

ภาคผนวก ค

ใบรับรองผลการตรวจวัดคุณภาพสิ่งแวดล้อม

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 : 4516912284
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2587961

Date Received : Sep 22, 2025
Date Reported : Sep 30, 2025
Report Number: 3409315-1

Page 1 of 3

Sample Number 2587961-1
Sampled Date Sep 22, 2025
Sample Description Emission from Stationary Source
Location Heater A (GPS 47P 033735, 1404279)
Date Analysis Commenced Sep 22, 2025
Condition of Sample Extracted into two 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	9.5	%
Ambient Temperature	33.7	°C	Shape	Circle		Carbon Dioxide	6.5	%
Type of Process	Combustion		Stack Temperature	200	°C	Gas Velocity	3.1	m/s
Type of Fuel	Natural Gas		Moisture	10.33	%	Flow Rate (Actual O2)	1771	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂ at 9.5 % O ₂		Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Carbon Monoxide *	11:10 AM - 11:20 AM	ppm	-	1.0	5.5	4.51	690	-	U.S. Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	11:00 AM - 11:10 AM	ppm	-	1.06	55.5	45.52	200	149	U.S. Environmental Protection Agency, EPA Method 7	Rayong
Sulfur dioxide *	11:00 AM - 11:30 AM	ppm	-	2.0	<2.0	<2.0	60	-	U.S. Environmental Protection Agency, EPA Method 6	Rayong
Total Suspended Particulate	11:00 AM - 11:48 AM	mg/m3	-	0.5	<0.5	<0.5	320	68	U.S. Environmental Protection Agency 40 CFR method 5, Appendix A, December 7, 2020 (Include sampling)	Rayong

Guideline :

Guideline

- 1).Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)
- 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)
ทะเบียนเลขที่ ว-323-จ-0029

Approved by

D. Chamon.

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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 : 4516912284
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2587961

Date Received : Sep 22, 2025
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Report Number: 3409315-1

Page 2 of 3

Sample Number 2587961-1
Sampled Date Sep 22, 2025
Sample Description Emission from Stationary Source
Location Heater A (GPS 47P 033735, 1404279)
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Condition of Sample Extracted into two 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	9.5	%
Ambient Temperature	33.7	°C	Shape	Circle		Carbon Dioxide	6.5	%
Type of Process	Combustion		Stack Temperature	200	°C	Gas Velocity	3.1	m/s
Type of Fuel	Natural Gas		Moisture	10.33	%	Flow Rate (Actual O2)	1771	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Carbon Monoxide *	11:10 AM - 11:20 AM	g/s	-	-	0.003	-	-	Calculated	Rayong
Oxides of Nitrogen *	11:00 AM - 11:10 AM	g/s	-	-	0.042	-	0.37	Calculated	Rayong
Sulfur dioxide *	11:00 AM - 11:30 AM	g/s	-	-	<0.002	-	-	Calculated	Rayong
Total Suspended Particulate *	11:00 AM - 11:48 AM	g/s	-	-	<0.0002	-	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.

Sampling By : Jittakorn Sriwasa ทะเบียนเลขที่ ว-323-จ-0007

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0029

Approved by

D. Chamon.

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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 : 4516912284
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2587961

Date Received : Sep 22, 2025
Date Reported : Sep 30, 2025
Report Number: 3409315-1

Page 3 of 3

Sample Number 2587961-1
Sampled Date Sep 22, 2025
Sample Description Emission from Stationary Source
Location Heater A (GPS 47P 033735, 1404279)
Date Analysis Commenced Sep 22, 2025
Condition of Sample Extracted into two 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	9.5	%
Ambient Temperature	33.7	°C	Shape	Circle		Carbon Dioxide	6.5	%
Type of Process	Combustion		Stack Temperature	200	°C	Gas Velocity	3.1	m/s
Type of Fuel	Natural Gas		Moisture	10.33	%	Flow Rate (Actual O2)	1771	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
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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)
ทะเบียนเลขที่ ว-323-จ-0029

Approved by

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ภาคผนวก ค-2

คุณภาพอากาศในบรรยากาศ



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 : 4516912284

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2587960

Date Received : Sep 29, 2025

Date Reported : Oct 02, 2025

Report Number: 3409312-1

Page 1 of 1

Sample Description	Air Quality
Location	ริมรั้วด้านทิศตะวันตกของบรืษัท ปิ๋ยเอ็นเอฟซี จำกัด (มหาชน) (GPS 47P 0731964, 1403752)
Date Analysis Commenced	Sep 30, 2025
Condition of Sample	Drawn into one glass filter paper (8x10 inch) placed in plastic bag

Sample Number	Sampled Date	Sampling Condition		Total Suspended Particulate (mg/m3)
		Pressure (mm Hg)	Temperature (°C)	
2587960-1	Sep 22 - Sep 23, 2025	756	29.7	0.031
2587960-2	Sep 23 - Sep 24, 2025	756	30.1	0.024
2587960-3	Sep 24 - Sep 25, 2025	756	30.5	0.030
2587960-4	Sep 25 - Sep 26, 2025	756	30.8	0.026
2587960-5	Sep 26 - Sep 27, 2025	756	30.5	0.021
2587960-6	Sep 27 - Sep 28, 2025	756	28.8	0.025
2587960-7	Sep 28 - Sep 29, 2025	756	30.2	0.023
Guideline	-	-	-	0.33

Reference Method

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

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

Sampled By : Nontachai Uppathamp

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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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 :

Project Name : Environmental Quality

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2587976

Date Received : Sep 29, 2025

Date Reported : Oct 03, 2025

Report Number: 3409365-1C8

Page 1 of 1

Sample Description	Air Quality
Location	บ้านฉางประตู (ศูนย์บริการสาธารณสุขตากวน)(GPS 47P 0735531, 1402769)
Date Analysis Commenced	Sep 30, 2025
Condition of Sample	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag

Sample Number	Sampled Date	Sampling Condition		Total Suspended Particulate (mg/m3)
		Pressure (mm Hg)	Temperature (°C)	
2587976-1	Sep 22 - Sep 23, 2025	756	29.7	0.025
2587976-2	Sep 23 - Sep 24, 2025	756	30.1	0.016
2587976-3	Sep 24 - Sep 25, 2025	756	30.5	0.021
2587976-4	Sep 25 - Sep 26, 2025	756	30.8	0.016
2587976-5	Sep 26 - Sep 27, 2025	756	30.5	0.017
2587976-6	Sep 27 - Sep 28, 2025	756	28.8	0.026
2587976-7	Sep 28 - Sep 29, 2025	756	30.2	0.017
Guideline	-	-	-	0.33

Reference Method

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

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

Sampled By : Nontachai Uppathamp

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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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 :

Project Name : Environmental Quality

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2587982

Date Received : Sep 29, 2025

Date Reported : Oct 03, 2025

Report Number: 3409369-1C8

Page 1 of 1

Sample Description	Air Quality
Location	บ้านนาตาพูด (GPS 47P 0735346, 1406705)
Date Analysis Commenced	Sep 30, 2025
Condition of Sample	Contained in one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag

Sample Number	Sampled Date	Sampling Condition		Total Suspended Particulate (mg/m3)
		Pressure (mm Hg)	Temperature (°C)	
2587982-1	Sep 22 - Sep 23, 2025	756	29.7	0.041
2587982-2	Sep 23 - Sep 24, 2025	756	30.1	0.029
2587982-3	Sep 24 - Sep 25, 2025	756	30.5	0.041
2587982-4	Sep 25 - Sep 26, 2025	756	30.8	0.032
2587982-5	Sep 26 - Sep 27, 2025	756	30.5	0.054
2587982-6	Sep 27 - Sep 28, 2025	756	28.8	0.021
2587982-7	Sep 28 - Sep 29, 2025	756	30.2	0.021
Guideline	-	-	-	0.33

Reference Method

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

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

Sampled By : Nontachai Uppathamp

Approved by

Thanita K.

Thanita Kulsuriwong
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 : 4516912284

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2587957

Date Received : Sep 29, 2025

Date Reported : Oct 03, 2025

Report Number: 3409305-1

Page 1 of 1

Sample Description Air Quality

Location ริมรั้วด้านทิศตะวันตกของบริษัท ปิ๊ยเอ็นเอฟซี จำกัด (มหาชน) (GPS 47P 0731964, 1403752)

Parameter Nitrogen dioxide (ppm)

Measurement Date Sep 22, 2025 - Sep 29, 2025

Measurement by Nontachai Uppathamp

	2587957-1	2587957-2	2587957-3	2587957-4	2587957-5	2587957-6	2587957-7
Time	Sep 22, 2025	Sep 23, 2025	Sep 24, 2025	Sep 25, 2025	Sep 26, 2025	Sep 27, 2025	Sep 28, 2025
11:00 AM - 12:00 PM	0.0033	0.0039	0.0037	0.0037	0.0038	0.0038	0.0039
12:00 PM - 01:00 PM	0.0041	0.0037	0.0042	0.0037	0.0041	0.0038	0.0038
01:00 PM - 02:00 PM	0.0040	0.0034	0.0039	0.0039	0.0038	0.0037	0.0038
02:00 PM - 03:00 PM	0.0042	0.0036	0.0039	0.0039	0.0037	0.0038	0.0038
03:00 PM - 04:00 PM	0.0039	0.0036	0.0037	0.0039	0.0038	0.0036	0.0038
04:00 PM - 05:00 PM	0.0043	0.0037	0.0038	0.0038	0.0039	0.0038	0.0039
05:00 PM - 06:00 PM	0.0042	0.0036	0.0039	0.0040	0.0041	0.0039	0.0037
06:00 PM - 07:00 PM	0.0040	0.0035	0.0037	0.0037	0.0040	0.0038	0.0040
07:00 PM - 08:00 PM	0.0041	0.0037	0.0038	0.0036	0.0039	0.0036	0.0037
08:00 PM - 09:00 PM	0.0047	0.0039	0.0037	0.0036	0.0040	0.0038	0.0039
09:00 PM - 10:00 PM	0.0039	0.0038	0.0039	0.0039	0.0040	0.0039	0.0039
10:00 PM - 11:00 PM	0.0038	0.0038	0.0039	0.0038	0.0039	0.0037	0.0039
11:00 PM - 12:00 AM	0.0040	0.0036	0.0038	0.0036	0.0040	0.0038	0.0038
12:00 AM - 01:00 AM	0.0037	0.0037	0.0037	0.0038	0.0036	0.0037	0.0038
01:00 AM - 02:00 AM	0.0037	0.0038	0.0037	0.0039	0.0038	0.0036	0.0039
02:00 AM - 03:00 AM	0.0038	0.0035	0.0043	0.0039	0.0040	0.0038	0.0038
03:00 AM - 04:00 AM	0.0037	0.0036	0.0039	0.0037	0.0038	0.0038	0.0036
04:00 AM - 05:00 AM	0.0044	0.0039	0.0038	0.0036	0.0039	0.0038	0.0039
05:00 AM - 06:00 AM	0.0043	0.0036	0.0037	0.0037	0.0038	0.0037	0.0037
06:00 AM - 07:00 AM	0.0040	0.0056	0.0039	0.0039	0.0038	0.0039	0.0037
07:00 AM - 08:00 AM	0.0046	0.0046	0.0048	0.0038	0.0041	0.0041	0.0039
08:00 AM - 09:00 AM	0.0043	0.0044	0.0042	0.0040	0.0039	0.0046	0.0042
09:00 AM - 10:00 AM	0.0038	0.0040	0.0038	0.0040	0.0039	0.0040	0.0038
10:00 AM - 11:00 AM	0.0037	0.0040	0.0039	0.0038	0.0041	0.0039	0.0038
Average	0.0040	0.0039	0.0039	0.0038	0.0039	0.0038	0.0038
1hr - Maximum	0.0047	0.0056	0.0048	0.0040	0.0041	0.0046	0.0042
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

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

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

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 :

Project Name : Environmental Quality

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2587971

Date Received : Sep 29, 2025

Date Reported : Oct 06, 2025

Report Number: 3409354-1C8

Page 1 of 1

Sample Description	Air Quality						
Location	บ้านอ่าวประดู่ (ศูนย์บริการสาธารณสุขตากวน)(GPS 47P 0735531, 1402769)						
Parameter	Nitrogen dioxide (ppm)						
Measurement Date	Sep 22, 2025 - Sep 29, 2025						
Measurement by	Nontachai Uppathamp						
	2587971-1	2587971-2	2587971-3	2587971-4	2587971-5	2587971-6	2587971-7
Time	Sep 22, 2025	Sep 23, 2025	Sep 24, 2025	Sep 25, 2025	Sep 26, 2025	Sep 27, 2025	Sep 28, 2025
10:00 AM - 11:00 AM	0.0071	0.0076	0.0067	0.0078	0.0080	0.0088	0.0124
11:00 AM - 12:00 PM	0.0054	0.0090	0.0070	0.0087	0.0080	0.0094	0.0113
12:00 PM - 01:00 PM	0.0071	0.0080	0.0075	0.0075	0.0073	0.0116	0.0105
01:00 PM - 02:00 PM	0.0063	0.0073	0.0069	0.0067	0.0071	0.0273	0.0106
02:00 PM - 03:00 PM	0.0070	0.0072	0.0065	0.0072	0.0068	0.0080	0.0088
03:00 PM - 04:00 PM	0.0073	0.0068	0.0064	0.0063	0.0068	0.0068	0.0098
04:00 PM - 05:00 PM	0.0076	0.0067	0.0064	0.0068	0.0068	0.0077	0.0096
05:00 PM - 06:00 PM	0.0078	0.0067	0.0067	0.0067	0.0067	0.0072	0.0076
06:00 PM - 07:00 PM	0.0086	0.0077	0.0076	0.0084	0.0073	0.0075	0.0074
07:00 PM - 08:00 PM	0.0084	0.0075	0.0067	0.0073	0.0067	0.0077	0.0065
08:00 PM - 09:00 PM	0.0073	0.0070	0.0065	0.0093	0.0066	0.0086	0.0061
09:00 PM - 10:00 PM	0.0076	0.0063	0.0072	0.0067	0.0057	0.0131	0.0062
10:00 PM - 11:00 PM	0.0053	0.0059	0.0100	0.0059	0.0053	0.0074	0.0060
11:00 PM - 12:00 AM	0.0053	0.0053	0.0126	0.0060	0.0052	0.0077	0.0058
12:00 AM - 01:00 AM	0.0054	0.0057	0.0063	0.0058	0.0058	0.0081	0.0057
01:00 AM - 02:00 AM	0.0058	0.0056	0.0065	0.0059	0.0057	0.0074	0.0055
02:00 AM - 03:00 AM	0.0076	0.0058	0.0061	0.0056	0.0059	0.0074	0.0054
03:00 AM - 04:00 AM	0.0067	0.0053	0.0055	0.0056	0.0056	0.0070	0.0055
04:00 AM - 05:00 AM	0.0066	0.0052	0.0054	0.0058	0.0059	0.0066	0.0062
05:00 AM - 06:00 AM	0.0059	0.0055	0.0054	0.0057	0.0072	0.0063	0.0059
06:00 AM - 07:00 AM	0.0058	0.0061	0.0063	0.0064	0.0070	0.0092	0.0061
07:00 AM - 08:00 AM	0.0079	0.0073	0.0083	0.0076	0.0070	0.0100	0.0069
08:00 AM - 09:00 AM	0.0106	0.0084	0.0090	0.0105	0.0076	0.0091	0.0089
09:00 AM - 10:00 AM	0.0085	0.0073	0.0077	0.0102	0.0087	0.0124	0.0074
Average	0.0070	0.0067	0.0071	0.0071	0.0067	0.0093	0.0076
1hr - Maximum	0.0106	0.0090	0.0126	0.0105	0.0087	0.0273	0.0124
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

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

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

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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 :

Project Name : Environmental Quality

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2587975

Date Received : Sep 29, 2025

Date Reported : Oct 06, 2025

Report Number: 3409357-1C8

Page 1 of 1

Sample Description	Air Quality						
Location	บ้านนาบตาพุด (GPS 47P 0735346, 1406705)						
Parameter	Nitrogen dioxide (ppm)						
Measurement Date	Sep 22, 2025 - Sep 29, 2025						
Measurement by	Nontachai Uppathamp						
	2587975-1	2587975-2	2587975-3	2587975-4	2587975-5	2587975-6	2587975-7
Time	Sep 22, 2025	Sep 23, 2025	Sep 24, 2025	Sep 25, 2025	Sep 26, 2025	Sep 27, 2025	Sep 28, 2025
09:00 AM - 10:00 AM	0.0085	0.0061	0.0062	0.0044	0.0087	0.0036	0.0047
10:00 AM - 11:00 AM	0.0055	0.0040	0.0044	0.0043	0.0053	0.0026	0.0031
11:00 AM - 12:00 PM	0.0042	0.0029	0.0031	0.0039	0.0030	0.0025	0.0002
12:00 PM - 01:00 PM	0.0041	0.0035	0.0031	0.0027	0.0027	0.0020	0.0029
01:00 PM - 02:00 PM	0.0039	0.0046	0.0029	0.0031	0.0022	0.0020	0.0024
02:00 PM - 03:00 PM	0.0039	0.0043	0.0026	0.0032	0.0021	0.0017	0.0021
03:00 PM - 04:00 PM	0.0038	0.0034	0.0024	0.0036	0.0019	0.0015	0.0013
04:00 PM - 05:00 PM	0.0040	0.0033	0.0033	0.0033	0.0022	0.0017	0.0015
05:00 PM - 06:00 PM	0.0043	0.0036	0.0050	0.0045	0.0035	0.0045	0.0014
06:00 PM - 07:00 PM	0.0043	0.0033	0.0056	0.0034	0.0047	0.0034	0.0013
07:00 PM - 08:00 PM	0.0049	0.0029	0.0034	0.0042	0.0048	0.0072	0.0016
08:00 PM - 09:00 PM	0.0069	0.0030	0.0042	0.0069	0.0033	0.0059	0.0019
09:00 PM - 10:00 PM	0.0080	0.0041	0.0087	0.0063	0.0026	0.0055	0.0027
10:00 PM - 11:00 PM	0.0041	0.0030	0.0034	0.0037	0.0023	0.0054	0.0079
11:00 PM - 12:00 AM	0.0023	0.0022	0.0029	0.0031	0.0041	0.0030	0.0034
12:00 AM - 01:00 AM	0.0039	0.0020	0.0025	0.0023	0.0023	0.0022	0.0023
01:00 AM - 02:00 AM	0.0023	0.0020	0.0024	0.0040	0.0025	0.0040	0.0010
02:00 AM - 03:00 AM	0.0025	0.0023	0.0024	0.0015	0.0019	0.0055	0.0019
03:00 AM - 04:00 AM	0.0027	0.0018	0.0021	0.0017	0.0069	0.0039	0.0010
04:00 AM - 05:00 AM	0.0049	0.0034	0.0067	0.0013	0.0022	0.0033	0.0007
05:00 AM - 06:00 AM	0.0035	0.0026	0.0047	0.0020	0.0028	0.0023	0.0004
06:00 AM - 07:00 AM	0.0041	0.0051	0.0026	0.0024	0.0036	0.0024	0.0006
07:00 AM - 08:00 AM	0.0092	0.0054	0.0103	0.0036	0.0035	0.0090	0.0032
08:00 AM - 09:00 AM	0.0070	0.0085	0.0113	0.0049	0.0031	0.0076	0.0040
Average	0.0047	0.0036	0.0044	0.0035	0.0034	0.0039	0.0022
1hr - Maximum	0.0092	0.0085	0.0113	0.0069	0.0087	0.0090	0.0079
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

