

## ภาคผนวก ค

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ใบรับรองผลการตรวจวัดคุณภาพสิ่งแวดล้อม

# ภาคผนวก ค-1

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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 : 4515755108

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 24105332

Date Received : Sep 19, 2024

Date Reported : Sep 27, 2024

Report Number: 3108256-1

Page 1 of 2

Sample Number	24105332-1
Sampled Date	Sep 19, 2024
Sample Description	Emission from Stationary Source
Location	Heater A (GPS 47P 033735, 1404279)
Date Analysis Commenced	Sep 20, 2024
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	752	mmHg	Diameter	0.60	m	Oxygen	6.4	%
Ambient Temperature	34.6	°C	Shape	Circle		Carbon Dioxide	8.3	%
Type of Process	Combustion		Stack Temperature	240	°C	Gas Velocity	5.4	m/s
Type of Fuel	Natural Gas		Moisture	10.32	%	Flow Rate (Actual O2)	2832	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result		Guideline (1)	Guideline (2)	Method	Testing Location
					at 7 %O <sub>2</sub>	at 6.4 % O <sub>2</sub>				
Air Testing										
Carbon Monoxide *	12:50 PM - 01:00 PM	ppm	-	1.0	<1.0	<1.0	690	-	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	12:40 PM - 12:50 PM	ppm	-	1.06	46.4	48.40	200	149	United States Environmental Protection Agency, EPA Method 7	Rayong
Sulfur dioxide *	12:30 PM - 01:00 PM	ppm	-	2.0	<2.0	<2.0	60	-	United States Environmental Protection Agency, EPA Method 6	Rayong
Total Suspended Particulate	12:30 PM - 01:18 PM	mg/m3	-	0.5	0.8	0.83	320	68	United States Environmental Protection Agency, EPA Method 5	Rayong

### Guideline :

Guideline

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

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

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0029

Approved by

*D. Chumon.*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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S:\Reports\\_Air Stack\_O2\_2GL.rpt (10:46AM)



## 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 : 4515755108

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 24105332

Date Received : Sep 19, 2024

Date Reported : Sep 27, 2024

Report Number: 3108256-1

Page 2 of 2

Sample Number	24105332-1
Sampled Date	Sep 19, 2024
Sample Description	Emission from Stationary Source
Location	Heater A (GPS 47P 033735, 1404279)
Date Analysis Commenced	Sep 20, 2024
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	752	mmHg	Diameter	0.60	m	Oxygen	6.4	%
Ambient Temperature	34.6	°C	Shape	Circle		Carbon Dioxide	8.3	%
Type of Process	Combustion		Stack Temperature	240	°C	Gas Velocity	5.4	m/s
Type of Fuel	Natural Gas		Moisture	10.32	%	Flow Rate (Actual O2)	2832	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Air Testing</b>									
Carbon Monoxide *	12:50 PM - 01:00 PM	g/s	-	-	<0.001	-	-	Calculated	Rayong
Oxides of Nitrogen *	12:40 PM - 12:50 PM	g/s	-	-	0.072	-	0.37	Calculated	Rayong
Sulfur dioxide *	12:30 PM - 01:00 PM	g/s	-	-	<0.004	-	-	Calculated	Rayong
Total Suspended Particulate *	12:30 PM - 01:18 PM	g/s	-	-	0.001	-	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 : Warawut Pubpa ทะเบียนเลขที่ ว-323-จ-0033

### 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

*D. Changchon*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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## ภาคผนวก ค-2

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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 : 4515755108

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phu\_PS (SPCL)

Lot ID: 24105327

Date Received : Sep 24, 2024

Date Reported : Sep 27, 2024

Report Number: 3108252-1

Page 1 of 1

Sample Description	Air Quality			
Location	บริเวณด้านทิศตะวันตกของนิคมอุตสาหกรรม (GPS 47P 0731964, 1403752)			
Date Analysis Commenced	Sep 24, 2024			
Condition of Sample	Drawn into one glass filter paper (8x10 inch) placed in plastic bag			
Sample Number	Sampled Date	Total Suspended Particulate (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
24105327-1	Sep 15 - Sep 16, 2024	0.050	756	31
24105327-2	Sep 16 - Sep 17, 2024	0.050	756	31
24105327-3	Sep 17 - Sep 18, 2024	0.083	756	32
24105327-4	Sep 18 - Sep 19, 2024	0.050	756	29
24105327-5	Sep 19 - Sep 20, 2024	0.033	756	30
24105327-6	Sep 20 - Sep 21, 2024	0.034	756	30
24105327-7	Sep 21 - Sep 22, 2024	0.034	756	31
Guideline		0.33	-	-

### Reference Method

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

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

Sampled By : Nontachai Uppathamp

### Remark :

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

Approved by

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

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## 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 : 4515073640

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phu\_PS (SPCL)

Lot ID: 24105311

Date Received : Sep 24, 2024

Date Reported : Sep 28, 2024

Report Number : 3108224-1C8

Page 1 of 1

Sample Description	Air Quality			
Location	บ้านสวนประจักษ์ (โรงพยาบาลส่งเสริมสุขภาพตำบลตากวน) (GPS 47P 0735531, 1402769)			
Date Analysis Commenced	Sep 24, 2024			
Condition of Sample	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag			
Sample Number	Sampled Date	Total Suspended Particulate (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
24105311-1	Sep 15 - Sep 16, 2024	0.061	756	31
24105311-2	Sep 16 - Sep 17, 2024	0.059	756	31
24105311-3	Sep 17 - Sep 18, 2024	0.078	756	32
24105311-4	Sep 18 - Sep 19, 2024	0.050	756	29
24105311-5	Sep 19 - Sep 20, 2024	0.031	756	30
24105311-6	Sep 20 - Sep 21, 2024	0.028	756	30
24105311-7	Sep 21 - Sep 22, 2024	0.037	756	31
Guideline		0.33	-	-

### Reference Method

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

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

Sampled By : Nontachai Uppathamp

Approved by

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

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## Analysis / Test Report



TESTING  
No.0042

Lot ID: 24105315

Date Received : Sep 24, 2024

Date Reported : Sep 28, 2024

Report Number : 3108229-1CB

Client : Siam Polystyrene Co., Ltd.

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

21150

P/O : 4515073640

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut\_PS (SPCL)

Sample Description	Air Quality
Location	บ้านนาหว้า (GPS 47P 0735346, 1406705)
Date Analysis Commenced	Sep 24, 2024
Condition of Sample	Drawn into one glass filter paper (8x10 Inch) placed in plastic bag and one quartz filter paper (8x10 Inch) placed in plastic bag

Sample Number	Sampled Date	Total Suspended Particulate (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
24105315-1	Sep 15 - Sep 16, 2024	0.040	756	31
24105315-2	Sep 16 - Sep 17, 2024	0.047	756	31
24105315-3	Sep 17 - Sep 18, 2024	0.047	756	32
24105315-4	Sep 18 - Sep 19, 2024	0.034	756	29
24105315-5	Sep 19 - Sep 20, 2024	0.026	756	30
24105315-6	Sep 20 - Sep 21, 2024	0.031	756	30
24105315-7	Sep 21 - Sep 22, 2024	0.037	756	31

### Guideline

### Reference Method

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

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

Sampled By : 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 : 4515755108

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 24105324

Date Received : Sep 24, 2024

Date Reported : Sep 28, 2024

Report Number: 3108241-1

Page 1 of 1

Sample Description	Air Quality
Location	บริเวณด้านทิศตะวันตกของบริเวณ ปิ่นอินแอลพี จำกัด (มหาชน) (GPS 47P 0731964, 1403752)
Parameter	Nitrogen dioxide (ppm)
Measurement Date	Sep 15, 2024 - Sep 22, 2024
Measurement by	Nontachai Uppathamp

Time	24105324-1 Sep 15, 2024	24105324-2 Sep 16, 2024	24105324-3 Sep 17, 2024	24105324-4 Sep 18, 2024	24105324-5 Sep 19, 2024	24105324-6 Sep 20, 2024	24105324-7 Sep 21, 2024
11:00 AM - 12:00 PM	0.0028	0.0095	0.0179	0.0179	0.0222	0.0060	0.0057
12:00 PM - 01:00 PM	0.0034	0.0085	0.0146	0.0131	0.0150	0.0073	0.0051
01:00 PM - 02:00 PM	0.0060	0.0058	0.0109	0.0090	0.0132	0.0075	0.0041
02:00 PM - 03:00 PM	0.0041	0.0047	0.0114	0.0085	0.0072	0.0067	0.0039
03:00 PM - 04:00 PM	0.0034	0.0039	0.0079	0.0049	0.0057	0.0065	0.0041
04:00 PM - 05:00 PM	0.0042	0.0060	0.0079	0.0061	0.0074	0.0069	0.0051
05:00 PM - 06:00 PM	0.0046	0.0066	0.0093	0.0062	0.0173	0.0054	0.0045
06:00 PM - 07:00 PM	0.0041	0.0083	0.0091	0.0084	0.0066	0.0048	0.0045
07:00 PM - 08:00 PM	0.0038	0.0081	0.0099	0.0089	0.0065	0.0048	0.0044
08:00 PM - 09:00 PM	0.0038	0.0071	0.0115	0.0116	0.0045	0.0045	0.0041
09:00 PM - 10:00 PM	0.0031	0.0053	0.0104	0.0211	0.0043	0.0032	0.0034
10:00 PM - 11:00 PM	0.0042	0.0064	0.0100	0.0138	0.0034	0.0035	0.0036
11:00 PM - 12:00 AM	0.0052	0.0034	0.0068	0.0095	0.0037	0.0035	0.0032
12:00 AM - 01:00 AM	0.0045	0.0049	0.0038	0.0041	0.0035	0.0038	0.0035
01:00 AM - 02:00 AM	0.0050	0.0047	0.0066	0.0045	0.0041	0.0038	0.0039
02:00 AM - 03:00 AM	0.0052	0.0055	0.0040	0.0063	0.0033	0.0033	0.0036
03:00 AM - 04:00 AM	0.0051	0.0054	0.0044	0.0088	0.0039	0.0035	0.0035
04:00 AM - 05:00 AM	0.0070	0.0060	0.0049	0.0046	0.0041	0.0032	0.0030
05:00 AM - 06:00 AM	0.0058	0.0061	0.0038	0.0043	0.0041	0.0030	0.0029
06:00 AM - 07:00 AM	0.0034	0.0045	0.0039	0.0046	0.0034	0.0031	0.0029
07:00 AM - 08:00 AM	0.0057	0.0036	0.0038	0.0053	0.0030	0.0029	0.0028
08:00 AM - 09:00 AM	0.0110	0.0049	0.0048	0.0064	0.0156	0.0036	0.0032
09:00 AM - 10:00 AM	0.0282	0.0097	0.0121	0.0167	0.0203	0.0045	0.0046
10:00 AM - 11:00 AM	0.0110	0.0278	0.0148	0.0188	0.0060	0.0057	0.0047
Average	0.0060	0.0069	0.0085	0.0093	0.0078	0.0046	0.0039
1hr - Maximum	0.0282	0.0278	0.0179	0.0211	0.0222	0.0075	0.0057
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

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

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

Approved by

Orawan R.

Orawan Rakong  
Scientist (3)

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## Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

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

P/O : 4700033695

Project Name :

Project Location :

Lot ID: 24105304

Date Received : Sep 24, 2024

Date Reported : Sep 28, 2024

Report Number: 3108214-1C8

Page 1 of 1

Sample Description Air Quality

Location บ้านฉางประจักษ์ (โรงพยาบาลส่งเสริมสุขภาพตำบลตากวน) (GPS 47P 0735531, 1402769)

Parameter Nitrogen dioxide (ppm)

Measurement Date Sep 15, 2024 - Sep 22, 2024

Measurement by Nontachal Uppathamp

Time	24105304-1 Sep 15, 2024	24105304-2 Sep 16, 2024	24105304-3 Sep 17, 2024	24105304-4 Sep 18, 2024	24105304-5 Sep 19, 2024	24105304-6 Sep 20, 2024	24105304-7 Sep 21, 2024
10:00 AM - 11:00 AM	0.0055	0.0026	0.0038	0.0043	0.0040	0.0015	0.0011
11:00 AM - 12:00 PM	0.0052	0.0012	0.0029	0.0037	0.0035	0.0013	0.0012
12:00 PM - 01:00 PM	0.0019	0.0009	0.0026	0.0033	0.0045	0.0010	0.0013
01:00 PM - 02:00 PM	0.0015	0.0009	0.0028	0.0029	0.0039	0.0010	0.0013
02:00 PM - 03:00 PM	0.0008	0.0009	0.0027	0.0013	0.0025	0.0010	0.0015
03:00 PM - 04:00 PM	0.0006	0.0007	0.0026	0.0014	0.0019	0.0008	0.0013
04:00 PM - 05:00 PM	0.0008	0.0012	0.0024	0.0015	0.0015	0.0012	0.0018
05:00 PM - 06:00 PM	0.0009	0.0018	0.0033	0.0028	0.0017	0.0014	0.0017
06:00 PM - 07:00 PM	0.0013	0.0016	0.0046	0.0028	0.0021	0.0019	0.0027
07:00 PM - 08:00 PM	0.0017	0.0024	0.0070	0.0028	0.0024	0.0020	0.0024
08:00 PM - 09:00 PM	0.0024	0.0016	0.0063	0.0039	0.0023	0.0014	0.0020
09:00 PM - 10:00 PM	0.0039	0.0019	0.0052	0.0035	0.0023	0.0012	0.0013
10:00 PM - 11:00 PM	0.0031	0.0034	0.0030	0.0027	0.0019	0.0011	0.0012
11:00 PM - 12:00 AM	0.0025	0.0049	0.0028	0.0037	0.0017	0.0012	0.0010
12:00 AM - 01:00 AM	0.0031	0.0029	0.0028	0.0038	0.0015	0.0010	0.0008
01:00 AM - 02:00 AM	0.0016	0.0021	0.0012	0.0024	0.0012	0.0010	0.0008
02:00 AM - 03:00 AM	0.0018	0.0017	0.0013	0.0031	0.0010	0.0007	0.0018
03:00 AM - 04:00 AM	0.0009	0.0012	0.0025	0.0036	0.0020	0.0006	0.0019
04:00 AM - 05:00 AM	0.0007	0.0011	0.0013	0.0031	0.0024	0.0006	0.0017
05:00 AM - 06:00 AM	0.0008	0.0013	0.0020	0.0019	0.0024	0.0006	0.0011
06:00 AM - 07:00 AM	0.0010	0.0028	0.0037	0.0016	0.0011	0.0009	0.0012
07:00 AM - 08:00 AM	0.0011	0.0023	0.0042	0.0022	0.0018	0.0013	0.0022
08:00 AM - 09:00 AM	0.0016	0.0044	0.0040	0.0030	0.0033	0.0019	0.0024
09:00 AM - 10:00 AM	0.0034	0.0038	0.0051	0.0031	0.0017	0.0016	0.0018
Average	0.0020	0.0021	0.0033	0.0028	0.0023	0.0012	0.0016
1hr - Maximum	0.0055	0.0049	0.0070	0.0043	0.0045	0.0020	0.0027
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

