM - 04:00 PM	55.2	85.2	45.6
04:00 PM - 05:00 PM	54.2	79.8	48.6
05:00 PM - 06:00 PM	57.2	82.0	50.0
06:00 PM - 07:00 PM	57.7	79.5	52.4
07:00 PM - 08:00 PM	58.0	82.6	51.1
08:00 PM - 09:00 PM	59.7	78.9	57.0
09:00 PM - 10:00 PM	57.3	77.8	54.1
10:00 PM - 11:00 PM	56.7	81.7	48.9
11:00 PM - 12:00 AM	55.1	76.8	48.3
12:00 AM - 01:00 AM	54.5	83.6	48.0
01:00 AM - 02:00 AM	56.1	84.6	48.1
02:00 AM - 03:00 AM	52.7	80.3	47.5
03:00 AM - 04:00 AM	58.6	86.9	48.8
04:00 AM - 05:00 AM	51.7	76.7	45.3
05:00 AM - 06:00 AM	52.3	70.0	47.0
06:00 AM - 07:00 AM	54.4	72.9	47.8
07:00 AM - 08:00 AM	56.5	74.8	48.5
08:00 AM - 09:00 AM	52.6	74.6	45.8
09:00 AM - 10:00 AM	50.7	69.6	44.4

Leq Average 24 hrs. (dB(A))

55.5

Lmax (dB(A))

86.9

L90 (dB(A))

48.0

Ldn (dB(A))

61.7

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (4:36PM)



Analysis / Test Report



TESTING
No.0042

Client : Siam Polystyrene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4514158445
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2321262
Date Received : Jun 06, 2023
Date Reported : Jun 20, 2023
Report Number: 2676593-1 Rev. No.1

Page 1 of 1

Sample Number : 2321262-15
Parameter : Noise (Leq 24 hrs.)
Location : บริเวณโครงการผ่านฟ้าใต้ (GPS 47P 0733727, 1404233)
Measurement Date : May 25 - May 26, 2023
Measurement by : Nantawat Sarin
Sound Level meter : Serial No. 734225

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	62.2	85.2	61.5
10:00 AM - 11:00 AM	62.0	76.2	61.3
11:00 AM - 12:00 PM	61.8	69.1	61.2
12:00 PM - 01:00 PM	61.6	70.0	61.0
01:00 PM - 02:00 PM	61.5	81.7	60.9
02:00 PM - 03:00 PM	61.4	68.9	60.8
03:00 PM - 04:00 PM	61.3	69.4	60.7
04:00 PM - 05:00 PM	61.5	76.7	60.9
05:00 PM - 06:00 PM	61.9	68.7	61.4
06:00 PM - 07:00 PM	62.4	70.1	61.9
07:00 PM - 08:00 PM	62.4	70.0	61.9
08:00 PM - 09:00 PM	62.0	65.0	61.6
09:00 PM - 10:00 PM	62.0	64.4	61.5
10:00 PM - 11:00 PM	62.0	67.5	61.5
11:00 PM - 12:00 AM	62.1	72.7	61.7
12:00 AM - 01:00 AM	62.2	67.8	61.7
01:00 AM - 02:00 AM	61.9	63.9	61.5
02:00 AM - 03:00 AM	62.3	64.6	61.8
03:00 AM - 04:00 AM	62.4	64.2	62.1
04:00 AM - 05:00 AM	62.5	70.3	62.0
05:00 AM - 06:00 AM	62.6	77.4	62.2
06:00 AM - 07:00 AM	62.8	71.9	61.7
07:00 AM - 08:00 AM	62.3	71.0	61.1
08:00 AM - 09:00 AM	61.7		

Leq Average 24 hrs. (dB(A)) : 62.1
Lmax (dB(A)) : 85.2
L90 (dB(A)) : 61.5
Ldn (dB(A)) : 68.7
Standard (dB(A)) : 70

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศกระทรวงมหาดไทย เรื่อง กำหนดมาตรฐานการประเมินเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่ได้จากการประกอบกิจการโรงงาน พ.ศ. 2548

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

Note : This Analysis test report is reissued to supersede report No.2676593-1, Date Reported : Jun 08, 2023 due to revise analytical information.

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Life Sciences

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S:\Reports\Air Noise.rpt (4:07PM)



Analysis / Test Report



TESTING
No.0042

Client : Siam Polystyrene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4514158445
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2321262
Date Received : Jun 06, 2023
Date Reported : Jun 20, 2023
Report Number: 2676594-1 Rev. No.1

Page 1 of 1

Sample Number : 2321262-16
Parameter : Noise (Leq 24 hrs.)
Location : บริเวณโครงการผ่านฟ้าใต้ (GPS 47P 0733727, 1404233)
Measurement Date : May 26 - May 27, 2023
Measurement by : Nantawat Sarin
Sound Level meter : Serial No. 734225

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	62.0	72.4	61.3
10:00 AM - 11:00 AM	61.3	70.6	60.8
11:00 AM - 12:00 PM	61.1	69.3	60.5
12:00 PM - 01:00 PM	61.3	70.7	60.6
01:00 PM - 02:00 PM	69.0	83.0	62.4
02:00 PM - 03:00 PM	61.1	66.4	60.6
03:00 PM - 04:00 PM	61.3	71.0	60.8
04:00 PM - 05:00 PM	61.6	68.7	61.0
05:00 PM - 06:00 PM	61.7	70.5	61.0
06:00 PM - 07:00 PM	61.8	73.8	61.3
07:00 PM - 08:00 PM	61.7	66.9	61.3
08:00 PM - 09:00 PM	61.5	68.3	61.0
09:00 PM - 10:00 PM	61.7	67.4	61.2
10:00 PM - 11:00 PM	61.7	65.9	61.1
11:00 PM - 12:00 AM	61.9	68.3	61.3
12:00 AM - 01:00 AM	62.0	66.8	61.4
01:00 AM - 02:00 AM	61.9	65.5	61.4
02:00 AM - 03:00 AM	61.9	65.7	61.4
03:00 AM - 04:00 AM	62.1	68.7	61.7
04:00 AM - 05:00 AM	62.4	64.8	62.0
05:00 AM - 06:00 AM	62.6	70.8	62.1
06:00 AM - 07:00 AM	62.9	76.9	62.1
07:00 AM - 08:00 AM	62.5	71.6	61.9
08:00 AM - 09:00 AM	62.3	71.1	61.6

Leq Average 24 hrs. (dB(A)) : 62.6
Lmax (dB(A)) : 83.0
L90 (dB(A)) : 61.3
Ldn (dB(A)) : 68.7
Standard (dB(A)) : 70

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศกระทรวงมหาดไทย เรื่อง กำหนดมาตรฐานการประเมินเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่ได้จากการประกอบกิจการโรงงาน พ.ศ. 2548

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

Note : This Analysis test report is reissued to supersede report No.2676594-1, Date Reported : Jun 08, 2023 due to revise analytical information.

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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S:\Reports\Air Noise.rpt (4:14PM)



Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514158445

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)



TESTING
No.0042

Lot ID: 2321262

Date Received : Jun 06, 2023

Date Reported : Jun 20, 2023

Report Number: 2676595-1 Rev. No.1

Page 1 of 1

Sample Number 2321262-17
Parameter Noise (Leq 24 hrs.)
Location บริเวณโรงกลั่นปิโตรเลียม (GPS 47P 0733727, 1404233)
Measurement Date May 27 - May 28, 2023
Measurement by Nantawat Sarin
Sound Level meter Serial No. 734225

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	61.7	76.8	61.2
10:00 AM - 11:00 AM	61.9	74.0	61.2
11:00 AM - 12:00 PM	61.9	74.9	61.3
12:00 PM - 01:00 PM	61.9	71.1	61.4
01:00 PM - 02:00 PM	61.8	67.6	61.2
02:00 PM - 03:00 PM	61.3	74.0	60.7
03:00 PM - 04:00 PM	61.2	70.2	60.7
04:00 PM - 05:00 PM	61.3	71.6	60.7
05:00 PM - 06:00 PM	61.5	73.2	60.9
06:00 PM - 07:00 PM	61.8	73.7	61.1
07:00 PM - 08:00 PM	61.5	66.4	61.0
08:00 PM - 09:00 PM	61.5	65.0	61.1
09:00 PM - 10:00 PM	61.5	67.3	61.0
10:00 PM - 11:00 PM	61.7	64.3	61.2
11:00 PM - 12:00 AM	61.7	66.5	61.3
12:00 AM - 01:00 AM	61.7	64.6	61.3
01:00 AM - 02:00 AM	61.9	63.8	61.6
02:00 AM - 03:00 AM	61.7	63.5	61.4
03:00 AM - 04:00 AM	63.7	98.0	61.4
04:00 AM - 05:00 AM	62.8	89.8	61.6
05:00 AM - 06:00 AM	62.6	74.1	62.0
06:00 AM - 07:00 AM	62.6	72.7	62.1
07:00 AM - 08:00 AM	62.4	69.5	61.8
08:00 AM - 09:00 AM	62.3	71.5	61.8

Leq Average 24 hrs. (dB(A))

62.0

Lmax (dB(A))

98.0

L90 (dB(A))

61.2

Ldn (dB(A))

68.6

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Note : This Analysis test report is reissued to supersede report No.2676595-1, Date Reported : Jun 08, 2023 due to revise analytical information.

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salameh
Section Head

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S:\Reports_Air Noise.rpt (4:14PM)



Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514158445

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)



TESTING
No.0042

Lot ID: 2321262

Date Received : Jun 06, 2023

Date Reported : Jun 20, 2023

Report Number: 2676596-1 Rev. No.1

Page 1 of 1

Sample Number 2321262-18
Parameter Noise (Leq 24 hrs.)
Location บริเวณโรงกลั่นปิโตรเลียม (GPS 47P 0733727, 1404233)
Measurement Date May 28 - May 29, 2023
Measurement by Nantawat Sarin
Sound Level meter Serial No. 734225

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	62.3	68.3	61.7
10:00 AM - 11:00 AM	61.8	71.5	61.3
11:00 AM - 12:00 PM	61.3	68.5	60.8
12:00 PM - 01:00 PM	61.1	75.0	60.5
01:00 PM - 02:00 PM	61.1	69.8	60.6
02:00 PM - 03:00 PM	60.9	70.4	60.3
03:00 PM - 04:00 PM	61.1	80.4	60.5
04:00 PM - 05:00 PM	61.6	71.8	60.9
05:00 PM - 06:00 PM	61.8	73.0	61.2
06:00 PM - 07:00 PM	62.3	78.4	61.6
07:00 PM - 08:00 PM	61.9	64.9	61.4
08:00 PM - 09:00 PM	62.0	65.6	61.7
09:00 PM - 10:00 PM	61.9	64.8	61.6
10:00 PM - 11:00 PM	62.3	64.2	61.9
11:00 PM - 12:00 AM	62.3	79.6	61.7
12:00 AM - 01:00 AM	62.9	74.7	62.2
01:00 AM - 02:00 AM	62.7	74.8	62.1
02:00 AM - 03:00 AM	62.8	78.6	62.3
03:00 AM - 04:00 AM	62.9	67.7	62.5
04:00 AM - 05:00 AM	63.2	75.7	62.8
05:00 AM - 06:00 AM	63.1	73.2	62.7
06:00 AM - 07:00 AM	63.0	70.3	62.6
07:00 AM - 08:00 AM	62.7	70.5	62.2
08:00 AM - 09:00 AM	62.1	67.7	61.7

Leq Average 24 hrs. (dB(A))

62.2

Lmax (dB(A))

80.4

L90 (dB(A))

61.7

Ldn (dB(A))

69.1

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Note : This Analysis test report is reissued to supersede report No.2676596-1, Date Reported : Jun 08, 2023 due to revise analytical information.

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salameh
Section Head

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S:\Reports_Air Noise.rpt (4:14PM)



Analysis / Test Report



TESTING
No.0042

Client : Siam Polystyrene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4514158445
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2321262
Date Received : Jun 06, 2023
Date Reported : Jun 20, 2023
Report Number: 2676597-1 Rev. No.1

Page 1 of 1

Sample Number : 2321262-19
Parameter : Noise (Leq 24 hrs.)
Location : บ้านโรงรถด้านทิศใต้ (GPS 47P 0733727, 1404233)
Measurement Date : May 29 - May 30, 2023
Measurement by : Nantawat Sarin
Sound Level meter : Serial No. 734225

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	61.6	66.2	61.1
10:00 AM - 11:00 AM	67.4	87.0	61.4
11:00 AM - 12:00 PM	62.1	74.3	61.5
12:00 PM - 01:00 PM	62.0	68.4	61.5
01:00 PM - 02:00 PM	62.5	74.6	61.9
02:00 PM - 03:00 PM	62.9	69.9	62.3
03:00 PM - 04:00 PM	62.8	70.5	62.3
04:00 PM - 05:00 PM	62.9	78.3	62.2
05:00 PM - 06:00 PM	62.3	68.6	61.9
06:00 PM - 07:00 PM	62.4	73.0	61.9
07:00 PM - 08:00 PM	63.3	72.6	62.2
08:00 PM - 09:00 PM	63.0	65.1	62.5
09:00 PM - 10:00 PM	62.8	67.5	62.4
10:00 PM - 11:00 PM	62.9	67.1	62.6
11:00 PM - 12:00 AM	63.8	70.3	63.0
12:00 AM - 01:00 AM	75.0	110.6	65.1
01:00 AM - 02:00 AM	79.8	113.7	65.6
02:00 AM - 03:00 AM	63.9	67.1	63.5
03:00 AM - 04:00 AM	63.6	65.4	63.2
04:00 AM - 05:00 AM	63.8	69.3	63.4
05:00 AM - 06:00 AM	63.5	71.3	63.0
06:00 AM - 07:00 AM	63.1	68.4	62.7
07:00 AM - 08:00 AM	62.8	77.1	62.2
08:00 AM - 09:00 AM	61.7	67.7	61.2

Leq Average 24 hrs. (dB(A)) : 68.6
Lmax (dB(A)) : 113.7
L90 (dB(A)) : 62.3
Ldn (dB(A)) : 77.8
Standard (dB(A)) : 70

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศกระทรวงมหาดไทย เรื่อง กำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

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

Note : This Analysis test report is reissued to supersede report No.2676597-1, Date Reported : Jun 08, 2023 due to revise analytical information.