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

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

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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

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

P/O : 4516912284

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2587959

Date Received :Sep 29, 2025

Date Reported :Oct 03, 2025

Report Number :3409306-1

Page 1 of 2

Sample Number 2587959-1 to 7
Parameter Wind Speed / Wind Direction
Location ริมรั้วด้านทิศตะวันตกของบรืษัท ปิ๊ยเอ็นเอพีซี จำกัด (มหาชน) (GPS 47P 0731964, 1403752)
Sampling Date Sep 22 - Sep 29, 2025
Sampling by Nontachai Uppathamp

Time	Sep 22 - Sep 23, 2025			Sep 23 - Sep 24, 2025			Sep 24 - Sep 25, 2025			Sep 25 - Sep 26, 2025			Sep 26 - Sep 27, 2025			Sep 27 - Sep 28, 2025			Sep 28 - Sep 29, 2025		
	WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)	
11:00 AM - 12:00 PM	3.6	182.0	S	4.1	197.0	SSW	3.4	222.0	SW	2.4	214.0	SW	1.8	173.0	S	2.7	248.0	WSW	3.4	277.0	W
12:00 PM - 01:00 PM	2.6	231.0	SW	5.3	221.0	SW	3.0	234.0	SW	4.0	195.0	SSW	1.1	135.0	SE	2.9	211.0	SSW	3.8	342.0	NNW
01:00 PM - 02:00 PM	3.7	217.0	SW	2.0	256.0	WSW	5.1	197.0	SSW	3.8	231.0	SW	4.8	182.0	S	1.4	209.0	SSW	1.3	292.0	WNW
02:00 PM - 03:00 PM	1.1	182.0	S	3.2	195.0	SSW	2.7	217.0	SW	1.4	140.0	SE	4.9	212.0	SSW	0.4	281.0	W	1.4	277.0	W
03:00 PM - 04:00 PM	3.1	202.0	SSW	1.8	253.0	WSW	2.5	228.0	SW	3.1	220.0	SW	2.2	264.0	W	1.0	188.0	S	3.2	314.0	NW
04:00 PM - 05:00 PM	4.1	226.0	SW	0.4	217.0	SW	0.8	259.0	W	2.1	130.0	SE	3.2	208.0	SSW	0.6	238.0	WSW	2.7	258.0	WSW
05:00 PM - 06:00 PM	1.6	212.0	SSW	0.8	135.0	SE	1.9	216.0	SW	2.3	159.0	SSE	0.7	213.0	SSW	1.1	139.0	SE	2.0	155.0	SSE
06:00 PM - 07:00 PM	0.6	126.0	SE	1.0	241.0	WSW	1.7	209.0	SSW	1.1	14.0	NNE	1.6	198.0	SSW	1.4	184.0	S	2.5	222.0	SW
07:00 PM - 08:00 PM	1.4	107.0	ESE	5.2	224.0	SW	2.4	218.0	SW	1.3	223.0	SW	1.6	195.0	SSW	0.3	171.0	S	0.4	203.0	SSW
08:00 PM - 09:00 PM	1.1	112.0	ESE	3.1	220.0	SW	1.9	234.0	SW	1.5	270.0	W	2.6	195.0	SSW	1.0	242.0	WSW	2.3	219.0	SW
09:00 PM - 10:00 PM	1.6	173.0	S	3.3	201.0	SSW	2.0	211.0	SSW	1.7	210.0	SSW	0.8	164.0	SSE	2.7	340.0	NNW	0.9	243.0	WSW
10:00 PM - 11:00 PM	1.4	198.0	SSW	3.0	251.0	WSW	2.3	270.0	W	1.2	258.0	WSW	0.6	225.0	SW	1.7	284.0	WNW	1.3	216.0	SW
11:00 PM - 12:00 AM	0.9	200.0	SSW	2.5	208.0	SSW	1.7	249.0	WSW	3.0	239.0	WSW	0.7	220.0	SW	1.4	321.0	NW	1.5	209.0	SSW
12:00 AM - 01:00 AM	1.8	213.0	SSW	1.1	271.0	W	1.5	259.0	W	1.4	179.0	S	1.0	221.0	SW	1.0	356.0	N	1.8	243.0	WSW
01:00 AM - 02:00 AM	1.6	225.0	SW	2.7	217.0	SW	2.0	176.0	S	0.4	312.0	NW	0.3	313.0	NW	1.5	309.0	NW	2.4	255.0	WSW
02:00 AM - 03:00 AM	1.4	309.0	NW	3.0	266.0	W	1.8	168.0	SSE	1.8	254.0	WSW	1.3	318.0	NW	0.9	245.0	WSW	1.8	243.0	WSW
03:00 AM - 04:00 AM	0.6	301.0	WNW	1.8	248.0	WSW	1.8	210.0	SSW	4.1	217.0	SW	1.2	264.0	W	1.8	311.0	NW	1.9	233.0	SW
04:00 AM - 05:00 AM	1.1	203.0	SSW	0.6	31.0	NNE	0.3	176.0	S	2.1	195.0	SSW	1.7	274.0	W	1.6	347.0	NNW	0.9	220.0	SW
05:00 AM - 06:00 AM	0.5	244.0	WSW	0.5	222.0	SW	0.8	184.0	S	1.3	214.0	SW	1.3	338.0	NNW	0.4	285.0	WNW	1.6	168.0	SSE
06:00 AM - 07:00 AM	2.3	236.0	SW	1.6	250.0	WSW	1.7	241.0	WSW	3.3	207.0	SSW	1.5	4.0	N	1.1	235.0	SW	1.8	261.0	W
07:00 AM - 08:00 AM	4.6	208.0	SSW	3.9	223.0	SW	2.0	205.0	SSW	3.0	221.0	SW	0.7	311.0	NW	0.7	281.0	W	2.1	211.0	SSW
08:00 AM - 09:00 AM	2.7	226.0	SW	2.0	174.0	S	3.0	200.0	SSW	1.3	266.0	W	1.7	333.0	NNW	0.7	293.0	WNW	1.6	184.0	S
09:00 AM - 10:00 AM	5.1	227.0	SW	2.0	262.0	W	2.3	197.0	SSW	1.4	115.0	ESE	1.1	296.0	WNW	4.1	304.0	NW	2.0	198.0	SSW
10:00 AM - 11:00 AM	2.3	182.0	S	1.9	213.0	SSW	1.2	224.0	SW	0.7	236.0	SW	0.8	294.0	WNW	3.1	315.0	NW	2.4	206.0	SSW

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jittranont
Assistant General Manager



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 : 4516912284

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2587959

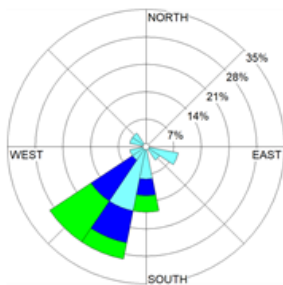
Date Received :Sep 29, 2025

Date Reported :Oct 03, 2025

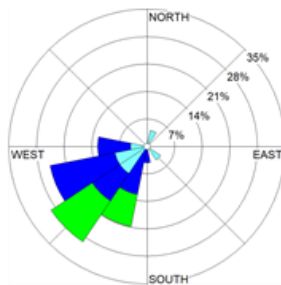
Report Number :3409306-1

Page 2 of 2

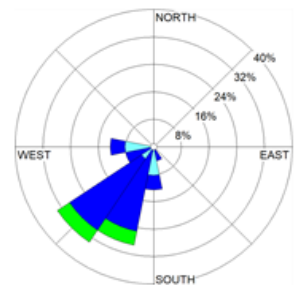
Wind Rose



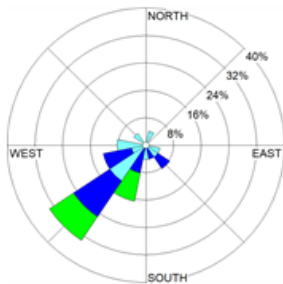
Date : Sep 22-23, 2025



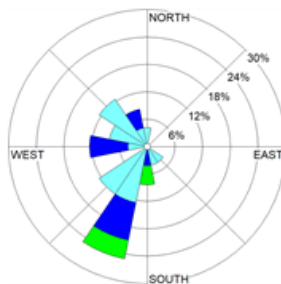
Date : Sep 23-24, 2025



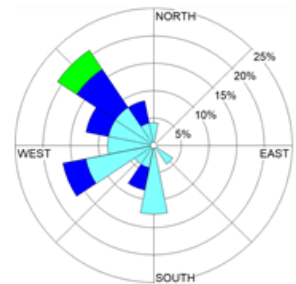
Date : Sep 24-25, 2025



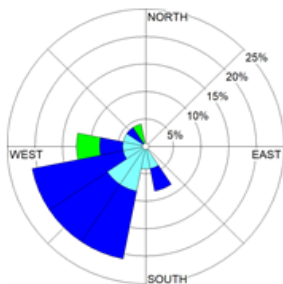
Date : Sep 25-26, 2025



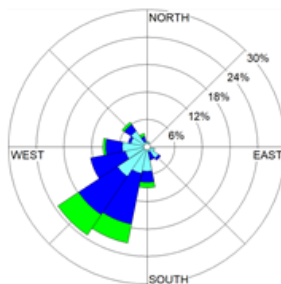
Date : Sep 26-27, 2025



Date : Sep 27-28, 2025



Date : Sep 28-29, 2025



Date : Sep 22-29, 2025

WS (m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	12.50
1.7-3.3	41.07
0.3-1.7	46.43
Calms	0.00

Location : รังวัดด้านทิศตะวันตกของบริษัท ปิยะเอ็นเอฟซี จำกัด (มหาชน) (GPS 47P 0731964, 1403752)

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

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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

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

Lot ID: 2587984

Date Received :Sep 29, 2025

Date Reported :Oct 03, 2025

Report Number :3409377-1 C8

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Page 1 of 2

Sample Number 2587984-1 to 7
Parameter Wind Speed / Wind Direction
Location บ้านอ่าวประดู่ (โรงพยาบาลส่งเสริมสุขภาพตำบลตากวน) (GPS 47P 0735531, 1402769)
Sampling Date Sep 22 - Sep 29, 2025
Sampling by Nontachai Uppathamp

Time	Sep 22 - Sep 23, 2025			Sep 23 - Sep 24, 2025			Sep 24 - Sep 25, 2025			Sep 25 - Sep 26, 2025			Sep 26 - Sep 27, 2025			Sep 27 - Sep 28, 2025			Sep 28 - Sep 29, 2025		
	WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)	
10:00 AM - 11:00 AM	1.2	311.0	NW	0.4	133.0	SE	0.5	175.0	S	1.6	330.0	NNW	1.2	201.0	SSW	0.0	-	-	0.2	-	-
11:00 AM - 12:00 PM	0.1	-	-	0.0	-	-	1.4	244.0	WSW	2.6	208.0	SSW	0.0	-	-	0.0	-	-	4.5	265.0	W
12:00 PM - 01:00 PM	0.3	191.0	S	2.6	271.0	W	2.3	301.0	WNW	0.4	287.0	WNW	0.0	-	-	3.6	287.0	WNW	0.9	299.0	WNW
01:00 PM - 02:00 PM	3.3	304.0	NW	0.4	179.0	S	0.5	184.0	S	0.8	107.0	ESE	0.7	62.0	ENE	1.1	220.0	SW	1.3	257.0	WSW
02:00 PM - 03:00 PM	2.4	161.0	SSE	2.3	233.0	SW	1.5	178.0	S	2.1	206.0	SSW	0.5	179.0	S	0.0	-	-	0.8	227.0	SW
03:00 PM - 04:00 PM	1.5	178.0	S	1.3	160.0	SSE	0.0	-	-	1.5	172.0	S	1.0	177.0	S	0.0	-	-	0.6	165.0	SSE
04:00 PM - 05:00 PM	0.4	118.0	ESE	1.0	169.0	S	0.8	120.0	ESE	0.0	-	-	0.0	-	-	0.0	-	-	0.3	176.0	S
05:00 PM - 06:00 PM	0.6	179.0	S	2.5	223.0	SW	0.3	124.0	SE	1.6	219.0	SW	0.6	175.0	S	0.0	-	-	0.3	223.0	SW
06:00 PM - 07:00 PM	1.1	132.0	SE	0.5	183.0	S	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	1.1	190.0	S
07:00 PM - 08:00 PM	0.4	150.0	SSE	1.2	210.0	SSW	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	2.0	201.0	SSW
08:00 PM - 09:00 PM	0.0	-	-	0.5	198.0	SSW	0.1	-	-	1.3	132.0	SE	0.0	-	-	1.8	325.0	NW	0.0	-	-
09:00 PM - 10:00 PM	0.0	-	-	0.3	306.0	NW	0.3	202.0	SSW	0.8	206.0	SSW	0.0	-	-	1.1	287.0	WNW	0.5	258.0	WSW
10:00 PM - 11:00 PM	0.0	-	-	0.6	111.0	ESE	0.0	-	-	0.9	222.0	SW	2.2	202.0	SSW	0.2	-	-	0.5	277.0	W
11:00 PM - 12:00 AM	2.2	215.0	SW	0.6	245.0	WSW	0.0	-	-	0.6	241.0	WSW	1.0	197.0	SSW	0.5	290.0	WNW	0.6	211.0	SSW
12:00 AM - 01:00 AM	0.0	-	-	0.2	-	-	0.0	-	-	0.0	-	-	2.1	227.0	SW	0.0	-	-	1.3	161.0	SSE
01:00 AM - 02:00 AM	0.5	292.0	WNW	2.4	220.0	SW	0.0	-	-	0.9	315.0	NW	0.0	-	-	0.0	-	-	1.7	234.0	SW
02:00 AM - 03:00 AM	1.2	303.0	WNW	0.4	178.0	S	0.0	-	-	4.2	258.0	WSW	0.0	-	-	0.0	-	-	0.0	-	-
03:00 AM - 04:00 AM	0.8	326.0	NW	0.0	-	-	1.3	239.0	WSW	0.5	120.0	ESE	0.0	-	-	0.0	-	-	0.4	247.0	WSW
04:00 AM - 05:00 AM	0.7	297.0	WNW	0.1	-	-	1.6	203.0	SSW	0.4	241.0	WSW	0.0	-	-	0.5	291.0	WNW	0.6	188.0	S
05:00 AM - 06:00 AM	1.0	142.0	SE	0.3	164.0	SSE	0.8	151.0	SSE	1.2	137.0	SE	0.0	-	-	0.0	-	-	1.2	313.0	NW
06:00 AM - 07:00 AM	0.5	139.0	SE	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
07:00 AM - 08:00 AM	0.7	198.0	SSW	2.1	204.0	SSW	1.1	187.0	S	0.0	-	-	0.0	-	-	0.0	-	-	0.7	137.0	SE
08:00 AM - 09:00 AM	0.7	206.0	SSW	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	1.2	299.0	WNW	0.4	145.0	SE
09:00 AM - 10:00 AM	1.0	199.0	SSW	1.6	207.0	SSW	1.0	230.0	SW	0.6	221.0	SW	0.0	-	-	2.9	259.0	W	1.2	150.0	SSE

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jittranont
Assistant General Manager



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 : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2587984

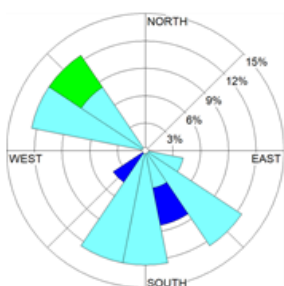
Date Received : Sep 29, 2025

Date Reported : Oct 03, 2025

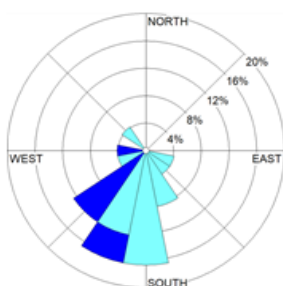
Report Number : 3409377-1 C8

Page 2 of 2

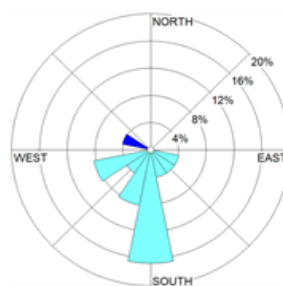
Wind Rose



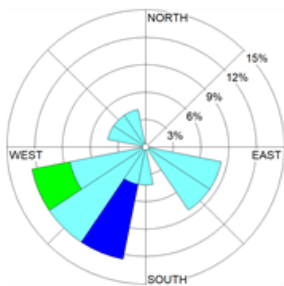
Date : Sep 22-23, 2025



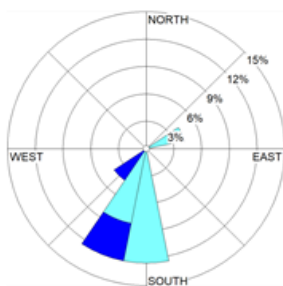
Date : Sep 23-24, 2025



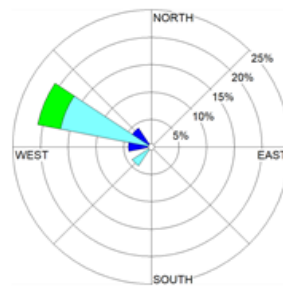
Date : Sep 24-25, 2025



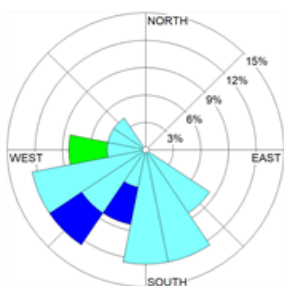
Date : Sep 25-26, 2025



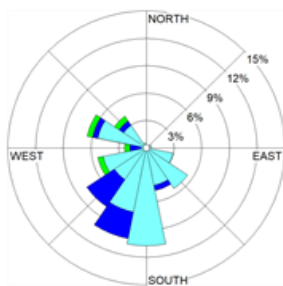
Date : Sep 26-27, 2025



Date : Sep 27-28, 2025



Date : Sep 28-29, 2025



Date : Sep 22-29, 2025

WS (m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	2.38
1.7-3.3	9.52
0.3-1.7	49.41
Calms	38.69

Location : บ้านอ่าวประดู่ (โรงพยาบาลส่งเสริมสุขภาพตำบลตากวน) (GPS 47P 0735531, 1402769)

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

Approved by

Sarayuth Jitranont
Assistant General Manager



Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

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

Lot ID: 2587988

Date Received :Sep 29, 2025

Date Reported :Oct 03, 2025

Report Number :3409379-1 C8

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Page 1 of 2

Sample Number 2587988-1 to 7
Parameter Wind Speed / Wind Direction
Location บ้านมาบตาพุด (GPS 47P 0735346, 1406705)
Sampling Date Sep 22 - Sep 29, 2025
Sampling by Nontachai Uppathamp