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

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

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Approved by

*Orawan R.*

Orawan Rakyong  
Scientist (3)

ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand | PHONE +66 0 2760 3000 | FAX +66 0 2760 3197

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## Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

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

P/O : 4503132058

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID: 24105305

Date Received : Sep 24, 2024

Date Reported : Sep 28, 2024

Report Number: 3108215-1C8

Page 1 of 1

Sample Description Air Quality

Location บ้านนาบตาพุด (GPS 47P 0735346, 1406705)

Parameter Nitrogen dioxide (ppm)

Measurement Date Sep 15, 2024 - Sep 22, 2024

Measurement by Nontachal Uppathamp

Time	24105305-1 Sep 15, 2024	24105305-2 Sep 16, 2024	24105305-3 Sep 17, 2024	24105305-4 Sep 18, 2024	24105305-5 Sep 19, 2024	24105305-6 Sep 20, 2024	24105305-7 Sep 21, 2024
09:00 AM - 10:00 AM	0.0125	0.0026	0.0038	0.0043	0.0040	0.0015	0.0011
10:00 AM - 11:00 AM	0.0119	0.0012	0.0029	0.0037	0.0035	0.0013	0.0012
11:00 AM - 12:00 PM	0.0019	0.0009	0.0026	0.0033	0.0045	0.0010	0.0013
12:00 PM - 01:00 PM	0.0015	0.0009	0.0028	0.0029	0.0039	0.0010	0.0013
01:00 PM - 02:00 PM	0.0008	0.0009	0.0027	0.0013	0.0025	0.0010	0.0015
02:00 PM - 03:00 PM	0.0006	0.0007	0.0026	0.0014	0.0019	0.0008	0.0013
03:00 PM - 04:00 PM	0.0008	0.0012	0.0024	0.0015	0.0015	0.0012	0.0018
04:00 PM - 05:00 PM	0.0009	0.0018	0.0033	0.0028	0.0017	0.0014	0.0017
05:00 PM - 06:00 PM	0.0013	0.0016	0.0046	0.0028	0.0021	0.0019	0.0027
06:00 PM - 07:00 PM	0.0017	0.0024	0.0070	0.0028	0.0024	0.0020	0.0024
07:00 PM - 08:00 PM	0.0024	0.0016	0.0063	0.0039	0.0023	0.0014	0.0020
08:00 PM - 09:00 PM	0.0039	0.0019	0.0052	0.0035	0.0023	0.0012	0.0013
09:00 PM - 10:00 PM	0.0031	0.0034	0.0030	0.0027	0.0019	0.0011	0.0012
10:00 PM - 11:00 PM	0.0025	0.0049	0.0028	0.0037	0.0017	0.0012	0.0010
11:00 PM - 12:00 AM	0.0031	0.0029	0.0028	0.0038	0.0015	0.0010	0.0008
12:00 AM - 01:00 AM	0.0016	0.0021	0.0012	0.0024	0.0012	0.0010	0.0008
01:00 AM - 02:00 AM	0.0018	0.0017	0.0013	0.0031	0.0010	0.0007	0.0018
02:00 AM - 03:00 AM	0.0009	0.0012	0.0025	0.0036	0.0020	0.0006	0.0019
03:00 AM - 04:00 AM	0.0007	0.0011	0.0013	0.0031	0.0024	0.0006	0.0017
04:00 AM - 05:00 AM	0.0008	0.0013	0.0020	0.0019	0.0024	0.0006	0.0011
05:00 AM - 06:00 AM	0.0010	0.0028	0.0037	0.0016	0.0011	0.0009	0.0012
06:00 AM - 07:00 AM	0.0011	0.0023	0.0042	0.0022	0.0018	0.0013	0.0022
07:00 AM - 08:00 AM	0.0016	0.0044	0.0040	0.0030	0.0033	0.0019	0.0024
08:00 AM - 09:00 AM	0.0034	0.0038	0.0051	0.0031	0.0017	0.0016	0.0018
Average	0.0026	0.0021	0.0033	0.0028	0.0023	0.0012	0.0016
1hr - Maximum	0.0125	0.0049	0.0070	0.0043	0.0045	0.0020	0.0027
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

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

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

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Approved by

*Orawan R.*

Orawan Rakyong  
Scientist (3)

ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand | PHONE +66 0 2760 3000 | FAX +66 0 2760 3197

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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: 24105325  
Date Received :Sep 24, 2024  
Date Reported :Sep 28, 2024  
Report Number :3108248-1

P/O : 4515755108  
Project Name : Environmental Quality Monitoring  
Project Location : Map Ta Phut\_PS (SPCL)

Page 1 of 2

Sample Number : 24105325-1 to 7  
Parameter : Wind Speed / Wind Direction  
Location : บริเวณพื้นที่ตะวันตกของนิคมอุตสาหกรรมอีสเทิร์นเอเซีย จำกัด (มหาชน) (GPS 47P 0731964, 1403752)  
Sampling Date : Sep 15 - Sep 22, 2024  
Sampling by : Nontachai Uppathamp

Time	Sep 15 - Sep 16, 2024			Sep 16 - Sep 17, 2024			Sep 17 - Sep 18, 2024			Sep 18 - Sep 19, 2024			Sep 19 - Sep 20, 2024			Sep 20 - Sep 21, 2024			Sep 21 - Sep 22, 2024		
	WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)	
11:00 AM - 12:00 PM	1.1	249.0	WSW	2.2	246.0	WSW	2.8	311.0	NW	2.7	295.0	WNW	1.9	329.0	NNW	2.1	209.0	SSW	3.3	194.0	SSW
12:00 PM - 01:00 PM	1.4	236.0	SW	2.4	181.0	S	2.1	359.0	N	1.6	287.0	WNW	1.5	262.0	W	4.5	184.0	S	1.9	202.0	SSW
01:00 PM - 02:00 PM	3.0	178.0	S	2.1	206.0	SSW	3.7	335.0	NNW	1.0	271.0	W	1.1	206.0	SSW	6.7	212.0	SSW	5.4	235.0	SW
02:00 PM - 03:00 PM	1.6	215.0	SW	1.3	168.0	SSE	2.5	287.0	WNW	2.6	160.0	SSE	3.5	241.0	WSW	4.1	186.0	S	6.6	223.0	SW
03:00 PM - 04:00 PM	2.1	194.0	SSW	5.7	223.0	SW	1.4	327.0	NNW	4.0	220.0	SW	0.5	228.0	SW	2.1	186.0	S	4.7	196.0	SSW
04:00 PM - 05:00 PM	2.8	202.0	SSW	2.7	204.0	SSW	2.4	351.0	N	2.3	195.0	SSW	1.3	292.0	WNW	3.4	188.0	S	3.7	238.0	WSW
05:00 PM - 06:00 PM	2.0	187.0	S	2.2	227.0	SW	2.4	298.0	WNW	2.0	226.0	SW	3.7	243.0	WSW	1.2	175.0	S	2.2	134.0	SE
06:00 PM - 07:00 PM	2.0	176.0	S	3.0	211.0	SSW	3.0	319.0	NW	1.1	345.0	NNW	2.8	205.0	SSW	3.2	230.0	SW	4.4	180.0	S
07:00 PM - 08:00 PM	1.2	170.0	S	2.4	175.0	S	1.7	289.0	WNW	0.7	86.0	E	2.9	233.0	SW	3.9	247.0	WSW	3.6	202.0	SSW
08:00 PM - 09:00 PM	0.7	222.0	SW	2.2	220.0	SW	1.2	274.0	W	1.3	308.0	NW	1.0	198.0	SSW	1.6	176.0	S	1.1	212.0	SSW
09:00 PM - 10:00 PM	4.0	310.0	NW	2.0	240.0	WSW	1.1	272.0	W	1.2	337.0	NNW	0.8	180.0	S	1.6	189.0	S	4.2	214.0	SW
10:00 PM - 11:00 PM	2.6	325.0	NW	4.8	320.0	NW	0.5	155.0	SSE	1.1	179.0	S	0.8	195.0	SSW	1.8	222.0	SW	2.1	226.0	SW
11:00 PM - 12:00 AM	0.9	239.0	WSW	1.9	332.0	NNW	0.7	154.0	SSE	3.3	191.0	S	1.8	163.0	SSE	1.9	291.0	WNW	3.6	222.0	SW
12:00 AM - 01:00 AM	0.7	319.0	NW	2.1	292.0	WNW	1.6	305.0	NW	1.5	324.0	NW	0.9	218.0	SW	2.7	246.0	WSW	4.9	243.0	WSW
01:00 AM - 02:00 AM	0.7	334.0	NNW	1.4	298.0	WNW	0.6	237.0	WSW	0.9	310.0	NW	2.4	226.0	SW	1.4	206.0	SSW	1.3	185.0	S
02:00 AM - 03:00 AM	1.1	300.0	WNW	0.8	304.0	NW	0.4	309.0	NW	1.4	322.0	NW	0.6	224.0	SW	5.4	214.0	SW	2.8	174.0	S
03:00 AM - 04:00 AM	0.3	328.0	NNW	1.9	325.0	NW	3.1	271.0	W	0.8	326.0	NW	1.5	322.0	NW	3.5	179.0	S	1.9	215.0	SW
04:00 AM - 05:00 AM	0.3	168.0	SSE	0.0	-	-	0.9	331.0	NNW	1.8	359.0	N	0.0	-	-	2.6	197.0	SSW	1.8	151.0	SSE
05:00 AM - 06:00 AM	0.0	-	-	0.5	199.0	SSW	3.0	319.0	NW	2.0	335.0	NNW	0.3	243.0	WSW	3.4	221.0	SW	3.2	162.0	SSE
06:00 AM - 07:00 AM	0.9	336.0	NNW	0.0	-	-	4.1	256.0	WSW	1.1	344.0	NNW	2.5	209.0	SSW	1.2	191.0	S	2.0	241.0	WSW
07:00 AM - 08:00 AM	0.0	-	-	1.3	277.0	W	2.6	2.0	N	1.0	348.0	NNW	0.7	310.0	NW	0.9	196.0	SSW	1.3	151.0	SSE
08:00 AM - 09:00 AM	2.0	279.0	W	1.1	331.0	NNW	2.0	346.0	NNW	1.2	347.0	NNW	1.1	356.0	N	4.2	210.0	SSW	2.9	227.0	SW
09:00 AM - 10:00 AM	0.6	211.0	SSW	1.6	326.0	NW	4.0	304.0	NW	1.3	309.0	NW	1.6	232.0	SW	2.0	207.0	SSW	2.1	168.0	SSE
10:00 AM - 11:00 AM	3.0	282.0	WNW	2.2	248.0	WSW	2.2	329.0	NNW	1.5	306.0	NW	1.8	223.0	SW	3.6	207.0	SSW	2.4	180.0	S

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Sarayuth Jitrarant  
Assistant General Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556  
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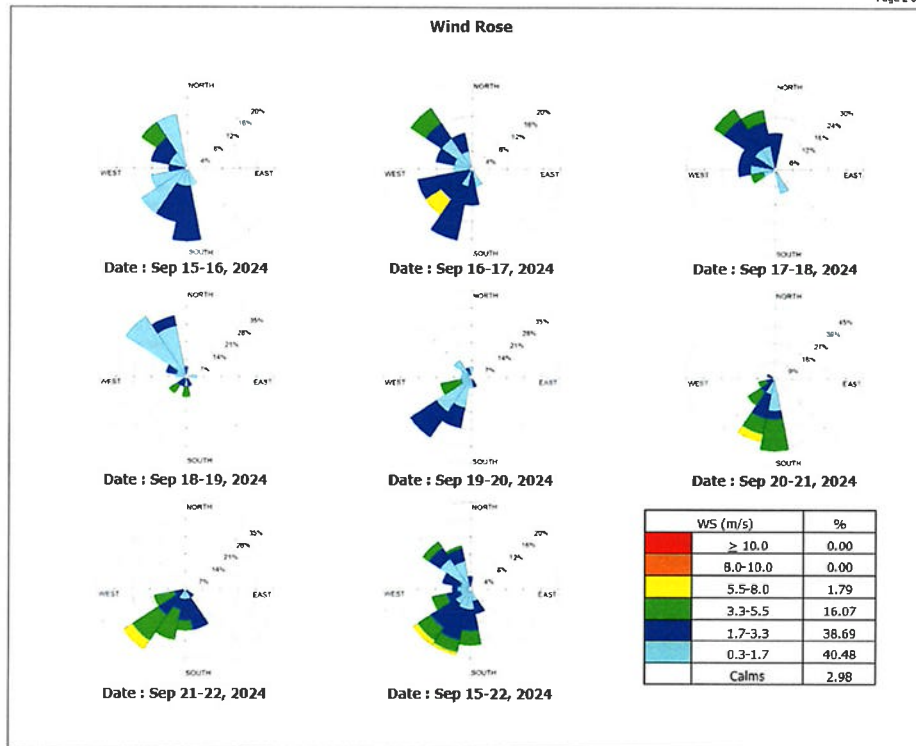
## Analysis / Test Report

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

Lot ID: 24105325  
Date Received :Sep 24, 2024  
Date Reported :Sep 28, 2024  
Report Number :3108248-1

P/O : 4515755108  
Project Name : Environmental Quality Monitoring  
Project Location : Map Ta Phut\_PS (SPCL)

Page 2 of 2



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Sarayuth Jitrarant  
Assistant General Manager

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

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 24105307

Date Received :Sep 24, 2024

Date Reported :Sep 28, 2024

Report Number :3108217-1 C8

Sample Number 24105307-1 to 7

Parameter Wind Speed / Wind Direction

Location บ้านฉางประจักษ์ (โรงพยาบาลส่งเสริมสุขภาพตำบลฉางประจักษ์) (GPS 47P 0735531, 1402769)