Technical Management

Thanitak.
Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.
Supot Salamteah
Section Head

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Analysis / Test Report



TESTING
No.0042

Client : Siam Polystyrene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4514158445
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2321262
Date Received : Jun 06, 2023
Date Reported : Jun 20, 2023
Report Number: 2676598-1 Rev. No.1

Page 1 of 1

Sample Number : 2321262-20
Parameter : Noise (Leq 24 hrs.)
Location : บ้านโรงรถด้านทิศใต้ (GPS 47P 0733727, 1404233)
Measurement Date : May 30 - May 31, 2023
Measurement by : Nantawat Sarin
Sound Level meter : Serial No. 734225

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	63.6	91.1	61.4
10:00 AM - 11:00 AM	61.9	78.0	61.2
11:00 AM - 12:00 PM	61.8	79.6	61.1
12:00 PM - 01:00 PM	62.0	79.9	61.3
01:00 PM - 02:00 PM	61.9	77.9	61.2
02:00 PM - 03:00 PM	61.8	75.5	61.2
03:00 PM - 04:00 PM	62.0	76.8	61.3
04:00 PM - 05:00 PM	62.5	77.1	61.7
05:00 PM - 06:00 PM	62.4	76.8	61.7
06:00 PM - 07:00 PM	62.6	80.7	61.8
07:00 PM - 08:00 PM	62.7	74.9	61.6
08:00 PM - 09:00 PM	64.0	76.7	62.7
09:00 PM - 10:00 PM	63.1	76.8	62.0
10:00 PM - 11:00 PM	62.6	73.9	61.8
11:00 PM - 12:00 AM	62.6	80.3	61.7
12:00 AM - 01:00 AM	62.8	74.8	62.0
01:00 AM - 02:00 AM	62.3	75.1	61.5
02:00 AM - 03:00 AM	62.4	69.4	61.6
03:00 AM - 04:00 AM	62.7	70.3	61.8
04:00 AM - 05:00 AM	61.8	70.0	61.3
05:00 AM - 06:00 AM	63.9	85.3	61.9
06:00 AM - 07:00 AM	62.6	77.5	61.8
07:00 AM - 08:00 AM	62.6	76.3	61.7
08:00 AM - 09:00 AM	63.1	74.7	62.6

Leq Average 24 hrs. (dB(A)) : 62.6
Lmax (dB(A)) : 91.1
L90 (dB(A)) : 61.7
Ldn (dB(A)) : 69.1
Standard (dB(A)) : 70

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศกระทรวงมหาดไทย เรื่อง กำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

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

Note : This Analysis test report is reissued to supersede report No.2676598-1, Date Reported : Jun 08, 2023 due to revise analytical information.

Technical Management

Thanitak.
Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.
Supot Salamteah
Section Head

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Analysis / Test Report



TESTING
No.0042

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514158445

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2321262

Date Received : Jun 06, 2023

Date Reported : Jun 20, 2023

Report Number: 2676599-1 Rev. No.1

Page 1 of 1

Sample Number 2321262-21
Parameter Noise (Leq 24 hrs.)
Location บริเวณโครงการด้านทิศใต้ (GPS 47P 0733727, 1404233)
Measurement Date May 31 - Jun 01, 2023
Measurement by Nantawat Sarin
Sound Level meter Serial No. 734225

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	63.1	74.0	62.5
10:00 AM - 11:00 AM	61.9	74.5	61.2
11:00 AM - 12:00 PM	61.8	76.0	61.1
12:00 PM - 01:00 PM	61.9	70.8	61.3
01:00 PM - 02:00 PM	62.2	67.0	61.8
02:00 PM - 03:00 PM	62.2	64.9	61.8
03:00 PM - 04:00 PM	61.8	63.9	61.5
04:00 PM - 05:00 PM	61.0	64.1	60.7
05:00 PM - 06:00 PM	62.0	66.9	61.5
06:00 PM - 07:00 PM	62.1	67.2	61.6
07:00 PM - 08:00 PM	62.1	67.8	61.6
08:00 PM - 09:00 PM	61.7	64.8	61.1
09:00 PM - 10:00 PM	63.5	90.4	62.2
10:00 PM - 11:00 PM	62.1	68.5	61.7
11:00 PM - 12:00 AM	62.0	72.4	61.5
12:00 AM - 01:00 AM	62.2	70.9	61.6
01:00 AM - 02:00 AM	62.5	74.5	61.7
02:00 AM - 03:00 AM	62.5	71.9	61.9
03:00 AM - 04:00 AM	63.0	71.2	62.3
04:00 AM - 05:00 AM	62.4	77.6	61.8
05:00 AM - 06:00 AM	62.8	75.7	62.1
06:00 AM - 07:00 AM	62.8	72.9	62.2
07:00 AM - 08:00 AM	62.8	71.9	62.2
08:00 AM - 09:00 AM	62.3	71.7	61.8

Leq Average 24 hrs. (dB(A))

62.3

Lmax (dB(A))

90.4

L90 (dB(A))

61.7

Ldn (dB(A))

68.9

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Note : This Analysis test report is reissued to supersede report No.2676599-1, Date Reported : Jun 08, 2023 due to revise analytical information.

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

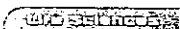
Approved by

Supot S.

Supot Salamteh
Section Head

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ภาคผนวก ค-4

คุณภาพน้ำทิ้ง



Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O :
Project Name : Water Testing
Project Location : Map Ta Phut_PS (SPCL)



TESTING
No.0042

Lot ID: 231358
Date Received : Jan 11, 2023
Date Reported : Jan 19, 2023
Report Number : 2535023-1

Page 1 of 2

Sample Number 231358-1
Sampled Date Jan 11, 2023 10:30 AM
Sample Description Wastewater
Location ES-1890
Date Analysis Commenced Jan 11, 2023
Condition of Sample Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Rayong
COD	mg/L	1.5	5	19	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	12	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	10	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease *	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *		-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	28.2	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	672	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Guideline : Effluent standard for factories, Industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Technical Management

N. Banongkit

Narumon Banchongkit
Supervisor
โทรศัพท์ 0-323-9-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager
โทรศัพท์ 0-323-9-9442

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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O :
Project Name : Water Testing
Project Location : Map Ta Phut_PS (SPCL)



TESTING
No.0042

Lot ID: 231358
Date Received : Jan 11, 2023
Date Reported : Jan 19, 2023
Report Number : 2535023-1

Page 2 of 2

Sampling By : Wanlop Hunchanaow โทรศัพท์ 0-323-9-9457

Remark :

- LOD : Limit of Detection
- * < : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

N. Banongkit

Narumon Banchongkit
Supervisor
โทรศัพท์ 0-323-9-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager
โทรศัพท์ 0-323-9-9442

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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.
8, Map Ta Phut Industrial Estate, 1-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O :
Project Name : Water Testing
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 231358
Date Received : Jan 11, 2023
Date Reported : Jan 19, 2023
Report Number : 2535023-2

Page 1 of 1

Sample Number	231358-1						
Sampled Date	Jan 11, 2023 10:30 AM						
Sample Description	Wastewater						
Location	ES-1890						
Date Analysis Commenced	Jan 14, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Organic Carbon	mg/L	0.01	0.1	8.99	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By :

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

Approved by

Narin Salseng
Narin Salseng
Supervisor

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, 1-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O :
Project Name : Water Testing
Project Location : Map Ta Phut_Latex (SSLC)



TESTING
No.0042

Lot ID: 231349
Date Received : Jan 11, 2023
Date Reported : Jan 19, 2023
Report Number : 2535004-1

Page 1 of 1

Page 2 of 2

Sample Number	231349-1					
Sampled Date	Jan 11, 2023 10:00 AM					
Sample Description	Wastewater					
Location	Domestic Inlet					
Date Analysis Commenced	Jan 11, 2023					
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)					
Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
BOD (5 days at 20 Degree C)	mg/L	-	2.0	98.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Rayong
COD	mg/L	1.5	5	279	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Oil & Grease *	mg/L	-	3	11	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *		-	-	7.9	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	29.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	396	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	103	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Sampling By : Wanlop Hunchanaow โทร 09-9457, Thanasoun Namakunna โทร 09-9457

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Narumon Banchoangkit
Narumon Banchoangkit
Supervisor
โทร 09-9457

Approved by

Dej Changchon
Dej Changchon
Senior Manager
โทร 09-9442

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O :
Project Name : Water Testing
Project Location : Map Ta Phut_Latex (SSLC)

Lot ID: 231349
Date Received : Jan 11, 2023
Date Reported : Jan 18, 2023
Report Number : 2535004-2

Page 1 of 1

Sample Number	231349-1					
Sampled Date	Jan 11, 2023 10:00 AM					
Sample Description	Wastewater					
Location	Domestic Inlet					
Date Analysis Commenced	Jan 14, 2023					
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)					
Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
Total Organic Carbon	mg/L	0.01	0.1	44.6	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

Sampling By : Wanlop Hunchainaw , Thanasoun Namakunna

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

Approved by

Siriluk P.

Siriluk Puengpang
Supervisor

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O :
Project Name : Water Testing
Project Location : Map Ta Phut_Latex (SSLC)



TESTING
No.0042

Lot ID: 231355
Date Received : Jan 11, 2023
Date Reported : Jan 23, 2023
Report Number : 2535008-1

Page 1 of 2

Page 1 of 2

Sample Number	231355-1						
Sampled Date	Jan 11, 2023 9:50 AM						
Sample Description	Wastewater						
Location	Domestic Outlet						
Date Analysis Commenced	Jan 11, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	13.4	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Rayong
COD	mg/L	1.5	25	36	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH) *	ADMI	-	5	32	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0) *	ADMI	-	5	29	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *		-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	29.4	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	368	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	16.8	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong

Technical Management

N. Banongkit

Narumon Banongkit
Supervisor
โทรศัพท์ 7-323-9-9445

Approved by

D. Chanchon

Dej Chanchon
Senior Manager
โทรศัพท์ 7-323-9-9442

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O :
Project Name : Water Testing
Project Location : Map Ta Phut_Latex (SSLC)



TESTING
No.0042
Lot ID: 231355
Date Received : Jan 11, 2023
Date Reported : Jan 23, 2023
Report Number : 2535008-1

Page 2 of 2

Sample Number	231355-1						
Sampled Date	Jan 11, 2023 9:50 AM						
Sample Description	Wastewater						
Location	Domestic Outlet						
Date Analysis Commenced	Jan 11, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	19	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Wanlop Hunchalao ทรัพย์สินทางปัญญา 323-9457, Thanasoun Namakunna ทรัพย์สินทางปัญญา 323-9457

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

N. Banchookit

Narumon Banchookit
Supervisor
ทรัพย์สินทางปัญญา 323-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager
ทรัพย์สินทางปัญญา 323-9442

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O :
Project Name : Water Testing
Project Location : Map Ta Phut_Latex (SSLC)

Lot ID: 231355
Date Received : Jan 11, 2023
Date Reported : Jan 19, 2023
Report Number : 2535008-2

Page 1 of 1

Sample Number	231355-1						
Sampled Date	Jan 11, 2023 9:50 AM						
Sample Description	Wastewater						
Location	Domestic Outlet						
Date Analysis Commenced	Jan 14, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Organic Carbon	mg/L	0.01	0.1	8.02	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By :

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

Approved by

Narin Salseng

Narin Salseng
Supervisor

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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514158445

Project Name : Water Testing

Project Location: Map Ta Phut_PS (SPCL)



TESTING

No.0042

Lot ID: 231786

Date Received : Feb 01, 2023

Date Reported : Feb 09, 2023

Report Number : 2536019-1

Page 1 of 2

Sample Number 231786-1
Sampled Date Feb 01, 2023 9:40 AM
Sample Description Wastewater
Location ES-1890
Date Analysis Commenced Feb 01, 2023
Condition of Sample Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Rayong
COD	mg/L	1.5	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	12	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	10	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease *	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *	-	-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	25.4	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	616	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Technical Management

N. Banphit

Narumon Banchongkit
Supervisor
โทรเลขเลขที่ 3-323-9-9445

Approved by

D. Chuan

Dej Changchon
Senior Manager
โทรเลขเลขที่ 3-323-9-9442

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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514158445

Project Name : Water Testing

Project Location: Map Ta Phut_PS (SPCL)