Time	Sep 22 - Sep 23, 2025			Sep 23 - Sep 24, 2025			Sep 24 - Sep 25, 2025			Sep 25 - Sep 26, 2025			Sep 26 - Sep 27, 2025			Sep 27 - Sep 28, 2025			Sep 28 - Sep 29, 2025		
	WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)	
09:00 AM - 10:00 AM	2.9	170.0	S	1.8	121.0	ESE	2.2	170.0	S	2.1	120.0	ESE	2.1	92.0	E	0.6	0.0	N	1.5	63.0	ENE
10:00 AM - 11:00 AM	1.6	134.0	SE	3.3	125.0	SE	0.9	117.0	ESE	2.9	121.0	ESE	2.3	84.0	E	2.2	223.0	SW	0.6	162.0	SSE
11:00 AM - 12:00 PM	3.2	161.0	SSE	3.2	188.0	S	5.0	86.0	E	3.0	137.0	SE	2.4	84.0	E	1.9	134.0	SE	2.6	117.0	ESE
12:00 PM - 01:00 PM	2.3	125.0	SE	1.3	136.0	SE	2.3	120.0	ESE	2.2	111.0	ESE	5.8	129.0	SE	2.3	169.0	S	9.6	53.0	NE
01:00 PM - 02:00 PM	2.8	69.0	ENE	2.6	118.0	ESE	2.3	101.0	E	2.7	123.0	ESE	1.9	127.0	SE	4.8	0.0	N	3.3	93.0	E
02:00 PM - 03:00 PM	2.1	128.0	SE	1.8	133.0	SE	1.8	110.0	ESE	2.0	86.0	E	0.4	100.0	E	2.6	206.0	SSW	1.7	204.0	SSW
03:00 PM - 04:00 PM	2.0	132.0	SE	1.0	120.0	ESE	1.7	85.0	E	2.8	127.0	SE	4.3	143.0	SE	1.3	106.0	ESE	0.0	-	-
04:00 PM - 05:00 PM	0.8	145.0	SE	1.4	93.0	E	1.5	106.0	ESE	1.7	103.0	ESE	2.2	65.0	ENE	0.9	0.0	N	0.6	161.0	SSE
05:00 PM - 06:00 PM	1.1	120.0	ESE	0.6	112.0	ESE	2.4	102.0	ESE	4.8	144.0	SE	1.5	81.0	E	0.4	92.0	E	1.5	128.0	SE
06:00 PM - 07:00 PM	5.3	166.0	SSE	4.4	91.0	E	1.3	134.0	SE	2.1	113.0	ESE	1.6	139.0	SE	0.0	-	-	1.8	72.0	ENE
07:00 PM - 08:00 PM	2.9	126.0	SE	2.0	98.0	E	1.2	128.0	SE	0.6	107.0	ESE	1.2	119.0	ESE	0.8	0.0	N	2.1	86.0	E
08:00 PM - 09:00 PM	1.1	95.0	E	1.0	97.0	E	0.4	137.0	SE	1.3	90.0	E	1.0	98.0	E	2.0	117.0	ESE	1.1	129.0	SE
09:00 PM - 10:00 PM	2.0	126.0	SE	0.0	-	-	0.0	-	-	1.4	103.0	ESE	0.0	-	-	1.9	56.0	NE	2.9	116.0	ESE
10:00 PM - 11:00 PM	4.0	129.0	SE	4.0	128.0	SE	1.2	153.0	SSE	2.8	103.0	ESE	1.5	101.0	E	3.0	0.0	N	1.5	141.0	SE
11:00 PM - 12:00 AM	2.7	109.0	ESE	3.0	101.0	E	4.4	134.0	SE	5.2	134.0	SE	1.8	148.0	SSE	1.1	0.0	N	5.7	138.0	SE
12:00 AM - 01:00 AM	0.8	125.0	SE	5.3	80.0	E	0.4	111.0	ESE	1.3	103.0	ESE	1.8	111.0	ESE	0.0	-	-	0.9	97.0	E
01:00 AM - 02:00 AM	0.9	137.0	SE	2.2	126.0	SE	0.7	153.0	SSE	0.6	91.0	E	1.4	0.0	N	1.2	0.0	N	1.2	115.0	ESE
02:00 AM - 03:00 AM	0.3	118.0	ESE	0.5	161.0	SSE	1.6	137.0	SE	2.4	120.0	ESE	1.3	114.0	ESE	1.4	0.0	N	0.9	122.0	ESE
03:00 AM - 04:00 AM	2.8	96.0	E	1.8	104.0	ESE	0.7	124.0	SE	3.9	77.0	ENE	0.0	-	-	0.0	-	-	1.6	133.0	SE
04:00 AM - 05:00 AM	1.2	133.0	SE	1.0	111.0	ESE	3.8	118.0	ESE	1.9	79.0	E	0.0	-	-	2.3	0.0	N	0.9	108.0	ESE
05:00 AM - 06:00 AM	0.8	120.0	ESE	0.9	107.0	ESE	0.0	-	-	3.9	123.0	ESE	1.5	0.0	N	0.0	-	-	1.3	109.0	ESE
06:00 AM - 07:00 AM	0.0	-	-	1.4	146.0	SE	1.6	90.0	E	1.4	114.0	ESE	3.1	60.0	ENE	1.5	0.0	N	1.3	138.0	SE
07:00 AM - 08:00 AM	1.8	93.0	E	1.0	131.0	SE	1.1	100.0	E	1.2	110.0	ESE	2.0	0.0	N	2.4	0.0	N	1.0	145.0	SE
08:00 AM - 09:00 AM	0.9	122.0	ESE	0.9	86.0	E	0.6	116.0	ESE	1.2	117.0	ESE	0.0	-	-	1.9	0.0	N	1.5	165.0	SSE

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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

Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

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

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2587988

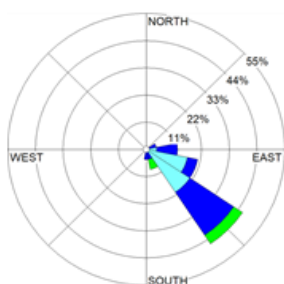
Date Received :Sep 29, 2025

Date Reported :Oct 03, 2025

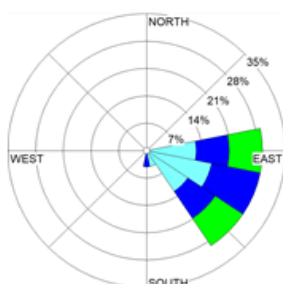
Report Number :3409379-1 C8

Page 2 of 2

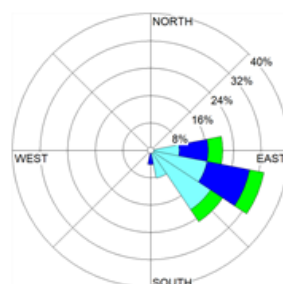
Wind Rose



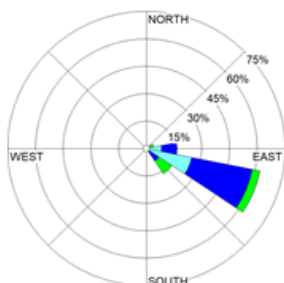
Date : Sep 22-23, 2025



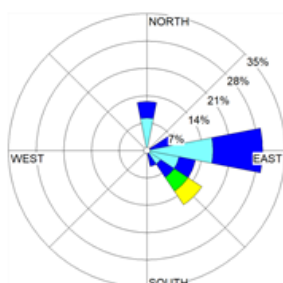
Date : Sep 23-24, 2025



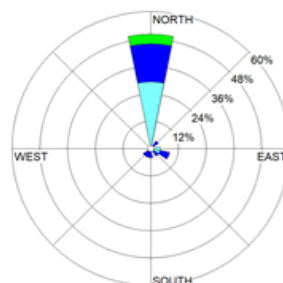
Date : Sep 24-25, 2025



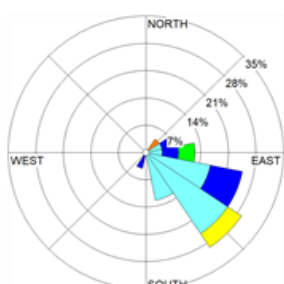
Date : Sep 25-26, 2025



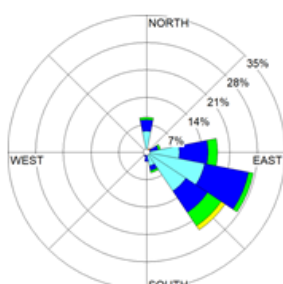
Date : Sep 26-27, 2025



Date : Sep 27-28, 2025



Date : Sep 28-29, 2025



Date : Sep 22-29, 2025

WS (m/s)	%
≥ 10.0	0.00
8.0-10.0	0.60
5.5-8.0	1.19
3.3-5.5	9.52
1.7-3.3	36.31
0.3-1.7	44.64
Calms	7.74

Location : บ้านมาตาฟุด (GPS 47P 0735346, 1406705)

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

Approved by

Sarayuth Jitranont
Assistant General Manager

ภาคผนวก ค-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 : 4516912284

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2574209

Date Received : Aug 27, 2025

Date Reported : Sep 02, 2025

Report Number: 3396671-1

Page 1 of 1

Sample Number : 2574209-1
Parameter : Noise (Leq 24 hrs.)
Location : ชุมชนวัดโสภณ (GPS 47P 0735038, 1405843)
Measurement Date : Aug 19 - Aug 20, 2025
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 873109

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	57.0	80.7	47.9
11:00 AM - 12:00 PM	54.4	80.5	49.8
12:00 PM - 01:00 PM	54.7	80.3	50.3
01:00 PM - 02:00 PM	57.6	84.3	51.2
02:00 PM - 03:00 PM	56.6	77.2	50.4
03:00 PM - 04:00 PM	55.0	70.9	51.2
04:00 PM - 05:00 PM	55.1	75.5	50.7
05:00 PM - 06:00 PM	52.9	67.6	49.9
06:00 PM - 07:00 PM	53.7	77.0	49.8
07:00 PM - 08:00 PM	53.6	80.0	48.5
08:00 PM - 09:00 PM	51.4	76.8	47.0
09:00 PM - 10:00 PM	50.5	68.7	46.5
10:00 PM - 11:00 PM	50.6	76.3	46.6
11:00 PM - 12:00 AM	49.2	68.5	46.5
12:00 AM - 01:00 AM	50.1	68.5	46.4
01:00 AM - 02:00 AM	48.0	61.2	46.0
02:00 AM - 03:00 AM	49.4	69.8	46.5
03:00 AM - 04:00 AM	48.1	61.9	46.0
04:00 AM - 05:00 AM	48.5	59.2	46.7
05:00 AM - 06:00 AM	58.1	94.0	48.4
06:00 AM - 07:00 AM	52.2	74.6	49.8
07:00 AM - 08:00 AM	56.7	77.8	51.9
08:00 AM - 09:00 AM	54.9	76.7	49.4
09:00 AM - 10:00 AM	51.9	70.8	47.0

Leq Average 24 hrs. (dB(A))

54.0

Lmax (dB(A))

94.0

L90 (dB(A))

48.4

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head



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 : 4516912284

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2574209

Date Received : Aug 27, 2025

Date Reported : Sep 02, 2025

Report Number: 3396672-1

Page 1 of 1

Sample Number 2574209-2
Parameter Noise (Leq 24 hrs.)
Location ชุมชนวัดโสภณ (GPS 47P 0735038, 1405843)
Measurement Date Aug 20 - Aug 21, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 873109

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	51.8	72.9	47.3
11:00 AM - 12:00 PM	53.7	86.4	47.7
12:00 PM - 01:00 PM	53.3	71.3	48.0
01:00 PM - 02:00 PM	53.3	68.1	47.5
02:00 PM - 03:00 PM	48.8	69.6	40.2
03:00 PM - 04:00 PM	49.2	67.2	41.9
04:00 PM - 05:00 PM	50.2	67.1	42.1
05:00 PM - 06:00 PM	50.2	71.3	42.5
06:00 PM - 07:00 PM	50.6	75.8	44.7
07:00 PM - 08:00 PM	58.2	73.4	53.5
08:00 PM - 09:00 PM	48.4	63.1	45.5
09:00 PM - 10:00 PM	50.7	59.4	48.0
10:00 PM - 11:00 PM	48.2	60.7	45.4
11:00 PM - 12:00 AM	49.0	60.0	47.8
12:00 AM - 01:00 AM	48.6	65.3	47.5
01:00 AM - 02:00 AM	49.9	58.5	48.8
02:00 AM - 03:00 AM	52.3	59.1	50.7
03:00 AM - 04:00 AM	53.0	61.7	51.9
04:00 AM - 05:00 AM	50.2	64.1	48.9
05:00 AM - 06:00 AM	48.4	60.9	46.7
06:00 AM - 07:00 AM	51.0	69.0	46.1
07:00 AM - 08:00 AM	50.5	69.5	44.7
08:00 AM - 09:00 AM	49.2	64.9	43.5
09:00 AM - 10:00 AM	48.7	68.4	42.1

Leq Average 24 hrs. (dB(A)) 51.5
Lmax (dB(A)) 86.4
L90 (dB(A)) 46.7

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head

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

Life Sciences

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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 : 4516912284

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2574209

Date Received : Aug 27, 2025

Date Reported : Sep 02, 2025

Report Number: 3396673-1

Page 1 of 1

Sample Number : 2574209-3
Parameter : Noise (Leq 24 hrs.)
Location : ชุมชนวัดโสภณ (GPS 47P 0735038, 1405843)
Measurement Date : Aug 21 - Aug 22, 2025
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 873109

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	50.0	73.3	41.8
11:00 AM - 12:00 PM	50.7	66.8	44.8
12:00 PM - 01:00 PM	49.9	68.4	44.1
01:00 PM - 02:00 PM	52.9	76.4	46.3
02:00 PM - 03:00 PM	51.4	71.8	49.6
03:00 PM - 04:00 PM	51.5	60.8	49.9
04:00 PM - 05:00 PM	53.2	74.1	50.0
05:00 PM - 06:00 PM	55.4	75.2	50.3
06:00 PM - 07:00 PM	59.3	77.6	55.6
07:00 PM - 08:00 PM	55.1	77.9	50.6
08:00 PM - 09:00 PM	53.9	67.7	50.0
09:00 PM - 10:00 PM	54.8	79.1	49.8
10:00 PM - 11:00 PM	51.3	67.5	47.9
11:00 PM - 12:00 AM	49.7	64.6	47.0
12:00 AM - 01:00 AM	50.6	73.4	47.3
01:00 AM - 02:00 AM	49.2	68.0	46.1
02:00 AM - 03:00 AM	49.5	75.1	44.9
03:00 AM - 04:00 AM	47.2	65.8	44.5
04:00 AM - 05:00 AM	48.3	70.0	44.6
05:00 AM - 06:00 AM	48.5	62.0	45.7
06:00 AM - 07:00 AM	51.3	71.0	47.9
07:00 AM - 08:00 AM	54.3	73.5	50.3
08:00 AM - 09:00 AM	57.8	75.9	51.4
09:00 AM - 10:00 AM	52.6	71.6	48.1

Leq Average 24 hrs. (dB(A))

53.2

Lmax (dB(A))

79.1

L90 (dB(A))

47.9

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head



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 : 4516912284

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2574209

Date Received : Aug 27, 2025

Date Reported : Sep 02, 2025

Report Number: 3396674-1

Page 1 of 1

Sample Number : 2574209-4
Parameter : Noise (Leq 24 hrs.)
Location : ชุมชนวัดโสภณ (GPS 47P 0735038, 1405843)
Measurement Date : Aug 22 - Aug 23, 2025
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 873109

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	55.2	77.1	49.3
11:00 AM - 12:00 PM	52.9	78.8	49.7
12:00 PM - 01:00 PM	53.8	76.8	50.7
01:00 PM - 02:00 PM	56.7	81.7	55.1
02:00 PM - 03:00 PM	53.8	75.3	50.6
03:00 PM - 04:00 PM	55.0	78.7	51.2
04:00 PM - 05:00 PM	55.4	79.2	50.4
05:00 PM - 06:00 PM	54.1	72.5	49.9
06:00 PM - 07:00 PM	52.4	68.5	49.0
07:00 PM - 08:00 PM	63.7	89.6	57.4
08:00 PM - 09:00 PM	66.3	95.3	62.5
09:00 PM - 10:00 PM	67.3	95.5	62.2
10:00 PM - 11:00 PM	57.0	87.6	55.1
11:00 PM - 12:00 AM	55.6	77.8	53.9
12:00 AM - 01:00 AM	50.4	63.2	49.4
01:00 AM - 02:00 AM	50.0	69.2	48.2
02:00 AM - 03:00 AM	66.3	94.1	56.8
03:00 AM - 04:00 AM	60.7	96.2	56.9
04:00 AM - 05:00 AM	53.9	70.2	50.4
05:00 AM - 06:00 AM	55.2	70.6	51.6
06:00 AM - 07:00 AM	55.7	73.0	52.0
07:00 AM - 08:00 AM	63.1	75.7	52.3
08:00 AM - 09:00 AM	60.3	81.7	49.0
09:00 AM - 10:00 AM	61.8	88.4	49.0

Leq Average 24 hrs. (dB(A))

60.5

Lmax (dB(A))

96.2

L90 (dB(A))

50.7

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head

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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 : 4516912284

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2574209

Date Received : Aug 27, 2025

Date Reported : Sep 02, 2025

Report Number: 3396675-1

Page 1 of 1

Sample Number : 2574209-5
Parameter : Noise (Leq 24 hrs.)
Location : ชุมชนวัดโสภณ (GPS 47P 0735038, 1405843)
Measurement Date : Aug 23 - Aug 24, 2025
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 873109

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	60.0	76.0	50.3
11:00 AM - 12:00 PM	58.7	77.4	52.2
12:00 PM - 01:00 PM	61.8	76.2	53.7
01:00 PM - 02:00 PM	61.1	77.6	55.5
02:00 PM - 03:00 PM	61.3	80.1	50.5
03:00 PM - 04:00 PM	55.9	78.0	49.5
04:00 PM - 05:00 PM	56.2	80.8	51.7
05:00 PM - 06:00 PM	54.2	68.9	50.5
06:00 PM - 07:00 PM	53.6	70.3	50.1
07:00 PM - 08:00 PM	52.3	70.8	48.5
08:00 PM - 09:00 PM	51.4	71.3	47.3
09:00 PM - 10:00 PM	51.5	76.1	47.4
10:00 PM - 11:00 PM	55.7	84.3	48.0
11:00 PM - 12:00 AM	53.9	72.8	50.4
12:00 AM - 01:00 AM	54.8	70.1	50.0
01:00 AM - 02:00 AM	53.7	64.2	49.8
02:00 AM - 03:00 AM	48.8	65.2	46.7
03:00 AM - 04:00 AM	50.6	70.8	46.9
04:00 AM - 05:00 AM	50.2	66.1	48.1
05:00 AM - 06:00 AM	51.8	66.4	49.2
06:00 AM - 07:00 AM	53.6	76.1	49.1
07:00 AM - 08:00 AM	52.6	73.7	48.6
08:00 AM - 09:00 AM	52.3	72.9	47.7
09:00 AM - 10:00 AM	51.0	66.6	47.5

Leq Average 24 hrs. (dB(A))

56.2

Lmax (dB(A))

84.3

L90 (dB(A))

49.2

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head



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 : 4516912284

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2574209

Date Received : Aug 27, 2025

Date Reported : Sep 02, 2025

Report Number: 3396676-1

Page 1 of 1

Sample Number 2574209-6
Parameter Noise (Leq 24 hrs.)
Location ชุมชนวัดโสภณ (GPS 47P 0735038, 1405843)
Measurement Date Aug 24 - Aug 25, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 873109