Sampling Date Sep 15 - Sep 22, 2024

Sampling by Nontachal Uppathamp

Page 1 of 2

Time	Sep 15 - Sep 16, 2024			Sep 16 - Sep 17, 2024			Sep 17 - Sep 18, 2024			Sep 18 - Sep 19, 2024			Sep 19 - Sep 20, 2024			Sep 20 - Sep 21, 2024			Sep 21 - Sep 22, 2024		
	WS (m/s)	WD (deg)	S	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	2.6	187.0	S	1.5	219.0	SW	3.1	294.0	WNW	1.2	235.0	SW	1.7	269.0	W	0.0	-	-	1.8	207.0	SSW
11:00 AM - 12:00 PM	0.2	-	-	0.4	185.0	S	1.2	294.0	WNW	1.0	296.0	WNW	0.3	198.0	SSW	2.3	248.0	WSW	1.2	189.0	S
12:00 PM - 01:00 PM	4.9	218.0	SW	4.0	174.0	S	0.8	278.0	W	2.9	197.0	SSW	0.3	200.0	SSW	0.4	243.0	WSW	0.9	202.0	SSW
01:00 PM - 02:00 PM	2.1	212.0	SSW	0.1	-	-	1.5	317.0	NW	1.6	182.0	S	1.1	178.0	S	0.6	233.0	SW	0.6	193.0	SSW
02:00 PM - 03:00 PM	3.3	237.0	WSW	0.4	172.0	S	0.8	233.0	SW	1.8	286.0	WNW	1.8	190.0	S	0.0	-	-	1.0	195.0	SSW
03:00 PM - 04:00 PM	1.7	239.0	WSW	0.7	252.0	WSW	1.6	312.0	NW	1.2	216.0	SW	1.0	207.0	SSW	2.2	200.0	SSW	1.1	153.0	SSE
04:00 PM - 05:00 PM	0.4	202.0	SSW	1.4	203.0	SSW	1.1	290.0	WNW	0.4	64.0	ENE	1.1	221.0	SW	3.0	226.0	SW	0.0	-	-
05:00 PM - 06:00 PM	0.4	222.0	SW	1.4	196.0	SSW	1.1	290.0	WNW	0.1	-	-	0.2	-	-	1.4	198.0	SSW	0.6	225.0	SW
06:00 PM - 07:00 PM	0.3	227.0	SW	0.5	155.0	SSE	0.0	-	-	0.0	-	-	0.2	-	-	2.0	184.0	S	1.6	161.0	SSE
07:00 PM - 08:00 PM	2.6	314.0	NW	0.0	-	-	0.7	269.0	W	0.0	-	-	0.0	-	-	2.0	195.0	SSW	0.6	195.0	SSW
08:00 PM - 09:00 PM	4.0	335.0	NNW	2.5	283.0	WNW	0.2	-	-	0.0	-	-	0.8	217.0	SW	1.7	225.0	SW	0.6	227.0	SW
09:00 PM - 10:00 PM	0.6	291.0	WNW	2.5	345.0	NNW	0.1	-	-	3.8	249.0	WSW	0.0	-	-	0.4	183.0	S	1.6	136.0	SE
10:00 PM - 11:00 PM	0.8	285.0	WNW	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.3	177.0	S	0.8	180.0	S
11:00 PM - 12:00 AM	1.7	311.0	NW	0.4	305.0	NW	0.1	-	-	0.0	-	-	0.0	-	-	0.5	116.0	ESE	1.6	268.0	W
12:00 AM - 01:00 AM	1.0	267.0	W	1.7	115.0	ESE	1.6	284.0	WNW	0.0	-	-	0.4	229.0	SW	0.0	-	-	1.7	204.0	SSW
01:00 AM - 02:00 AM	0.0	-	-	0.0	-	-	4.1	307.0	NW	0.0	-	-	2.3	295.0	WNW	1.7	217.0	SW	1.3	206.0	SSW
02:00 AM - 03:00 AM	0.4	106.0	ESE	0.0	-	-	0.0	-	-	0.3	273.0	W	0.0	-	-	1.2	217.0	SW	2.5	207.0	SSW
03:00 AM - 04:00 AM	0.0	-	-	0.2	-	-	1.1	311.0	NW	0.0	-	-	1.1	186.0	S	0.0	-	-	1.8	197.0	SSW
04:00 AM - 05:00 AM	0.3	78.0	ENE	0.6	248.0	WSW	2.1	301.0	WNW	0.0	-	-	0.3	213.0	SSW	0.4	187.0	S	0.5	213.0	SSW
05:00 AM - 06:00 AM	0.0	-	-	0.5	240.0	WSW	0.7	331.0	NNW	0.0	-	-	1.5	156.0	SSE	1.6	209.0	SSW	0.8	203.0	SSW
06:00 AM - 07:00 AM	0.1	-	-	0.9	314.0	NW	1.0	357.0	N	0.0	-	-	1.9	233.0	SW	1.3	230.0	SW	0.0	-	-
07:00 AM - 08:00 AM	0.3	233.0	SW	1.2	289.0	WNW	1.1	297.0	WNW	0.0	-	-	1.7	199.0	SSW	1.7	264.0	W	1.0	214.0	SW
08:00 AM - 09:00 AM	2.4	241.0	WSW	1.4	313.0	NW	1.1	287.0	WNW	0.0	-	-	0.4	187.0	S	1.0	190.0	S	2.2	222.0	SW
09:00 AM - 10:00 AM	2.4	178.0	S	1.4	312.0	NW	0.5	218.0	SW	0.1	-	-	0.7	219.0	SW	2.1	207.0	SSW	1.8	248.0	WSW

Reference Method : Cup Anemometer & Anodized Aluminum Vane Method

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Sarayuth Jitranont  
Assistant General Manager

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

Project Location : Map Ta Phut\_PS (SPCL)

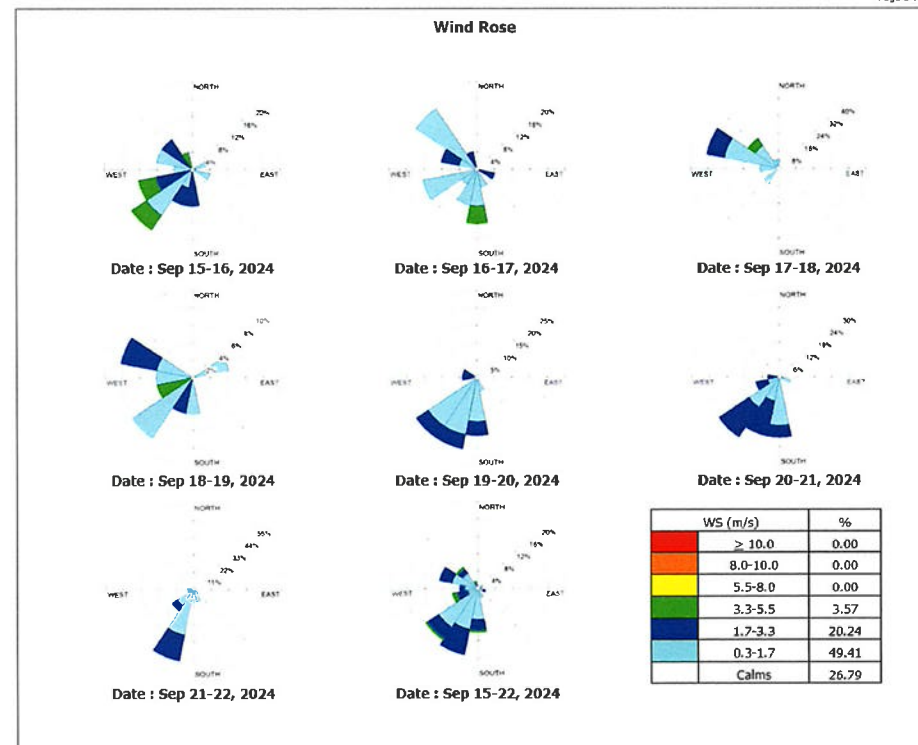
Lot ID: 24105307

Date Received :Sep 24, 2024

Date Reported :Sep 28, 2024

Report Number :3108217-1 C8

Page 2 of 2



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Approved by

Sarayuth Jitranont  
Assistant General Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Phrakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556  
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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: 24105310  
Date Received :Sep 24, 2024  
Date Reported :Sep 28, 2024  
Report Number :3108218-1 C8

P/O :  
Project Name : Environmental Quality Monitoring  
Project Location : Map Ta Phut\_PS (SPCL)

Page 1 of 2

Sample Number : 24105310-1 to 7  
Parameter : Wind Speed / Wind Direction  
Location : บ้านนาตาพูด (GPS 47P 0735346, 1406705)  
Sampling Date : Sep 15 - Sep 22, 2024  
Sampling by : Nontachai Uppathamp

Time	Sep 15 - Sep 16, 2024		Sep 16 - Sep 17, 2024		Sep 17 - Sep 18, 2024		Sep 18 - Sep 19, 2024		Sep 19 - Sep 20, 2024		Sep 20 - Sep 21, 2024		Sep 21 - Sep 22, 2024								
	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)							
09:00 AM - 10:00 AM	0.0	-	-	0.0	-	-	0.4	154.0	SSE	2.0	302.0	WNW	0.8	299.0	WNW	0.8	195.0	SSW	0.8	196.0	SSW
10:00 AM - 11:00 AM	0.9	183.0	S	0.0	-	-	1.1	139.0	SE	0.0	-	-	0.0	-	-	0.4	225.0	SW	0.6	164.0	SSE
11:00 AM - 12:00 PM	0.9	190.0	S	0.5	255.0	WSW	3.2	305.0	NW	0.0	-	-	0.2	-	-	0.3	214.0	SW	1.1	170.0	S
12:00 PM - 01:00 PM	0.0	-	-	0.5	106.0	ESE	3.6	309.0	NW	0.5	199.0	SSW	0.0	-	-	0.8	198.0	SSW	1.2	200.0	SSW
01:00 PM - 02:00 PM	0.4	184.0	S	0.0	-	-	2.1	321.0	NW	0.0	-	-	0.0	-	-	0.5	225.0	SW	0.0	-	-
02:00 PM - 03:00 PM	0.5	144.0	SE	0.0	-	-	0.9	129.0	SE	0.7	191.0	S	0.5	273.0	W	0.0	-	-	0.0	-	-
03:00 PM - 04:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.5	198.0	SSW	3.3	170.0	S
04:00 PM - 05:00 PM	0.0	-	-	0.5	196.0	SSW	0.0	-	-	0.5	24.0	NNE	0.0	-	-	0.0	-	-	0.0	-	-
05:00 PM - 06:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.7	235.0	SW	0.6	193.0	SSW
06:00 PM - 07:00 PM	2.4	239.0	WSW	0.6	185.0	S	0.0	-	-	0.0	-	-	0.0	-	-	2.8	159.0	SSE	0.0	-	-
07:00 PM - 08:00 PM	2.3	291.0	WNW	0.0	-	0.0	-	0.0	-	0.0	-	-	0.0	-	-	1.3	169.0	S	1.5	172.0	S
08:00 PM - 09:00 PM	0.2	-	-	0.7	124.0	SE	0.0	-	-	0.0	-	-	0.0	-	-	1.4	187.0	S	0.6	245.0	WSW
09:00 PM - 10:00 PM	1.2	206.0	SSW	1.9	269.0	W	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.6	242.0	WSW
10:00 PM - 11:00 PM	1.3	242.0	WSW	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
11:00 PM - 12:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
12:00 AM - 01:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.6	317.0	NW	0.0	-	-	0.9	180.0	S	0.0	-	-
01:00 AM - 02:00 AM	0.0	-	-	0.0	-	-	1.8	344.0	NNW	0.7	335.0	NNW	0.0	-	-	0.1	-	-	0.9	215.0	SW
02:00 AM - 03:00 AM	0.0	-	-	0.0	-	-	0.4	341.0	NNW	0.0	-	-	0.0	-	-	0.6	183.0	S	1.2	174.0	S
03:00 AM - 04:00 AM	0.4	2.0	N	0.0	-	-	1.0	333.0	NNW	0.0	-	-	0.0	-	-	1.0	178.0	S	2.3	206.0	SSW
04:00 AM - 05:00 AM	1.2	21.0	NNE	0.0	-	-	0.0	-	-	0.0	-	-	0.5	208.0	SSW	0.0	-	-	0.0	-	-
05:00 AM - 06:00 AM	0.6	333.0	NNW	0.0	-	-	1.6	345.0	NNW	0.0	-	-	0.0	-	-	0.6	179.0	S	0.0	-	-
06:00 AM - 07:00 AM	1.1	322.0	NW	0.0	-	-	0.7	315.0	NW	0.0	-	-	0.0	-	-	0.4	176.0	S	0.1	-	-
07:00 AM - 08:00 AM	0.4	311.0	NW	0.0	-	-	0.0	-	-	0.0	-	-	1.4	213.0	SSW	0.0	-	-	1.2	248.0	WSW
08:00 AM - 09:00 AM	0.6	299.0	WNW	1.0	309.0	NW	0.0	-	0.0	-	-	0.0	-	-	0.8	143.0	SE	0.4	250.0	WSW	

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 Jittrant  
Assistant General Manager

ADDRESS: 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE: +66 0 3304 8555 | FAX: +66 0 3304 8556  
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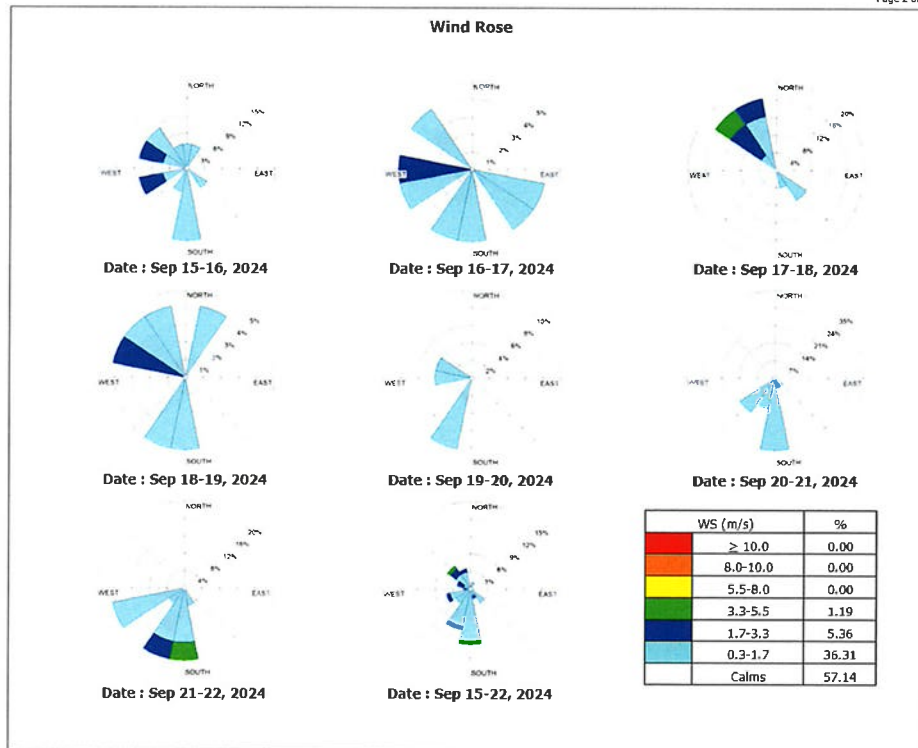
## Analysis / Test Report

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

Lot ID: 24105310  
Date Received :Sep 24, 2024  
Date Reported :Sep 28, 2024  
Report Number :3108218-1 C8

P/O :  
Project Name : Environmental Quality Monitoring  
Project Location : Map Ta Phut\_PS (SPCL)

Page 2 of 2



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Sarayuth Jittrant  
Assistant General Manager

ADDRESS: 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE: +66 0 3304 8555 | FAX: +66 0 3304 8556  
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## ภาคผนวก ค-3

---

ระดับเสียงโดยทั่วไป



## Analysis / Test Report



TESTING  
No.0042

Client : Siam Polystyrene Co., Ltd.