TESTING

No.0042

Lot ID: 231786

Date Received : Feb 01, 2023

Date Reported : Feb 09, 2023

Report Number : 2536019-1

Page 2 of 2

Note : Raw data of COD value (Refer to Lot ID 231786-1) is 19.8 mg/L

Sampling By : Wanlop Hunchalaoow โทรเลขเลขที่ 3-323-9-9457, Thanasoun Namakunna โทรเลขเลขที่ 3-204-9-8592

Remark :

- LOD : Limit of Detection
- "c" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

N. Banphit

Narumon Banchongkit
Supervisor
โทรเลขเลขที่ 3-323-9-9445

Approved by

D. Chuan

Dej Changchon
Senior Manager
โทรเลขเลขที่ 3-323-9-9442

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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4514158445
Project Name : Water Testing
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 231786
Date Received : Feb 01, 2023
Date Reported : Feb 09, 2023
Report Number : 2536019-2

Page 1 of 1

Sample Number	231786-1						
Sampled Date	Feb 01, 2023 9:40 AM						
Sample Description	Wastewater						
Location	ES-1890						
Date Analysis Commenced	Feb 02, 2023						
Condition of Sample	Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Organic Carbon	mg/L	0.01	0.1	9.04	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Note : Raw data of COD value (Refer to Lot ID 231786-1) is 19.8 mg/L

Sampling By : Wanlop Hunchainaow , Thanasoun Namakunna

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

Approved by

Siriluk P.
Siriluk Puengpan
Supervisor

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S:\Reports\AL_NGL\ref (2-07799)



Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4514144337
Project Name : Water Testing
Project Location : Map Ta Phut_Latex (SSLC)

Lot ID: 231776
Date Received : Feb 01, 2023
Date Reported : Feb 09, 2023
Report Number : 2535999-1

Page 1 of 1

Sample Number	231776-1					
Sampled Date	Jan 01, 2023 9:30 AM					
Sample Description	Wastewater					
Location	Domestic Inlet					
Date Analysis Commenced	Feb 01, 2023					
Condition of Sample	Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)					
Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
BOD (5 days at 20 Degree C)	mg/L	-	2.0	118	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Rayong
COD	mg/L	1.5	25	236	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Oil & Grease *	mg/L	-	3	8	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *		-	-	7.9	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	27.7	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	336	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	88.4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	121	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Sampling By : Wanlop Hunchainaow โทร 09-323-9-9457 , Thanasoun Namakunna โทร 09-204-9-8592

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

N. Banphit
Narumon Banchongkit
Supervisor
โทร 09-323-9-9445

Approved by

D. Changchon
Dej Changchon
Senior Manager
โทร 09-323-9-9442

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514144337

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)

Lot ID: 231776

Date Received : Feb 01, 2023

Date Reported : Feb 09, 2023

Report Number : 2535999-2

Page 1 of 1

Sample Number	231776-1
Sampled Date	Jan 01, 2023 9:30 AM
Sample Description	Wastewater
Location	Domestic Inlet
Date Analysis Commenced	Feb 02, 2023
Condition of Sample	Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
Total Organic Carbon	mg/L	0.01	0.1	49.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

Sampling By : Wanlop Hunchanaow , Thanasoun Namakunna

Remark :

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

Approved by

Siriluk P.

Siriluk Puengpang
Supervisor

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514144337

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)



TESTING

No.0042

Lot ID: 231780

Date Received : Feb 01, 2023

Date Reported : Feb 09, 2023

Report Number : 2536003-1

Page 1 of 2

Sample Number	231780-1
Sampled Date	Feb 01, 2023 9:25 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Feb 01, 2023
Condition of Sample	Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Rayong
COD	mg/L	1.5	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	14	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	15	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease *	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (8)	Rayong
Temperature *	Degree C	-	-	26.7	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	236	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	1.1	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong

Technical Management

N. Banphit

Nanum Banphongkit
Supervisor

โทรศัพท์มือถือ 3-323-9-9445

Approved by

D. Chanchon

Def. Chanchon
Senior Manager

โทรศัพท์มือถือ 3-323-9-9442

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S:\Reports\AL_HQ_Latex (1:05PM)



Analysis / Test Report

TESTING
No.0042

Client : Siam Synthetic Latex Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514144337

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)

Lot ID: 231780

Date Received : Feb 01, 2023

Date Reported : Feb 09, 2023

Report Number : 2536003-1

Page 2 of 2

Sample Number	231780-1						
Sampled Date	Feb 01, 2023 9:25 AM						
Sample Description	Wastewater						
Location	Domestic Outlet						
Date Analysis Commenced	Feb 01, 2023						
Condition of Sample	Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Note : Raw data of COD value (Refer to Lot ID 231780-1) is 10.7 mg/L

Sampling By : Wanlop Hunchanaow ทนายนหุณชาอว ๖-323-๖-9457, Thanasoun Namakunna ทนายนนามักุนนา ๖-204-๖-8592

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

N. Banphit

Narumon Banchongkit
Supervisor

ทนายนบงชงกิต ๖-323-๖-9445

Approved by

D. Chanchon

Dej Chanchon
Senior Manager

ทนายนฉงชน ๖-323-๖-9442

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Analysis / Test Report

Lot ID: 231780

Date Received : Feb 01, 2023

Date Reported : Feb 09, 2023

Report Number : 2536003-2

Page 1 of 1

Client : Siam Synthetic Latex Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514144337

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)

Sample Number	231780-1						
Sampled Date	Feb 01, 2023 9:25 AM						
Sample Description	Wastewater						
Location	Domestic Outlet						
Date Analysis Commenced	Feb 02, 2023						
Condition of Sample	Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Organic Carbon	mg/L	0.01	0.1	3.80	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Note : Raw data of COD value (Refer to Lot ID 231780-1) is 10.7 mg/L

Sampling By : Wanlop Hunchanaow , Thanasoun Namakunna

Remark :

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

Approved by

Siriluk P.

Siriluk Puengpang
Supervisor

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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514158445

Project Name : Water Testing

Project Location: Map Ta Phut_PS (SPCL)



TESTING

No.0042

Lot ID: 2320300

Date Received : Mar 01, 2023

Date Reported : Mar 10, 2023

Report Number : 2574687-1

Page 1 of 2

Page 1 of 2

Sample Number	2320300-1						
Sampled Date	Mar 01, 2023 10:20 AM						
Sample Description	Wastewater						
Location	ES-1890						
Date Analysis Commenced	Mar 01, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Rayong
COD	mg/L	1.5	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	19	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	16	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease *	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *		-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	27.3	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	500	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Technical Management

N. Banchoangkit

Narumon Banchoangkit
Supervisor

โทรศัพท์ 0-323-9-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager

โทรศัพท์ 0-323-9-9442

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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514158445

Project Name : Water Testing

Project Location: Map Ta Phut_PS (SPCL)



TESTING

No.0042

Lot ID: 2320300

Date Received : Mar 01, 2023

Date Reported : Mar 10, 2023

Report Number : 2574687-1

Page 2 of 2

Note : Raw data of COD value (Refer to Lot ID 2320300-1) is 22.0 mg/L

Sampling By : Pathompong Kornsaew โทรศัพท์ 0-323-9-9468, Thanasoun Namakunna โทรศัพท์ 0-204-9-8592

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

N. Banchoangkit

Narumon Banchoangkit
Supervisor

โทรศัพท์ 0-323-9-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager

โทรศัพท์ 0-323-9-9442

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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4514158445
Project Name : Water Testing
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2320300
Date Received : Mar 01, 2023
Date Reported : Mar 10, 2023
Report Number : 2574687-2

Page 1 of 1

Sample Number	2320300-1						
Sampled Date	Mar 01, 2023 10:20 AM						
Sample Description	Wastewater						
Location	ES-1890						
Date Analysis Commenced	Mar 03, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Organic Carbon	mg/L	0.01	0.1	9.52	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Pathompong Kornasat , Thanasoun Namakunna

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

Approved by

Narin Saiseng

Narin Saiseng
Supervisor

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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4514158445
Project Name : Water Testing
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2320305
Date Received : Mar 01, 2023
Date Reported : Mar 10, 2023
Report Number : 2574722-1

Page 1 of 1

Sample Number	2320305-1						
Sampled Date	Mar 01, 2023 11:00 AM						
Sample Description	Wastewater						
Location	จุดระบายน้ำทิ้งจากบ่อโครงการ (Outfall Pit)						
Date Analysis Commenced	Mar 01, 2023						
Condition of Sample	Contained in two amber glass bottles and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Cyanide as CN	mg/L	0.001	0.005	0.008	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-CN (C, E)	Rayong
Residual Free Chlorine	mg/L	-	0.1	<0.1	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Pathompong Kornasat โทร 08-323-9-9468 , Thanasoun Namakunna โทร 08-323-9-8592

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

Technical Management

N. Banngnit

Narumon Banchongkit
Supervisor
โทร 08-323-9-9445

Approved by

D. Chanchon

Dej Chanchon
Senior Manager
โทร 08-323-9-9442

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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514158445

Project Name : Water Testing

Project Location: Map Ta Phut_PS (SPCL)



TESTING
No.0009

Lot ID: 2320305

Date Received : Mar 01, 2023

Date Reported : Mar 10, 2023

Report Number : 2574722-2

Page 1 of 2

Sample Number	2320305-1
Sampled Date	Mar 01, 2023 11:00 AM
Sample Description	Wastewater
Location	จุดระบายน้ำที่ห้องอบแห้ง (Outfall Pit)
Date Analysis Commenced	Mar 02, 2023
Condition of Sample	Contained in two amber glass bottles and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Barium	mg/L	0.0003	0.0005	0.24	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	<0.0005	≤0.02	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Pesticides - Organochlorine Group							
2,4-DDD *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B	Bangkok
2,4-DDE *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B	Bangkok
2,4-DDT *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B	Bangkok
4,4-DDD *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B	Bangkok
4,4-DDE *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B	Bangkok

Technical Management

Sawitree N.

Sawitree Naisanglam
Manager

โทรศัพท์มือถือ 02-204-3-4709

Approved by

Kanokkorn Anek

Kanokkorn Anek
Senior Manager

โทรศัพท์มือถือ 02-204-3-6111

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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514158445

Project Name : Water Testing

Project Location: Map Ta Phut_PS (SPCL)



TESTING
No.0009

Lot ID: 2320305

Date Received : Mar 01, 2023

Date Reported : Mar 10, 2023

Report Number : 2574722-2

Page 2 of 2

Sample Number	2320305-1
Sampled Date	Mar 01, 2023 11:00 AM
Sample Description	Wastewater
Location	จุดระบายน้ำที่ห้องอบแห้ง (Outfall Pit)
Date Analysis Commenced	Mar 02, 2023
Condition of Sample	Contained in two amber glass bottles and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Pesticides - Organochlorine Group							
4,4-DDT *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B	Bangkok
Aldrin *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B	Bangkok
alpha-BHC *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B	Bangkok
beta-BHC *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B	Bangkok
Chlordane *	ug/L	0.02	0.04	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B	Bangkok
delta-BHC *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B	Bangkok
Dieldrin *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B	Bangkok
Endosulfan I *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B	Bangkok

Technical Management

Sawitree N.

Sawitree Naisanglam
Manager

โทรศัพท์มือถือ 02-204-3-4709

Approved by

Kanokkorn Anek

Kanokkorn Anek
Senior Manager

โทรศัพท์มือถือ 02-204-3-6111

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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514158445

Project Name : Water Testing

Project Location : Map Ta Phut_PS (SPCL)



TESTING
No.0009

Lot ID: 2320305

Date Received : Mar 01, 2023

Date Reported : Mar 10, 2023

Report Number : 2574722-2

Page 3 of 3

Sample Number 2320305-1
Sampled Date Mar 01, 2023 11:00 AM
Sample Description Wastewater
Location จุฬาราชมนตรี (Outfall Pit)
Date Analysis Commenced Mar 02, 2023
Condition of Sample Contained in two amber glass bottles and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Pesticides - Organochlorine Group							
Endosulfan II *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B	Bangkok
Endrin *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B	Bangkok
Heptachlor *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B	Bangkok
Heptachlor-Epoxyde *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B	Bangkok
Lindane (gamma-BHC) *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B	Bangkok
Methoxychlor *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Pathompong Kornasawet โทร 09-323-9-9468, Thanasoun Namakunna โทร 09-204-9-8592

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Sawitree N.

Sawitree Naisangiam
Manager

โทร 09-204-9-4709

Approved by

Kanokorn Anek

Kanokorn Anek
Senior Manager

โทร 09-204-9-6111

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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514158445

Project Name : Water Testing

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2320305

Date Received : Mar 01, 2023

Date Reported : Mar 10, 2023

Report Number : 2574722-3

Page 1 of 1

Sample Number 2320305-1
Sampled Date Mar 01, 2023 11:00 AM
Sample Description Wastewater
Location จุฬาราชมนตรี (Outfall Pit)
Date Analysis Commenced Mar 02, 2023
Condition of Sample Contained in two amber glass bottles and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Pesticides - Organochlorine Group							
alpha-Chlordane	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B	Bangkok
gamma-Chlordane	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B	Bangkok
Hexachlorobenzene	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B	Bangkok
Mirex	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Pathompong Kornasawet , Thanasoun Namakunna

Remark :

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

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Approved by

Suwimon C.