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	52.8	68.6	48.4
11:00 AM - 12:00 PM	54.2	69.5	50.3
12:00 PM - 01:00 PM	55.3	73.5	51.0
01:00 PM - 02:00 PM	54.1	62.9	50.3
02:00 PM - 03:00 PM	55.9	72.8	51.1
03:00 PM - 04:00 PM	55.6	67.8	51.2
04:00 PM - 05:00 PM	55.0	79.3	50.1
05:00 PM - 06:00 PM	53.0	73.0	49.1
06:00 PM - 07:00 PM	53.2	73.5	48.2
07:00 PM - 08:00 PM	52.7	69.1	48.4
08:00 PM - 09:00 PM	52.4	68.6	48.4
09:00 PM - 10:00 PM	52.9	73.4	48.9
10:00 PM - 11:00 PM	49.8	71.8	46.4
11:00 PM - 12:00 AM	49.2	64.9	46.6
12:00 AM - 01:00 AM	49.7	65.9	47.5
01:00 AM - 02:00 AM	49.8	61.9	47.5
02:00 AM - 03:00 AM	50.4	64.5	47.2
03:00 AM - 04:00 AM	50.0	68.5	46.8
04:00 AM - 05:00 AM	49.2	60.4	47.1
05:00 AM - 06:00 AM	53.5	75.5	49.8
06:00 AM - 07:00 AM	55.2	72.4	51.8
07:00 AM - 08:00 AM	53.7	70.1	50.5
08:00 AM - 09:00 AM	53.3	74.0	48.8
09:00 AM - 10:00 AM	53.7	71.5	49.6

Leq Average 24 hrs. (dB(A))

53.2

Lmax (dB(A))

79.3

L90 (dB(A))

48.8

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head



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 : 4516912284

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2574209

Date Received : Aug 27, 2025

Date Reported : Sep 02, 2025

Report Number: 3396677-1

Page 1 of 1

Sample Number : 2574209-7
Parameter : Noise (Leq 24 hrs.)
Location : ชุมชนวัดโสภณ (GPS 47P 0735038, 1405843)
Measurement Date : Aug 25 - Aug 26, 2025
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 873109

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	55.9	72.0	51.0
11:00 AM - 12:00 PM	58.0	68.7	53.5
12:00 PM - 01:00 PM	59.3	83.4	53.7
01:00 PM - 02:00 PM	59.5	78.6	54.4
02:00 PM - 03:00 PM	57.2	70.5	52.8
03:00 PM - 04:00 PM	57.3	77.0	53.4
04:00 PM - 05:00 PM	57.2	73.7	53.4
05:00 PM - 06:00 PM	56.5	72.3	52.3
06:00 PM - 07:00 PM	57.2	76.6	53.0
07:00 PM - 08:00 PM	57.6	69.3	52.9
08:00 PM - 09:00 PM	57.8	72.5	52.2
09:00 PM - 10:00 PM	57.4	74.5	51.1
10:00 PM - 11:00 PM	58.5	69.8	53.2
11:00 PM - 12:00 AM	54.5	71.4	49.6
12:00 AM - 01:00 AM	53.5	76.0	48.4
01:00 AM - 02:00 AM	51.8	65.9	47.6
02:00 AM - 03:00 AM	50.7	61.8	46.5
03:00 AM - 04:00 AM	52.8	65.9	48.3
04:00 AM - 05:00 AM	54.3	62.3	50.0
05:00 AM - 06:00 AM	58.9	72.2	53.8
06:00 AM - 07:00 AM	58.6	70.2	54.2
07:00 AM - 08:00 AM	58.3	78.7	53.3
08:00 AM - 09:00 AM	61.3	85.8	54.1
09:00 AM - 10:00 AM	58.6	70.5	53.5

Leq Average 24 hrs. (dB(A))

57.4

Lmax (dB(A))

85.8

L90 (dB(A))

52.9

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

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Chonticha Subongkoch
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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 : 4516912284

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2574209

Date Received : Aug 27, 2025

Date Reported : Sep 02, 2025

Report Number: 3396678-1

Page 1 of 1

Sample Number : 2574209-8
Parameter : Noise (Leq 24 hrs.)
Location : บ้านอ่าวประดู่ (ศูนย์บริการสาธารณสุขตากวน) (GPS 47P 0735578, 1402792)
Measurement Date : Aug 19 - Aug 20, 2025
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 1073423

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	50.8	68.8	45.1
11:00 AM - 12:00 PM	53.9	88.4	44.2
12:00 PM - 01:00 PM	53.8	75.1	45.3
01:00 PM - 02:00 PM	51.5	70.4	45.1
02:00 PM - 03:00 PM	53.8	72.1	45.1
03:00 PM - 04:00 PM	52.2	71.4	45.5
04:00 PM - 05:00 PM	51.5	74.9	46.6
05:00 PM - 06:00 PM	53.8	75.5	49.5
06:00 PM - 07:00 PM	56.1	80.1	48.7
07:00 PM - 08:00 PM	53.6	72.7	48.3
08:00 PM - 09:00 PM	53.4	74.7	48.8
09:00 PM - 10:00 PM	51.2	78.9	45.2
10:00 PM - 11:00 PM	48.2	61.5	44.6
11:00 PM - 12:00 AM	50.0	69.9	45.3
12:00 AM - 01:00 AM	49.4	71.7	45.0
01:00 AM - 02:00 AM	47.9	69.8	44.7
02:00 AM - 03:00 AM	49.9	63.7	46.7
03:00 AM - 04:00 AM	49.7	69.6	43.6
04:00 AM - 05:00 AM	51.0	76.2	44.7
05:00 AM - 06:00 AM	52.4	69.4	45.0
06:00 AM - 07:00 AM	56.7	69.8	52.4
07:00 AM - 08:00 AM	57.2	70.8	53.4
08:00 AM - 09:00 AM	54.2	86.4	47.4
09:00 AM - 10:00 AM	53.3	71.3	45.3

Leq Average 24 hrs. (dB(A))

53.0

Lmax (dB(A))

88.4

L90 (dB(A))

45.3

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head



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 : 4516912284

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2574209

Date Received : Aug 27, 2025

Date Reported : Sep 02, 2025

Report Number: 3396679-1

Page 1 of 1

Sample Number 2574209-9
Parameter Noise (Leq 24 hrs.)
Location บ้านอ่าวประดู่ (ศูนย์บริการสาธารณสุขตากวน) (GPS 47P 0735578, 1402792)
Measurement Date Aug 20 - Aug 21, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 1073423

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	59.3	80.6	54.6
11:00 AM - 12:00 PM	57.5	81.5	51.3
12:00 PM - 01:00 PM	54.8	78.8	46.3
01:00 PM - 02:00 PM	51.1	65.1	44.6
02:00 PM - 03:00 PM	57.9	92.1	46.5
03:00 PM - 04:00 PM	62.0	96.8	48.7
04:00 PM - 05:00 PM	53.7	76.5	47.4
05:00 PM - 06:00 PM	52.0	67.4	45.5
06:00 PM - 07:00 PM	51.2	66.9	44.7
07:00 PM - 08:00 PM	51.1	66.7	45.1
08:00 PM - 09:00 PM	50.7	76.9	43.6
09:00 PM - 10:00 PM	48.8	66.7	42.4
10:00 PM - 11:00 PM	50.4	72.8	42.6
11:00 PM - 12:00 AM	47.4	65.8	41.1
12:00 AM - 01:00 AM	47.4	72.1	40.9
01:00 AM - 02:00 AM	46.6	62.9	41.3
02:00 AM - 03:00 AM	46.3	59.6	40.3
03:00 AM - 04:00 AM	47.4	63.0	40.9
04:00 AM - 05:00 AM	49.8	63.7	42.4
05:00 AM - 06:00 AM	52.3	71.7	45.7
06:00 AM - 07:00 AM	54.9	75.6	50.3
07:00 AM - 08:00 AM	55.1	71.1	50.0
08:00 AM - 09:00 AM	60.1	87.4	47.7
09:00 AM - 10:00 AM	63.7	92.9	50.5

Leq Average 24 hrs. (dB(A)) 56.0
Lmax (dB(A)) 96.8
L90 (dB(A)) 45.1

Standard (dB(A)) 70 115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head

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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 : 4516912284

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2574209

Date Received : Aug 27, 2025

Date Reported : Sep 02, 2025

Report Number: 3396680-1

Page 1 of 1

Sample Number 2574209-10
Parameter Noise (Leq 24 hrs.)
Location บ้านอ่าวประดู่ (ศูนย์บริการสาธารณสุขตากวน) (GPS 47P 0735578, 1402792)
Measurement Date Aug 21 - Aug 22, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 1073423

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	56.0	86.9	47.3
11:00 AM - 12:00 PM	53.1	73.1	45.9
12:00 PM - 01:00 PM	51.1	69.7	45.0
01:00 PM - 02:00 PM	50.1	71.1	43.8
02:00 PM - 03:00 PM	50.8	67.1	44.5
03:00 PM - 04:00 PM	51.1	67.7	44.8
04:00 PM - 05:00 PM	57.0	80.3	47.2
05:00 PM - 06:00 PM	61.3	83.8	54.9
06:00 PM - 07:00 PM	53.2	73.2	47.6
07:00 PM - 08:00 PM	53.2	72.3	47.1
08:00 PM - 09:00 PM	53.4	77.5	46.5
09:00 PM - 10:00 PM	52.6	81.2	45.5
10:00 PM - 11:00 PM	52.3	77.3	44.1
11:00 PM - 12:00 AM	49.4	72.7	42.5
12:00 AM - 01:00 AM	46.6	61.7	40.7
01:00 AM - 02:00 AM	48.3	71.0	41.4
02:00 AM - 03:00 AM	46.8	62.7	39.5
03:00 AM - 04:00 AM	50.0	74.4	40.8
04:00 AM - 05:00 AM	50.9	65.7	43.0
05:00 AM - 06:00 AM	52.4	73.1	44.9
06:00 AM - 07:00 AM	56.1	85.5	49.3
07:00 AM - 08:00 AM	54.7	73.4	48.7
08:00 AM - 09:00 AM	53.0	70.2	46.7
09:00 AM - 10:00 AM	53.4	73.7	47.0

Leq Average 24 hrs. (dB(A)) 53.7
Lmax (dB(A)) 86.9
L90 (dB(A)) 45.0

Standard (dB(A)) 70 115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head

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Life Sciences

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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 : 4516912284

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2574209

Date Received : Aug 27, 2025

Date Reported : Sep 02, 2025

Report Number: 3396681-1

Page 1 of 1

Sample Number 2574209-11
Parameter Noise (Leq 24 hrs.)
Location บ้านอ่าวประดู่ (ศูนย์บริการสาธารณสุขตากวน) (GPS 47P 0735578, 1402792)
Measurement Date Aug 22 - Aug 23, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 1073423

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	52.4	73.1	46.7
11:00 AM - 12:00 PM	51.9	69.0	45.7
12:00 PM - 01:00 PM	51.8	70.5	45.6
01:00 PM - 02:00 PM	51.8	69.2	47.9
02:00 PM - 03:00 PM	57.7	88.2	47.7
03:00 PM - 04:00 PM	52.3	81.2	46.1
04:00 PM - 05:00 PM	52.0	85.0	46.3
05:00 PM - 06:00 PM	51.4	70.1	47.0
06:00 PM - 07:00 PM	51.4	70.4	47.3
07:00 PM - 08:00 PM	65.0	91.7	61.7
08:00 PM - 09:00 PM	64.9	85.9	61.1
09:00 PM - 10:00 PM	66.7	86.6	63.5
10:00 PM - 11:00 PM	51.7	75.2	47.9
11:00 PM - 12:00 AM	52.7	69.0	50.1
12:00 AM - 01:00 AM	50.0	71.4	47.4
01:00 AM - 02:00 AM	51.8	80.4	48.0
02:00 AM - 03:00 AM	58.4	85.5	50.4
03:00 AM - 04:00 AM	58.8	78.1	54.3
04:00 AM - 05:00 AM	55.0	64.0	51.2
05:00 AM - 06:00 AM	54.6	72.6	50.7
06:00 AM - 07:00 AM	57.5	85.6	50.4
07:00 AM - 08:00 AM	58.4	91.9	49.6
08:00 AM - 09:00 AM	56.7	87.8	46.2
09:00 AM - 10:00 AM	50.5	75.2	44.5

Leq Average 24 hrs. (dB(A))

58.6

Lmax (dB(A))

91.9

L90 (dB(A))

47.9

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head



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 : 4516912284

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2574209

Date Received : Aug 27, 2025

Date Reported : Sep 02, 2025

Report Number: 3396682-1

Page 1 of 1

Sample Number 2574209-12
Parameter Noise (Leq 24 hrs.)
Location บ้านอ่าวประดู่ (ศูนย์บริการสาธารณสุขตากวน) (GPS 47P 0735578, 1402792)
Measurement Date Aug 23 - Aug 24, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 1073423

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	48.5	69.4	43.9
11:00 AM - 12:00 PM	48.5	68.1	44.1
12:00 PM - 01:00 PM	49.7	71.6	45.1
01:00 PM - 02:00 PM	50.7	80.4	45.3
02:00 PM - 03:00 PM	48.6	73.1	44.4
03:00 PM - 04:00 PM	51.1	73.8	44.6
04:00 PM - 05:00 PM	51.1	70.6	45.4
05:00 PM - 06:00 PM	51.8	68.6	47.4
06:00 PM - 07:00 PM	51.6	68.8	46.8
07:00 PM - 08:00 PM	51.2	73.7	45.7
08:00 PM - 09:00 PM	50.8	71.5	45.9
09:00 PM - 10:00 PM	50.7	73.8	45.2
10:00 PM - 11:00 PM	51.1	78.5	45.2
11:00 PM - 12:00 AM	50.0	75.7	45.6
12:00 AM - 01:00 AM	50.0	70.5	45.3
01:00 AM - 02:00 AM	49.3	71.5	45.8
02:00 AM - 03:00 AM	51.6	74.5	45.7
03:00 AM - 04:00 AM	48.9	71.6	43.7
04:00 AM - 05:00 AM	48.0	71.4	43.9
05:00 AM - 06:00 AM	49.8	66.6	43.6
06:00 AM - 07:00 AM	52.9	78.9	46.4
07:00 AM - 08:00 AM	51.8	72.5	46.0
08:00 AM - 09:00 AM	50.9	71.1	44.3
09:00 AM - 10:00 AM	49.6	72.7	44.4

Leq Average 24 hrs. (dB(A)) 50.5
Lmax (dB(A)) 80.4
L90 (dB(A)) 45.2

Standard (dB(A)) 70 115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

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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 : 4516912284

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2574209

Date Received : Aug 27, 2025

Date Reported : Sep 02, 2025

Report Number: 3396683-1

Page 1 of 1

Sample Number 2574209-13
Parameter Noise (Leq 24 hrs.)
Location บ้านอ่าวประดู่ (ศูนย์บริการสาธารณสุขตากวน) (GPS 47P 0735578, 1402792)
Measurement Date Aug 24 - Aug 25, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 1073423

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	46.9	64.6	43.1
11:00 AM - 12:00 PM	48.8	67.5	44.5
12:00 PM - 01:00 PM	48.8	67.4	44.5
01:00 PM - 02:00 PM	48.7	71.2	44.1
02:00 PM - 03:00 PM	60.6	72.8	47.9
03:00 PM - 04:00 PM	51.4	71.8	45.7
04:00 PM - 05:00 PM	50.6	71.6	45.8
05:00 PM - 06:00 PM	51.5	69.5	46.8
06:00 PM - 07:00 PM	52.3	70.0	47.2
07:00 PM - 08:00 PM	51.4	83.0	44.9
08:00 PM - 09:00 PM	51.7	76.2	46.6
09:00 PM - 10:00 PM	49.8	75.3	44.7
10:00 PM - 11:00 PM	49.6	77.2	43.0
11:00 PM - 12:00 AM	50.4	82.8	42.4
12:00 AM - 01:00 AM	47.8	73.4	41.9
01:00 AM - 02:00 AM	47.4	71.1	42.9
02:00 AM - 03:00 AM	47.9	73.9	43.7
03:00 AM - 04:00 AM	46.7	68.5	43.8
04:00 AM - 05:00 AM	47.5	69.0	44.1
05:00 AM - 06:00 AM	50.6	65.8	44.1
06:00 AM - 07:00 AM	57.3	83.4	48.2
07:00 AM - 08:00 AM	53.0	77.6	48.2
08:00 AM - 09:00 AM	50.6	73.2	45.2
09:00 AM - 10:00 AM	47.9	69.2	43.2

Leq Average 24 hrs. (dB(A))

52.1

Lmax (dB(A))

83.4

L90 (dB(A))

44.5

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

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Supot Salamteh
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 : 4516912284

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2574209

Date Received : Aug 27, 2025

Date Reported : Sep 02, 2025

Report Number: 3396684-1

Page 1 of 1

Sample Number 2574209-14
Parameter Noise (Leq 24 hrs.)
Location บ้านอ่าวประดู่ (ศูนย์บริการสาธารณสุขตากวน) (GPS 47P 0735578, 1402792)
Measurement Date Aug 25 - Aug 26, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 1073423

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	47.7	72.1	43.7
11:00 AM - 12:00 PM	48.2	62.3	44.8
12:00 PM - 01:00 PM	50.1	67.5	46.7
01:00 PM - 02:00 PM	50.1	68.7	47.2
02:00 PM - 03:00 PM	55.9	86.8	46.3
03:00 PM - 04:00 PM	50.9	75.2	46.5
04:00 PM - 05:00 PM	52.0	70.4	47.9
05:00 PM - 06:00 PM	51.1	67.5	47.6
06:00 PM - 07:00 PM	50.8	69.0	47.4
07:00 PM - 08:00 PM	50.5	69.2	46.6
08:00 PM - 09:00 PM	51.3	78.6	46.5
09:00 PM - 10:00 PM	51.9	77.5	46.4
10:00 PM - 11:00 PM	52.0	72.7	47.9
11:00 PM - 12:00 AM	49.8	69.0	46.5
12:00 AM - 01:00 AM	48.5	66.9	45.0
01:00 AM - 02:00 AM	47.4	73.8	43.4
02:00 AM - 03:00 AM	45.6	65.6	42.1
03:00 AM - 04:00 AM	55.9	92.1	41.7
04:00 AM - 05:00 AM	47.6	79.2	42.3
05:00 AM - 06:00 AM	50.1	69.3	45.5
06:00 AM - 07:00 AM	56.6	86.9	48.4
07:00 AM - 08:00 AM	54.2	74.5	49.6
08:00 AM - 09:00 AM	52.0	68.5	47.6
09:00 AM - 10:00 AM	49.5	67.1	45.8

Leq Average 24 hrs. (dB(A))

51.7

Lmax (dB(A))

92.1

L90 (dB(A))

46.5

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
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 : 4516912284

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2574209

Date Received : Aug 27, 2025

Date Reported : Sep 02, 2025

Report Number: 3396685-1

Page 1 of 1

Sample Number 2574209-15
Parameter Noise (Leq 24 hrs.)
Location ร่มรั้วโครงการด้านทิศใต้ (GPS 47P 0733727, 1404233)
Measurement Date Aug 19 - Aug 20, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 873057