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

P/O : 4515755108

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 2485404

Date Received : Sep 04, 2024

Date Reported : Sep 09, 2024

Report Number: 3105742-1

Page 1 of 1

Sample Number 2485404-1  
Parameter Noise (Leq 24 hrs.)  
Location ชุมชนวัดโสมกู่ (GPS 47P 0735038, 1405843)  
Measurement Date Aug 26 - Aug 27, 2024  
Measurement by Apichart Wilars  
Sound Level meter Serial No. 472126

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	50.2	76.9	44.3
12:00 PM - 01:00 PM	50.0	67.1	45.5
01:00 PM - 02:00 PM	53.1	85.2	43.9
02:00 PM - 03:00 PM	49.8	68.5	43.9
03:00 PM - 04:00 PM	50.6	71.2	45.4
04:00 PM - 05:00 PM	52.4	70.7	48.3
05:00 PM - 06:00 PM	52.0	69.8	47.8
06:00 PM - 07:00 PM	51.8	72.9	47.3
07:00 PM - 08:00 PM	52.7	76.2	47.3
08:00 PM - 09:00 PM	51.5	76.2	45.1
09:00 PM - 10:00 PM	51.4	79.9	43.9
10:00 PM - 11:00 PM	50.9	81.8	42.7
11:00 PM - 12:00 AM	51.4	79.3	43.6
12:00 AM - 01:00 AM	47.3	73.9	41.2
01:00 AM - 02:00 AM	49.3	79.7	42.4
02:00 AM - 03:00 AM	47.5	72.1	41.8
03:00 AM - 04:00 AM	45.4	65.2	40.5
04:00 AM - 05:00 AM	47.5	65.1	42.6
05:00 AM - 06:00 AM	51.9	71.3	45.7
06:00 AM - 07:00 AM	59.2	88.3	48.4
07:00 AM - 08:00 AM	55.9	76.0	49.5
08:00 AM - 09:00 AM	50.6	68.8	45.9
09:00 AM - 10:00 AM	49.4	75.6	44.1
10:00 AM - 11:00 AM	50.0	80.6	44.0

Leq Average 24 hrs. (dB(A))

Lmax (dB(A))

L90 (dB(A))

Ldn (dB(A))

Standard (dB(A))

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak  
Chonticha Subongkoch  
Scientist (3)

Approved by

Supot S.  
Supot Salamteh  
Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556  
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S:\Reports\Air Noise.rpt ( 4:24PM)



## 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 : 4515755108

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 2485404

Date Received : Sep 04, 2024

Date Reported : Sep 09, 2024

Report Number: 3105743-1

Page 1 of 1

Sample Number 2485404-2  
Parameter Noise (Leq 24 hrs.)  
Location ชุมชนวัดโสมกู่ (GPS 47P 0735038, 1405843)  
Measurement Date Aug 27 - Aug 28, 2024  
Measurement by Apichart Wilars  
Sound Level meter Serial No. 472126

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	49.5	74.7	44.5
12:00 PM - 01:00 PM	50.7	71.4	45.7
01:00 PM - 02:00 PM	49.4	69.9	44.5
02:00 PM - 03:00 PM	49.2	73.6	43.6
03:00 PM - 04:00 PM	50.0	76.6	44.3
04:00 PM - 05:00 PM	51.5	75.9	47.4
05:00 PM - 06:00 PM	53.1	68.6	49.0
06:00 PM - 07:00 PM	55.3	85.6	49.3
07:00 PM - 08:00 PM	53.9	73.3	49.7
08:00 PM - 09:00 PM	53.9	71.4	48.7
09:00 PM - 10:00 PM	53.0	77.3	47.5
10:00 PM - 11:00 PM	50.1	73.5	44.7
11:00 PM - 12:00 AM	48.4	66.0	44.2
12:00 AM - 01:00 AM	50.3	77.3	45.0
01:00 AM - 02:00 AM	47.7	76.5	42.7
02:00 AM - 03:00 AM	47.9	73.1	43.1
03:00 AM - 04:00 AM	49.6	73.2	44.5
04:00 AM - 05:00 AM	51.3	76.7	45.3
05:00 AM - 06:00 AM	51.5	67.0	46.1
06:00 AM - 07:00 AM	58.4	79.0	48.7
07:00 AM - 08:00 AM	52.9	73.8	47.3
08:00 AM - 09:00 AM	51.3	71.0	45.2
09:00 AM - 10:00 AM	50.4	74.3	45.8
10:00 AM - 11:00 AM	50.2	73.2	45.1

Leq Average 24 hrs. (dB(A))

Lmax (dB(A))

L90 (dB(A))

Ldn (dB(A))

Standard (dB(A))

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak  
Chonticha Subongkoch  
Scientist (3)

Approved by

Supot S.  
Supot Salamteh  
Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556  
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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 : 4515755108

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 2485404

Date Received : Sep 04, 2024

Date Reported : Sep 09, 2024

Report Number: 3105744-1

Page 1 of 1

Sample Number 2485404-3  
Parameter Noise (Leq 24 hrs.)  
Location ชุมชนวัดโสมน (GPS 47P 0735038, 1405843)  
Measurement Date Aug 28 - Aug 29, 2024  
Measurement by Apichart Willars  
Sound Level meter Serial No. 472126

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	52.8	78.4	46.8
12:00 PM - 01:00 PM	51.6	69.1	47.4
01:00 PM - 02:00 PM	49.4	64.8	45.6
02:00 PM - 03:00 PM	51.2	78.2	45.5
03:00 PM - 04:00 PM	52.5	75.3	47.4
04:00 PM - 05:00 PM	54.9	78.9	50.3
05:00 PM - 06:00 PM	53.1	75.2	49.1
06:00 PM - 07:00 PM	53.2	75.1	48.6
07:00 PM - 08:00 PM	51.8	73.9	48.0
08:00 PM - 09:00 PM	51.6	74.4	47.0
09:00 PM - 10:00 PM	53.4	78.6	46.6
10:00 PM - 11:00 PM	49.6	69.2	45.6
11:00 PM - 12:00 AM	50.4	69.5	46.4
12:00 AM - 01:00 AM	48.8	70.5	44.7
01:00 AM - 02:00 AM	47.9	73.1	42.7
02:00 AM - 03:00 AM	49.8	78.7	41.2
03:00 AM - 04:00 AM	48.1	75.6	40.4
04:00 AM - 05:00 AM	47.7	76.1	41.7
05:00 AM - 06:00 AM	51.1	69.4	45.4
06:00 AM - 07:00 AM	55.5	77.1	48.4
07:00 AM - 08:00 AM	54.6	72.5	49.3
08:00 AM - 09:00 AM	60.0	77.7	53.8
09:00 AM - 10:00 AM	63.0	79.1	60.8
10:00 AM - 11:00 AM	59.7	70.6	58.4

Leq Average 24 hrs. (dB(A))

54.8

Lmax (dB(A))

79.1

L90 (dB(A))

46.8

Ldn (dB(A))

58.4

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556  
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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 : 4515755108

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 2485404

Date Received : Sep 04, 2024

Date Reported : Sep 09, 2024

Report Number: 3105745-1

Page 1 of 1

Sample Number 2485404-4  
Parameter Noise (Leq 24 hrs.)  
Location ชุมชนวัดโสมน (GPS 47P 0735038, 1405843)  
Measurement Date Aug 29 - Aug 30, 2024  
Measurement by Apichart Willars  
Sound Level meter Serial No. 472126

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	56.1	75.0	53.6
12:00 PM - 01:00 PM	55.9	83.6	52.7
01:00 PM - 02:00 PM	53.8	72.6	49.4
02:00 PM - 03:00 PM	54.1	80.3	48.4
03:00 PM - 04:00 PM	58.1	77.5	51.8
04:00 PM - 05:00 PM	54.8	72.3	52.0
05:00 PM - 06:00 PM	54.4	71.5	50.8
06:00 PM - 07:00 PM	53.6	80.4	49.1
07:00 PM - 08:00 PM	53.0	79.1	47.5
08:00 PM - 09:00 PM	53.0	85.1	47.7
09:00 PM - 10:00 PM	52.6	73.7	49.4
10:00 PM - 11:00 PM	52.9	75.6	49.6
11:00 PM - 12:00 AM	54.1	81.7	51.8
12:00 AM - 01:00 AM	51.9	81.3	47.7
01:00 AM - 02:00 AM	49.3	72.3	47.1
02:00 AM - 03:00 AM	52.0	77.2	49.0
03:00 AM - 04:00 AM	51.4	73.4	48.9
04:00 AM - 05:00 AM	51.3	68.1	48.6
05:00 AM - 06:00 AM	52.0	67.9	47.2
06:00 AM - 07:00 AM	56.1	87.6	48.4
07:00 AM - 08:00 AM	54.3	76.6	49.3
08:00 AM - 09:00 AM	53.0	72.2	48.3
09:00 AM - 10:00 AM	58.0	82.8	47.7
10:00 AM - 11:00 AM	50.8	72.5	45.7

Leq Average 24 hrs. (dB(A))

54.1

Lmax (dB(A))

87.6

L90 (dB(A))

48.9

Ldn (dB(A))

59.5

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556  
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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 : 4515755108

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 2485404

Date Received : Sep 04, 2024

Date Reported : Sep 09, 2024

Report Number: 3105746-1

Page 1 of 1

Sample Number 2485404-5  
Parameter Noise (Leq 24 hrs.)  
Location ชุมชนวัดโสมกู่ (GPS 47P 0735038, 1405843)  
Measurement Date Aug 30 - Aug 31, 2024  
Measurement by Apichart Wilars  
Sound Level meter Serial No. 472126

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	51.6	80.3	46.5
12:00 PM - 01:00 PM	52.7	73.8	47.6
01:00 PM - 02:00 PM	51.4	68.3	47.4
02:00 PM - 03:00 PM	52.3	71.8	48.2
03:00 PM - 04:00 PM	61.5	82.0	55.4
04:00 PM - 05:00 PM	54.1	76.4	49.5
05:00 PM - 06:00 PM	53.4	72.4	48.9
06:00 PM - 07:00 PM	53.4	78.7	48.3
07:00 PM - 08:00 PM	53.8	76.0	47.4
08:00 PM - 09:00 PM	53.0	75.0	47.0
09:00 PM - 10:00 PM	53.9	86.0	45.8
10:00 PM - 11:00 PM	52.9	83.9	46.9
11:00 PM - 12:00 AM	52.4	87.2	46.0
12:00 AM - 01:00 AM	49.9	74.9	44.3
01:00 AM - 02:00 AM	48.0	71.3	43.5
02:00 AM - 03:00 AM	48.0	73.0	43.0
03:00 AM - 04:00 AM	48.4	74.3	44.6
04:00 AM - 05:00 AM	50.6	68.3	46.7
05:00 AM - 06:00 AM	51.4	68.7	46.5
06:00 AM - 07:00 AM	57.3	87.2	48.9
07:00 AM - 08:00 AM	54.5	79.8	48.6
08:00 AM - 09:00 AM	53.2	71.2	47.3
09:00 AM - 10:00 AM	50.2	68.5	45.5
10:00 AM - 11:00 AM	50.6	71.1	45.9

Leq Average 24 hrs. (dB(A))

53.7

Lmax (dB(A))

87.2

L90 (dB(A))

46.9

Ldn (dB(A))

58.9

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak  
Chonticha Subongkoch  
Scientist (3)

Approved by

Supot Salamteh  
Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Phrakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556  
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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 : 4515755108

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 2485404

Date Received : Sep 04, 2024

Date Reported : Sep 09, 2024

Report Number: 3105747-1

Page 1 of 1

Sample Number 2485404-6  
Parameter Noise (Leq 24 hrs.)  
Location ชุมชนวัดโสมกู่ (GPS 47P 0735038, 1405843)  
Measurement Date Aug 31 - Sep 01, 2024  
Measurement by Apichart Wilars  
Sound Level meter Serial No. 472126

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	50.7	70.9	44.8
12:00 PM - 01:00 PM	51.6	75.3	45.0
01:00 PM - 02:00 PM	49.8	75.2	44.9
02:00 PM - 03:00 PM	50.5	73.3	45.7
03:00 PM - 04:00 PM	50.8	70.6	46.1
04:00 PM - 05:00 PM	51.7	74.6	47.0
05:00 PM - 06:00 PM	52.5	70.4	48.5
06:00 PM - 07:00 PM	54.9	74.0	50.3
07:00 PM - 08:00 PM	53.7	77.3	48.8
08:00 PM - 09:00 PM	52.7	78.7	47.6
09:00 PM - 10:00 PM	52.9	83.2	47.3
10:00 PM - 11:00 PM	53.0	84.4	47.1
11:00 PM - 12:00 AM	52.5	83.4	45.5
12:00 AM - 01:00 AM	54.7	87.7	44.8
01:00 AM - 02:00 AM	49.4	73.9	45.0
02:00 AM - 03:00 AM	49.6	82.1	45.0
03:00 AM - 04:00 AM	47.7	70.0	43.4
04:00 AM - 05:00 AM	48.8	72.4	44.2
05:00 AM - 06:00 AM	51.0	68.1	45.4
06:00 AM - 07:00 AM	54.6	77.4	47.6
07:00 AM - 08:00 AM	52.8	72.6	47.3
08:00 AM - 09:00 AM	50.3	69.4	45.7
09:00 AM - 10:00 AM	50.2	66.5	46.2
10:00 AM - 11:00 AM	51.8	83.1	46.2

Leq Average 24 hrs. (dB(A))

52.0

Lmax (dB(A))

87.7

L90 (dB(A))