Suwimon Chairuangwut
Scientist (2)

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Analysis / Test Report

Client : Siam Styrene Monomer Co., Ltd.
8, I-4 Road, Map Ta Phut Industrial Estate, Maptaphut, Muang, Rayong Thailand 21150
P/O : 4514155377
Project Name : Water Testing
Project Location: Map Ta Phut_EBSM (SSMC)



TESTING
No.0042
Lot ID: 2320339
Date Received : Mar 01, 2023
Date Reported : Mar 10, 2023
Report Number : 2574813-1

Page 1 of 2

Sample Number 2320339-1
Sampled Date Mar 01, 2023 11:00 AM
Sample Description Wastewater
Location Outfall
Date Analysis Commenced Mar 01, 2023
Condition of Sample Contained in six glass vials, two amber glass bottles and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	2.0	≤20	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Rayong
COD	mg/L	1.5	25	40	≤120	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	18	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	17	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Formaldehyde	mg/L	0.03	0.1	Not Detected	≤1.0	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed., 2004	Rayong
Oil & Grease *	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *	-	-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Phenol	mg/L	0.005	0.01	Not Detected	≤1.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong
Sulfide *	mg/L	-	0.5	<0.5	≤1.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-S2 (C, F)	Rayong

Technical Management

N. Banchoit

Narumon Banchoit
Supervisor
โทรศัพท์ ๖-323-๙-๙445

Approved by

D. Changchon

Dej Changchon
Senior Manager
โทรศัพท์ ๖-323-๙-๙442

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Analysis / Test Report

Client : Siam Styrene Monomer Co., Ltd.
8, I-4 Road, Map Ta Phut Industrial Estate, Maptaphut, Muang, Rayong Thailand 21150
P/O : 4514155377
Project Name : Water Testing
Project Location: Map Ta Phut_EBSM (SSMC)



TESTING
No.0042
Lot ID: 2320339
Date Received : Mar 01, 2023
Date Reported : Mar 10, 2023
Report Number : 2574813-1

Page 2 of 2

Sample Number 2320339-1
Sampled Date Mar 01, 2023 11:00 AM
Sample Description Wastewater
Location Outfall
Date Analysis Commenced Mar 01, 2023
Condition of Sample Contained in six glass vials, two amber glass bottles and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Temperature *	Degree C	-	-	30.2	≤40	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	796	≤3000	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	2.2	≤100	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	10	≤50	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Pathompong Kornasawat โทรศัพท์ ๖-323-๙-๙468 , Thanasoun Namakunna โทรศัพท์ ๖-204-๙-8592

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The Laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

N. Banchoit

Narumon Banchoit
Supervisor
โทรศัพท์ ๖-323-๙-๙445

Approved by

D. Changchon

Dej Changchon
Senior Manager
โทรศัพท์ ๖-323-๙-๙442

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Analysis / Test Report

Client : Siam Styrene Monomer Co., Ltd.
8, I-4 Road, Map Ta Phut Industrial Estate, Maptaphut, Muang, Rayong Thailand 21150
P/O : 4514155377
Project Name : Water Testing
Project Location: Map Ta Phut_EBMS (SSMC)



TESTING
No.0009
Lot ID: 2320339
Date Received : Mar 01, 2023
Date Reported : Mar 10, 2023
Report Number : 2574813-2

Page 1 of 2

Sample Number 2320339-1
Sampled Date Mar 01, 2023 11:00 AM
Sample Description Wastewater
Location Outfall
Date Analysis Commenced Mar 02, 2023
Condition of Sample Contained in six glass vials, two amber glass bottles and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.005	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.006	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
Lead	mg/L	0.0003	0.0005	0.004	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.10	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3112	Bangkok
Nickel	mg/L	0.0003	0.0005	0.007	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Technical Management

Sawitree N.
Sawitree Nolsangiam
Manager
โทร: 204-4-4709

Approved by

Kanokkorn Anek
Kanokkorn Anek
Senior Manager
โทร: 204-4-6111

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Analysis / Test Report

Client : Siam Styrene Monomer Co., Ltd.
8, I-4 Road, Map Ta Phut Industrial Estate, Maptaphut, Muang, Rayong Thailand 21150
P/O : 4514155377
Project Name : Water Testing
Project Location: Map Ta Phut_EBMS (SSMC)



TESTING
No.0009
Lot ID: 2320339
Date Received : Mar 01, 2023
Date Reported : Mar 10, 2023
Report Number : 2574813-2

Page 2 of 2

Sample Number 2320339-1
Sampled Date Mar 01, 2023 11:00 AM
Sample Description Wastewater
Location Outfall
Date Analysis Commenced Mar 02, 2023
Condition of Sample Contained in six glass vials, two amber glass bottles and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Trivalent Chromium *	mg/L	-	0.01	<0.01	≤0.75	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Zinc	mg/L	0.003	0.005	1.47	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Pathompong Kornasat โทร: 323-4-9468 ; Thanasoun Namakunna โทร: 204-4-8592

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Sawitree N.
Sawitree Nolsangiam
Manager
โทร: 204-4-4709

Approved by

Kanokkorn Anek
Kanokkorn Anek
Senior Manager
โทร: 204-4-6111

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Analysis / Test Report

Client : Siam Styrene Monomer Co., Ltd.
8, I-4 Road, Map Ta Phut Industrial Estate, Maptaphut, Muang, Rayong Thailand 21150
P/O : 4514155377
Project Name : Water Testing
Project Location : Map Ta Phut_EBSM (SSMC)



TESTING
No.0009

Lot ID: 2320339
Date Received : Mar 01, 2023
Date Reported : Mar 10, 2023
Report Number : 2574813-3

Page 1 of 4

Sample Number 2320339-1
Sampled Date Mar 01, 2023 11:00 AM
Sample Description Wastewater
Location Outfall
Date Analysis Commenced Mar 02, 2023
Condition of Sample Contained in six glass vials, two amber glass bottles and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Phosphorus	mg/L	0.03	0.05	1.16	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Volatile Organics Compounds							
1,1,1-Trichloroethane	ug/L	1.5	5	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6200 B	Bangkok
1,1,2-Trichloroethane	ug/L	1.5	5	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6200 B	Bangkok
1,1-Dichloroethylene	ug/L	1.5	5	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6200 B	Bangkok
1,2-Dichloroethane	ug/L	1.5	5	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6200 B	Bangkok
1,3-Dichloropropane *	ug/L	1.5	5	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6200 B	Bangkok
Benzene	ug/L	1.5	5	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6200 B	Bangkok
Bromodichloromethane *	ug/L	0.2	0.5	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6200 B	Bangkok
Bromoform *	ug/L	0.2	0.5	2.5	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6200 B	Bangkok

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Approved by

Savitree N.
Savitree Nolsangiam
Manager

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Analysis / Test Report

Client : Siam Styrene Monomer Co., Ltd.
8, I-4 Road, Map Ta Phut Industrial Estate, Maptaphut, Muang, Rayong Thailand 21150
P/O : 4514155377
Project Name : Water Testing
Project Location : Map Ta Phut_EBSM (SSMC)



TESTING
No.0009

Lot ID: 2320339
Date Received : Mar 01, 2023
Date Reported : Mar 10, 2023
Report Number : 2574813-3

Page 2 of 4

Sample Number 2320339-1
Sampled Date Mar 01, 2023 11:00 AM
Sample Description Wastewater
Location Outfall
Date Analysis Commenced Mar 02, 2023
Condition of Sample Contained in six glass vials, two amber glass bottles and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Volatile Organics Compounds							
Carbon tetrachloride	ug/L	1.5	5	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6200 B	Bangkok
Chloroform *	ug/L	0.2	0.5	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6200 B	Bangkok
cis-1,2-Dichloroethylene	ug/L	1.5	5	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6200 B	Bangkok
Dibromochloromethane *	ug/L	0.2	0.5	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6200 B	Bangkok
Ethylbenzene	ug/L	1.5	5	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6200 B	Bangkok
Hexachlorobutadiene *	ug/L	1.5	5	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6200 B	Bangkok
Methyl Chloride *	ug/L	1.5	5	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6200 B	Bangkok
Methylene Chloride (Dichloromethane)	ug/L	1.5	5	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6200 B	Bangkok
Styrene	ug/L	1.5	5	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6200 B	Bangkok

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Approved by

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Savitree Nolsangiam
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Analysis / Test Report

Client : Siam Styrene Monomer Co., Ltd.
8, I-4 Road, Map Ta Phut Industrial Estate, Maptaphut, Muang, Rayong Thailand 21150
P/O : 4514155377
Project Name : Water Testing
Project Location : Map Ta Phut_EBSM (SSMC)



TESTING
No.0009
Lot ID: 2320339
Date Received : Mar 01, 2023
Date Reported : Mar 10, 2023
Report Number : 2574813-3

Page 3 of 4

Sample Number 2320339-1
Sampled Date Mar 01, 2023 11:00 AM
Sample Description Wastewater
Location Outfall
Date Analysis Commenced Mar 02, 2023
Condition of Sample Contained in six glass vials, two amber glass bottles and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Volatile Organics Compounds							
Tetrachloroethylene	ug/L	1.5	5	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6200 B	Bangkok
Toluene	ug/L	1.5	5	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6200 B	Bangkok
Total Trihalomethanes *	ug/L	0.2	1	2.5	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6200 B	Bangkok
Total Xylene	ug/L	1.5	5	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6200 B	Bangkok
trans-1,2-Dichloroethylene	ug/L	1.5	5	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6200 B	Bangkok
Trichloroethylene	ug/L	1.5	5	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6200 B	Bangkok
Vinyl chloride (Chloroethylene)	ug/L	1.5	5	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6200 B	Bangkok
Water Testing							
Total Organic Carbon *	mg/L	0.01	0.1	12.1	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

Guideline : Effluent standard for factories, Industrial estate and Industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Pathompong Kornasawat , Thanasoun Namakunna

Remark :
- LOD : Limit of Detection

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Approved by

Sawitree N.

Sawitree Naisanglam
Manager

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Analysis / Test Report

Client : Siam Styrene Monomer Co., Ltd.
8, I-4 Road, Map Ta Phut Industrial Estate, Maptaphut, Muang, Rayong Thailand 21150
P/O : 4514155377
Project Name : Water Testing
Project Location : Map Ta Phut_EBSM (SSMC)



TESTING
No.0009
Lot ID: 2320339
Date Received : Mar 01, 2023
Date Reported : Mar 10, 2023
Report Number : 2574813-3

Page 4 of 4

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Approved by

Sawitree N.

Sawitree Naisanglam
Manager

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514144337

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)



TESTING
No.0042

Lot ID: 2320252

Date Received : Mar 01, 2023

Date Reported : Mar 10, 2023

Report Number : 2574477-1

Page 1 of 1

Sample Number	2320252-1
Sampled Date	Mar 01, 2023 8:05 PM
Sample Description	Wastewater
Location	Domestic Inlet
Date Analysis Commenced	Mar 01, 2023
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
BOD (5 days at 20 Degree C)	mg/L	-	2.0	152	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Rayong
COD	mg/L	1.5	25	395	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Oil & Grease *	mg/L	-	3	10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *		-	-	8.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	29.7	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	530	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	195	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	80	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Sampling By : Pathompong Kornasawat โทร: 09-323-9-9468 , Thanasoun Namakunna โทร: 09-324-9-8592

Remark :

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Technical Management

N. Banphit

Narumon Banphongkit

Supervisor

โทร: 09-323-9-9445

Approved by

D. Changchon

Dej Changchon

Senior Manager

โทร: 09-323-9-9442

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514144337

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)

Lot ID: 2320252

Date Received : Mar 01, 2023

Date Reported : Mar 10, 2023

Report Number : 2574477-2

Page 1 of 1

Sample Number	2320252-1
Sampled Date	Mar 01, 2023 8:05 PM
Sample Description	Wastewater
Location	Domestic Inlet
Date Analysis Commenced	Mar 03, 2023
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
Total Organic Carbon	mg/L	0.01	0.1	87.6	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

Sampling By : Pathompong Kornasawat , Thanasoun Namakunna

Remark :

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

Approved by

N. Salseng

Narin Salseng

Supervisor

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4514144337
Project Name : Water Testing
Project Location : Map Ta Phut, Latex (SSLC)



TESTING
No.0042
Lot ID: 2320256
Date Received : Mar 01, 2023
Date Reported : Mar 10, 2023
Report Number : 2574486-1

Page 1 of 2

Sample Number	2320256-1						
Sampled Date	Mar 01, 2023 10:00 AM						
Sample Description	Wastewater						
Location	Domestic Outlet						
Date Analysis Commenced	Mar 01, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	3.8	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Rayong
COD	mg/L	1.5	25	31	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	29	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	29	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease *	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *	-	-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.8	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	412	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	4.2	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong

Technical Management

N. Banphit

Narumon Banphongkit
Supervisor
โทร 09-9445-323

Approved by

D. Chongchon

Dej Chongchon
Senior Manager
โทร 09-9445-323

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4514144337
Project Name : Water Testing
Project Location : Map Ta Phut, Latex (SSLC)



TESTING
No.0042
Lot ID: 2320256
Date Received : Mar 01, 2023
Date Reported : Mar 10, 2023
Report Number : 2574486-1