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	62.3	67.2	61.8
11:00 AM - 12:00 PM	62.3	71.3	61.8
12:00 PM - 01:00 PM	62.3	65.7	61.8
01:00 PM - 02:00 PM	62.5	68.4	62.0
02:00 PM - 03:00 PM	62.3	71.9	61.9
03:00 PM - 04:00 PM	62.3	66.4	61.8
04:00 PM - 05:00 PM	62.5	76.6	61.8
05:00 PM - 06:00 PM	62.8	75.1	62.2
06:00 PM - 07:00 PM	63.5	77.7	62.8
07:00 PM - 08:00 PM	62.9	67.4	62.5
08:00 PM - 09:00 PM	62.7	71.7	62.3
09:00 PM - 10:00 PM	62.4	65.1	62.1
10:00 PM - 11:00 PM	62.7	66.8	62.3
11:00 PM - 12:00 AM	62.9	66.8	62.5
12:00 AM - 01:00 AM	62.7	65.6	62.4
01:00 AM - 02:00 AM	62.7	65.9	62.3
02:00 AM - 03:00 AM	62.8	67.0	62.4
03:00 AM - 04:00 AM	62.6	67.4	62.3
04:00 AM - 05:00 AM	62.7	65.3	62.3
05:00 AM - 06:00 AM	62.9	66.7	62.5
06:00 AM - 07:00 AM	62.5	66.4	62.2
07:00 AM - 08:00 AM	62.2	69.9	61.7
08:00 AM - 09:00 AM	61.7	65.6	61.3
09:00 AM - 10:00 AM	61.6	68.8	61.1

Leq Average 24 hrs. (dB(A))

62.6

Lmax (dB(A))

77.7

L90 (dB(A))

62.2

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head

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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 : 4516912284

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2574209

Date Received : Aug 27, 2025

Date Reported : Sep 02, 2025

Report Number: 3396686-1

Page 1 of 1

Sample Number : 2574209-16
Parameter : Noise (Leq 24 hrs.)
Location : ร่มรั้วโครงการด้านทิศใต้ (GPS 47P 0733727, 1404233)
Measurement Date : Aug 20 - Aug 21, 2025
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 873057

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	62.0	71.3	61.6
11:00 AM - 12:00 PM	62.1	70.9	61.5
12:00 PM - 01:00 PM	61.7	69.3	61.3
01:00 PM - 02:00 PM	62.0	74.5	61.2
02:00 PM - 03:00 PM	61.5	73.2	60.9
03:00 PM - 04:00 PM	61.7	75.1	61.3
04:00 PM - 05:00 PM	61.9	66.1	61.5
05:00 PM - 06:00 PM	63.8	89.9	61.8
06:00 PM - 07:00 PM	63.8	79.8	62.5
07:00 PM - 08:00 PM	62.6	71.8	62.3
08:00 PM - 09:00 PM	62.3	69.4	61.9
09:00 PM - 10:00 PM	62.2	66.6	61.9
10:00 PM - 11:00 PM	62.1	66.5	61.8
11:00 PM - 12:00 AM	62.4	65.9	62.1
12:00 AM - 01:00 AM	62.4	68.3	62.0
01:00 AM - 02:00 AM	62.4	65.3	62.1
02:00 AM - 03:00 AM	62.2	64.3	61.9
03:00 AM - 04:00 AM	62.2	65.6	62.0
04:00 AM - 05:00 AM	62.3	69.1	62.0
05:00 AM - 06:00 AM	62.4	70.5	62.0
06:00 AM - 07:00 AM	62.4	75.0	61.7
07:00 AM - 08:00 AM	61.9	71.8	61.4
08:00 AM - 09:00 AM	61.5	66.9	61.1
09:00 AM - 10:00 AM	61.9	76.5	61.5

Leq Average 24 hrs. (dB(A))

62.3

Lmax (dB(A))

89.9

L90 (dB(A))

61.8

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head



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 : 4516912284

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2574209

Date Received : Aug 27, 2025

Date Reported : Sep 02, 2025

Report Number: 3396687-1

Page 1 of 1

Sample Number 2574209-17
Parameter Noise (Leq 24 hrs.)
Location ร่มรั้วโครงการด้านทิศใต้ (GPS 47P 0733727, 1404233)
Measurement Date Aug 21 - Aug 22, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 873057

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	61.9	79.0	61.4
11:00 AM - 12:00 PM	62.4	77.2	61.9
12:00 PM - 01:00 PM	63.4	83.1	62.4
01:00 PM - 02:00 PM	63.5	81.9	62.7
02:00 PM - 03:00 PM	62.3	70.4	61.8
03:00 PM - 04:00 PM	62.3	69.4	61.9
04:00 PM - 05:00 PM	62.3	72.0	61.8
05:00 PM - 06:00 PM	62.4	72.3	61.9
06:00 PM - 07:00 PM	62.7	67.6	62.2
07:00 PM - 08:00 PM	62.4	69.1	61.9
08:00 PM - 09:00 PM	62.9	76.8	62.1
09:00 PM - 10:00 PM	62.5	72.1	62.1
10:00 PM - 11:00 PM	62.6	69.6	62.0
11:00 PM - 12:00 AM	62.4	66.9	61.9
12:00 AM - 01:00 AM	62.4	72.7	61.9
01:00 AM - 02:00 AM	62.5	65.4	62.1
02:00 AM - 03:00 AM	62.6	66.0	62.1
03:00 AM - 04:00 AM	62.6	65.3	62.2
04:00 AM - 05:00 AM	62.5	72.1	62.0
05:00 AM - 06:00 AM	62.5	74.0	62.2
06:00 AM - 07:00 AM	62.7	71.3	62.3
07:00 AM - 08:00 AM	62.2	67.5	61.8
08:00 AM - 09:00 AM	62.8	70.3	62.3
09:00 AM - 10:00 AM	62.5	65.7	62.1

Leq Average 24 hrs. (dB(A)) 62.6
Lmax (dB(A)) 83.1
L90 (dB(A)) 62.0

Standard (dB(A)) 70 115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
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 : 4516912284

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2574209

Date Received : Aug 27, 2025

Date Reported : Sep 02, 2025

Report Number: 3396688-1

Page 1 of 1

Sample Number 2574209-18
Parameter Noise (Leq 24 hrs.)
Location ร่มรั้วโครงการด้านทิศใต้ (GPS 47P 0733727, 1404233)
Measurement Date Aug 22 - Aug 23, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 873057

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	61.7	67.9	61.2
11:00 AM - 12:00 PM	63.2	76.2	61.1
12:00 PM - 01:00 PM	62.2	68.2	61.7
01:00 PM - 02:00 PM	62.5	82.6	62.0
02:00 PM - 03:00 PM	62.1	69.8	61.7
03:00 PM - 04:00 PM	61.7	71.1	61.2
04:00 PM - 05:00 PM	62.2	71.3	61.6
05:00 PM - 06:00 PM	62.9	80.3	61.9
06:00 PM - 07:00 PM	63.3	86.2	62.3
07:00 PM - 08:00 PM	62.2	69.7	61.7
08:00 PM - 09:00 PM	63.5	76.9	62.7
09:00 PM - 10:00 PM	64.3	81.5	63.1
10:00 PM - 11:00 PM	63.8	68.3	63.2
11:00 PM - 12:00 AM	63.2	66.1	62.8
12:00 AM - 01:00 AM	62.7	68.2	62.3
01:00 AM - 02:00 AM	62.5	65.0	62.2
02:00 AM - 03:00 AM	62.6	64.9	62.2
03:00 AM - 04:00 AM	62.6	70.2	62.2
04:00 AM - 05:00 AM	62.7	65.1	62.3
05:00 AM - 06:00 AM	63.0	67.8	62.5
06:00 AM - 07:00 AM	62.7	69.1	62.3
07:00 AM - 08:00 AM	62.5	69.3	62.1
08:00 AM - 09:00 AM	62.0	66.4	61.5
09:00 AM - 10:00 AM	62.2	70.7	61.7

Leq Average 24 hrs. (dB(A))

62.7

Lmax (dB(A))

86.2

L90 (dB(A))

62.1

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head



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 : 4516912284

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2574209

Date Received : Aug 27, 2025

Date Reported : Sep 02, 2025

Report Number: 3396689-1

Page 1 of 1

Sample Number : 2574209-19
Parameter : Noise (Leq 24 hrs.)
Location : ร่มรั้วโครงการด้านทิศใต้ (GPS 47P 0733727, 1404233)
Measurement Date : Aug 23 - Aug 24, 2025
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 873057

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	62.6	76.5	61.9
11:00 AM - 12:00 PM	62.3	71.5	61.7
12:00 PM - 01:00 PM	62.2	72.3	61.6
01:00 PM - 02:00 PM	62.6	72.2	61.9
02:00 PM - 03:00 PM	62.4	76.5	61.8
03:00 PM - 04:00 PM	62.1	75.9	61.5
04:00 PM - 05:00 PM	62.3	73.8	61.8
05:00 PM - 06:00 PM	62.9	72.5	62.2
06:00 PM - 07:00 PM	63.1	73.6	62.6
07:00 PM - 08:00 PM	63.0	71.7	62.5
08:00 PM - 09:00 PM	62.7	67.0	62.2
09:00 PM - 10:00 PM	62.5	66.4	62.1
10:00 PM - 11:00 PM	62.4	64.4	62.1
11:00 PM - 12:00 AM	62.5	65.6	62.1
12:00 AM - 01:00 AM	62.8	66.7	62.3
01:00 AM - 02:00 AM	63.1	65.3	62.5
02:00 AM - 03:00 AM	63.1	65.3	62.6
03:00 AM - 04:00 AM	62.9	66.3	62.5
04:00 AM - 05:00 AM	62.8	65.2	62.3
05:00 AM - 06:00 AM	62.7	72.2	62.2
06:00 AM - 07:00 AM	62.8	68.1	62.2
07:00 AM - 08:00 AM	62.7	67.5	62.2
08:00 AM - 09:00 AM	62.3	66.0	61.7
09:00 AM - 10:00 AM	62.2	77.5	61.5

Leq Average 24 hrs. (dB(A))

62.6

Lmax (dB(A))

77.5

L90 (dB(A))

62.1

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head



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 : 4516912284

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2574209

Date Received : Aug 27, 2025

Date Reported : Sep 02, 2025

Report Number: 3396690-1

Page 1 of 1

Sample Number 2574209-20
Parameter Noise (Leq 24 hrs.)
Location ร่มรั้วโครงการด้านทิศใต้ (GPS 47P 0733727, 1404233)
Measurement Date Aug 24 - Aug 25, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 873057

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	61.9	72.4	61.3
11:00 AM - 12:00 PM	61.9	73.0	61.3
12:00 PM - 01:00 PM	62.0	67.6	61.4
01:00 PM - 02:00 PM	61.9	74.8	61.3
02:00 PM - 03:00 PM	61.9	67.1	61.4
03:00 PM - 04:00 PM	62.0	69.7	61.4
04:00 PM - 05:00 PM	62.0	70.6	61.4
05:00 PM - 06:00 PM	62.6	73.6	62.0
06:00 PM - 07:00 PM	63.1	81.8	62.3
07:00 PM - 08:00 PM	62.6	67.4	62.1
08:00 PM - 09:00 PM	62.7	65.5	62.2
09:00 PM - 10:00 PM	62.8	69.0	62.3
10:00 PM - 11:00 PM	62.5	68.9	62.1
11:00 PM - 12:00 AM	62.6	67.5	62.2
12:00 AM - 01:00 AM	62.7	65.0	62.3
01:00 AM - 02:00 AM	62.6	65.1	62.2
02:00 AM - 03:00 AM	62.7	65.5	62.2
03:00 AM - 04:00 AM	62.7	66.3	62.2
04:00 AM - 05:00 AM	62.8	66.5	62.2
05:00 AM - 06:00 AM	62.8	74.0	62.4
06:00 AM - 07:00 AM	63.0	75.2	62.4
07:00 AM - 08:00 AM	62.9	69.9	62.3
08:00 AM - 09:00 AM	62.3	72.0	61.7
09:00 AM - 10:00 AM	62.4	78.2	61.4

Leq Average 24 hrs. (dB(A)) 62.5
Lmax (dB(A)) 81.8
L90 (dB(A)) 62.1

Standard (dB(A)) 70 115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
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Supot S

Supot Salamteh
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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 : 4516912284

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2574209

Date Received : Aug 27, 2025

Date Reported : Sep 02, 2025

Report Number: 3396691-1

Page 1 of 1

Sample Number 2574209-21
Parameter Noise (Leq 24 hrs.)
Location ร่มรั้วโครงการด้านทิศใต้ (GPS 47P 0733727, 1404233)
Measurement Date Aug 25 - Aug 26, 2025
Measurement by Apichart Wilars
Sound Level meter Serial No. 873057

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	62.7	82.9	61.5
11:00 AM - 12:00 PM	64.3	82.7	61.4
12:00 PM - 01:00 PM	62.0	72.5	61.4
01:00 PM - 02:00 PM	62.9	75.2	62.0
02:00 PM - 03:00 PM	63.0	78.4	61.9
03:00 PM - 04:00 PM	63.0	77.5	62.2
04:00 PM - 05:00 PM	63.0	69.3	62.3
05:00 PM - 06:00 PM	62.8	70.3	62.2
06:00 PM - 07:00 PM	63.2	73.8	62.5
07:00 PM - 08:00 PM	63.0	69.1	62.4
08:00 PM - 09:00 PM	63.5	70.6	62.8
09:00 PM - 10:00 PM	63.0	82.4	62.4
10:00 PM - 11:00 PM	63.3	69.7	62.6
11:00 PM - 12:00 AM	63.1	66.4	62.5
12:00 AM - 01:00 AM	62.8	69.5	62.3
01:00 AM - 02:00 AM	62.8	70.8	62.2
02:00 AM - 03:00 AM	62.7	74.9	62.2
03:00 AM - 04:00 AM	62.7	70.0	62.3
04:00 AM - 05:00 AM	62.6	69.6	62.1
05:00 AM - 06:00 AM	62.9	67.7	62.4
06:00 AM - 07:00 AM	63.4	74.4	62.8
07:00 AM - 08:00 AM	63.3	70.2	62.7
08:00 AM - 09:00 AM	63.1	71.3	62.5
09:00 AM - 10:00 AM	62.9	70.0	62.3

Leq Average 24 hrs. (dB(A)) 63.0
Lmax (dB(A)) 82.9
L90 (dB(A)) 62.3

Standard (dB(A)) 70 115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head

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ภาคผนวก ค-4

คุณภาพน้ำทิ้ง



Analysis / Test Report

TESTING

No.0042

Lot ID: 2560093

Date Received : Jul 02, 2025

Date Reported : Jul 11, 2025

Report Number : 3341490-1

Client : Siam Polystyrene Co., Ltd.

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

P/O : 4516912284

Project Name : Water Testing

Project Location : Map Ta Phut_PS (SPCL)

Page 1 of 2

Sample Number	2560093-1
Sampled Date	Jul 02, 2025 9:40 AM
Sample Description	Wastewater
Location	ES-1890
Date Analysis Commenced	Jul 02, 2025
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, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	37	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	9	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 F	Rayong
Color (at pH 7.0)	ADMI	-	5	8	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.9	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	768	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	9	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Technical Management

Photchana S

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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

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Analysis / 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 : 4516912284

Project Name : Water Testing

Project Location : Map Ta Phut_PS (SPCL)

TESTING

No.0042

Lot ID: 2560093

Date Received : Jul 02, 2025

Date Reported : Jul 11, 2025

Report Number : 3341490-1

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).

Sampling By : Wanlop Hunchainaow ทะเบียนเลขที่ ว-323-จ-0038 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

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

Technical Management

Photchana S

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Chumson.

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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

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Analysis / 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 : 4516912284
Project Name : Water Testing
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2560093

Date Received : Jul 02, 2025
Date Reported : Jul 11, 2025
Report Number : 3341490-2

Page 1 of 1

Sample Number	2560093-1						
Sampled Date	Jul 02, 2025 9:40 AM						
Sample Description	Wastewater						
Location	ES-1890						
Date Analysis Commenced	Jul 08, 2025						
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	13.1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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 Hunchainaow , Pattarapol Sawangjaitam

Remark :

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

Approved by

Siriluk P.

Siriluk Bunnak
Section Head

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



Analysis / Test Report

TESTING

No.0042

Lot ID: 2570994

Date Received : Aug 06, 2025

Date Reported : Aug 15, 2025

Report Number : 3369056-1

Client : Siam Polystyrene Co., Ltd.

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

P/O : 4516912284

Project Name : Water Testing

Project Location : Map Ta Phut_PS (SPCL)

Page 1 of 2

Sample Number	2570994-1
Sampled Date	Aug 06, 2025 9:15 AM
Sample Description	Wastewater
Location	ES-1890
Date Analysis Commenced	Aug 06, 2025
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, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	32	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	10	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	10	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	33.2	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	712	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	6	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Technical Management

Photchana S

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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

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Analysis / 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 : 4516912284

Project Name : Water Testing

Project Location : Map Ta Phut_PS (SPCL)

TESTING

No.0042

Lot ID: 2570994

Date Received : Aug 06, 2025

Date Reported : Aug 15, 2025

Report Number : 3369056-1

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).

Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-จ-0011 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

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

Technical Management

Photchana S

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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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 : 4516912284
Project Name : Water Testing
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2570994

Date Received : Aug 06, 2025

Date Reported : Aug 15, 2025

Report Number : 3369056-2

Page 1 of 1

Sample Number	2570994-1
Sampled Date	Aug 06, 2025 9:15 AM
Sample Description	Wastewater
Location	ES-1890
Date Analysis Commenced	Aug 08, 2025
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	13.2	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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 : Surawit Narapong , Pattarapol Sawangjaitam

Remark :

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

Approved by

Suwimon C.

Suwimon Chairuangwut
Scientist (3)

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

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Analysis / Test Report

TESTING

No.0042

Lot ID: 2580204

Date Received : Sep 03, 2025

Date Reported : Sep 11, 2025

Report Number : 3390353-1

Client : Siam Polystyrene Co., Ltd.

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

P/O : 4516912284

Project Name : Water Testing

Project Location : Map Ta Phut_PS (SPCL)

Page 1 of 2

Sample Number	2580204-1
Sampled Date	Sep 03, 2025 9:42 AM
Sample Description	Wastewater
Location	ES-1890
Date Analysis Commenced	Sep 03, 2025
Condition of Sample	Contained in two glass vials, two 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, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	47	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	13	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 F	Rayong
Color (at pH 7.0)	ADMI	-	5	11	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	31.7	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	728	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	15	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Technical Management

Photchana S

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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

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Analysis / 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 : 4516912284

Project Name : Water Testing

Project Location : Map Ta Phut_PS (SPCL)

TESTING

No.0042

Lot ID: 2580204

Date Received : Sep 03, 2025

Date Reported : Sep 11, 2025

Report Number : 3390353-1

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).

Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-จ-0011 , Thanasoun Namakunna ทะเบียนเลขที่ ว-204-จ-0101

Remark :

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

Technical Management

Photchana S

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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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 : 4516912284
Project Name : Water Testing
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2580204

Date Received : Sep 03, 2025

Date Reported : Sep 11, 2025

Report Number : 3390353-2

Page 1 of 1

Sample Number	2580204-1
Sampled Date	Sep 03, 2025 9:42 AM
Sample Description	Wastewater
Location	ES-1890
Date Analysis Commenced	Sep 11, 2025
Condition of Sample	Contained in two glass vials, two 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	13.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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 : Surawit Narapong , Thanasoun Namakunna

Remark :

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

Approved by

Suwimon C.

Suwimon Chairuangwut
Scientist (3)

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

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Analysis / Test Report

TESTING

No.0042

Lot ID: 2589047

Date Received : Oct 01, 2025

Date Reported : Oct 09, 2025

Report Number : 3411850-1

Client : Siam Polystyrene Co., Ltd.