45.7

Ldn (dB(A))

58.3

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak  
Chonticha Subongkoch  
Scientist (3)

Approved by

Supot Salamteh  
Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Phrakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556  
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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 : 4515755108

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 2485404

Date Received : Sep 04, 2024

Date Reported : Sep 09, 2024

Report Number: 3105748-1

Page 1 of 1

Sample Number 2485404-7  
Parameter Noise (Leq 24 hrs.)  
Location ชุมชนวัดโสมน (GPS 47P 0735038, 1405843)  
Measurement Date Sep 01 - Sep 02, 2024  
Measurement by Apichart Willars  
Sound Level meter Serial No. 472126

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	51.5	69.4	47.5
12:00 PM - 01:00 PM	51.5	77.5	46.8
01:00 PM - 02:00 PM	50.7	68.7	46.6
02:00 PM - 03:00 PM	49.5	67.5	44.9
03:00 PM - 04:00 PM	49.8	68.4	44.2
04:00 PM - 05:00 PM	51.0	68.4	45.7
05:00 PM - 06:00 PM	51.4	74.1	46.6
06:00 PM - 07:00 PM	52.1	76.9	47.4
07:00 PM - 08:00 PM	52.8	73.4	47.3
08:00 PM - 09:00 PM	51.9	77.4	46.3
09:00 PM - 10:00 PM	51.9	76.2	47.1
10:00 PM - 11:00 PM	52.4	77.9	46.0
11:00 PM - 12:00 AM	66.5	88.1	63.3
12:00 AM - 01:00 AM	68.7	87.0	64.6
01:00 AM - 02:00 AM	59.2	74.5	57.3
02:00 AM - 03:00 AM	54.7	72.5	53.1
03:00 AM - 04:00 AM	57.6	82.1	55.5
04:00 AM - 05:00 AM	57.7	74.2	56.6
05:00 AM - 06:00 AM	56.7	71.6	55.4
06:00 AM - 07:00 AM	57.8	75.5	53.7
07:00 AM - 08:00 AM	60.9	88.2	50.7
08:00 AM - 09:00 AM	57.5	78.9	48.4
09:00 AM - 10:00 AM	52.4	72.4	46.3
10:00 AM - 11:00 AM	53.2	78.9	46.1

Leq Average 24 hrs. (dB(A)) 59.0

Lmax (dB(A)) 88.2

L90 (dB(A)) 47.3

Ldn (dB(A)) 68.2

Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556  
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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 : 4515755108

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 2485404

Date Received : Sep 04, 2024

Date Reported : Sep 09, 2024

Report Number: 3105749-1

Page 1 of 1

Sample Number 2485404-8  
Parameter Noise (Leq 24 hrs.)  
Location บ้านฉางประจักษ์ (ชุมชนการสาธารณสุขตากวน) (GPS 47P 0735578, 1402792)  
Measurement Date Aug 26 - Aug 27, 2024  
Measurement by Apichart Willars  
Sound Level meter Serial No. 734223

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	53.3	74.1	51.0
12:00 PM - 01:00 PM	55.6	74.3	53.3
01:00 PM - 02:00 PM	58.8	67.1	57.7
02:00 PM - 03:00 PM	59.4	74.9	58.8
03:00 PM - 04:00 PM	56.3	70.2	55.5
04:00 PM - 05:00 PM	56.4	72.8	54.4
05:00 PM - 06:00 PM	55.7	68.8	53.6
06:00 PM - 07:00 PM	55.5	73.5	53.0
07:00 PM - 08:00 PM	54.2	69.9	51.8
08:00 PM - 09:00 PM	54.5	74.0	51.7
09:00 PM - 10:00 PM	51.7	70.4	49.3
10:00 PM - 11:00 PM	51.7	70.9	49.1
11:00 PM - 12:00 AM	52.5	79.5	48.9
12:00 AM - 01:00 AM	49.5	65.1	48.0
01:00 AM - 02:00 AM	48.8	71.3	47.3
02:00 AM - 03:00 AM	48.9	65.7	47.2
03:00 AM - 04:00 AM	48.4	60.9	47.1
04:00 AM - 05:00 AM	51.3	80.5	47.6
05:00 AM - 06:00 AM	51.5	74.5	48.9
06:00 AM - 07:00 AM	53.5	72.5	51.2
07:00 AM - 08:00 AM	55.0	73.9	51.3
08:00 AM - 09:00 AM	52.9	71.7	49.6
09:00 AM - 10:00 AM	52.4	71.8	49.7
10:00 AM - 11:00 AM	53.6	72.1	50.9

Leq Average 24 hrs. (dB(A)) 54.4

Lmax (dB(A)) 80.5

L90 (dB(A)) 50.9

Ldn (dB(A)) 58.5

Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556  
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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 : 4515755108

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 2485404

Date Received : Sep 04, 2024

Date Reported : Sep 09, 2024

Report Number: 3105750-1

Page 1 of 1

Sample Number 2485404-9  
Parameter Noise (Leq 24 hrs.)  
Location บ้านฉางประจักษ์ (ศูนย์บริการสาธารณสุขตากวน) (GPS 47P 0735578, 1402792)  
Measurement Date Aug 27 - Aug 28, 2024  
Measurement by Apichart Wilars  
Sound Level meter Serial No. 734223

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	53.9	74.6	50.8
12:00 PM - 01:00 PM	54.7	70.7	51.4
01:00 PM - 02:00 PM	54.5	75.6	51.0
02:00 PM - 03:00 PM	52.6	72.9	49.6
03:00 PM - 04:00 PM	51.8	73.3	49.2
04:00 PM - 05:00 PM	53.3	69.4	50.3
05:00 PM - 06:00 PM	54.1	69.5	50.9
06:00 PM - 07:00 PM	55.1	79.3	50.8
07:00 PM - 08:00 PM	53.9	81.9	49.8
08:00 PM - 09:00 PM	53.2	70.8	50.0
09:00 PM - 10:00 PM	52.5	73.4	49.2
10:00 PM - 11:00 PM	52.4	72.3	49.5
11:00 PM - 12:00 AM	51.8	66.1	49.3
12:00 AM - 01:00 AM	51.4	66.1	48.8
01:00 AM - 02:00 AM	50.4	72.6	47.8
02:00 AM - 03:00 AM	60.6	77.7	51.9
03:00 AM - 04:00 AM	54.9	67.2	52.8
04:00 AM - 05:00 AM	54.0	63.8	53.3
05:00 AM - 06:00 AM	54.8	65.4	53.9
06:00 AM - 07:00 AM	54.8	71.4	52.9
07:00 AM - 08:00 AM	55.3	74.7	51.6
08:00 AM - 09:00 AM	52.7	70.5	49.8
09:00 AM - 10:00 AM	55.9	77.5	51.2
10:00 AM - 11:00 AM	54.3	80.8	51.1

Leq Average 24 hrs. (dB(A)) 54.4  
Lmax (dB(A)) 81.9  
L90 (dB(A)) 50.8  
Ldn (dB(A)) 61.3  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak  
Chonticha Subongkoch  
Scientist (3)

Approved by

Supot Salamteh  
Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556  
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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 : 4515755108

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 2485404

Date Received : Sep 04, 2024

Date Reported : Sep 09, 2024

Report Number: 3105751-1

Page 1 of 1

Sample Number 2485404-10  
Parameter Noise (Leq 24 hrs.)  
Location บ้านฉางประจักษ์ (ศูนย์บริการสาธารณสุขตากวน) (GPS 47P 0735578, 1402792)  
Measurement Date Aug 28 - Aug 29, 2024  
Measurement by Apichart Wilars  
Sound Level meter Serial No. 734223

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	55.5	81.0	51.4
12:00 PM - 01:00 PM	54.3	67.0	51.7
01:00 PM - 02:00 PM	54.7	72.7	51.1
02:00 PM - 03:00 PM	53.5	70.7	50.8
03:00 PM - 04:00 PM	54.3	66.1	51.8
04:00 PM - 05:00 PM	56.1	75.6	53.2
05:00 PM - 06:00 PM	55.2	68.2	52.5
06:00 PM - 07:00 PM	55.5	75.5	52.6
07:00 PM - 08:00 PM	55.1	68.8	52.4
08:00 PM - 09:00 PM	54.1	68.2	51.2
09:00 PM - 10:00 PM	53.5	71.4	50.8
10:00 PM - 11:00 PM	52.4	66.7	49.6
11:00 PM - 12:00 AM	52.0	69.6	49.0
12:00 AM - 01:00 AM	50.9	71.3	47.5
01:00 AM - 02:00 AM	50.4	66.4	47.4
02:00 AM - 03:00 AM	48.4	67.1	46.8
03:00 AM - 04:00 AM	47.5	60.1	46.1
04:00 AM - 05:00 AM	49.1	63.6	47.2
05:00 AM - 06:00 AM	60.2	76.8	52.6
06:00 AM - 07:00 AM	54.5	74.9	51.8
07:00 AM - 08:00 AM	56.4	79.6	52.2
08:00 AM - 09:00 AM	62.0	84.0	55.7
09:00 AM - 10:00 AM	59.2	72.7	55.0
10:00 AM - 11:00 AM	70.0	81.4	67.1

Leq Average 24 hrs. (dB(A)) 58.8  
Lmax (dB(A)) 84.0  
L90 (dB(A)) 51.4  
Ldn (dB(A)) 61.9  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak  
Chonticha Subongkoch  
Scientist (3)

Approved by

Supot Salamteh  
Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556  
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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 : 4515755108

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 2485404

Date Received : Sep 04, 2024

Date Reported : Sep 09, 2024

Report Number: 3105752-1

Page 1 of 1

Sample Number 2485404-11  
Parameter Noise (Leq 24 hrs.)  
Location บ้านฉางประจักษ์ (ศูนย์บริการสาธารณสุขตากวน) (GPS 47P 0735578, 1402792)  
Measurement Date Aug 29 - Aug 30, 2024  
Measurement by Apichart Willars  
Sound Level meter Serial No. 734223

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	63.3	70.4	62.9
12:00 PM - 01:00 PM	61.5	73.0	60.3
01:00 PM - 02:00 PM	59.3	74.8	58.2
02:00 PM - 03:00 PM	56.6	73.4	55.2
03:00 PM - 04:00 PM	67.9	87.2	65.1
04:00 PM - 05:00 PM	65.0	82.9	64.3
05:00 PM - 06:00 PM	60.7	71.0	59.8
06:00 PM - 07:00 PM	57.9	72.7	56.9
07:00 PM - 08:00 PM	56.7	68.9	55.6
08:00 PM - 09:00 PM	55.7	69.6	54.3
09:00 PM - 10:00 PM	53.9	70.5	52.3
10:00 PM - 11:00 PM	53.8	69.3	52.3
11:00 PM - 12:00 AM	53.5	72.6	51.6
12:00 AM - 01:00 AM	54.7	72.0	51.8
01:00 AM - 02:00 AM	52.6	62.8	50.2
02:00 AM - 03:00 AM	52.3	71.8	49.2
03:00 AM - 04:00 AM	50.3	67.4	48.5
04:00 AM - 05:00 AM	49.4	67.2	47.9
05:00 AM - 06:00 AM	51.2	64.2	49.4
06:00 AM - 07:00 AM	54.9	72.8	52.4
07:00 AM - 08:00 AM	57.4	79.3	53.4
08:00 AM - 09:00 AM	54.9	69.3	52.1
09:00 AM - 10:00 AM	54.8	74.2	51.6
10:00 AM - 11:00 AM	55.0	67.5	51.7

Leq Average 24 hrs. (dB(A))

59.3

Lmax (dB(A))

87.2

L90 (dB(A))

52.3

Ldn (dB(A))

61.8

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak

Chonticha Subongkoch  
Scientist (3)

Approved by

Supot S

Supot Salamteh  
Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluaedaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556  
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S:\Reports\_Air Noise rpt ( 4.32PM)



## 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 : 4515755108

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 2485404

Date Received : Sep 04, 2024

Date Reported : Sep 09, 2024

Report Number: 3105753-1

Page 1 of 1

Sample Number 2485404-12  
Parameter Noise (Leq 24 hrs.)  
Location บ้านฉางประจักษ์ (ศูนย์บริการสาธารณสุขตากวน) (GPS 47P 0735578, 1402792)  
Measurement Date Aug 30 - Aug 31, 2024  
Measurement by Apichart Willars  
Sound Level meter Serial No. 734223

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	55.8	68.2	52.4
12:00 PM - 01:00 PM	55.9	76.9	51.9
01:00 PM - 02:00 PM	55.8	72.0	52.4
02:00 PM - 03:00 PM	60.7	82.8	55.8
03:00 PM - 04:00 PM	58.2	78.3	54.7
04:00 PM - 05:00 PM	55.5	72.4	52.7
05:00 PM - 06:00 PM	54.0	70.5	51.1
06:00 PM - 07:00 PM	54.2	73.3	50.6
07:00 PM - 08:00 PM	53.0	69.6	49.5
08:00 PM - 09:00 PM	53.5	77.4	49.2
09:00 PM - 10:00 PM	51.5	70.0	48.2
10:00 PM - 11:00 PM	51.7	78.5	48.3
11:00 PM - 12:00 AM	52.6	79.1	48.7
12:00 AM - 01:00 AM	49.4	69.2	47.3
01:00 AM - 02:00 AM	49.0	68.0	46.9
02:00 AM - 03:00 AM	49.7	64.6	47.7
03:00 AM - 04:00 AM	50.0	72.5	47.8
04:00 AM - 05:00 AM	49.8	67.7	47.7
05:00 AM - 06:00 AM	51.1	75.2	48.5
06:00 AM - 07:00 AM	54.3	75.7	50.7
07:00 AM - 08:00 AM	56.0	80.1	51.7
08:00 AM - 09:00 AM	52.0	67.8	50.0
09:00 AM - 10:00 AM	51.7	66.7	49.5
10:00 AM - 11:00 AM	51.8	67.1	49.6

Leq Average 24 hrs. (dB(A))

54.3

Lmax (dB(A))

82.8

L90 (dB(A))

49.5

Ldn (dB(A))

58.5

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluaedaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556  
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S:\Reports\_Air Noise rpt ( 4.33PM)



## Analysis / Test Report



TESTING  
No.0042

Client : Siam Polystyrene Co., Ltd.