Page 2 of 2

Sample Number	2320256-1						
Sampled Date	Mar 01, 2023 10:00 AM						
Sample Description	Wastewater						
Location	Domestic Outlet						
Date Analysis Commenced	Mar 01, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Pathompong Kornasawat โทร 09-9468-323, Thanasoun Namakunna โทร 09-9468-204

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

Technical Management

N. Banphit

Narumon Banphongkit
Supervisor
โทร 09-9445-323

Approved by

D. Chongchon

Dej Chongchon
Senior Manager
โทร 09-9445-323

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514144337

Project Name : Water Testing

Project Location: Map Ta Phut_Latex (SSLC)

Lot ID: 2320256

Date Received : Mar 01, 2023

Date Reported : Mar 10, 2023

Report Number : 2574486-2

Page 1 of 1

Sample Number	2320256-1						
Sampled Date	Mar 01, 2023 10:00 AM						
Sample Description	Wastewater						
Location	Domestic Outlet						
Date Analysis Commenced	Mar 03, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Organic Carbon	mg/L	0.01	0.1	6.42	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Pathompong Kornasawat , Thanasoun Namakunna

Remark :

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

Approved by

Narin Salseng

Narin Salseng
Supervisor

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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514158445

Project Name : Water Testing

Project Location: Map Ta Phut_PS (SPCL)



TESTING

No.0042

Lot ID: 2329623

Date Received : Apr 05, 2023

Date Reported : Apr 12, 2023

Report Number : 2595593-1

Page 1 of 2

Sample Number	2329623-1						
Sampled Date	Apr 05, 2023 9:45 AM						
Sample Description	Wastewater						
Location	ES-1890						
Date Analysis Commenced	Apr 05, 2023						
Condition of Sample	Contained in two glass vials, two amber glass bottles and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Rayong
COD	mg/L	1.5	25	28	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	10	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	10	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease *	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *	-	-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	32.1	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	664	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	6	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Technical Management

N. Banphit

Narumon Banphongkit

Supervisor

โทร: 09-0999 7-323-9-9445

Approved by

D. Chuanon

Dej Changchon

Senior Manager

โทร: 09-0999 7-323-9-9442

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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4514158445
Project Name : Water Testing
Project Location : Map Ta Phut_PS (SPCL)



TESTING
No.0042
Lot ID: 2329623
Date Received : Apr 05, 2023
Date Reported : Apr 12, 2023
Report Number : 2595593-1

Page 2 of 2

Sampling By : Wanlop Hunchainaw ทนายณฐกร ว-323-9-9457 , Thanasoun Namakunna ทนายณฐกร ว-204-9-8592

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

N. Banphat

Narumon Banphongkit
Supervisor
ทนายณฐกร ว-323-9-9445

Approved by

D. Chongchun

Dej Changchun
Senior Manager
ทนายณฐกร ว-323-9-9442

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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4514158445
Project Name : Water Testing
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2329623
Date Received : Apr 05, 2023
Date Reported : Apr 12, 2023
Report Number : 2595593-2

Page 1 of 1

Sample Number	2329623-1						
Sampled Date	Apr 05, 2023 9:45 AM						
Sample Description	Wastewater						
Location	ES-1890						
Date Analysis Commenced	Apr 07, 2023						
Condition of Sample	Contained in two glass vials, two amber glass bottles and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Organic Carbon	mg/L	0.01	0.1	8.78	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Wanlop Hunchainaw , Thanasoun Namakunna

Remark :

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

Approved by

Nant Somb

Nanthawadee Sornboon
Specialist 1

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Analysis / Test Report



TESTING
No.0042

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4514144337
Project Name : Water Testing
Project Location : Map Ta Phut_Latex (SSLC)

Lot ID: 2329614
Date Received : Apr 05, 2023
Date Reported : Apr 12, 2023
Report Number : 2595703-1

Page 1 of 1

Sample Number	2329614-1					
Sampled Date	Apr 05, 2023 9:35 AM					
Sample Description	Wastewater					
Location	Domestic Inlet					
Date Analysis Commenced	Apr 05, 2023					
Condition of Sample	Contained in two glass vials, two amber glass bottles and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)					
Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
BOD (5 days at 20 Degree C)	mg/L	-	2.0	88.3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Rayong
COD	mg/L	1.5	25	358	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Oil & Grease *	mg/L	-	3	14	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *		-	-	7.8	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (8)	Rayong
Temperature *	Degree C	-	-	31.7	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	424	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	139	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	125	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Sampling By : Wanlop Hunchainaw ๖-323-๙-9457, Thanasoun Namakunna ๖-204-๙-8592

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

N. Banchoikit

Narumon Banchoikit
Supervisor
๖-323-๙-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager
๖-323-๙-9442

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4514144337
Project Name : Water Testing
Project Location : Map Ta Phut_Latex (SSLC)

Lot ID: 2329614
Date Received : Apr 05, 2023
Date Reported : Apr 12, 2023
Report Number : 2595703-2

Page 1 of 1

Sample Number	2329614-1					
Sampled Date	Apr 05, 2023 9:35 AM					
Sample Description	Wastewater					
Location	Domestic Inlet					
Date Analysis Commenced	Apr 07, 2023					
Condition of Sample	Contained in two glass vials, two amber glass bottles and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)					
Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
Total Organic Carbon	mg/L	0.01	0.1	51.6	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

Sampling By : Wanlop Hunchainaw, Thanasoun Namakunna

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

Approved by

Nant Somb

Nanthawadee Sombon
Specialist 1

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4514144337
Project Name : Water Testing
Project Location : Map Ta Phut_Latex (SSLC)



TESTING
No.0042

Lot ID: 2329618
Date Received : Apr 05, 2023
Date Reported : Apr 12, 2023
Report Number : 2595576-1

Page 1 of 2

Sample Number 2329618-1
Sampled Date Apr 05, 2023 9:30 AM
Sample Description Wastewater
Location Domestic Outlet
Date Analysis Commenced Apr 05, 2023
Condition of Sample Contained in two glass vials, two amber glass bottles and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Rayong
COD	mg/L	1.5	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	13	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	13	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease *	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *		-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	32.1	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	290	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	6.2	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Nitrogen (C), part NHD (D)	Rayong

Technical Management

N. Banchoi

Narumon Banchoikit
Supervisor
หมายเลขโทรศัพท์ 3-323-9-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager
หมายเลขโทรศัพท์ 3-323-9-9442

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4514144337
Project Name : Water Testing
Project Location : Map Ta Phut_Latex (SSLC)



TESTING
No.0042

Lot ID: 2329618
Date Received : Apr 05, 2023
Date Reported : Apr 12, 2023
Report Number : 2595576-1

Page 2 of 2

Sample Number 2329618-1
Sampled Date Apr 05, 2023 9:30 AM
Sample Description Wastewater
Location Domestic Outlet
Date Analysis Commenced Apr 05, 2023
Condition of Sample Contained in two glass vials, two amber glass bottles and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	6	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Note : Raw data of COD value (Refer to Lot ID 2329618-1) is 14.9 mg/L

Sampling By : Wanlop Hunchanaow หมายเลขโทรศัพท์ 3-323-9-9457, Thanasoun Namakunna หมายเลขโทรศัพท์ 3-204-9-8592

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

N. Banchoi

Narumon Banchoikit
Supervisor
หมายเลขโทรศัพท์ 3-323-9-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager
หมายเลขโทรศัพท์ 3-323-9-9442

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514144337

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)

Lot ID: 2329618

Date Received : Apr 05, 2023

Date Reported : Apr 12, 2023

Report Number : 2595576-2

Page 1 of 1

Sample Number	2329618-1
Sampled Date	Apr 05, 2023 9:30 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Apr 07, 2023
Condition of Sample	Contained in two glass vials, two amber glass bottles and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Organic Carbon	mg/L	0.01	0.1	4.08	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Note : Raw data of COD value (Refer to Lot ID 2329618-1) is 14.9 mg/L

Sampling By : Wanlop Hunchanaow , Thanasoun Namakunna

Remark :

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

Approved by

Nant Somb

Nanthawadee Somboon
Specialist I

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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514158445

Project Name : Water Testing

Project Location : Map Ta Phut_PS (SPCL)



TESTING

No.0042

Lot ID: 2347488

Date Received : May 02, 2023

Date Reported : May 11, 2023

Report Number : 2634985-1

Page 1 of 2

Sample Number	2347488-1
Sampled Date	May 02, 2023 10:25 AM
Sample Description	Wastewater
Location	ES-1890
Date Analysis Commenced	May 02, 2023
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Rayong
COD	mg/L	1.5	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	10	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	9	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease *	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *		-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	32.2	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	560	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	8	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Technical Management

N. Banchoangkit

Narumon Banchoangkit

Supervisor

โทรศัพท์มือถือ 1-323-9-9445

Approved by

D. Changchon

Dej Changchon

Senior Manager

โทรศัพท์มือถือ 1-323-9-9442

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7791-41/ (THAI)

S:\Reports\AI_GL\pt (3-23)\PH



Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514158445

Project Name : Water Testing

Project Location : Map Ta Phut_PS (SPCL)



TESTING
No.0042

Lot ID: 2347488

Date Received : May 02, 2023

Date Reported : May 11, 2023

Report Number : 2634985-1

Page 2 of 2

Note : Raw data of COD value (Refer to Lot ID 2347488-1) is 24.8 mg/L

Sampling By : Wanlop Hunchainaoวณโปนนายทว-323-ก-9457, Thanasoun Namakunna ทนายนนายทว-204-ก-8592

Remark :

- LOD : Limit of Detection
- "c" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

N. Banongkit

Narumon Banhongkit
Supervisor

ทณณนายทว-323-ก-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager

ทณณนายทว-323-ก-9442

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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514158445

Project Name : Water Testing

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2347488

Date Received : May 02, 2023

Date Reported : May 11, 2023

Report Number : 2634985-2

Page 1 of 1

Sample Number 2347488-1

Sampled Date May 02, 2023 10:25 AM

Sample Description Wastewater

Location ES-1890

Date Analysis Commenced May 05, 2023

Condition of Sample Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Organic Carbon	mg/L	0.01	0.1	7.41	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Note : Raw data of COD value (Refer to Lot ID 2347488-1) is 24.8 mg/L

Sampling By : Wanlop Hunchainaoวณโปนนายทว, Thanasoun Namakunna

Remark :

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

Approved by

Siriluk P.

Siriluk Puengpang
Supervisor

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Analysis / Test Report



TESTING
No.0042

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4514144337
Project Name : Water Testing
Project Location : Map Ta Phut_Latex (SSLC)

Lot ID: 2347473
Date Received : May 02, 2023
Date Reported : May 11, 2023
Report Number : 2634952-1

Page 1 of 1

Sample Number	2347473-1					
Sampled Date	May 02, 2023 10:05 AM					
Sample Description	Wastewater					
Location	Domestic Inlet					
Date Analysis Commenced	May 02, 2023					
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)					
Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
BOD (5 days at 20 Degree C)	mg/L	-	2.0	168	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Rayong
COD	mg/L	1.5	25	390	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Oil & Grease *	mg/L	-	3	20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *		-	-	7.9	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	32.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	480	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	65	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Sampling By : Wanlop Hunchainaow โทร 09-323-3-9457 , Thanasoun Namakunna โทร 09-204-3-8592

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

N. Banchongkit

Narumon Banchongkit
Supervisor
โทร 09-323-3-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager
โทร 09-323-3-9442

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4514144337
Project Name : Water Testing
Project Location : Map Ta Phut_Latex (SSLC)

Lot ID: 2347473
Date Received : May 02, 2023
Date Reported : May 11, 2023
Report Number : 2634952-2

Page 1 of 1

Sample Number	2347473-1					
Sampled Date	May 02, 2023 10:05 AM					
Sample Description	Wastewater					
Location	Domestic Inlet					
Date Analysis Commenced	May 05, 2023					
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)					
Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
Total Organic Carbon	mg/L	0.01	0.1	77.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

Sampling By : Wanlop Hunchainaow , Thanasoun Namakunna

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

Approved by

Nant Sombon

Nanthawadee Sombon
Specialist I

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4514144337
Project Name : Water Testing
Project Location : Map Ta Phut_Latex (SSLC)



TESTING
No.0042

Lot ID: 2347474
Date Received : May 02, 2023
Date Reported : May 16, 2023
Report Number : 2634970-1

Page 1 of 2

Sample Number	2347474-1						
Sampled Date	May 02, 2023 10:00 AM						
Sample Description	Wastewater						
Location	Domestic Outlet						
Date Analysis Commenced	May 02, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	3.8	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Rayong
COD	mg/L	1.5	25	31	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	18	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	18	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease *	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *		-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	33.5	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	324	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	2.3	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong

Technical Management

N. Banphit

Narumon Banchongkit
Supervisor
โทร: 09-323-9445

Approved by

D. Chanchon

Dej Chanchon
Senior Manager
โทร: 09-323-9442

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4514144337
Project Name : Water Testing
Project Location : Map Ta Phut_Latex (SSLC)



TESTING
No.0042

Lot ID: 2347474
Date Received : May 02, 2023
Date Reported : May 16, 2023
Report Number : 2634970-1

Page 2 of 2

Sample Number	2347474-1						
Sampled Date	May 02, 2023 10:00 AM						
Sample Description	Wastewater						
Location	Domestic Outlet						
Date Analysis Commenced	May 02, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	21	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Wanlop Hunchanaow โทร: 09-323-9457, Thanassoun Namakunna โทร: 09-204-8592

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

N. Banphit

Narumon Banchongkit
Supervisor
โทร: 09-323-9445

Approved by

D. Chanchon

Dej Chanchon
Senior Manager
โทร: 09-323-9442

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514144337

Project Name : Water Testing

Project Location: Map Ta Phut_Latex (SSLC)

Lot ID: 2347474

Date Received : May 02, 2023

Date Reported : May 11, 2023

Report Number : 2634970-2

Page 1 of 1

Sample Number	2347474-1
Sample Date	May 02, 2023 10:00 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	May 05, 2023
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Organic Carbon	mg/L	0.01	0.1	5.63	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

Guideline: Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Wanlop Hunchalaeow, Thanasoun Namakunna

Remark :

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

Approved by

Siriluk P.