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

P/O : 4516912284

Project Name : Water Testing

Project Location : Map Ta Phut_PS (SPCL)

Page 1 of 2

Sample Number	2589047-1
Sampled Date	Oct 01, 2025 10:20 AM
Sample Description	Wastewater
Location	ES-1890
Date Analysis Commenced	Oct 01, 2025
Condition of Sample	Contained in one amber glass bottle, two glass vials 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, 24th ed., 2023, 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, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	7	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 F	Rayong
Color (at pH 7.0)	ADMI	-	5	6	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	29.3	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	388	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Technical Management

Photchana S

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Chumson

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING

No.0042

Lot ID: 2589047

Date Received : Oct 01, 2025

Date Reported : Oct 09, 2025

Report Number : 3411850-1

Client : Siam Polystyrene Co., Ltd.

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

P/O : 4516912284

Project Name : Water Testing

Project Location: Map Ta Phut_PS (SPCL)

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 2589047-1) is 17.6 mg/L

Sampling By : Wanlop Hunchainaow ทะเบียนเลขที่ ว-323-จ-0038 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

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

Technical Management

Photchanas

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Chumson.

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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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 : 4516912284
Project Name : Water Testing
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2589047

Date Received : Oct 01, 2025

Date Reported : Oct 09, 2025

Report Number : 3411850-2

Page 1 of 1

Sample Number	2589047-1
Sampled Date	Oct 01, 2025 10:20 AM
Sample Description	Wastewater
Location	ES-1890
Date Analysis Commenced	Oct 03, 2025
Condition of Sample	Contained in one amber glass bottle, two glass vials 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	7.73	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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 Hunchainaow , Pattarapol Sawangjaitam

Remark :

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

Approved by

Suwimon C.

Suwimon Chairuangwut
Scientist (3)

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

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Analysis / Test Report

TESTING

No.0042

Lot ID: 2598227

Date Received : Nov 05, 2025

Date Reported : Nov 13, 2025

Report Number : 3433875-1

Client : Siam Polystyrene Co., Ltd.

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

P/O : 4516912284

Project Name : Water Testing

Project Location : Map Ta Phut_PS (SPCL)

Page 1 of 2

Sample Number	2598227-1
Sampled Date	Nov 05, 2025 10:00 AM
Sample Description	Wastewater
Location	ES-1890
Date Analysis Commenced	Nov 05, 2025
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, 24th ed., 2023, 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, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	8	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	7	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	28.7	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	356	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Technical Management

Photchana S

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Chumma

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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

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Analysis / 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 : 4516912284

Project Name : Water Testing

Project Location: Map Ta Phut_PS (SPCL)

TESTING

No.0042

Lot ID: 2598227

Date Received : Nov 05, 2025

Date Reported : Nov 13, 2025

Report Number : 3433875-1

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 2598227-1) is 19.6 mg/L

Sampling By : Wanlop Hunchainaow ทะเบียนเลขที่ ว-323-จ-0038 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

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

Technical Management

Photchanas

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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

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Analysis / 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 : 4516912284
Project Name : Water Testing
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2598227

Date Received : Nov 05, 2025
Date Reported : Nov 13, 2025
Report Number : 3433875-2

Page 1 of 1

Sample Number	2598227-1
Sampled Date	Nov 05, 2025 10:00 AM
Sample Description	Wastewater
Location	ES-1890
Date Analysis Commenced	Nov 11, 2025
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	5.89	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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 2598227-1) is 19.6 mg/L

Sampling By : Wanlop Hunchainaow , Pattarapol Sawangjaitam

Remark :

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

Approved by

Suwimon C.

Suwimon Chairuangwut
Scientist (3)

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Analysis / Test Report

TESTING

No.0042

Lot ID: 25107592

Date Received : Dec 03, 2025

Date Reported : Dec 13, 2025

Report Number : 3457479-1

Client : Siam Polystyrene Co., Ltd.

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

P/O : 4516912284

Project Name : Water Testing

Project Location : Map Ta Phut_PS (SPCL)

Page 1 of 2

Sample Number	25107592-1
Sampled Date	Dec 03, 2025 10:10 AM
Sample Description	Wastewater
Location	ES-1890
Date Analysis Commenced	Dec 03, 2025
Condition of Sample	Contained in two amber glass bottles, two glass vials 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, 24th ed., 2023, 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, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	10	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 F	Rayong
Color (at pH 7.0)	ADMI	-	5	8	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	28.8	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	860	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Technical Management

Photchana S

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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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 : 4516912284

Project Name : Water Testing

Project Location: Map Ta Phut_PS (SPCL)

TESTING

No.0042

Lot ID: 25107592

Date Received : Dec 03, 2025

Date Reported : Dec 13, 2025

Report Number : 3457479-1

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 25107592-1) is 15.4 mg/L

Sampling By : Wanlop Hunchainaow ทะเบียนเลขที่ ว-323-จ-0038 , Thanasoun Namakunna ทะเบียนเลขที่ ว-204-จ-0101

Remark :

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

Technical Management

Photchana S

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Chumson

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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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 : 4516912284
Project Name : Water Testing
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 25107592

Date Received : Dec 03, 2025

Date Reported : Dec 13, 2025

Report Number : 3457479-2

Page 1 of 1

Sample Number 25107592-1
Sampled Date Dec 03, 2025 10:10 AM
Sample Description Wastewater
Location ES-1890
Date Analysis Commenced Dec 06, 2025
Condition of Sample Contained in two amber glass bottles, two glass vials 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	12.7	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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 25107592-1) is 15.4 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

Nanthawadee Somboon
Specialist 2

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



Analysis / Test Report

TESTING

No.0042

Lot ID: 2560079

Date Received : Jul 02, 2025

Date Reported : Jul 11, 2025

Report Number : 3341467-1

Client : Siam Synthetic Latex Co., Ltd.

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

P/O : 4516885733

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)

Page 1 of 2

Sample Number	2560079-1
Sampled Date	Jul 02, 2025 9:25 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Jul 02, 2025
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, 24th ed., 2023, 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, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	23	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 F	Rayong
Color (at pH 7.0)	ADMI	-	5	21	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	32.4	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	472	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	1.8	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Rayong

Technical Management

Photchana S

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING

No.0042

Lot ID: 2560079

Date Received : Jul 02, 2025

Date Reported : Jul 11, 2025

Report Number : 3341467-1

Client : Siam Synthetic Latex Co., Ltd.

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

P/O : 4516885733

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)

Page 2 of 2

Sample Number	2560079-1
Sampled Date	Jul 02, 2025 9:25 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Jul 02, 2025
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, 24th ed., 2023, part 2540 D	Rayong

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

Note : Raw data of COD value (Refer to Lot ID 2560079-1) is 16.7 mg/L

Sampling By : Wanlop Hunchainaow ทะเบียนเลขที่ ว-323-จ-0038 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

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

Technical Management

Photchana S

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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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 : 4516885733
Project Name : Water Testing
Project Location : Map Ta Phut_Latex (SSLC)

Lot ID: 2560079

Date Received : Jul 02, 2025
Date Reported : Jul 11, 2025
Report Number : 3341467-2

Page 1 of 1

Sample Number 2560079-1
Sampled Date Jul 02, 2025 9:25 AM
Sample Description Wastewater
Location Domestic Outlet
Date Analysis Commenced Jul 04, 2025
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	5.69	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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 Hunchainaow , Pattarapol Sawangjaitam

Remark :

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Approved by

Suwimon C.

Suwimon Chairuangwut
Scientist (3)

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Analysis / Test Report

TESTING

No.0042

Lot ID: 2571001

Date Received : Aug 06, 2025

Date Reported : Aug 15, 2025

Report Number : 3369062-1

Client : Siam Synthetic Latex Co., Ltd.

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

P/O : 4516885733

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)

Page 1 of 2

Sample Number	2571001-1
Sampled Date	Aug 06, 2025 9:00 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Aug 06, 2025
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, 24th ed., 2023, 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, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	24	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	22	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	33.1	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	484	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	3.1	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Rayong

Technical Management

Photchana S

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING

No.0042

Lot ID: 2571001

Date Received : Aug 06, 2025

Date Reported : Aug 15, 2025

Report Number : 3369062-1

Client : Siam Synthetic Latex Co., Ltd.

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

P/O : 4516885733

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)

Page 2 of 2

Sample Number	2571001-1
Sampled Date	Aug 06, 2025 9:00 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Aug 06, 2025
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, 24th ed., 2023, part 2540 D	Rayong

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

Note : Raw data of COD value (Refer to Lot ID 2571001) is 23.9 mg/L

Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-จ-0011 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

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

Technical Management

Photchana S

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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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 : 4516885733

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)

Lot ID: 2571001

Date Received : Aug 06, 2025

Date Reported : Aug 15, 2025

Report Number : 3369062-2

Page 1 of 1

Sample Number	2571001-1
Sampled Date	Aug 06, 2025 9:00 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Aug 09, 2025
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	5.24	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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 2571001) is 23.9 mg/L

Sampling By : Surawit Narapong , Pattarapol Sawangjaitam

Remark :

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

Approved by

Suwimon C.

Suwimon Chairuangwut
Scientist (3)

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

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Analysis / Test Report

TESTING

No.0042

Lot ID: 2580191

Date Received : Sep 03, 2025

Date Reported : Sep 11, 2025

Report Number : 3390292-1

Client : Siam Synthetic Latex Co., Ltd.

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

P/O : 4516885733

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)

Page 1 of 2

Sample Number	2580191-1
Sampled Date	Sep 03, 2025 9:26 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Sep 03, 2025
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, 24th ed., 2023, 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, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	31	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	29	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	32.2	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	452	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	1.5	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Rayong

Technical Management

Photchana S

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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

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Analysis / 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 : 4516885733
Project Name : Water Testing
Project Location : Map Ta Phut_Latex (SSLC)

Lot ID: 2580191
Date Received : Sep 03, 2025
Date Reported : Sep 11, 2025
Report Number : 3390292-1

Page 2 of 2

Sample Number	2580191-1
Sampled Date	Sep 03, 2025 9:26 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Sep 03, 2025
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	7	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

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

Note : Raw data of COD value (Refer to Lot ID 2580191-1) is 14.0 mg/L

Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-จ-0011 , Thanasoun Namakunna ทะเบียนเลขที่ ว-204-จ-0101

Remark :

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

Technical Management

Photchana S

Photchana Seeda
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon

Dej Changchon
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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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 : 4516885733

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)

Lot ID: 2580191

Date Received : Sep 03, 2025

Date Reported : Sep 11, 2025

Report Number : 3390292-2

Page 1 of 1

Sample Number	2580191-1
Sampled Date	Sep 03, 2025 9:26 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Sep 08, 2025
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	6.00	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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 : Surawit Narapong , Thanasoun Namakunna

Remark :

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

Approved by

Suwimon C.

Suwimon Chairuangwut
Scientist (3)

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

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Analysis / Test Report

TESTING

No.0042

Lot ID: 2589053

Date Received : Oct 01, 2025

Date Reported : Oct 09, 2025

Report Number : 3411863-1

Client : Siam Synthetic Latex Co., Ltd.

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

P/O : 4516885733

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)

Page 1 of 2

Sample Number	2589053-1
Sampled Date	Oct 01, 2025 10:10 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Oct 01, 2025
Condition of Sample	Contained in one amber glass bottle, two glass vials 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, 24th ed., 2023, 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, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	23	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 F	Rayong
Color (at pH 7.0)	ADMI	-	5	21	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.3	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	532	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	3.0	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Rayong

Technical Management

Photchana S

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Chumma

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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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 : 4516885733
Project Name : Water Testing
Project Location : Map Ta Phut_Latex (SSLC)

Lot ID: 2589053
Date Received : Oct 01, 2025
Date Reported : Oct 09, 2025
Report Number : 3411863-1

Page 2 of 2

Sample Number	2589053-1
Sampled Date	Oct 01, 2025 10:10 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Oct 01, 2025
Condition of Sample	Contained in one amber glass bottle, two glass vials 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, 24th ed., 2023, part 2540 D	Rayong

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

Note : Raw data of COD value (Refer to Lot ID 2589053-1) is 15.9 mg/L

Sampling By : Wanlop Hunchainaow ทะเบียนเลขที่ ว-323-จ-0038 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

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

Technical Management

Photchana S

Photchana Seeda
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon

Dej Changchon
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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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 : 4516885733

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)

Lot ID: 2589053

Date Received : Oct 01, 2025

Date Reported : Oct 09, 2025

Report Number : 3411863-2

Page 1 of 1

Sample Number	2589053-1						
Sampled Date	Oct 01, 2025 10:10 AM						
Sample Description	Wastewater						
Location	Domestic Outlet						
Date Analysis Commenced	Oct 04, 2025						
Condition of Sample	Contained in one amber glass bottle, two glass vials 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	5.68	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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 Hunchainaow , Pattarapol Sawangjaitam

Remark :

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

Approved by

Suwimon C.

Suwimon Chairuangwut
Scientist (3)

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

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Analysis / Test Report

TESTING

No.0042

Lot ID: 2598215

Date Received : Nov 05, 2025

Date Reported : Nov 13, 2025

Report Number : 3433846-1

Client : Siam Synthetic Latex Co., Ltd.

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

P/O : 4516885733

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)

Page 1 of 2

Sample Number	2598215-1
Sampled Date	Nov 05, 2025 9:45 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Nov 05, 2025
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, 24th ed., 2023, 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, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	22	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 F	Rayong
Color (at pH 7.0)	ADMI	-	5	21	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	29.9	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	456	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	1.3	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Rayong

Technical Management

Photchana S

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING

No.0042

Lot ID: 2598215

Date Received : Nov 05, 2025

Date Reported : Nov 13, 2025

Report Number : 3433846-1

Client : Siam Synthetic Latex Co., Ltd.

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

P/O : 4516885733

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)

Page 2 of 2

Sample Number	2598215-1						
Sampled Date	Nov 05, 2025 9:45 AM						
Sample Description	Wastewater						
Location	Domestic Outlet						
Date Analysis Commenced	Nov 05, 2025						
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, 24th ed., 2023, part 2540 D	Rayong

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

Note : Raw data of COD value (Refer to Lot ID 2598215-1) is 13.1 mg/L

Sampling By : Wanlop Hunchainaow ทะเบียนเลขที่ ว-323-จ-0038

Remark :

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

Technical Management

Photchana S

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Chumson

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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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 : 4516885733
Project Name : Water Testing
Project Location : Map Ta Phut_Latex (SSLC)

Lot ID: 2598215

Date Received : Nov 05, 2025

Date Reported : Nov 13, 2025

Report Number : 3433846-2

Page 1 of 1

Sample Number	2598215-1						
Sampled Date	Nov 05, 2025 9:45 AM						
Sample Description	Wastewater						
Location	Domestic Outlet						
Date Analysis Commenced	Nov 07, 2025						
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	5.60	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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 2598215-1) is 13.1 mg/L

Sampling By : Wanlop Hunchainaow , Pattarapol Sawangjaitam

Remark :

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

Approved by

Suwimon C.

Suwimon Chairuangwut
Scientist (3)

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

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Analysis / Test Report

TESTING

No.0042

Lot ID: 25107578

Date Received : Dec 03, 2025

Date Reported : Dec 13, 2025

Report Number : 3457467-1

Client : Siam Synthetic Latex Co., Ltd.

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

P/O : 4516885733

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)

Page 1 of 2

Sample Number	25107578-1
Sampled Date	Dec 03, 2025 9:20 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Dec 03, 2025
Condition of Sample	Contained in one amber glass bottle, two glass vials 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, 24th ed., 2023, 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, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	26	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	25	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.0	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	512	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	1.6	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Rayong

Technical Management

Photchana S

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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

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Analysis / 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 : 4516885733
Project Name : Water Testing
Project Location : Map Ta Phut_Latex (SSLC)

TESTING
No.0042
Lot ID: 25107578
Date Received : Dec 03, 2025
Date Reported : Dec 13, 2025
Report Number : 3457467-1

Page 2 of 2

Sample Number	25107578-1						
Sampled Date	Dec 03, 2025 9:20 AM						
Sample Description	Wastewater						
Location	Domestic Outlet						
Date Analysis Commenced	Dec 03, 2025						
Condition of Sample	Contained in one amber glass bottle, two glass vials 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, 24th ed., 2023, part 2540 D	Rayong

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

Note : Raw data of COD value (Refer to Lot ID 25107578-1) is 9.3 mg/L

Sampling By : Wanlop Hunchainaow ทะเบียนเลขที่ ว-323-จ-0038 , Thanasoun Namakunna ทะเบียนเลขที่ ว-204-จ-0101

Remark :

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

Technical Management

Photchana S

Photchana Seeda
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon

Dej Changchon
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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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 : 4516885733
Project Name : Water Testing
Project Location : Map Ta Phut_Latex (SSLC)

Lot ID: 25107578

Date Received : Dec 03, 2025

Date Reported : Dec 13, 2025

Report Number : 3457467-2

Page 1 of 1

Sample Number	25107578-1						
Sampled Date	Dec 03, 2025 9:20 AM						
Sample Description	Wastewater						
Location	Domestic Outlet						
Date Analysis Commenced	Dec 06, 2025						
Condition of Sample	Contained in one amber glass bottle, two glass vials 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	5.33	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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 25107578-1) is 9.3 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

Nanthawadee Somboon
Specialist 2

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



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 : 00081114
Project Name : Water Testing
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2580184
Date Received : Sep 03, 2025
Date Reported : Oct 09, 2025
Report Number : 3390250-1 C3

Page 1 of 2

Sample Number 2580184-1
Sampling Date Sep 03, 2025 10:21 AM
Sample Description Wastewater
Location จดระบายน้ำทิ้งออกนอกโครงการ (Outfall Pit)
Date Analysis Commenced Sep 03, 2025
Condition of Sample Contained in six glass vials, three amber glass bottles and eight plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	28	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	11	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	9	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Cyanide as CN	mg/L	0.001	0.005	Not Detected	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-CN (C, E)	Rayong
Formaldehyde	mg/L	0.03	0.1	<0.1	≤1.0	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed., 2004	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Phenol	mg/L	0.005	0.01	0.05	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5530 B, D	Rayong

Technical Management

Photchana S

Photchana Seeda
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Chumma

Dej Changchon
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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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 : 00081114

Project Name : Water Testing

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2580184

Date Received : Sep 03, 2025

Date Reported : Oct 09, 2025

Report Number : 3390250-1 C3

Page 2 of 2

Sample Number	2580184-1						
Sampling Date	Sep 03, 2025 10:21 AM						
Sample Description	Wastewater						
Location	จุดระบายน้ำทิ้งออกนอกโครงการ (Outfall Pit)						
Date Analysis Commenced	Sep 03, 2025						
Condition of Sample	Contained in six glass vials, three amber glass bottles and eight plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (F)	Rayong
Sulfide *	mg/L	-	0.5	<0.5	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)	Rayong
Temperature *	Degree C	-	-	35.3	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	792	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	4.9	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

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

Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-จ-0011 , Thanasoun Namakunna ทะเบียนเลขที่ ว-204-จ-0101

Remark :

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

Technical Management

Photchana S

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Chamon

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0009

Client : Siam Polystyrene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 00081114
Project Name : Water Testing
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2580184

Date Received : Sep 03, 2025
Date Reported : Oct 09, 2025
Report Number : 3390250-2 C3

Page 1 of 5

Sample Number : 2580184-1
Sampling Date : Sep 03, 2025 10:21 AM
Sample Description : Wastewater
Location : จดระบายนํ้าทิ้งออกนอกโครงการ (Outfall Pit)
Date Analysis Commenced : Sep 04, 2025
Condition of Sample : Contained in six glass vials, three amber glass bottles and eight plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.004	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.15	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.004	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3500-Cr B	Bangkok
Lead	mg/L	0.0003	0.0005	0.0006	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.06	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3112	Bangkok

Technical Management

Sawitree N.