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

P/O : 4515755108

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 2485404

Date Received : Sep 04, 2024

Date Reported : Sep 09, 2024

Report Number: 3105754-1

Page 1 of 1

Sample Number 2485404-13  
Parameter Noise (Leq 24 hrs.)  
Location บ้านฉางประจักษ์ (ศูนย์บริการสาธารณสุขตากวน) (GPS 47P 0735578, 1402792)  
Measurement Date Aug 31 - Sep 01, 2024  
Measurement by Apichart Willars  
Sound Level meter Serial No. 734223

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	52.5	71.5	49.0
12:00 PM - 01:00 PM	51.9	66.9	49.3
01:00 PM - 02:00 PM	53.8	78.1	49.8
02:00 PM - 03:00 PM	52.3	78.6	49.1
03:00 PM - 04:00 PM	53.5	80.4	49.3
04:00 PM - 05:00 PM	52.8	71.0	50.0
05:00 PM - 06:00 PM	54.6	80.1	50.7
06:00 PM - 07:00 PM	54.0	69.4	50.8
07:00 PM - 08:00 PM	54.6	79.8	49.5
08:00 PM - 09:00 PM	54.0	73.4	50.1
09:00 PM - 10:00 PM	50.7	67.4	48.3
10:00 PM - 11:00 PM	51.1	74.8	47.9
11:00 PM - 12:00 AM	49.5	68.5	47.0
12:00 AM - 01:00 AM	49.7	66.0	47.2
01:00 AM - 02:00 AM	50.9	70.7	48.6
02:00 AM - 03:00 AM	49.6	62.5	48.1
03:00 AM - 04:00 AM	50.3	69.3	47.9
04:00 AM - 05:00 AM	49.2	69.9	47.4
05:00 AM - 06:00 AM	50.1	61.6	48.3
06:00 AM - 07:00 AM	52.3	73.3	49.5
07:00 AM - 08:00 AM	53.0	72.2	49.5
08:00 AM - 09:00 AM	51.7	68.9	49.2
09:00 AM - 10:00 AM	51.6	63.7	49.5
10:00 AM - 11:00 AM	52.8	69.0	50.1

Leq Average 24 hrs. (dB(A))

52.2

Lmax (dB(A))

80.4

L90 (dB(A))

49.2

Ldn (dB(A))

57.3

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

Supt S

Supot Salamteh  
Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A, Pluakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556  
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S:\Reports\Air Noise rpt ( 4:33PM)



## Analysis / Test Report



TESTING  
No.0042

Client : Siam Polystyrene Co., Ltd.

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

P/O : 4515755108

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 2485404

Date Received : Sep 04, 2024

Date Reported : Sep 09, 2024

Report Number: 3105755-1

Page 1 of 1

Sample Number 2485404-14  
Parameter Noise (Leq 24 hrs.)  
Location บ้านฉางประจักษ์ (ศูนย์บริการสาธารณสุขตากวน) (GPS 47P 0735578, 1402792)  
Measurement Date Sep 01 - Sep 02, 2024  
Measurement by Apichart Willars  
Sound Level meter Serial No. 734223

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	52.5	72.5	49.4
12:00 PM - 01:00 PM	52.4	69.4	49.5
01:00 PM - 02:00 PM	51.8	68.3	48.7
02:00 PM - 03:00 PM	51.4	71.1	48.4
03:00 PM - 04:00 PM	51.7	76.6	47.5
04:00 PM - 05:00 PM	53.0	74.2	49.0
05:00 PM - 06:00 PM	52.6	71.7	49.1
06:00 PM - 07:00 PM	52.9	73.0	49.3
07:00 PM - 08:00 PM	52.4	69.3	48.4
08:00 PM - 09:00 PM	52.2	76.3	47.6
09:00 PM - 10:00 PM	55.4	71.5	52.9
10:00 PM - 11:00 PM	51.2	71.6	47.6
11:00 PM - 12:00 AM	52.4	71.1	49.3
12:00 AM - 01:00 AM	72.0	79.0	68.9
01:00 AM - 02:00 AM	65.8	78.3	64.2
02:00 AM - 03:00 AM	64.1	74.0	63.1
03:00 AM - 04:00 AM	64.4	74.2	63.5
04:00 AM - 05:00 AM	65.8	74.2	65.1
05:00 AM - 06:00 AM	66.1	72.4	65.3
06:00 AM - 07:00 AM	62.8	77.1	60.6
07:00 AM - 08:00 AM	59.4	78.7	56.9
08:00 AM - 09:00 AM	56.8	69.8	55.3
09:00 AM - 10:00 AM	55.4	77.0	53.7
10:00 AM - 11:00 AM	54.0	66.3	52.4

Leq Average 24 hrs. (dB(A))

62.1

Lmax (dB(A))

79.0

L90 (dB(A))

49.5

Ldn (dB(A))

71.7

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

Supt S

Supot Salamteh  
Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A, Pluakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556  
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S:\Reports\Air Noise rpt ( 4:33PM)



## Analysis / Test Report



TESTING  
No.0042

Client : Siam Polystyrene Co., Ltd.

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

P/O : 4515755108

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 2485404

Date Received : Sep 04, 2024

Date Reported : Sep 09, 2024

Report Number: 3105756-1

Page 1 of 1

Sample Number 2485404-15  
Parameter Noise (Leq 24 hrs.)  
Location รันรัวโครงการด้านทิศใต้ (GPS 47P 0733727, 1404233)  
Measurement Date Aug 26 - Aug 27, 2024  
Measurement by Apichart Willars  
Sound Level meter Serial No. 734225

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	65.8	84.5	62.1
12:00 PM - 01:00 PM	62.1	70.8	61.7
01:00 PM - 02:00 PM	62.7	69.5	62.3
02:00 PM - 03:00 PM	62.5	75.0	62.0
03:00 PM - 04:00 PM	61.9	68.1	61.5
04:00 PM - 05:00 PM	62.1	71.3	61.7
05:00 PM - 06:00 PM	62.6	69.9	62.1
06:00 PM - 07:00 PM	63.8	73.0	63.2
07:00 PM - 08:00 PM	63.9	78.1	63.5
08:00 PM - 09:00 PM	63.8	68.4	63.3
09:00 PM - 10:00 PM	63.2	74.6	62.7
10:00 PM - 11:00 PM	63.0	69.4	62.6
11:00 PM - 12:00 AM	62.8	66.1	62.4
12:00 AM - 01:00 AM	62.5	65.0	62.1
01:00 AM - 02:00 AM	62.7	72.3	62.4
02:00 AM - 03:00 AM	63.0	64.8	62.7
03:00 AM - 04:00 AM	63.1	64.8	62.8
04:00 AM - 05:00 AM	63.0	64.8	62.6
05:00 AM - 06:00 AM	63.1	67.9	62.7
06:00 AM - 07:00 AM	63.0	75.5	62.6
07:00 AM - 08:00 AM	62.3	68.1	61.9
08:00 AM - 09:00 AM	62.4	67.1	62.1
09:00 AM - 10:00 AM	73.3	87.0	68.4
10:00 AM - 11:00 AM	77.1	98.6	64.3

Leq Average 24 hrs. (dB(A))

66.9

Lmax (dB(A))

98.6

L90 (dB(A))

62.4

Ldn (dB(A))

70.6

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

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

Technical Management

Chontichak

Chonticha Subongkoch  
Scientist (3)

Approved by

Supot S

Supot Salamteh  
Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556  
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S:\Reports\_Air Noise rpt ( 4:33PM)



## Analysis / Test Report



TESTING  
No.0042

Client : Siam Polystyrene Co., Ltd.

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

P/O : 4515755108

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 2485404

Date Received : Sep 04, 2024

Date Reported : Sep 09, 2024

Report Number: 3105757-1

Page 1 of 1

Sample Number 2485404-16  
Parameter Noise (Leq 24 hrs.)  
Location รันรัวโครงการด้านทิศใต้ (GPS 47P 0733727, 1404233)  
Measurement Date Aug 27 - Aug 28, 2024  
Measurement by Apichart Willars  
Sound Level meter Serial No. 734225

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	63.6	73.7	62.9
12:00 PM - 01:00 PM	62.7	67.1	62.2
01:00 PM - 02:00 PM	63.2	77.0	62.5
02:00 PM - 03:00 PM	64.3	79.9	62.3
03:00 PM - 04:00 PM	63.0	83.5	62.2
04:00 PM - 05:00 PM	63.1	76.6	62.5
05:00 PM - 06:00 PM	63.7	71.9	63.1
06:00 PM - 07:00 PM	64.0	71.0	63.4
07:00 PM - 08:00 PM	63.9	68.1	63.4
08:00 PM - 09:00 PM	63.9	74.9	63.2
09:00 PM - 10:00 PM	63.8	71.0	63.2
10:00 PM - 11:00 PM	63.8	69.0	63.2
11:00 PM - 12:00 AM	63.7	68.0	63.1
12:00 AM - 01:00 AM	63.7	69.2	63.1
01:00 AM - 02:00 AM	64.1	73.1	63.4
02:00 AM - 03:00 AM	65.3	92.2	64.0
03:00 AM - 04:00 AM	65.6	74.6	64.2
04:00 AM - 05:00 AM	64.2	69.9	63.4
05:00 AM - 06:00 AM	63.7	77.0	63.3
06:00 AM - 07:00 AM	63.4	70.8	63.1
07:00 AM - 08:00 AM	63.2	70.6	62.8
08:00 AM - 09:00 AM	63.5	87.8	62.4
09:00 AM - 10:00 AM	64.3	87.6	63.3
10:00 AM - 11:00 AM	63.8	69.0	62.9

Leq Average 24 hrs. (dB(A))

63.9

Lmax (dB(A))

92.2

L90 (dB(A))

63.1

Ldn (dB(A))

70.6

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

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

Technical Management

Chontichak

Chonticha Subongkoch  
Scientist (3)

Approved by

Supot S

Supot Salamteh  
Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556  
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S:\Reports\_Air Noise rpt ( 4:34PM)





## Analysis / Test Report



TESTING  
No.0042

Client : Siam Polystyrene Co., Ltd.

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

P/O : 4515755108

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 2485404

Date Received : Sep 04, 2024

Date Reported : Sep 09, 2024

Report Number: 3105758-1

Page 1 of 1

Sample Number 2485404-17  
Parameter Noise (Leq 24 hrs.)  
Location โรงงานด้านทิศใต้ (GPS 47P 0733727, 1404233)  
Measurement Date Aug 28 - Aug 29, 2024  
Measurement by Apichart Wilars  
Sound Level meter Serial No. 734225

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	64.2	72.9	63.1
12:00 PM - 01:00 PM	64.2	74.1	63.3
01:00 PM - 02:00 PM	64.5	71.6	63.6
02:00 PM - 03:00 PM	64.4	74.6	63.6
03:00 PM - 04:00 PM	65.5	71.7	64.4
04:00 PM - 05:00 PM	65.4	72.5	64.3
05:00 PM - 06:00 PM	65.2	71.3	64.3
06:00 PM - 07:00 PM	65.4	72.7	64.5
07:00 PM - 08:00 PM	65.0	70.6	64.0
08:00 PM - 09:00 PM	64.9	71.5	63.9
09:00 PM - 10:00 PM	64.9	71.8	63.8
10:00 PM - 11:00 PM	63.1	68.1	62.6
11:00 PM - 12:00 AM	63.3	68.3	62.8
12:00 AM - 01:00 AM	63.2	67.7	62.8
01:00 AM - 02:00 AM	63.4	69.6	62.9
02:00 AM - 03:00 AM	63.0	66.5	62.6
03:00 AM - 04:00 AM	63.2	66.9	62.6
04:00 AM - 05:00 AM	63.0	67.0	62.3
05:00 AM - 06:00 AM	63.0	70.0	62.4
06:00 AM - 07:00 AM	63.2	67.9	62.7
07:00 AM - 08:00 AM	63.3	78.8	62.7
08:00 AM - 09:00 AM	63.6	77.4	62.6
09:00 AM - 10:00 AM	63.6	71.9	63.0
10:00 AM - 11:00 AM	65.1	76.4	64.4

Leq Average 24 hrs. (dB(A))

64.2

Lmax (dB(A))

78.8

L90 (dB(A))

63.0

Ldn (dB(A))

69.8

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak

Chonticha Subongkoch  
Scientist (3)

Approved by

Supot S

Supot Salamteh  
Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556  
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S:\Reports\_Air Noise.rpt ( 4:34PM)



## Analysis / Test Report



TESTING  
No.0042

Client : Siam Polystyrene Co., Ltd.

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

P/O : 4515755108

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 2485404

Date Received : Sep 04, 2024

Date Reported : Sep 09, 2024

Report Number: 3105759-1

Page 1 of 1

Sample Number 2485404-18  
Parameter Noise (Leq 24 hrs.)  
Location โรงงานด้านทิศใต้ (GPS 47P 0733727, 1404233)  
Measurement Date Aug 29 - Aug 30, 2024  
Measurement by Apichart Wilars  
Sound Level meter Serial No. 734225

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	64.4	73.6	63.9
12:00 PM - 01:00 PM	64.4	74.1	63.9
01:00 PM - 02:00 PM	64.6	72.0	64.0
02:00 PM - 03:00 PM	64.2	76.2	63.5
03:00 PM - 04:00 PM	65.4	81.7	64.0
04:00 PM - 05:00 PM	65.0	76.9	64.4
05:00 PM - 06:00 PM	64.6	73.8	64.0
06:00 PM - 07:00 PM	64.1	79.9	63.5
07:00 PM - 08:00 PM	63.6	66.9	63.2
08:00 PM - 09:00 PM	63.5	71.9	63.1
09:00 PM - 10:00 PM	63.7	68.4	63.3
10:00 PM - 11:00 PM	63.9	69.3	63.4
11:00 PM - 12:00 AM	63.8	67.1	63.5
12:00 AM - 01:00 AM	64.0	68.8	63.5
01:00 AM - 02:00 AM	64.2	66.3	63.7
02:00 AM - 03:00 AM	64.0	66.3	63.5
03:00 AM - 04:00 AM	63.6	65.8	63.2
04:00 AM - 05:00 AM	63.4	65.8	63.0
05:00 AM - 06:00 AM	63.4	68.1	63.0
06:00 AM - 07:00 AM	63.5	73.3	63.0
07:00 AM - 08:00 AM	63.8	72.5	63.1
08:00 AM - 09:00 AM	62.9	71.9	62.4
09:00 AM - 10:00 AM	63.1	91.8	62.4
10:00 AM - 11:00 AM	62.9	80.4	62.0

Leq Average 24 hrs. (dB(A))

64.0

Lmax (dB(A))

91.8

L90 (dB(A))

63.4

Ldn (dB(A))

70.2

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

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 : 4515755108

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 2485404

Date Received : Sep 04, 2024

Date Reported : Sep 09, 2024

Report Number: 3105760-1

Page 1 of 1

Sample Number 2485404-19  
Parameter Noise (Leq 24 hrs.)  
Location ครัวโรงการด้านทิศใต้ (GPS 47P 0733727, 1404233)  
Measurement Date Aug 30 - Aug 31, 2024  
Measurement by Apichart Willars  
Sound Level meter Serial No. 734225