Siriluk Puengpang
Supervisor

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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514158445

Project Name : Water Testing

Project Location: Map Ta Phut_PS (SPCL)



TESTING

No.0042

Lot ID: 2359881

Date Received : Jun 07, 2023

Date Reported : Jun 15, 2023

Report Number : 2660280-1

Page 1 of 2

Sample Number	2359881-1
Sample Date	Jun 07, 2023 10:30 AM
Sample Description	Wastewater
Location	ES-1890
Date Analysis Commenced	Jun 07, 2023
Condition of Sample	Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	11	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	10	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease *	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *	-	-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	31.1	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	260	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Technical Management

N. Banphit

Naaron Banphongkit
Supervisor
โทรศัพท์ 03-323-9-9445

Approved by

D. Chanchon

Dej Chanchon
Senior Manager
โทรศัพท์ 03-323-9-9442

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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514158445

Project Name : Water Testing

Project Location : Map Ta Phut_PS (SPCL)



TESTING

No.0042

Lot ID: 2359881

Date Received : Jun 07, 2023

Date Reported : Jun 15, 2023

Report Number : 2660280-1

Page 2 of 2

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Note : Raw data of COD value (Refer to Lot ID 2359881-1) is 16.1 mg/L

Sampling By : Wanlop Hunchalaoow รหัสพนักงาน 323-9-9457, Pattarapol Sawangjaitam รหัสพนักงาน 3204-9-0002

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

N. Banphit

Narumon Banchongkit
Supervisor

รหัสพนักงาน 323-9-9445

Approved by

D. Chuan

Dej Changchon
Senior Manager

รหัสพนักงาน 323-9-9442

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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514158445

Project Name : Water Testing

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2359881

Date Received : Jun 07, 2023

Date Reported : Jun 15, 2023

Report Number : 2660280-2

Page 1 of 1

Sample Number 2359881-1

Sample Date Jun 07, 2023 10:30 AM

Sample Description Wastewater

Location ES-1890

Date Analysis Commenced Jun 09, 2023

Condition of Sample Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Organic Carbon	mg/L	0.01	0.1	4.81	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Note : Raw data of COD value (Refer to Lot ID 2359881-1) is 16.1 mg/L

Sampling By : Wanlop Hunchalaoow , Pattarapol Sawangjaitam

Remark :

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

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Approved by

Siriluk P.

Siriluk Puengpang
Section Head

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514144337

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLIC)



TESTING
No.0042

Lot ID: 2359873

Date Received : Jun 07, 2023

Date Reported : Jun 15, 2023

Report Number : 2660240-1

Page 1 of 1

Sample Number	2359873-1
Sampled Date	Jun 07, 2023 10:17 AM
Sample Description	Wastewater
Location	Domestic Inlet
Date Analysis Commenced	Jun 07, 2023
Condition of Sample	Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
BOD (5 days at 20 Degree C)	mg/L	-	2.0	61.7	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	153	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Oil & Grease *	mg/L	-	3	8	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *	-	-	-	7.9	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.9	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	276	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	117	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	58	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Sampling By : Wanlop Hunchainaow โทร 09-323-9-9457 , Pattarapol Sawangjaitam โทร 09-204-9-0002

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

N. Banphit

Narumon Banchongkit
Supervisor
โทร 09-323-9-9445

Approved by

D. Chongchon

Dej Changchon
Senior Manager
โทร 09-323-9-9442

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514144337

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLIC)

Lot ID: 2359873

Date Received : Jun 07, 2023

Date Reported : Jun 15, 2023

Report Number : 2660240-2

Page 1 of 1

Sample Number	2359873-1
Sampled Date	Jun 07, 2023 10:17 AM
Sample Description	Wastewater
Location	Domestic Inlet
Date Analysis Commenced	Jun 09, 2023
Condition of Sample	Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
Total Organic Carbon	mg/L	0.01	0.1	21.8	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

Sampling By : Wanlop Hunchainaow , Pattarapol Sawangjaitam

Remark :

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

Approved by

Siriluk P.

Siriluk Puengpang
Section Head

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514144337

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)

TESTING
No.0042

Lot ID: 2359874

Date Received : Jun 07, 2023

Date Reported : Jun 16, 2023

Report Number : 2660271-1

Page 1 of 2

Sample Number	2359874-1						
Sampled Date	Jun 07, 2023 10:15 AM						
Sample Description	Wastewater						
Location	Domestic Outlet						
Date Analysis Commenced	Jun 07, 2023						
Condition of Sample	Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	4.6	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	30	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	20	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	21	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease *	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *		-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.2	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	286	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	9.2	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong

Technical Management

N. Banongkit

Narumon Banongkit
Supervisor

โทร: 09-00000000 0-323-9-9445

Approved by

D. Chongchon

Dej Chongchon
Senior Manager

โทร: 09-00000000 0-323-9-9442

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2359874

Date Received : Jun 07, 2023

Date Reported : Jun 16, 2023

Report Number : 2660271-1

Page 2 of 2

Client : Siam Synthetic Latex Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514144337

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)

Sample Number	2359874-1
Sampled Date	Jun 07, 2023 10:15 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Jun 07, 2023
Condition of Sample	Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	14	≤50	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Wanlop Hunchainaw โทร: 09-00000000 0-323-9-9457, Pattarapol Sawangjitam โทร: 09-00000000 0-204-9-0002

Remark :

- LOD : Limit of Detection
- "x" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked "x" are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

N. Banongkit

Narumon Banongkit
Supervisor

โทร: 09-00000000 0-323-9-9445

Approved by

D. Chongchon

Dej Chongchon
Senior Manager

โทร: 09-00000000 0-323-9-9442

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4514144337
Project Name : Water Testing
Project Location : Map Ta Phut_Latex (SSLC)

Lot ID: 2359874
Date Received : Jun 07, 2023
Date Reported : Jun 16, 2023
Report Number : 2660271-2

Page 1 of 1

Sample Number 2359874-1
Sampled Date Jun 07, 2023 10:15 AM
Sample Description Wastewater
Location Domestic Outlet
Date Analysis Commenced Jun 09, 2023
Condition of Sample Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Organic Carbon	mg/L	0.01	0.1	5.45	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Wanlop Hunchanaow , Pattarapol Sawangjaitam

Remark :

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Approved by

Nant Somb

Nanthawadee Somboon
Specialist 1

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ภาคผนวก ค-5

คุณภาพน้ำใต้ดิน



Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4512792880
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 21152911
Date Received : Aug 01, 2022
Date Reported : Aug 05, 2022
Report Number : 2192359-1

Page 1 of 1

Sample Number 21152911-1
Sampled Date Aug 01, 2022 11:25 AM
Sample Description Groundwater
Location MW-3 (Near Latex Plant)
Date Analysis Commenced Aug 02, 2022
Condition of Sample Contained in two glass vials, one amber glass bottle and one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing pH at 25 degree C	-	-	-	6.3	6.5-9.2 (I)	Based on APHA (2017), 4500-H (B)	Rayong

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

(I) : ในการดำเนินการประเมินของกรมสิ่งแวดล้อมเป็นกรณีพิเศษกรณีค่าที่ต่ำกว่าค่าที่กำหนดไว้ใช้ในการติดตามตรวจสอบการปนเปื้อนกับผลวิเคราะห์จากจุดเก็บตัวอย่างปนเปื้อนน้ำใต้ดินในโรงงานอุตสาหกรรมที่มีการปล่อยน้ำใต้ดินในพื้นที่ โดยค่าที่เลือกไปศึกษาจะต้องไม่เกินหนึ่งระดับ และไปอยู่นอกช่วงค่ากำหนดของในสูงที่สุดของมาตรฐานค่ากำหนดที่ในข้อคือ 6.5-9.2

Sampled By : Pathompong Kornasawat, Thanasoun Namakunna

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

Technical Management

Approved by

Dej Changchon

Dej Changchon
Senior Manager
เบอร์โทรศัพท์ 7-323-9442

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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4512792880
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 21152911
Date Received : Aug 01, 2022
Date Reported : Aug 09, 2022
Report Number : 2192359-2

Page 1 of 1

Sample Number 21152911-1
Sampled Date Aug 01, 2022 11:25 AM
Sample Description Groundwater
Location MW-3 (Near Latex Plant)
Date Analysis Commenced Aug 02, 2022
Condition of Sample Contained in two glass vials, one amber glass bottle and one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing Conductivity at 25 Degree C	micromhos/cm	-	0.5	307	No Standard	Based on APHA (2017), 2510 B	Rayong
Total Organic Carbon	mg/L	0.01	0.1	2.73	No Standard	Based on APHA (2017), 5310 B	Bangkok
Total Petroleum Hydrocarbon	mg/L	1	3	Not Detected	No Standard	Based on APHA (2017), 5520 F	Rayong

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

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

Approved by

Siriluk P.

Siriluk Puengpang
Supervisor

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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4512792880

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2294023

Date Received : Aug 03, 2022

Date Reported : Aug 11, 2022

Report Number : 2398817-1

Page 1 of 1

Sample Number	2294023-1
Sampled Date	Aug 03, 2022 5:00 PM
Sample Description	Groundwater
Location	MW-4 (Behind Warehouse)
Date Analysis Commenced	Aug 04, 2022
Condition of Sample	Contained in two glass vials, one amber glass bottle and one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
pH at 25 degree C		-	-	6.6	6.5-9.2 (I)	Based on APHA (2017), 4500-H (B)	Rayong

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

(I): ในกรณีที่มีการปนเปื้อนของสารหรือค่าใดก็ตามเกินกว่าค่าที่กำหนดไว้ในการติดตามตรวจสอบการปนเปื้อนกับผลวิเคราะห์จากจุดเก็บตัวอย่างต่อเนื่องซึ่งเกินค่าที่กำหนดไว้ในการติดตามตรวจสอบการปนเปื้อนในชั้นที่ โดยค่าที่เกินค่าที่กำหนดไว้จะส่งผลกระทบต่อสิ่งแวดล้อม และไม่มีผลกระทบต่อสุขภาพของประชาชน

มาตรฐานคุณภาพน้ำบาดาลที่ใช้มีค่าคือ 6.5-9.2

Sampled By : Pathompong Kornsawat, Thanasoun Namakunna

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

Technical Management

N. Banchongkit

Narumon Banchongkit
Supervisor
เบอร์โทรศัพท์ 0-323-9-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager
เบอร์โทรศัพท์ 0-323-9-9442

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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4512792880

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2294023

Date Received : Aug 03, 2022

Date Reported : Aug 11, 2022

Report Number : 2398817-2

Page 1 of 1

Sample Number	2294023-1
Sampled Date	Aug 03, 2022 5:00 PM
Sample Description	Groundwater
Location	MW-4 (Behind Warehouse)
Date Analysis Commenced	Aug 04, 2022
Condition of Sample	Contained in two glass vials, one amber glass bottle and one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Conductivity at 25 Degree C	micromhos/cm	-	0.5	653	No Standard	Based on APHA (2017), 2510 B	Rayong
Total Organic Carbon	mg/L	0.01	0.1	10.5	No Standard	Based on APHA (2017), 5310 B	Bangkok
Total Petroleum Hydrocarbon	mg/L	1	3	Not Detected	No Standard	Based on APHA (2017), 5520 F	Rayong

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampled By : Pathompong Kornsawat, Thanasoun Namakunna

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

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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4512792880
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2294023
Date Received : Aug 03, 2022
Date Reported : Aug 11, 2022
Report Number : 2398818-1

Page 1 of 1

Sample Number 2294023-2
Sampled Date Aug 03, 2022 4:20 PM
Sample Description Groundwater
Location MW-5 (Near PS Heater)
Date Analysis Commenced Aug 04, 2022
Condition of Sample Contained in two glass vials, one amber glass bottle and one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
pH at 25 degree C	-	-	-	7.4	6.5-9.2 (I)	Based on APHA (2017), 4500-H (8)	Rayong

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

(I): ในกรณีที่มีการปนเปื้อนของกรรณหรือค่าใดก็ตามเกินค่ามาตรฐานที่กำหนดไว้ในการศึกษาตรวจสอบการปนเปื้อนกับค่ามาตรฐานจากจุดเก็บตัวอย่างเพื่อใช้เป็นข้อมูลอ้างอิงบนทิศทางการไหลของน้ำใต้ดินในพื้นที่ โดยค่าที่เกินค่ามาตรฐานจะไม่ส่งผลกระทบต่อสิ่งแวดล้อม และไม่เป็นอุปสรรคต่อการแก้ไขปัญหามลพิษของภาคอุตสาหกรรมในพื้นที่ใกล้เคียง 6.5-9.2