Sawitree Noisangiam
Manager

ทะเบียนเลขที่ ว-204-จ-0007

Approved by

Kanok Korn Anek

Kanokkorn Anek
Assistant General Manager

ทะเบียนเลขที่ ว-204-ค-0004

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Analysis / Test Report

TESTING
No.0009

Client : Siam Polystyrene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 00081114
Project Name : Water Testing
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2580184

Date Received : Sep 03, 2025
Date Reported : Oct 09, 2025
Report Number : 3390250-2 C3

Page 2 of 5

Sample Number : 2580184-1
Sampling Date : Sep 03, 2025 10:21 AM
Sample Description : Wastewater
Location : จดระบายน้ำทิ้งออกนอกโครงการ (Outfall Pit)
Date Analysis Commenced : Sep 04, 2025
Condition of Sample : Contained in six glass vials, three amber glass bottles and eight plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Nickel	mg/L	0.0003	0.0005	0.009	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	0.0006	≤0.02	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	≤0.75	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.88	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Pesticides - Organochlorine Group							
2,4-DDD *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
2,4-DDE *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
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, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok

Technical Management

Sawitree N.

Sawitree Noisangiam
Manager

ทะเบียนเลขที่ ว-204-จ-0007

Approved by

Kanokkorn Anek

Kanokkorn Anek
Assistant General Manager

ทะเบียนเลขที่ ว-204-ค-0004

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Analysis / Test Report

TESTING
No.0009

Client : Siam Polystyrene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 00081114
Project Name : Water Testing
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2580184

Date Received : Sep 03, 2025
Date Reported : Oct 09, 2025
Report Number : 3390250-2 C3

Page 3 of 5

Sample Number 2580184-1
Sampling Date Sep 03, 2025 10:21 AM
Sample Description Wastewater
Location จดระบายนํ้าทิ้งออกนอกโครงการ (Outfall Pit)
Date Analysis Commenced Sep 04, 2025
Condition of Sample Contained in six glass vials, three amber glass bottles and eight plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Pesticides - Organochlorine Group							
4,4-DDD *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
4,4-DDE *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
4,4-DDT *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Aldrin *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
alpha-BHC *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
beta-BHC *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Chlordane *	ug/L	0.02	0.04	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok

Technical Management

Sawitree N.

Sawitree Noisangiam
Manager

ทะเบียนเลขที่ ว-204-จ-0007

Approved by

Kanok Korn Anek

Kanokkorn Anek
Assistant General Manager

ทะเบียนเลขที่ ว-204-ค-0004

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Analysis / Test Report

TESTING
No.0009

Client : Siam Polystyrene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 00081114
Project Name : Water Testing
Project Location: Map Ta Phut_PS (SPCL)

Lot ID: 2580184

Date Received : Sep 03, 2025
Date Reported : Oct 09, 2025
Report Number : 3390250-2 C3

Page 4 of 5

Sample Number 2580184-1
Sampling Date Sep 03, 2025 10:21 AM
Sample Description Wastewater
Location จดระบายนํ้าทิ้งออกนอกโครงการ (Outfall Pit)
Date Analysis Commenced Sep 04, 2025
Condition of Sample Contained in six glass vials, three amber glass bottles and eight plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Pesticides - Organochlorine Group							
delta-BHC *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Dieldrin *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Endosulfan I *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Endosulfan II *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Endrin *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Heptachlor *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Heptachlor-Epoxide *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok

Technical Management

Sawitree N.

Sawitree Noisangiam
Manager

ทะเบียนเลขที่ ว-204-จ-0007

Approved by

Kanok Korn Anek

Kanokkorn Anek
Assistant General Manager

ทะเบียนเลขที่ ว-204-ค-0004

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Analysis / Test Report

TESTING
No.0009

Client : Siam Polystyrene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 00081114
Project Name : Water Testing
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2580184

Date Received : Sep 03, 2025
Date Reported : Oct 09, 2025
Report Number : 3390250-2 C3

Page 5 of 5

Sample Number : 2580184-1
Sampling Date : Sep 03, 2025 10:21 AM
Sample Description : Wastewater
Location : จดระบายน้ำทิ้งออกนอกโครงการ (Outfall Pit)
Date Analysis Commenced : Sep 04, 2025
Condition of Sample : Contained in six glass vials, three amber glass bottles and eight plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Pesticides - Organochlorine Group							
Lindane (gamma-BHC) *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Methoxychlor *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok

Guideline: 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 : Surawit Narapong ทะเบียนเลขที่ ว-323-จ-0011 , Thanasoun Namakunna ทะเบียนเลขที่ ว-204-จ-0101

Remark :

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

Technical Management

Sawitree N.

Sawitree Noisangiam
Manager

ทะเบียนเลขที่ ว-204-จ-0007

Approved by

Kanokkorn Anek

Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ ว-204-ค-0004

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Analysis / Test Report

TESTING
No.0009

Client : Siam Polystyrene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 00081114
Project Name : Water Testing
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2580184

Date Received : Sep 03, 2025
Date Reported : Oct 09, 2025
Report Number : 3390250-3 C3

Page 1 of 4

Sample Number	2580184-1						
Sampling Date	Sep 03, 2025 10:21 AM						
Sample Description	Wastewater						
Location	จุดระบายน้ำทิ้งออกนอกโครงการ (Outfall Pit)						
Date Analysis Commenced	Sep 04, 2025						
Condition of Sample	Contained in six glass vials, three amber glass bottles and eight plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Phosphorus	mg/L	0.03	0.05	0.63	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Pesticides - Organochlorine Group							
alpha-Chlordane *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
gamma-Chlordane *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Hexachlorobenzene *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Mirex *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 6200 B	Bangkok

Approved by

Sawitree N.

Sawitree Noisangiam
Manager

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Analysis / Test Report

TESTING
No.0009

Client : Siam Polystyrene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 00081114
Project Name : Water Testing
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2580184

Date Received : Sep 03, 2025
Date Reported : Oct 09, 2025
Report Number : 3390250-3 C3

Page 2 of 4

Sample Number : 2580184-1
Sampling Date : Sep 03, 2025 10:21 AM
Sample Description : Wastewater
Location : จดระบายนํ้าทิ้งออกนอกโครงการ (Outfall Pit)
Date Analysis Commenced : Sep 04, 2025
Condition of Sample : Contained in six glass vials, three amber glass bottles and eight plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Volatile Organics Compounds							
1,2-Dichloroethane	ug/L	1.5	5	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 6200 B	Bangkok
Bromoform *	ug/L	0.2	0.5	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Carbontetrachloride	ug/L	1.5	5	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Chloroform *	ug/L	0.2	0.5	1.6	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 6200 B	Bangkok

Approved by

Sawitree N.

Sawitree Noisangiam
Manager

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Analysis / Test Report

TESTING
No.0009

Client : Siam Polystyrene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 00081114
Project Name : Water Testing
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2580184

Date Received : Sep 03, 2025
Date Reported : Oct 09, 2025
Report Number : 3390250-3 C3

Page 3 of 4

Sample Number	2580184-1						
Sampling Date	Sep 03, 2025 10:21 AM						
Sample Description	Wastewater						
Location	จุดระบายน้ำทิ้งออกนอกโครงการ (Outfall Pit)						
Date Analysis Commenced	Sep 04, 2025						
Condition of Sample	Contained in six glass vials, three amber glass bottles and eight plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Volatile Organics Compounds							
Ethylbenzene	ug/L	1.5	5	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 6200 B	Bangkok
Tetrachloroethylene	ug/L	1.5	5	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 6200 B	Bangkok
Total Trihalomethanes *	ug/L	0.2	1	1.6	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 6200 B	Bangkok

Approved by

Sawitree N.

Sawitree Noisangiam
Manager

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Analysis / Test Report

TESTING
No.0009

Client : Siam Polystyrene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 00081114
Project Name : Water Testing
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2580184

Date Received : Sep 03, 2025
Date Reported : Oct 09, 2025
Report Number : 3390250-3 C3

Page 4 of 4

Sample Number	2580184-1						
Sampling Date	Sep 03, 2025 10:21 AM						
Sample Description	Wastewater						
Location	จุดระบายน้ำทิ้งออกนอกโครงการ (Outfall Pit)						
Date Analysis Commenced	Sep 04, 2025						
Condition of Sample	Contained in six glass vials, three amber glass bottles and eight plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Volatile Organics Compounds							
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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 6200 B	Bangkok
Water Testing							
Total Organic Carbon *	mg/L	0.01	0.1	11.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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 : Surawit Narapong , 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.
- Sampling is not included in scope of accreditation ISO/IEC 17025

Approved by

Sawitree N.

Sawitree Noisangiam
Manager

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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 : 4516912284
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 24143297

Date Received : Jul 15, 2025

Date Reported : Jul 23, 2025

Report Number : 3200063-2

Page 1 of 1

Sample Number	24143297-1
Sampled Date	Jul 15, 2025 10:40 AM
Sample Description	Groundwater
Location	MW-3 (Near Latex Plant)
Date Analysis Commenced	Jul 15, 2025
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		-	-	6.2	6.5-9.2 (I)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 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): ในกรณีที่มีการปนเปื้อนของกรดหรือด่างให้เปรียบเทียบผลวิเคราะห์ค่าพีเอชจากจุดเก็บตัวอย่างบ่อน้ำที่ใช้ในการติดตามตรวจสอบการปนเปื้อนกับผลวิเคราะห์จากจุดเก็บตัวอย่างบ่อน้ำที่ใช้เป็นบ่ออ้างอิงบนทิศทางการไหลของน้ำใต้ดินในพื้นที่ โดยค่าพีเอชที่เปลี่ยนแปลงจะต้องไม่เกินหนึ่งระดับ และไม่อยู่นอกช่วงค่าเกณฑ์อนุโลมสูงสุดของมาตรฐานคุณภาพน้ำบาดาลที่บริโภคคือ 6.5-9.2

Sampling By : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-0041 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

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

Technical Management

Photchana S

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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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 : 4516912284

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 24143297

Date Received : Jul 15, 2025

Date Reported : Jul 23, 2025

Report Number : 3200063-1

Page 1 of 1

Sample Number	24143297-1						
Sampled Date	Jul 15, 2025 10:40 AM						
Sample Description	Groundwater						
Location	MW-3 (Near Latex Plant)						
Date Analysis Commenced	Jul 15, 2025						
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	297	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Hydrocarbons	mg/L	-	3	<3	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 F	Rayong
Total Organic Carbon	mg/L	0.01	0.1	2.63	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5310 B	Bangkok

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 : Chainusorn Lertnanthakunchai , Pattarapol Sawangjaitam

Remark :

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

Approved by

Photchana S

Photchana Seeda
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 : 4516912284
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 24143299

Date Received : Jul 16, 2025
Date Reported : Jul 24, 2025
Report Number : 3200098-1

Page 1 of 1

Sample Number	24143299-1
Sampled Date	Jul 16, 2025 10:20 AM
Sample Description	Groundwater
Location	MW-4 (Behind Warehouse)
Date Analysis Commenced	Jul 16, 2025
Condition of Sample	Contained in two glass vials, two amber glass bottles 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		-	-	6.7	6.5-9.2 (I)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 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): ในกรณีที่มีการปนเปื้อนของกรดหรือด่างให้เปรียบเทียบผลวิเคราะห์ค่าพีเอชจากจุดเก็บตัวอย่างบ่อน้ำที่ใช้ในการติดตามตรวจสอบการปนเปื้อนกับผลวิเคราะห์จากจุดเก็บตัวอย่างบ่อน้ำที่ใช้เป็นบ่ออ้างอิงบนทิศทางการไหลของน้ำใต้ดินในพื้นที่ โดยค่าพีเอชที่เปลี่ยนแปลงจะต้องไม่เกินหนึ่งระดับ และไม่อยู่นอกช่วงค่าเกณฑ์อนุโลมสูงสุดของมาตรฐานคุณภาพน้ำบาดาลที่บริโภคคือ 6.5-9.2

Sampling By : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-0041 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

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

Technical Management

Photchana S

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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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 : 4516912284
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 24143299

Date Received : Jul 16, 2025

Date Reported : Jul 24, 2025

Report Number : 3200098-2

Page 1 of 1

Sample Number	24143299-1						
Sampled Date	Jul 16, 2025 10:20 AM						
Sample Description	Groundwater						
Location	MW-4 (Behind Warehouse)						
Date Analysis Commenced	Jul 16, 2025						
Condition of Sample	Contained in two glass vials, two amber glass bottles 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	655	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Hydrocarbons	mg/L	-	3	<3	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 F	Rayong
Total Organic Carbon	mg/L	0.01	0.1	9.53	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5310 B	Bangkok

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 : Chainusorn Lertnanthakunchai , Pattarapol Sawangjaitam

Remark :

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

Approved by

Siriluk P.

Siriluk Bunnak
Section Head

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



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 : 4516912284

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 24143300

Date Received : Jul 16, 2025

Date Reported : Jul 24, 2025

Report Number : 3200099-1

Page 1 of 1

Sample Number	24143300-1
Sampled Date	Jul 16, 2025 9:50 AM
Sample Description	Groundwater
Location	MW-5 (Near PS Heater)
Date Analysis Commenced	Jul 16, 2025
Condition of Sample	Contained in four glass vials, two amber glass bottles 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		-	-	7.5	6.5-9.2 (I)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 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): ในกรณีที่มีการปนเปื้อนของกรดหรือด่างให้เปรียบเทียบผลวิเคราะห์ค่าพีเอชจากจุดเก็บตัวอย่างบ่อน้ำที่ใช้ในการติดตามตรวจสอบการปนเปื้อนกับผลวิเคราะห์จากจุดเก็บตัวอย่างบ่อน้ำที่ใช้เป็นบ่ออ้างอิงบนทิศทางการไหลของน้ำใต้ดินในพื้นที่ โดยค่าพีเอชที่เปลี่ยนแปลงจะต้องไม่เกินหนึ่งระดับ และไม่อยู่นอกช่วงค่าเกณฑ์อนุโลมสูงสุดของมาตรฐานคุณภาพน้ำบาดาลที่บริโภคคือ 6.5-9.2

Sampling By : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-0041 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

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

Technical Management

Photchana S

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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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 : 4516912284

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 24143300

Date Received : Jul 16, 2025

Date Reported : Jul 24, 2025

Report Number : 3200099-2

Page 1 of 1

Sample Number	24143300-1						
Sampled Date	Jul 16, 2025 9:50 AM						
Sample Description	Groundwater						
Location	MW-5 (Near PS Heater)						
Date Analysis Commenced	Jul 16, 2025						
Condition of Sample	Contained in four glass vials, two amber glass bottles 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	586	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Hydrocarbons	mg/L	-	3	<3	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 F	Rayong
Total Organic Carbon	mg/L	0.01	0.1	2.66	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5310 B	Bangkok

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 : Chainusorn Lertnanthakunchai , Pattarapol Sawangjaitam

Remark :

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Approved by

Photchana S

Photchana Seeda
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 : 4516912284
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 24143301

Date Received : Jul 18, 2025

Date Reported : Jul 26, 2025

Report Number : 3200102-1

Page 1 of 1

Sample Number 24143301-1
Sampled Date Jul 18, 2025 10:50 AM
Sample Description Groundwater
Location MW-6 (South Fence)
Date Analysis Commenced Jul 18, 2025
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		-	-	6.5	6.5-9.2 (I)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 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

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Sampling By : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-0041 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

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

Technical Management

Jitsupa P.

Jitsupa Pratuangsuk
Scientist (2)
ทะเบียนเลขที่ ว-323-จ-0004

Approved by

D. Changchon.

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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 : 4516912284
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 24143301

Date Received : Jul 18, 2025
Date Reported : Aug 18, 2025
Report Number : 3200102-2 Rev. No.1

Page 1 of 1

Sample Number 24143301-1
Sampled Date Jul 18, 2025 10:50 AM
Sample Description Groundwater
Location MW-6 (South Fence)
Date Analysis Commenced Jul 18, 2025
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	618	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Hydrocarbons	mg/L	-	3	<3	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 F	Rayong
Total Organic Carbon	mg/L	0.01	0.1	11.7	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5310 B	Bangkok

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

Note : This Analysis test report is reissued to supersede report No.3200102-2, Date Reported : Jul 26, 2025 due to revise analytical information.

Sampling By : Chainusorn Lertnanthakunchai , Pattarapol Sawangjaitam

Remark :

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Approved by

Suwimon C.

Suwimon Chairuangwut
Scientist (3)

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ภาคผนวก ค-6

คุณภาพอากาศในสภาพแวดล้อมการทำงาน



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 : 4516912284
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2574211

Date Received : Aug 20, 2025
Date Reported : Aug 28, 2025
Report Number : 3377358-1

Page 1 of 5

Sample Number : 2574211-1
Sampled Date : Aug 20, 2025
Sample Description : Air Quality
Location : RM Preparation
Date Analysis Commenced : Aug 21, 2025
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 : 32.5 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Methane as Propane *	09:30 AM - 11:30 AM	ppm	-	0.33	0.93	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Non Methane Hydrocarbon as Propane *	09:30 AM - 11:30 AM	ppm	-	0.33	0.77	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Styrene *	09:30 AM - 11:30 AM	ppm	-	0.05	0.21	100	In - house method : STM 04-032 based on NIOSH Manual of Analytical Methods, 4th ed., NMAM, method 1501, issue 3, 2003 (Include sampling)	MOL	Bangkok
Total Dust	09:30 AM - 11:30 AM	mg/m3	-	0.15	<0.15	15	In-house method : STM 02-022 based on NIOSH Manual of Analytical Method, 4th ed., NMAM, method 0500 Issue 2, 1994 (Include sampling)	OSHA	Rayong
Total Hydrocarbon as Propane *	09:30 AM - 11:30 AM	ppm	-	0.33	1.67	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 : Apichart Wilars

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.