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	62.3	71.6	61.7
12:00 PM - 01:00 PM	62.4	70.4	61.7
01:00 PM - 02:00 PM	62.3	75.4	61.7
02:00 PM - 03:00 PM	63.0	73.9	62.3
03:00 PM - 04:00 PM	65.1	85.7	62.7
04:00 PM - 05:00 PM	63.5	70.9	62.9
05:00 PM - 06:00 PM	63.3	72.6	62.8
06:00 PM - 07:00 PM	63.1	73.4	62.5
07:00 PM - 08:00 PM	63.0	66.4	62.5
08:00 PM - 09:00 PM	63.0	72.7	62.5
09:00 PM - 10:00 PM	62.8	68.0	62.3
10:00 PM - 11:00 PM	63.0	69.8	62.5
11:00 PM - 12:00 AM	63.0	65.9	62.6
12:00 AM - 01:00 AM	63.0	67.5	62.5
01:00 AM - 02:00 AM	63.0	68.4	62.6
02:00 AM - 03:00 AM	63.5	71.3	62.5
03:00 AM - 04:00 AM	64.7	70.6	62.8
04:00 AM - 05:00 AM	63.2	70.3	62.4
05:00 AM - 06:00 AM	62.9	74.9	62.4
06:00 AM - 07:00 AM	63.2	70.2	62.7
07:00 AM - 08:00 AM	63.3	70.5	62.8
08:00 AM - 09:00 AM	62.9	71.2	62.2
09:00 AM - 10:00 AM	62.5	69.4	62.0
10:00 AM - 11:00 AM	62.6	69.3	62.0

Leq Average 24 hrs. (dB(A))

63.2

Lmax (dB(A))

85.7

L90 (dB(A))

62.5

Ldn (dB(A))

69.7

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

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

Technical Management

Chontichak

Chonticha Subongkoch  
Scientist (3)

Approved by

Supt S

Supot Salamteh  
Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556  
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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 : 4515755108

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 2485404

Date Received : Sep 04, 2024

Date Reported : Sep 09, 2024

Report Number: 3105761-1

Page 1 of 1

Sample Number 2485404-20  
Parameter Noise (Leq 24 hrs.)  
Location ครัวโรงการด้านทิศใต้ (GPS 47P 0733727, 1404233)  
Measurement Date Aug 31 - Sep 01, 2024  
Measurement by Apichart Willars  
Sound Level meter Serial No. 734225

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	62.1	68.6	61.5
12:00 PM - 01:00 PM	62.8	78.5	62.1
01:00 PM - 02:00 PM	62.6	80.6	61.8
02:00 PM - 03:00 PM	62.9	72.9	62.1
03:00 PM - 04:00 PM	62.8	72.6	62.1
04:00 PM - 05:00 PM	62.8	68.6	62.1
05:00 PM - 06:00 PM	63.5	73.7	62.6
06:00 PM - 07:00 PM	63.2	74.9	62.5
07:00 PM - 08:00 PM	62.7	69.8	62.3
08:00 PM - 09:00 PM	62.8	67.1	62.3
09:00 PM - 10:00 PM	62.7	65.5	62.3
10:00 PM - 11:00 PM	62.7	73.4	62.3
11:00 PM - 12:00 AM	62.4	65.9	62.0
12:00 AM - 01:00 AM	62.6	67.5	62.1
01:00 AM - 02:00 AM	62.8	72.3	62.2
02:00 AM - 03:00 AM	63.0	69.7	62.4
03:00 AM - 04:00 AM	63.7	72.8	62.5
04:00 AM - 05:00 AM	64.8	71.7	62.8
05:00 AM - 06:00 AM	64.2	73.0	62.6
06:00 AM - 07:00 AM	63.3	72.7	62.6
07:00 AM - 08:00 AM	62.6	67.2	62.0
08:00 AM - 09:00 AM	62.3	68.1	61.6
09:00 AM - 10:00 AM	62.2	72.1	61.7
10:00 AM - 11:00 AM	62.0	71.4	61.5

Leq Average 24 hrs. (dB(A))

62.9

Lmax (dB(A))

80.6

L90 (dB(A))

62.1

Ldn (dB(A))

69.7

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

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

Technical Management

Chontichak

Chonticha Subongkoch  
Scientist (3)

Approved by

Supt S

Supot Salamteh  
Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556  
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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 : 4515755108

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 2485404

Date Received : Sep 04, 2024

Date Reported : Sep 09, 2024

Report Number: 3105762-1

Page 1 of 1

Sample Number 2485404-21  
Parameter Noise (Leq 24 hrs.)  
Location ชิมจิโรงการด้านทิศใต้ (GPS 47P 0733727, 1404233)  
Measurement Date Sep 01 - Sep 02, 2024  
Measurement by Apichart Willars  
Sound Level meter Serial No. 734225

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	61.9	70.2	61.4
12:00 PM - 01:00 PM	61.7	69.5	61.2
01:00 PM - 02:00 PM	61.7	72.7	61.2
02:00 PM - 03:00 PM	61.9	70.8	61.1
03:00 PM - 04:00 PM	61.7	70.7	61.1
04:00 PM - 05:00 PM	62.0	74.9	61.4
05:00 PM - 06:00 PM	62.0	70.1	61.6
06:00 PM - 07:00 PM	62.3	75.1	61.8
07:00 PM - 08:00 PM	62.3	67.7	61.9
08:00 PM - 09:00 PM	62.3	66.5	61.9
09:00 PM - 10:00 PM	62.2	66.6	61.8
10:00 PM - 11:00 PM	62.3	67.7	61.9
11:00 PM - 12:00 AM	63.7	87.1	62.6
12:00 AM - 01:00 AM	65.3	82.5	64.2
01:00 AM - 02:00 AM	65.4	73.9	64.8
02:00 AM - 03:00 AM	65.0	74.4	64.3
03:00 AM - 04:00 AM	64.9	78.2	64.3
04:00 AM - 05:00 AM	65.5	80.3	65.0
05:00 AM - 06:00 AM	64.8	82.5	64.3
06:00 AM - 07:00 AM	64.4	72.0	64.0
07:00 AM - 08:00 AM	64.2	70.4	63.8
08:00 AM - 09:00 AM	63.7	67.8	63.3
09:00 AM - 10:00 AM	63.3	70.3	62.9
10:00 AM - 11:00 AM	62.9	74.9	62.4

Leq Average 24 hrs. (dB(A)) 63.4  
Lmax (dB(A)) 87.1  
L90 (dB(A)) 61.9  
Ldn (dB(A)) 70.8  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556  
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# ภาคผนวก ค-4

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คุณภาพน้ำทิ้ง





## Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

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

P/O : 4515755108

Project Name : Water Testing

Project Location : Map Ta Phut\_PS (SPCL)



TESTING

No.0042

Lot ID: 2472276

Date Received : Jul 03, 2024

Date Reported : Jul 11, 2024

Report Number : 3034009-1

Page 1 of 2

Sample Number	2472276-1
Sampled Date	Jul 03, 2024 9:40 AM
Sample Description	Wastewater
Location	ES-1890
Date Analysis Commenced	Jul 03, 2024
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, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	35	≤120	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	10	≤300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	8	≤300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C		-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	32.3	≤40	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	520	≤3000	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	9	≤50	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Technical Management

**Photchana S.**

Photchana Seeda

Scientist (4)

โทรศัพท์มือถือ 3-323-9-9446

Approved by

**D. Chumon**

Dej Changchon

Senior Manager

โทรศัพท์มือถือ 3-323-9-9442

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## Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

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

P/O : 4515755108

Project Name : Water Testing

Project Location : Map Ta Phut\_PS (SPCL)



TESTING

No.0042

Lot ID: 2472276

Date Received : Jul 03, 2024

Date Reported : Jul 11, 2024

Report Number : 3034009-1

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 :** Chainusorn Lertnathakunchai โทรศัพท์มือถือ 3-323-9-9461, Pattarapol Sawangjaitam โทรศัพท์มือถือ 3-204-9-0002

Remark :

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

Technical Management

**Photchana S.**

Photchana Seeda

Scientist (4)

โทรศัพท์มือถือ 3-323-9-9446

Approved by

**D. Chumon**

Dej Changchon

Senior Manager

โทรศัพท์มือถือ 3-323-9-9442

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## Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.  
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150  
P/O : 4515755108  
Project Name : Water Testing  
Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 2472276  
Date Received : Jul 03, 2024  
Date Reported : Jul 11, 2024  
Report Number : 3034009-2

Page 1 of 1

Sample Number 2472276-1  
Sampled Date Jul 03, 2024 9:40 AM  
Sample Description Wastewater  
Location ES-1890  
Date Analysis Commenced Jul 08, 2024  
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	11.5	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

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

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

Client : Siam Polystyrene Co., Ltd.  
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150  
P/O : 4515755108  
Project Name : Water Testing  
Project Location : Map Ta Phut\_PS (SPCL)



TESTING  
No.0042

Lot ID: 2485356  
Date Received : Aug 07, 2024  
Date Reported : Aug 16, 2024  
Report Number : 3064964-1

Page 1 of 2

Sample Number 2485356-1  
Sampled Date Aug 07, 2024 9:35 AM  
Sample Description Wastewater  
Location ES-1890  
Date Analysis Commenced Aug 07, 2024  
Condition of Sample Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	46	≤120	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	9	≤300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	9	≤300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	31.5	≤40	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	396	≤3000	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	14	≤50	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Technical Management

Photchana S.  
Photchana Seeda  
Scientist (4)  
ทะเบียนเลขที่ 7-323-9-9446

Approved by

Dej Changchon  
Senior Manager  
ทะเบียนเลขที่ 7-323-9-9442

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## Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.  
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150  
P/O : 4515755108  
Project Name : Water Testing  
Project Location: Map Ta Phut\_PS (SPCL)



TESTING  
No.0042  
Lot ID: 2485356  
Date Received : Aug 07, 2024  
Date Reported : Aug 16, 2024  
Report Number : 3064964-1

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** : Sansoen Khuiyoksui ทะเบียนเลขที่ ร-323-จ-0005 , Thanasoun Namakunna ทะเบียนเลขที่ ร-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.  
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Photchana S.

Photchana Seeda  
Scientist (4)  
ทะเบียนเลขที่ ร-323-จ-9446

Approved by

D. Changchon

Dej Changchon  
Senior Manager  
ทะเบียนเลขที่ ร-323-ก-9442

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## Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.  
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150  
P/O : 4515755108  
Project Name : Water Testing  
Project Location: Map Ta Phut\_PS (SPCL)

Lot ID: 2485356  
Date Received : Aug 07, 2024  
Date Reported : Aug 16, 2024  
Report Number : 3064964-2

Page 1 of 1

Sample Number 2485356-1  
Sampled Date Aug 07, 2024 9:35 AM  
Sample Description Wastewater  
Location ES-1890  
Date Analysis Commenced Aug 08, 2024  
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	11.9	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

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

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

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Approved by

Siriluk P.

Siriluk Bunnak  
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 : 4515755108  
Project Name : Water Testing  
Project Location : Map Ta Phut\_PS (SPCL)



TESTING  
No.0042  
Lot ID: 2494442  
Date Received : Sep 04, 2024  
Date Reported : Sep 12, 2024  
Report Number : 3084866-1

Page 1 of 2

Sample Number	2494442-1						
Sampled Date	Sep 04, 2024 10:05 AM						
Sample Description	Wastewater						
Location	ES-1890						
Date Analysis Commenced	Sep 04, 2024						
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, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	5	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	5	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C		-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.8	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Drled at 180 degree C	mg/L	-	5	160	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Technical Management

**Photchana S.**

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ร-323-ก-0028

Approved by

**D. Changchon**

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ร-323-ก-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 : 4515755108  
Project Name : Water Testing  
Project Location : Map Ta Phut\_PS (SPCL)



TESTING  
No.0042  
Lot ID: 2494442  
Date Received : Sep 04, 2024  
Date Reported : Sep 12, 2024  
Report Number : 3084866-1

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 2494442) is 16.2 mg/L

Sampling By : Wanlop Hunchanaoow ทะเบียนเลขที่ ร-323-ก-0038 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ร-204-ก-0002

Remark :

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

Technical Management

**Photchana S.**

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ร-323-ก-0028

Approved by

**D. Changchon**

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ร-323-ก-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 : 4515755108

Project Name : Water Testing

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 2494442

Date Received : Sep 04, 2024

Date Reported : Sep 12, 2024

Report Number : 3084866-2

Page 1 of 1

Sample Number	2494442-1						
Sampled Date	Sep 04, 2024 10:05 AM						
Sample Description	Wastewater						
Location	ES-1890						
Date Analysis Commenced	Sep 05, 2024						
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
<b>Water Testing</b>							
Total Organic Carbon	mg/L	0.01	0.1	3.71	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

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

Note : Raw data of COD value (Refer to Lot ID 2494442) is 16.2 mg/L

Sampling By : Wanlop Hunchalao , Pattarapol Sawangjaitam

Remark :

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Approved by

Siriluk P.