Sampled By : Pathompong Kornasawat, Thanasoun Namakunna

Remark :

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

Technical Management

N. Banongkit

Narumon Banchoangkit
Supervisor
หมายเลขโทรศัพท์ 323-9445

Approved by

D. Chanchong

Dej Chanchong
Senior Manager
หมายเลขโทรศัพท์ 323-9442

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S:\Reports\AL_GL\94 (1-2294023)



Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4512792880
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2294023
Date Received : Aug 03, 2022
Date Reported : Aug 11, 2022
Report Number : 2398818-2

Page 1 of 1

Sample Number 2294023-2
Sampled Date Aug 03, 2022 4:20 PM
Sample Description Groundwater
Location MW-5 (Near PS Heater)
Date Analysis Commenced Aug 04, 2022
Condition of Sample Contained in two glass vials, one amber glass bottle and one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Conductivity at 25 Degree C	micromhos/cm	-	0.5	346	No Standard	Based on APHA (2017), 2510 B	Rayong
Total Organic Carbon	mg/L	0.01	0.1	2.24	No Standard	Based on APHA (2017), 5310 B	Bangkok
Total Petroleum Hydrocarbon	mg/L	1	3	<3	No Standard	Based on APHA (2017), 5520 F	Rayong

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampled By : Pathompong Kornasawat, Thanasoun Namakunna

Remark :

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

Approved by

N. Banongkit

Narumon Banchoangkit
Supervisor

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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4700033695

Project Name : Water Testing

Project Location: Map Ta Phut_PS (SPCL)

Lot ID: 21152897

Date Received : Aug 03, 2022

Date Reported : Aug 16, 2022

Report Number: 2401831-1 C8

Page 1 of 1

Sample Number	21152897-1						
Sampling Date	Aug 03, 2022 3:45 PM						
Sample Description	Groundwater						
Location	MW-6 (South Fence)						
Date Analysis Commenced	Aug 04, 2022						
Condition of Sample	Contained in six glass vials, five amber glass bottles and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
pH at 25 degree C		-	-	6.8	6.5-9.2 (I)	Based on APHA (2017), 4500-H (B)	Rayong

Guideline: Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

(I): ในกรณีที่การปนเปื้อนของกรดหรือด่างในดินหรือในน้ำที่พบจากการทดสอบด้วยค่า pH ที่ต่ำกว่า 6.5 หรือสูงกว่า 9.2 จะส่งผลต่อการเปลี่ยนแปลงของค่า pH ในดินหรือในน้ำ โดยค่า pH ที่พบจะเปลี่ยนแปลงหรือไม่เกินหนึ่งระดับ และจะไม่อยู่นอกช่วงค่า

เกณฑ์ของมาตรฐานคุณภาพน้ำบาดาลที่มีค่า pH 6.5-9.2

Sampling By : Pathompong Kornasawat, Thanasoun Namakunna

Remark :

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



Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4700033695

Project Name : Water Testing

Project Location: Map Ta Phut_PS (SPCL)

Lot ID: 21152897

Date Received : Aug 03, 2022

Date Reported : Aug 16, 2022

Report Number: 2401831-3 C8

Page 1 of 1

Sample Number	21152897-1						
Sampling Date	Aug 03, 2022 3:45 PM						
Sample Description	Groundwater						
Location	MW-6 (South Fence)						
Date Analysis Commenced	Aug 04, 2022						
Condition of Sample	Contained in six glass vials, five amber glass bottles and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Conductivity at 25 Degree C	micromhos/cm	-	0.5	601	No Standard	Based on APHA (2017), 2510 B	Rayong
Total Organic Carbon	mg/L	0.01	0.1	7.57	No Standard	Based on APHA (2017), 5310 B	Bangkok
Total Petroleum Hydrocarbon	mg/L	1	3	Not Detected	No Standard	Based on APHA (2017), 5520 F	Rayong

Guideline: Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampling By : Pathompong Kornasawat, Thanasoun Namakunna

Remark :

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Approved by

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Dej Changchon
Senior Manager

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ภาคผนวก ค-6

คุณภาพอากาศในสภาพแวดล้อมการทำงาน



Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand
21150
P/O : 4514158445
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2348296
Date Received : May 29, 2023
Date Reported : Jun 07, 2023
Report Number : 2636577-1

Page 1 of 5

Sample Number 2348296-1
Sampled Date May 25, 2023
Sample Description Air Quality
Location RM Preparation
Date Analysis Commenced May 27, 2023
Condition of Sample Drawn into one filter paper placed in plastic cassette, one 10-L air sampling bag and one sorbent tube, refrigerated
Barometric Pressure 758 mmHg
Atmospheric Temperature 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Methane as Propane	11:00 AM - 11:20 AM	ppm	-	0.33	1.00	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Non Methane Hydrocarbon as Propane	11:00 AM - 11:20 AM	ppm	-	0.33	0.65	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Styrene	10:50 AM - 12:50 PM	ppm	-	0.05	<0.05	100	Based on NIOSH (2003), 1501	MOL	Bangkok
Total Dust	10:50 AM - 12:50 PM	mg/m3	-	0.15	<0.15	15	Based on NIOSH (1994), 0500	OSHA	Rayong
Total Hydrocarbon as Propane	11:00 AM - 11:20 AM	ppm	-	0.33	1.65	No Standard	Total Hydrocarbon Analyzer	-	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)
OSHA : Occupational Safety and Health Administration
Sampled By : Tinnakorn Kulchart

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

Approved by

Saranya C.

Saranya Chalermthamrong
Scientist (4)

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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand
21150
P/O : 4514158445
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2348296
Date Received : May 29, 2023
Date Reported : Jun 07, 2023
Report Number : 2636577-1

Page 2 of 5

Sample Number 2348296-2
Sampled Date May 25, 2023
Sample Description Air Quality
Location Polymerization
Date Analysis Commenced May 27, 2023
Condition of Sample Drawn into one filter paper placed in plastic cassette, one 10-L air sampling bag and one sorbent tube, refrigerated
Barometric Pressure 758 mmHg
Atmospheric Temperature 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Methane as Propane	11:20 AM - 11:40 AM	ppm	-	0.33	1.00	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Non Methane Hydrocarbon as Propane	11:20 AM - 11:40 AM	ppm	-	0.33	0.57	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Styrene	10:45 AM - 12:45 PM	ppm	-	0.05	<0.05	100	Based on NIOSH (2003), 1501	MOL	Bangkok
Total Dust	10:45 AM - 12:45 PM	mg/m3	-	0.15	<0.15	15	Based on NIOSH (1994), 0500	OSHA	Rayong
Total Hydrocarbon as Propane	11:20 AM - 11:40 AM	ppm	-	0.33	1.57	No Standard	Total Hydrocarbon Analyzer	-	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)
OSHA : Occupational Safety and Health Administration
Sampled By : Tinnakorn Kulchart

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

Approved by

Saranya C.

Saranya Chalermthamrong
Scientist (4)

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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand
21150

P/O : 4514158445

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2348296

Date Received : May 29, 2023

Date Reported : Jun 07, 2023

Report Number : 2636577-1

Page 3 of 5

Sample Number 2348296-3
Sampled Date May 25, 2023
Sample Description Air Quality
Location Devolatilization
Date Analysis Commenced May 27, 2023
Condition of Sample Drawn into one filter paper placed in plastic cassette, one 10-L air sampling bag and one sorbent tube, refrigerated
Barometric Pressure 758 mmHg
Atmospheric Temperature 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Methane as Propane	11:00 AM - 11:20 AM	ppm	-	0.33	1.01	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Non Methane Hydrocarbon as Propane	11:00 AM - 11:20 AM	ppm	-	0.33	0.56	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Styrene	11:00 AM - 01:00 PM	ppm	-	0.05	<0.05	100	Based on NIOSH (2003), 1501	MOL	Bangkok
Total Dust	11:00 AM - 01:00 PM	mg/m3	-	0.15	<0.15	15	Based on NIOSH (1994), 0500	OSHA	Rayong
Total Hydrocarbon as Propane	11:00 AM - 11:20 AM	ppm	-	0.33	1.57	No Standard	Total Hydrocarbon Analyzer	-	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)

OSHA : Occupational Safety and Health Administration

Sampled By : Tinnakorn Kukchart

Remark :

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

Approved by

Saranya C.

Saranya Chakermthamrong
Scientist (4)

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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand
21150

P/O : 4514158445

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2348296

Date Received : May 29, 2023

Date Reported : Jun 07, 2023

Report Number : 2636577-1

Page 4 of 5

Sample Number 2348296-4
Sampled Date May 25, 2023
Sample Description Air Quality
Location Finishing
Date Analysis Commenced May 27, 2023
Condition of Sample Drawn into one filter paper placed in plastic cassette, one 10-L air sampling bag and one sorbent tube, refrigerated
Barometric Pressure 758 mmHg
Atmospheric Temperature 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Methane as Propane	11:30 AM - 11:50 AM	ppm	-	0.33	1.00	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Non Methane Hydrocarbon as Propane	11:30 AM - 11:50 AM	ppm	-	0.33	0.33	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Styrene	10:10 AM - 12:10 PM	ppm	-	0.05	<0.05	100	Based on NIOSH (2003), 1501	MOL	Bangkok
Total Dust	10:10 AM - 12:10 PM	mg/m3	-	0.15	<0.15	15	Based on NIOSH (1994), 0500	OSHA	Rayong
Total Hydrocarbon as Propane	11:30 AM - 11:50 AM	ppm	-	0.33	1.33	No Standard	Total Hydrocarbon Analyzer	-	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)

OSHA : Occupational Safety and Health Administration

Sampled By : Tinnakorn Kukchart

Remark :

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

Approved by

Saranya C.

Saranya Chakermthamrong
Scientist (4)

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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand
21150
P/O : 4514158445
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2348296
Date Received : May 29, 2023
Date Reported : Jun 07, 2023
Report Number : 2636577-1

Page 5 of 5

Sample Number 2348296-5
Sampled Date May 25, 2023
Sample Description Air Quality
Location Packaging
Date Analysis Commenced May 27, 2023
Condition of Sample Drawn into one filter paper placed in plastic cassette, one 10-L air sampling bag and one sorbent tube, refrigerated
Barometric Pressure 758 mmHg
Atmospheric Temperature 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Methane as Propane	11:20 AM - 11:40 AM	ppm	-	0.33	1.03	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Non Methane Hydrocarbon as Propane	11:20 AM - 11:40 AM	ppm	-	0.33	0.75	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Styrene	10:20 AM - 12:20 PM	ppm	-	0.05	<0.05	100	Based on NIOSH (2003), 1501	MOL	Bangkok
Total Dust	10:20 AM - 12:20 PM	mg/m3	-	0.15	<0.15	15	Based on NIOSH (1994), 0500	OSHA	Rayong
Total Hydrocarbon as Propane	11:20 AM - 11:40 AM	ppm	-	0.33	1.78	No Standard	Total Hydrocarbon Analyzer	-	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)
OSHA : Occupational Safety and Health Administration
Sampled By : Tinnakorn Kulchart

Remark :
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Approved by

Saranya C.

Saranya Chalerthamrong
Scientist (4)

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Analysis / Test Report

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8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand
21150
P/O : 4514158445
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2321270
Date Received : Mar 15, 2023
Date Reported : Mar 22, 2023
Report Number : 2577490-1

Page 1 of 5

Sample Number 2321270-1
Sampled Date Mar 14, 2023
Sample Description Air Quality
Location RM Preparation
Date Analysis Commenced Mar 15, 2023
Condition of Sample Drawn into one filter paper placed in plastic petri dish, one plastic bottle, one 10-L air sampling bag and one sorbent tube, refrigerated
Barometric Pressure 757 mmHg
Atmospheric Temperature 31.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Methane as Propane	11:10 AM - 11:30 AM	ppm	-	0.33	1.05	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Non Methane Hydrocarbon as Propane	11:10 AM - 11:30 AM	ppm	-	0.33	0.45	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Styrene	09:50 AM - 11:50 AM	ppm	-	0.05	<0.05	100	Based on NIOSH (2003), 1501	MOL	Bangkok
Total Dust	09:50 AM - 11:50 AM	mg/m3	-	0.15	<0.15	15	Based on NIOSH (1994), 0500	OSHA	Rayong
Total Hydrocarbon as Propane	11:10 AM - 11:30 AM	ppm	-	0.33	1.50	No Standard	Total Hydrocarbon Analyzer	-	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)
OSHA : Occupational Safety and Health Administration
Sampled By : Natthapon Jiengwareewong

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

Approved by

Orawan R.

Orawan Rakying
Scientist (3)

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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand
21150
P/O : 4514158445
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2321270
Date Received : Mar 15, 2023
Date Reported : Mar 22, 2023
Report Number : 2577490-1

Page 2 of 5

Sample Number 2321270-2
Sampled Date Mar 14, 2023
Sample Description Air Quality
Location Polymerization
Date Analysis Commenced Mar 15, 2023
Condition of Sample Drawn into one filter paper placed in plastic petri dish, one plastic bottle, one 10-L air sampling bag and one sorbent tube, refrigerated
Barometric Pressure 757 mmHg
Atmospheric Temperature 31.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Methane as Propane	10:20 AM - 10:40 AM	ppm	-	0.33	1.02	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Non Methane Hydrocarbon as Propane	10:20 AM - 10:40 AM	ppm	-	0.33	<0.33	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Styrene	10:00 AM - 12:00 PM	ppm	-	0.05	<0.05	100	Based on NIOSH (2003), 1501	MOL	Bangkok
Total Dust	10:00 AM - 12:00 PM	mg/m3	-	0.15	<0.15	15	Based on NIOSH (1994), 0500	OSHA	Rayong
Total Hydrocarbon as Propane	10:20 AM - 10:40 AM	ppm	-	0.33	1.02	No Standard	Total Hydrocarbon Analyzer	-	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)

OSHA : Occupational Safety and Health Administration

Sampled By : Natthapon Jengwareewong

Remark :

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

Approved by

Orawan R.