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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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 : 4516912284
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2574211

Date Received : Aug 20, 2025
Date Reported : Aug 28, 2025
Report Number : 3377358-1

Page 2 of 5

Sample Number 2574211-2
Sampled Date Aug 20, 2025
Sample Description Air Quality
Location Polymerization
Date Analysis Commenced Aug 21, 2025
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 32.5 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Methane as Propane *	09:25 AM - 11:25 AM	ppm	-	0.33	0.90	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Non Methane Hydrocarbon as Propane *	09:25 AM - 11:25 AM	ppm	-	0.33	0.57	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Styrene *	09:25 AM - 11:25 AM	ppm	-	0.05	<0.05	100	In - house method : STM 04-032 based on NIOSH Manual of Analytical Methods, 4th ed., NMAM, method 1501, issue 3, 2003 (Include sampling)	MOL	Bangkok
Total Dust	09:25 AM - 11:25 AM	mg/m3	-	0.15	<0.15	15	In-house method : STM 02-022 based on NIOSH Manual of Analytical Method, 4th ed., NMAM, method 0500 Issue 2, 1994 (Include sampling)	OSHA	Rayong
Total Hydrocarbon as Propane *	09:25 AM - 11:25 AM	ppm	-	0.33	1.47	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 : Apichart Wilars

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Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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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 : 4516912284
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2574211

Date Received : Aug 20, 2025
Date Reported : Aug 28, 2025
Report Number : 3377358-1

Page 3 of 5

Sample Number : 2574211-3
Sampled Date : Aug 20, 2025
Sample Description : Air Quality
Location : Devolatilization
Date Analysis Commenced : Aug 21, 2025
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 : 32.5 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Methane as Propane *	09:20 AM - 11:20 AM	ppm	-	0.33	0.87	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Non Methane Hydrocarbon as Propane *	09:20 AM - 11:20 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	In - house method : STM 04-032 based on NIOSH Manual of Analytical Methods, 4th ed., NMAM, method 1501, issue 3, 2003 (Include sampling)	MOL	Bangkok
Total Dust	09:20 AM - 11:20 AM	mg/m3	-	0.15	<0.15	15	In-house method : STM 02-022 based on NIOSH Manual of Analytical Method, 4th ed., NMAM, method 0500 Issue 2, 1994 (Include sampling)	OSHA	Rayong
Total Hydrocarbon as Propane *	09:20 AM - 11:20 AM	ppm	-	0.33	0.87	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 : Apichart Wilars

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Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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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 : 4516912284
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2574211

Date Received : Aug 20, 2025
Date Reported : Aug 28, 2025
Report Number : 3377358-1

Page 4 of 5

Sample Number 2574211-4
Sampled Date Aug 20, 2025
Sample Description Air Quality
Location Finishing
Date Analysis Commenced Aug 21, 2025
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 32.5 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Methane as Propane *	09:15 AM - 11:15 AM	ppm	-	0.33	0.90	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Non Methane Hydrocarbon as Propane *	09:15 AM - 11:15 AM	ppm	-	0.33	0.40	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Styrene *	09:15 AM - 11:15 AM	ppm	-	0.05	<0.05	100	In - house method : STM 04-032 based on NIOSH Manual of Analytical Methods, 4th ed., NMAM, method 1501, issue 3, 2003 (Include sampling)	MOL	Bangkok
Total Dust	09:15 AM - 11:15 AM	mg/m3	-	0.15	<0.15	15	In-house method : STM 02-022 based on NIOSH Manual of Analytical Method, 4th ed., NMAM, method 0500 Issue 2, 1994 (Include sampling)	OSHA	Rayong
Total Hydrocarbon as Propane *	09:15 AM - 11:15 AM	ppm	-	0.33	1.30	No Standard	Total Hydrocarbon Analyzer	-	Rayong

Guideline :

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OSHA : Occupational Safety and Health Administration

Sampled By : Apichart Wilars

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Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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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 : 4516912284
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2574211

Date Received : Aug 20, 2025
Date Reported : Aug 28, 2025
Report Number : 3377358-1

Page 5 of 5

Sample Number 2574211-5
Sampled Date Aug 20, 2025
Sample Description Air Quality
Location Packaging
Date Analysis Commenced Aug 21, 2025
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 32.5 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Methane as Propane *	09:17 AM - 11:17 AM	ppm	-	0.33	0.87	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Non Methane Hydrocarbon as Propane *	09:17 AM - 11:17 AM	ppm	-	0.33	<0.33	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Styrene *	09:17 AM - 11:17 AM	ppm	-	0.05	<0.05	100	In - house method : STM 04-032 based on NIOSH Manual of Analytical Methods, 4th ed., NMAM, method 1501, issue 3, 2003 (Include sampling)	MOL	Bangkok
Total Dust	09:17 AM - 11:17 AM	mg/m3	-	0.15	<0.15	15	In-house method : STM 02-022 based on NIOSH Manual of Analytical Method, 4th ed., NMAM, method 0500 Issue 2, 1994 (Include sampling)	OSHA	Rayong
Total Hydrocarbon as Propane *	09:17 AM - 11:17 AM	ppm	-	0.33	0.87	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 : Apichart Wilars

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.

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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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 : 4516912284
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2594658

Date Received : Nov 13, 2025
Date Reported : Nov 21, 2025
Report Number : 3424963-1

Page 1 of 5

Sample Number : 2594658-1
Sampled Date : Nov 11, 2025
Sample Description : Air Quality
Location : RM Preparation
Date Analysis Commenced : Nov 14, 2025
Condition of Sample : Drawn into one 10-L air sampling bag, one filter paper placed in plastic cassette and one sorbent tube, refrigerated
Barometric Pressure : 757 mmHg
Atmospheric Temperature : 31.5 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Methane as Propane *	10:00 AM - 10:20 AM	ppm	-	0.33	0.93	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Non Methane Hydrocarbon as Propane *	10:00 AM - 10:20 AM	ppm	-	0.33	<0.33	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Styrene *	09:30 AM - 11:30 AM	ppm	-	0.05	0.14	100	In - house method : STM 04-032 based on NIOSH Manual of Analytical Methods, 4th ed., NMAM, method 1501, issue 3, 2003 (Include sampling)	MOL	Bangkok
Total Dust	09:30 AM - 11:30 AM	mg/m3	-	0.15	<0.15	15	In-house method : STM 02-022 based on NIOSH Manual of Analytical Method, 4th ed., NMAM, method 0500 Issue 2, 1994 (Include sampling)	OSHA	Rayong
Total Hydrocarbon as Propane *	10:00 AM - 10:20 AM	ppm	-	0.33	0.93	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 : Nattakarn Vonginyoo

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.

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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

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Analysis / Test Report

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 : 4516912284
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2594658

Date Received : Nov 13, 2025
Date Reported : Nov 21, 2025
Report Number : 3424963-1

Page 2 of 5

Sample Number : 2594658-2
Sampled Date : Nov 12, 2025
Sample Description : Air Quality
Location : Polymerization
Date Analysis Commenced : Nov 14, 2025
Condition of Sample : Drawn into one 10-L air sampling bag, one filter paper placed in plastic cassette and one sorbent tube, refrigerated
Barometric Pressure : 757 mmHg
Atmospheric Temperature : 31.5 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Methane as Propane *	09:20 AM - 09:40 AM	ppm	-	0.33	0.93	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Non Methane Hydrocarbon as Propane *	09:20 AM - 09:40 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	In - house method : STM 04-032 based on NIOSH Manual of Analytical Methods, 4th ed., NMAM, method 1501, issue 3, 2003 (Include sampling)	MOL	Bangkok
Total Dust	09:20 AM - 11:20 AM	mg/m3	-	0.15	<0.15	15	In-house method : STM 02-022 based on NIOSH Manual of Analytical Method, 4th ed., NMAM, method 0500 Issue 2, 1994 (Include sampling)	OSHA	Rayong
Total Hydrocarbon as Propane *	09:20 AM - 09:40 AM	ppm	-	0.33	0.93	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 : Nattakarn Vonginyoo

Remark :

- LOD : Limit of Detection
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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 : 4516912284
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2594658

Date Received : Nov 13, 2025
Date Reported : Nov 21, 2025
Report Number : 3424963-1

Page 3 of 5

Sample Number : 2594658-3
Sampled Date : Nov 12, 2025
Sample Description : Air Quality
Location : Devolatilization
Date Analysis Commenced : Nov 14, 2025
Condition of Sample : Drawn into one 10-L air sampling bag, one filter paper placed in plastic cassette and one sorbent tube, refrigerated
Barometric Pressure : 757 mmHg
Atmospheric Temperature : 31.5 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Methane as Propane *	09:40 AM - 10:00 AM	ppm	-	0.33	0.93	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Non Methane Hydrocarbon as Propane *	09:40 AM - 10:00 AM	ppm	-	0.33	<0.33	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Styrene *	09:40 AM - 11:40 AM	ppm	-	0.05	<0.05	100	In - house method : STM 04-032 based on NIOSH Manual of Analytical Methods, 4th ed., NMAM, method 1501, issue 3, 2003 (Include sampling)	MOL	Bangkok
Total Dust	09:40 AM - 11:40 AM	mg/m3	-	0.15	<0.15	15	In-house method : STM 02-022 based on NIOSH Manual of Analytical Method, 4th ed., NMAM, method 0500 Issue 2, 1994 (Include sampling)	OSHA	Rayong
Total Hydrocarbon as Propane *	09:40 AM - 10:00 AM	ppm	-	0.33	0.93	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 : Nattakarn Vonginyoo

Remark :

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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 : 4516912284
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2594658

Date Received : Nov 13, 2025
Date Reported : Nov 21, 2025
Report Number : 3424963-1

Page 4 of 5

Sample Number : 2594658-4
Sampled Date : Nov 12, 2025
Sample Description : Air Quality
Location : Finishing
Date Analysis Commenced : Nov 14, 2025
Condition of Sample : Drawn into one 10-L air sampling bag, one filter paper placed in plastic cassette and one sorbent tube, refrigerated
Barometric Pressure : 757 mmHg
Atmospheric Temperature : 31.5 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Methane as Propane *	09:00 AM - 09:20 AM	ppm	-	0.33	0.90	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Non Methane Hydrocarbon as Propane *	09:00 AM - 09:20 AM	ppm	-	0.33	0.53	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Styrene *	09:00 AM - 11:00 AM	ppm	-	0.05	<0.05	100	In - house method : STM 04-032 based on NIOSH Manual of Analytical Methods, 4th ed., NMAM, method 1501, issue 3, 2003 (Include sampling)	MOL	Bangkok
Total Dust	09:00 AM - 11:00 AM	mg/m3	-	0.15	<0.15	15	In-house method : STM 02-022 based on NIOSH Manual of Analytical Method, 4th ed., NMAM, method 0500 Issue 2, 1994 (Include sampling)	OSHA	Rayong
Total Hydrocarbon as Propane *	09:00 AM - 09:20 AM	ppm	-	0.33	1.43	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 : Nattakarn Vonginyoo

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Analysis / Test Report

TESTING
No.0042

Client : Siam Polystyrene Co., Ltd.
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21150
P/O : 4516912284
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2594658

Date Received : Nov 13, 2025
Date Reported : Nov 21, 2025
Report Number : 3424963-1

Page 5 of 5

Sample Number : 2594658-5
Sampled Date : Nov 12, 2025
Sample Description : Air Quality
Location : Packaging
Date Analysis Commenced : Nov 14, 2025
Condition of Sample : Drawn into one 10-L air sampling bag, one filter paper placed in plastic cassette and one sorbent tube, refrigerated
Barometric Pressure : 757 mmHg
Atmospheric Temperature : 31.5 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Methane as Propane *	09:50 AM - 10:10 AM	ppm	-	0.33	0.90	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Non Methane Hydrocarbon as Propane *	09:50 AM - 10:10 AM	ppm	-	0.33	0.53	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Styrene *	09:10 AM - 11:10 AM	ppm	-	0.05	<0.05	100	In - house method : STM 04-032 based on NIOSH Manual of Analytical Methods, 4th ed., NMAM, method 1501, issue 3, 2003 (Include sampling)	MOL	Bangkok
Total Dust	09:10 AM - 11:00 AM	mg/m3	-	0.15	<0.15	15	In-house method : STM 02-022 based on NIOSH Manual of Analytical Method, 4th ed., NMAM, method 0500 Issue 2, 1994 (Include sampling)	OSHA	Rayong
Total Hydrocarbon as Propane *	09:50 AM - 10:10 AM	ppm	-	0.33	1.43	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 : Nattakarn Vonginyoo

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ระดับเสียงในสถานที่ทำงาน



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 : 4516912284

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2574212

Date Received : Aug 20, 2025

Date Reported : Aug 26, 2025

Report Number: 3391178-1

Page 1 of 1

Sample Number 2574212-1
Parameter Noise (Leq 8 hrs.)
Location MRU
Measurement Date Aug 20, 2025
Measurement by Apichart Wilars

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:01 AM - 10:01 AM	81.5	85.2	81.1
10:01 AM - 11:01 AM	82.1	85.7	81.5
11:01 AM - 12:01 PM	81.7	84.6	81.3
12:01 PM - 01:01 PM	81.3	84.3	81.0
01:01 PM - 02:01 PM	81.5	89.5	81.1
02:01 PM - 03:01 PM	81.6	88.3	81.0
03:01 PM - 04:01 PM	81.4	84.3	81.1
04:01 PM - 05:01 PM	81.3	83.9	81.1

Leq Average 8 hrs. (dB(A))

81.6

Lmax (dB(A))

89.5

Standard (dB(A))

90

140

Reference Method : ISO 1996-1 : 2016

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head

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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 : 4516912284

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2574212

Date Received : Aug 20, 2025

Date Reported : Aug 26, 2025

Report Number: 3391179-1

Page 1 of 1

Sample Number 2574212-2
Parameter Noise (Leq 8 hrs.)
Location Transfer Blower
Measurement Date Aug 20, 2025
Measurement by Apichart Wilars

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:09 AM - 10:09 AM	85.5	92.1	78.6
10:09 AM - 11:09 AM	85.6	88.7	85.2
11:09 AM - 12:09 PM	86.7	89.0	86.3
12:09 PM - 01:09 PM	86.8	89.2	86.4
01:09 PM - 02:09 PM	86.6	89.1	86.3
02:09 PM - 03:09 PM	78.7	84.3	78.4
03:09 PM - 04:09 PM	84.2	89.1	78.5
04:09 PM - 05:09 PM	86.9	89.1	86.6

Leq Average 8 hrs. (dB(A))

85.7

Lmax (dB(A))

92.1

Standard (dB(A))

90

140

Reference Method : ISO 1996-1 : 2016

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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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 : 4516912284

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2574212

Date Received : Aug 20, 2025

Date Reported : Aug 26, 2025

Report Number: 3391180-1

Page 1 of 1

Sample Number 2574212-3
Parameter Noise (Leq 8 hrs.)
Location Emergency Generator
Measurement Date Aug 20, 2025
Measurement by Apichart Wilars

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:19 AM - 10:19 AM	81.2	85.9	79.3
10:19 AM - 11:19 AM	82.4	86.2	79.3
11:19 AM - 12:19 PM	80.5	85.6	78.6
12:19 PM - 01:19 PM	81.3	85.7	79.0
01:19 PM - 02:19 PM	81.5	86.3	78.8
02:19 PM - 03:19 PM	81.8	87.2	78.3
03:19 PM - 04:19 PM	81.0	85.8	77.7
04:19 PM - 05:19 PM	80.3	85.8	78.7

Leq Average 8 hrs. (dB(A))

81.3

Lmax (dB(A))

87.2

Standard (dB(A))

90

140

Reference Method : ISO 1996-1 : 2016

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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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 : 4516912284

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2574212

Date Received : Aug 20, 2025

Date Reported : Aug 26, 2025

Report Number: 3391181-1

Page 1 of 1

Sample Number 2574212-4
Parameter Noise (Leq 8 hrs.)
Location Pelletizer
Measurement Date Aug 20, 2025
Measurement by Apichart Wilars

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:10 AM - 10:10 AM	89.1	90.4	88.7
10:10 AM - 11:10 AM	88.9	92.8	88.5
11:10 AM - 12:10 PM	89.5	90.5	89.1
12:10 PM - 01:10 PM	88.9	89.7	88.6
01:10 PM - 02:10 PM	88.8	90.6	88.5
02:10 PM - 03:10 PM	88.8	93.8	88.4
03:10 PM - 04:10 PM	88.5	89.5	88.2
04:10 PM - 05:10 PM	88.6	89.3	88.3

Leq Average 8 hrs. (dB(A))

88.9

Lmax (dB(A))

93.8

Standard (dB(A))

90

140

Reference Method : ISO 1996-1 : 2016

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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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 : 4516912284

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2594659

Date Received : Nov 13, 2025

Date Reported : Nov 19, 2025

Report Number: 3454207-1

Page 1 of 1

Sample Number 2594659-1
Parameter Noise (Leq 8 hrs.)
Location MRU
Measurement Date Nov 12, 2025
Measurement by Nattakarn Vonginyoo

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:59 AM - 09:59 AM	81.4	86.2	80.9
09:59 AM - 10:59 AM	83.4	94.6	81.4
10:59 AM - 11:59 AM	84.1	87.4	83.3
11:59 AM - 12:59 PM	82.4	86.3	81.9
12:59 PM - 01:59 PM	83.0	103.9	81.6
01:59 PM - 02:59 PM	81.7	89.7	81.4
02:59 PM - 03:59 PM	81.5	84.8	81.1
03:59 PM - 04:59 PM	81.5	87.5	81.1

Leq Average 8 hrs. (dB(A))

82.5

Lmax (dB(A))

103.9

Standard (dB(A))

90

140

Reference Method : ISO 1996-1 : 2016

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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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 : 4516912284

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2594659

Date Received : Nov 13, 2025

Date Reported : Nov 19, 2025

Report Number: 3454208-1

Page 1 of 1

Sample Number 2594659-2
Parameter Noise (Leq 8 hrs.)
Location Transfer Blower
Measurement Date Nov 12, 2025
Measurement by Nattakarn Vonginyoo

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:04 AM - 10:04 AM	83.1	91.4	82.8
10:04 AM - 11:04 AM	82.6	91.9	77.5
11:04 AM - 12:04 PM	81.0	84.8	77.5
12:04 PM - 01:04 PM	82.3	83.7	81.6
01:04 PM - 02:04 PM	82.8	84.1	82.6
02:04 PM - 03:04 PM	82.8	83.9	82.6
03:04 PM - 04:04 PM	82.3	83.9	77.2
04:04 PM - 05:04 PM	82.5	84.0	79.6

Leq Average 8 hrs. (dB(A))

82.5

Lmax (dB(A))

91.9

Standard (dB(A))

90

140

Reference Method : ISO 1996-1 : 2016

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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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 : 4516912284

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2594659

Date Received : Nov 13, 2025

Date Reported : Nov 19, 2025

Report Number: 3454209-1

Page 1 of 1

Sample Number 2594659-3
Parameter Noise (Leq 8 hrs.)
Location Emergency Generator
Measurement Date Nov 12, 2025
Measurement by Nattakarn Vonginyoo

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:17 AM - 10:17 AM	84.2	86.9	83.4
10:17 AM - 11:17 AM	83.9	87.1	82.0
11:17 AM - 12:17 PM	84.1	86.9	82.1
12:17 PM - 01:17 PM	83.8	87.3	81.0
01:17 PM - 02:17 PM	80.4	84.7	77.9
02:17 PM - 03:17 PM	82.3	86.5	81.4
03:17 PM - 04:17 PM	81.5	85.1	80.9
04:17 PM - 05:17 PM	81.9	85.6	81.1

Leq Average 8 hrs. (dB(A))

83.0

Lmax (dB(A))

87.3

Standard (dB(A))

90

140

Reference Method : ISO 1996-1 : 2016

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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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 : 4516912284

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2594659

Date Received : Nov 13, 2025

Date Reported : Nov 19, 2025

Report Number: 3454210-1

Page 1 of 1

Sample Number 2594659-4
Parameter Noise (Leq 8 hrs.)
Location Pelletizer
Measurement Date Nov 12, 2025
Measurement by Nattakarn Vonginyoo

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:11 AM - 10:11 AM	87.9	91.8	87.6
10:11 AM - 11:11 AM	87.9	91.0	87.6
11:11 AM - 12:11 PM	88.0	89.0	87.5
12:11 PM - 01:11 PM	87.6	89.6	87.4
01:11 PM - 02:11 PM	87.7	90.7	87.5
02:11 PM - 03:11 PM	87.7	94.5	87.3
03:11 PM - 04:11 PM	87.8	90.8	87.3
04:11 PM - 05:11 PM	87.7	90.3	87.2

Leq Average 8 hrs. (dB(A))

87.8

Lmax (dB(A))

94.5

Standard (dB(A))

90

140

Reference Method : ISO 1996-1 : 2016

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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