Orawan Rakyoung
Scientist (3)

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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand
21150
P/O : 4514158445
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2321270
Date Received : Mar 15, 2023
Date Reported : Mar 22, 2023
Report Number : 2577490-1

Page 3 of 5

Sample Number 2321270-3
Sampled Date Mar 14, 2023
Sample Description Air Quality
Location Devolatilization
Date Analysis Commenced Mar 15, 2023
Condition of Sample Drawn into one filter paper placed in plastic petri dish, one plastic bottle, one 10-L air sampling bag and one sorbent tube, refrigerated
Barometric Pressure 757 mmHg
Atmospheric Temperature 31.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Methane as Propane	10:50 AM - 11:10 AM	ppm	-	0.33	1.02	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Non Methane Hydrocarbon as Propane	10:50 AM - 11:10 AM	ppm	-	0.33	<0.33	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Styrene	09:40 AM - 11:40 AM	ppm	-	0.05	1.31	100	Based on NIOSH (2003), 1501	MOL	Bangkok
Total Dust	09:40 AM - 11:40 AM	mg/m3	-	0.15	<0.15	15	Based on NIOSH (1994), 0500	OSHA	Rayong
Total Hydrocarbon as Propane	10:50 AM - 11:10 AM	ppm	-	0.33	1.02	No Standard	Total Hydrocarbon Analyzer	-	Rayong

Guideline :

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

OSHA : Occupational Safety and Health Administration

Sampled By : Natthapon Jengwareewong

Remark :

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

Approved by

Orawan R.

Orawan Rakyoung
Scientist (3)

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21150

P/O : 4514158445

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2321270

Date Received : Mar 15, 2023

Date Reported : Mar 22, 2023

Report Number : 2577490-1

Page 4 of 5

Sample Number 2321270-4
Sampled Date Mar 14, 2023
Sample Description Air Quality
Location Finishing
Date Analysis Commenced Mar 15, 2023
Condition of Sample Drawn into one filter paper placed in plastic petri dish, one plastic bottle, one 10-L air sampling bag and one sorbent tube, refrigerated
Barometric Pressure 757 mmHg
Atmospheric Temperature 31.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Methane as Propane	10:50 AM - 11:10 AM	ppm	-	0.33	1.02	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Non Methane Hydrocarbon as Propane	10:50 AM - 11:10 AM	ppm	-	0.33	<0.33	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Styrene	09:20 AM - 11:20 AM	ppm	-	0.05	<0.05	100	Based on NIOSH (2003), 1501	MOL	Bangkok
Total Dust	09:20 AM - 11:20 AM	mg/m3	-	0.15	<0.15	15	Based on NIOSH (1994), 0500	OSHA	Rayong
Total Hydrocarbon as Propane	10:50 AM - 11:10 AM	ppm	-	0.33	1.02	No Standard	Total Hydrocarbon Analyzer	-	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)

OSHA : Occupational Safety and Health Administration

Sampled By : Natthapon Jiengwareewong

Remark :

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

Approved by

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Orawan Rakyong
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Analysis / Test Report

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8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand
21150

P/O : 4514158445

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2321270

Date Received : Mar 15, 2023

Date Reported : Mar 22, 2023

Report Number : 2577490-1

Page 5 of 5

Sample Number 2321270-5
Sampled Date Mar 14, 2023
Sample Description Air Quality
Location Packaging
Date Analysis Commenced Mar 15, 2023
Condition of Sample Drawn into one filter paper placed in plastic petri dish, one plastic bottle, one 10-L air sampling bag and one sorbent tube, refrigerated
Barometric Pressure 757 mmHg
Atmospheric Temperature 31.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Methane as Propane	10:10 AM - 10:30 AM	ppm	-	0.33	1.06	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Non Methane Hydrocarbon as Propane	10:10 AM - 10:30 AM	ppm	-	0.33	0.46	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Styrene	10:10 AM - 12:10 PM	ppm	-	0.05	<0.05	100	Based on NIOSH (2003), 1501	MOL	Bangkok
Total Dust	10:10 AM - 12:10 PM	mg/m3	-	0.15	<0.15	15	Based on NIOSH (1994), 0500	OSHA	Rayong
Total Hydrocarbon as Propane	10:10 AM - 10:30 AM	ppm	-	0.33	1.52	No Standard	Total Hydrocarbon Analyzer	-	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)

OSHA : Occupational Safety and Health Administration

Sampled By : Natthapon Jiengwareewong

Remark :

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

Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514158445

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2321273

Date Received : Mar 15, 2023

Date Reported : Mar 17, 2023

Report Number: 2595564-1

Page 1 of 1

Sample Number 2321273-1
Parameter Noise (Leq 8 hrs.)
Location MRU
Measurement Date Mar 14, 2023
Measurement by Kantaphon Maneesampan

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:35 AM - 10:35 AM	85.2	87.4	84.8
10:35 AM - 11:35 AM	85.0	85.8	84.6
11:35 AM - 12:35 PM	84.6	85.7	84.2
12:35 PM - 01:35 PM	84.6	85.6	84.3
01:35 PM - 02:35 PM	84.4	85.4	84.1
02:35 PM - 03:35 PM	84.7	85.9	84.3
03:35 PM - 04:35 PM	84.9	86.2	84.5
04:35 PM - 05:35 PM	84.9	85.9	84.5

Leq Average 8 hrs. (dB(A))

84.8

Lmax (dB(A))

87.4

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย

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Technical Management

Thanitak.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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P/O : 4514158445

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2321273

Date Received : Mar 15, 2023

Date Reported : Mar 17, 2023

Report Number: 2595565-1

Page 1 of 1

Sample Number 2321273-2
Parameter Noise (Leq 8 hrs.)
Location Transfer Blower
Measurement Date Mar 14, 2023
Measurement by Kantaphon Maneesampan

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:30 AM - 10:30 AM	77.3	81.9	76.9
10:30 AM - 11:30 AM	77.0	80.5	76.7
11:30 AM - 12:30 PM	76.4	77.8	76.1
12:30 PM - 01:30 PM	77.8	83.9	77.0
01:30 PM - 02:30 PM	84.5	104.2	83.8
02:30 PM - 03:30 PM	81.9	94.4	81.1
03:30 PM - 04:30 PM	81.7	85.5	81.5
04:30 PM - 05:30 PM	84.9	85.6	84.8

Leq Average 8 hrs. (dB(A))

81.4

Lmax (dB(A))

104.2

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย

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Technical Management

Thanitak.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

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P/O : 4514158445
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2321273
Date Received : Mar 15, 2023
Date Reported : Mar 17, 2023
Report Number: 2596566-1

Page 1 of 1

Sample Number : 2321273-3
Parameter : Noise (Leq 8 hrs.)
Location : Emergency Generator
Measurement Date : Mar 14, 2023
Measurement by : Kantaphon Maneesampan

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:35 AM - 10:35 AM	81.3	85.1	80.5
10:35 AM - 11:35 AM	81.6	84.8	80.7
11:35 AM - 12:35 PM	82.7	85.1	81.8
12:35 PM - 01:35 PM	82.8	85.3	81.9
01:35 PM - 02:35 PM	81.4	84.1	80.3
02:35 PM - 03:35 PM	80.7	83.9	79.5
03:35 PM - 04:35 PM	81.1	84.3	80.2
04:35 PM - 05:35 PM	82.6	85.0	81.8

Leq Average 8 hrs. (dB(A))

81.8

Lmax (dB(A))

85.3

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย
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Technical Management

Thanita K.

Thanita Kulsuriwong
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Supot S.

Supot Salamteh
Section Head

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P/O : 4514158445
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2321273
Date Received : Mar 15, 2023
Date Reported : Mar 17, 2023
Report Number: 2596567-1

Page 1 of 1

Sample Number : 2321273-4
Parameter : Noise (Leq 8 hrs.)
Location : Pelletizer
Measurement Date : Mar 14, 2023
Measurement by : Kantaphon Maneesampan

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:27 AM - 10:27 AM	88.0	100.1	87.7
10:27 AM - 11:27 AM	88.9	91.5	88.7
11:27 AM - 12:27 PM	88.6	93.4	88.3
12:27 PM - 01:27 PM	88.5	90.1	88.3
01:27 PM - 02:27 PM	88.8	91.8	88.6
02:27 PM - 03:27 PM	89.2	93.2	89.0
03:27 PM - 04:27 PM	89.4	90.9	89.1
04:27 PM - 05:27 PM	89.1	91.3	88.8

Leq Average 8 hrs. (dB(A))

88.8

Lmax (dB(A))

100.1

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย
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Technical Management

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Thanita Kulsuriwong
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Supot Salamteh
Section Head

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P/O : 4514158445

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2348299

Date Received : May 27, 2023

Date Reported : May 31, 2023

Report Number: 2668830-1

Page 1 of 1

Sample Number 2348299-1
Parameter Noise (Leq 8 hrs.)
Location MRU
Measurement Date May 25, 2023
Measurement by Kantaphon Maneesampan

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:06 AM - 11:06 AM	80.8	87.6	80.2
11:06 AM - 12:06 PM	77.4	80.3	77.2
12:06 PM - 01:06 PM	77.1	78.7	76.9
01:06 PM - 02:06 PM	77.3	79.9	76.9
02:06 PM - 03:06 PM	77.3	81.2	77.0
03:06 PM - 04:06 PM	77.4	80.6	77.1
04:06 PM - 05:06 PM	78.1	86.6	77.3
05:06 PM - 06:06 PM	80.5	82.5	80.2

Leq Average 8 hrs. (dB(A))

78.5

Lmax (dB(A))

87.6

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย
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Technical Management

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Supot Salamteh
Section Head

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Client : Siam Polystyrene Co., Ltd.

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P/O : 4514158445

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2348299

Date Received : May 27, 2023

Date Reported : May 31, 2023

Report Number: 2668831-1

Page 1 of 1

Sample Number 2348299-2
Parameter Noise (Leq 8 hrs.)
Location Transfer Blower
Measurement Date May 25, 2023
Measurement by Kantaphon Maneesampan

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:08 AM - 11:08 AM	83.6	84.6	83.4
11:08 AM - 12:08 PM	83.3	85.0	82.9
12:08 PM - 01:08 PM	84.5	85.2	84.4
01:08 PM - 02:08 PM	84.7	86.8	84.5
02:08 PM - 03:08 PM	84.8	85.6	84.7
03:08 PM - 04:08 PM	84.8	85.7	84.6
04:08 PM - 05:08 PM	84.5	85.5	84.4
05:08 PM - 06:08 PM	78.8	85.2	78.1

Leq Average 8 hrs. (dB(A))

83.9

Lmax (dB(A))

86.8

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย
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Technical Management

Thanita K.

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Supot S.

Supot Salamteh
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8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514158445

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2348299

Date Received : May 27, 2023

Date Reported : May 31, 2023

Report Number: 2668832-1

Page 1 of 1

Sample Number 2348299-3
Parameter Noise (Leq 8 hrs.)
Location Emergency Generator
Measurement Date May 25, 2023
Measurement by Kantaphon Maneesampan

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:18 AM - 11:18 AM	83.6	86.9	80.7
11:18 AM - 12:18 PM	84.7	87.3	83.0
12:18 PM - 01:18 PM	84.9	86.8	84.1
01:18 PM - 02:18 PM	85.9	88.2	84.8
02:18 PM - 03:18 PM	85.7	88.9	84.8
03:18 PM - 04:18 PM	85.2	87.6	83.8
04:18 PM - 05:18 PM	85.2	87.9	83.8
05:18 PM - 06:18 PM	83.0	86.3	80.3

Leq Average 8 hrs. (dB(A))

84.9

Lmax (dB(A))

88.9

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย
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Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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S:\Reports\Air Noise.rpt (10:44AM)



Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514158445

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2348299

Date Received : May 27, 2023

Date Reported : May 31, 2023

Report Number: 2668833-1

Page 1 of 1

Sample Number 2348299-4
Parameter Noise (Leq 8 hrs.)
Location Pelletizer
Measurement Date May 25, 2023
Measurement by Kantaphon Maneesampan

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:55 AM - 10:55 AM	89.2	90.2	89.0
10:55 AM - 11:55 AM	89.4	90.5	89.2
11:55 AM - 12:55 PM	89.4	90.1	89.1
12:55 PM - 01:55 PM	89.3	102.5	88.8
01:55 PM - 02:55 PM	88.7	92.9	88.5
02:55 PM - 03:55 PM	88.7	100.1	88.3
03:55 PM - 04:55 PM	88.2	97.7	88.0
04:55 PM - 05:55 PM	88.9	89.9	88.7

Leq Average 8 hrs. (dB(A))

89.0

Lmax (dB(A))

102.5

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย
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Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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