Siriluk Bunnak  
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 : 4515755108

Project Name : Water Testing

Project Location : Map Ta Phut\_PS (SPCL)



TESTING

No.0042

Lot ID: 24105044

Date Received : Oct 02, 2024

Date Reported : Oct 10, 2024

Report Number : 3107763-1

Page 1 of 2

Sample Number	24105044-1						
Sampled Date	Oct 02, 2024 10:40 AM						
Sample Description	Wastewater						
Location	ES-1890						
Date Analysis Commenced	Oct 02, 2024						
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
<b>Water Testing</b>							
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	35	≤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	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		-	-	8.0	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	-	-	32.6	≤40	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	468	≤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	7	≤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)  
โทรศัพท์ 7-323-4-0028

Approved by

D. Chanchon

Dej Chanchon  
Senior Manager  
โทรศัพท์ 7-323-4-0001

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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 : 4515755108

Project Name : Water Testing

Project Location : Map Ta Phut\_PS (SPCL)



TESTING  
No.0042

Lot ID: 24105044

Date Received : Oct 02, 2024

Date Reported : Oct 10, 2024

Report Number : 3107763-1

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** : Sansoen Khuiyoksul ทะเบียนเลขที่ ๖-323-๖-0005 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ๖-204-๖-0002

Remark :

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

Technical Management

**Photchana S.**

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ๖-323-๖-0028

Approved by

**D. Changchon**

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ๖-323-๖-0001

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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 : 4515755108

Project Name : Water Testing

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 24105044

Date Received : Oct 02, 2024

Date Reported : Oct 08, 2024

Report Number : 3107763-2

Page 1 of 1

Sample Number	24105044-1
Sampled Date	Oct 02, 2024 10:40 AM
Sample Description	Wastewater
Location	ES-1890
Date Analysis Commenced	Oct 04, 2024
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
<b>Water Testing</b>							
Total Organic Carbon	mg/L	0.01	0.1	11.0	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** : Sansoen Khuiyoksul ทะเบียนเลขที่ ๖-323-๖-0005 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ๖-204-๖-0002

Remark :

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

Technical Management

**Narin Saiseng**

Narin Saiseng

Supervisor

ทะเบียนเลขที่ ๖-204-๖-0009

Approved by

**Kanokkorn Anek**

Kanokkorn Anek

Assistant General Manager

ทะเบียนเลขที่ ๖-204-๖-0004

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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 : 4515755108

Project Name : Water Testing

Project Location: Map Ta Phut\_PS (SPCL)



TESTING

No.0042

Lot ID: 24122396

Date Received : Nov 06, 2024

Date Reported : Nov 14, 2024

Report Number : 3147239-1

Page 1 of 2

Sample Number	24122396-1						
Sampled Date	Nov 06, 2024 9:35 AM						
Sample Description	Wastewater						
Location	ES-1890						
Date Analysis Commenced	Nov 06, 2024						
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	39	≤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	5	≤300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	5	≤300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.8	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	-	-	30.5	≤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	432	≤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 ๖-323-๖-0028

Approved by

D. Changchon

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ๖-323-๖-0001

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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 : 4515755108

Project Name : Water Testing

Project Location: Map Ta Phut\_PS (SPCL)



TESTING

No.0042

Lot ID: 24122396

Date Received : Nov 06, 2024

Date Reported : Nov 14, 2024

Report Number : 3147239-1

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 : Chainusorn Lertnathakunchai ทะเบียนเลขที่ ๖-323-๖-0041, Pattarapol Sawangjaitam ทะเบียนเลขที่ ๖-204-๖-0002

Remark :

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

Technical Management

Photchana S.

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ๖-323-๖-0028

Approved by

D. Changchon

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ๖-323-๖-0001

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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 : 4515755108  
Project Name : Water Testing  
Project Location: Map Ta Phut\_PS (SPCL)

Lot ID: 24122396  
Date Received : Nov 06, 2024  
Date Reported : Nov 14, 2024  
Report Number : 3147239-2

Page 1 of 1

Sample Number	24122396-1						
Sampled Date	Nov 06, 2024 9:35 AM						
Sample Description	Wastewater						
Location	ES-1890						
Date Analysis Commenced	Nov 08, 2024						
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
<b>Water Testing</b>							
Total Organic Carbon	mg/L	0.01	0.1	8.23	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 :** Chalusorn Lertnanthakunchai , Pattarapol Sawangjaiam

**Remark :**

- LOD : Limit of Detection
- "c" : 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

Client : Siam Polystyrene Co., Ltd.  
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150  
P/O : 4515755108  
Project Name : Water Testing  
Project Location: Map Ta Phut\_PS (SPCL)



TESTING

No.0042

Lot ID: 24133804

Date Received : Dec 04, 2024

Date Reported : Dec 13, 2024

Report Number : 3176053-1

Page 1 of 2

Sample Number	24133804-1						
Sampled Date	Dec 04, 2024 9:32 AM						
Sample Description	Wastewater						
Location	ES-1890						
Date Analysis Commenced	Dec 04, 2024						
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
<b>Water Testing</b>							
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	58	≤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		-	-	7.8	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	-	-	30.1	≤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	972	≤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	12	≤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 (1)

ทะเบียนเลขที่ 3-323-3-002B

Approved by

*D. Chanchon*

Dej Chanchon  
Senior Manager

ทะเบียนเลขที่ 3-323-3-0001

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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 : 4515755108

Project Name : Water Testing

Project Location: Map Ta Phut\_PS (SPCL)



TESTING

No.0042

Lot ID: 24133804

Date Received : Dec 04, 2024

Date Reported : Dec 13, 2024

Report Number : 3176053-1

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 ๖-323-๖-0011 , Thanasoun Namakunna ทะเบียนเลขที่ ๖-204-๖-0101

Remark :

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

Technical Management

**Photchana S.**

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ๖-323-๖-0028

Approved by

**Dej Changchon**

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ๖-323-๖-0001

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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 : 4515755108

Project Name : Water Testing

Project Location: Map Ta Phut\_PS (SPCL)

Lot ID: 24133804

Date Received : Dec 04, 2024

Date Reported : Dec 13, 2024

Report Number : 3176053-2

Page 1 of 1

Sample Number	24133804-1						
Sampled Date	Dec 04, 2024 9:32 AM						
Sample Description	Wastewater						
Location	ES-1890						
Date Analysis Commenced	Dec 06, 2024						
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	16.9	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)

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Approved by

**Siriluk P.**

Siriluk Bunnak

Section Head

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## Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.

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

P/O : 4515493615

Project Name : Water Testing

Project Location : Map Ta Phut\_Latex (SSLC)



TESTING

No.0042

Lot ID: 2472194

Date Received : Jul 03, 2024

Date Reported : Jul 11, 2024

Report Number : 3033956-1

Page 1 of 2

Sample Number	2472194-1
Sampled Date	Jul 03, 2024 9:25 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Jul 03, 2024
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	17.9	≤20	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	41	≤120	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	35	≤300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	34	≤300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C		-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	31.9	≤40	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	340	≤3000	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	20.4	≤100	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong

Technical Management

Photchana S.

Photchana Seeda

Scientist (4)

โทรศัพท์ ๖-323-๖-9446

Approved by

Dej Changchon

Dej Changchon

Senior Manager

โทรศัพท์ ๖-323-๖-9442

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## Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.

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

P/O : 4515493615

Project Name : Water Testing

Project Location : Map Ta Phut\_Latex (SSLC)



TESTING

No.0042

Lot ID: 2472194

Date Received : Jul 03, 2024

Date Reported : Jul 11, 2024

Report Number : 3033956-1

Page 2 of 2

Sample Number	2472194-1
Sampled Date	Jul 03, 2024 9:25 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Jul 03, 2024
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	9	≤50	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

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

Sampling By : Chainusorn Lertnathakunchai โทรศัพท์ ๖-323-๖-9461 , Pattarapol Sawangjalarn โทรศัพท์ ๖-204-๖-0002

Remark :

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

Technical Management

Photchana S.

Photchana Seeda

Scientist (4)

โทรศัพท์ ๖-323-๖-9446

Approved by

Dej Changchon

Dej Changchon

Senior Manager

โทรศัพท์ ๖-323-๖-9442

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## Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.  
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150  
P/O : 4515493615  
Project Name : Water Testing  
Project Location : Map Ta Phut\_Latex (SSLC)

Lot ID: 2472194  
Date Received : Jul 03, 2024  
Date Reported : Jul 11, 2024  
Report Number : 3033956-2

Page 1 of 1

Sample Number	2472194-1						
Sampled Date	Jul 03, 2024 9:25 AM						
Sample Description	Wastewater						
Location	Domestic Outlet						
Date Analysis Commenced	Jul 05, 2024						
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	9.90	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

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

Sampling By : Chainusorn Lertnanthakunchai, Pattarapol Sawangjalatam

#### Remark :

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

Approved by

*Suwimon C.*

Suwimon Chaiuangwut  
Scientist (3)

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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 : 4515493615  
Project Name : Water Testing  
Project Location : Map Ta Phut\_Latex (SSLC)



TESTING  
No.0042

Lot ID: 2485338  
Date Received : Aug 07, 2024  
Date Reported : Aug 16, 2024  
Report Number : 3064926-1

Page 1 of 2

Sample Number	2485338-1						
Sampled Date	Aug 07, 2024 9:20 AM						
Sample Description	Wastewater						
Location	Domestic Outlet						
Date Analysis Commenced	Aug 07, 2024						
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	10.0	≤20	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	32	≤120	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	23	≤300	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	22	≤300	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C		-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.7	≤40	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	292	≤3000	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	9.2	≤100	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong

Technical Management

*Photchana S.*

Photchana Seeda  
Scientist (4)  
หมายเลขโทรศัพท์ 3-323-3-9446

Approved by

*D. Chanchon*

Dej Chanchon  
Senior Manager  
หมายเลขโทรศัพท์ 3-323-3-9442

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## Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.

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

P/O : 4515493615

Project Name : Water Testing

Project Location : Map Ta Phut\_Latex (SSLC)

TESTING

No.0042

Lot ID: 2485338

Date Received : Aug 07, 2024

Date Reported : Aug 16, 2024

Report Number : 3064926-1

Page 2 of 2

Sample Number	2485338-1						
Sampled Date	Aug 07, 2024 9:20 AM						
Sample Description	Wastewater						
Location	Domestic Outlet						
Date Analysis Commenced	Aug 07, 2024						
Condition of Sample	Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

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

**Sampling By** : Sansoen Khulyoksul ทะเบียนเลขที่ ร-323-จ-0005 , Thanasoun Namakunna ทะเบียนเลขที่ ร-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).
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Photchana S.

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ร-323-จ-9446

Approved by

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ร-323-จ-9442

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## Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.

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

P/O : 4515493615

Project Name : Water Testing

Project Location : Map Ta Phut\_Latex (SSLC)

Lot ID: 2485338

Date Received : Aug 07, 2024

Date Reported : Aug 16, 2024

Report Number : 3064926-2

Page 1 of 1

Sample Number	2485338-1						
Sampled Date	Aug 07, 2024 9:20 AM						
Sample Description	Wastewater						
Location	Domestic Outlet						
Date Analysis Commenced	Aug 08, 2024						
Condition of Sample	Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Organic Carbon	mg/L	0.01	0.1	5.45	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

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

**Sampling By** : Sansoen Khulyoksul , Thanasoun Namakunna

Remark :

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

Approved by

Siriluk P.

Siriluk Bunnak

Section Head

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## Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.  
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150  
P/O : 4515493615  
Project Name : Water Testing  
Project Location : Map Ta Phut\_Latex (SSLC)



TESTING  
No.0042

Lot ID: 2494446  
Date Received : Sep 04, 2024  
Date Reported : Sep 12, 2024  
Report Number : 3084882-1

Page 1 of 2

Sample Number	2494446-1						
Sampled Date	Sep 04, 2024 9:40 AM						
Sample Description	Wastewater						
Location	Domestic Outlet						
Date Analysis Commenced	Sep 04, 2024						
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	3.2	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	22	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	22	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C		-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	31.2	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	328	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	6.7	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong

Technical Management

**Photchana S.**

Photchana Seeda  
Scientist (4)  
ทะเบียนเลขที่ 7-323-จ-0028

Approved by

**D. Chumson**

Dej Changchon  
Senior Manager  
ทะเบียนเลขที่ 7-323-จ-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 : 4515493615  
Project Name : Water Testing  
Project Location : Map Ta Phut\_Latex (SSLC)



TESTING  
No.0042

Lot ID: 2494446  
Date Received : Sep 04, 2024  
Date Reported : Sep 12, 2024  
Report Number : 3084882-1

Page 2 of 2

Sample Number	2494446-1						
Sampled Date	Sep 04, 2024 9:40 AM						
Sample Description	Wastewater						
Location	Domestic Outlet						
Date Analysis Commenced	Sep 04, 2024						
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 Suspended Solids Dried at 103-105 degree C	mg/L	-	5	5	≤50	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

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

Note : Raw data of COD value (Refer to Lot ID 2494446) is 23.9 mg/L

Sampling By : Wanlop Hunchainaw ทะเบียนเลขที่ 7-323-จ-0038

Remark :

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

Technical Management

**Photchana S.**

Photchana Seeda  
Scientist (4)  
ทะเบียนเลขที่ 7-323-จ-0028

Approved by

**D. Chumson**

Dej Changchon  
Senior Manager  
ทะเบียนเลขที่ 7-323-จ-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 : 4515493615  
Project Name : Water Testing  
Project Location : Map Ta Phut\_Latex (SSLC)

Lot ID: 2494446  
Date Received : Sep 04, 2024  
Date Reported : Sep 12, 2024  
Report Number : 3084882-2

Page 1 of 1

Sample Number	2494446-1						
Sampled Date	Sep 04, 2024 9:40 AM						
Sample Description	Wastewater						
Location	Domestic Outlet						
Date Analysis Commenced	Sep 05, 2024						
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	6.58	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

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

Note : Raw data of COD value (Refer to Lot ID 2494446) is 23.9 mg/L

Sampling By : Wanlop Hunchainaow

Remark :  
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Approved by

Siriluk P.  
Siriluk Bunnak  
Section Head

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## Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.  
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150  
P/O : 4515493615  
Project Name : Water Testing  
Project Location : Map Ta Phut\_Latex (SSLC)

TESTING  
No.0042  
Lot ID: 24105031  
Date Received : Oct 02, 2024  
Date Reported : Oct 10, 2024  
Report Number : 3107748-1

Page 1 of 2

Sample Number	24105031-1						
Sampled Date	Oct 02, 2024 10:20 AM						
Sample Description	Wastewater						
Location	Domestic Outlet						
Date Analysis Commenced	Oct 02, 2024						
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	15	≤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	15	≤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		-	-	8.0	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	280	≤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	3.2	≤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

Photchanas.  
Photchanas Seeda  
Scientist (4)  
โทรศัพท์ ๖-323-๖-0028

Approved by

D. Changchon  
Dej Changchon  
Senior Manager  
โทรศัพท์ ๖-323-๖-0001

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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 : 4515493615  
Project Name : Water Testing  
Project Location : Map Ta Phut\_Latex (SSLC)



TESTING  
No.0042  
Lot ID: 24105031  
Date Received : Oct 02, 2024  
Date Reported : Oct 10, 2024  
Report Number : 3107748-1

Page 2 of 2

Sample Number 24105031-1  
Sampled Date Oct 02, 2024 10:20 AM  
Sample Description Wastewater  
Location Domestic Outlet  
Date Analysis Commenced Oct 02, 2024  
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 24105031-1) is 13.1 mg/L

Sampling By : Sansoen Khuiyoksul ทะเบียนเลขที่ ว-323-จ-0005 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

### Remark :

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

Technical Management

Photchana S.

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Chanchon

Dej Chanchon

Senior Manager

ทะเบียนเลขที่ ว-323-ก-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 : 4515493615  
Project Name : Water Testing  
Project Location : Map Ta Phut\_Latex (SSLC)

Lot ID: 24105031  
Date Received : Oct 02, 2024  
Date Reported : Oct 08, 2024  
Report Number : 3107748-2

Page 1 of 1

Sample Number 24105031-1  
Sampled Date Oct 02, 2024 10:20 AM  
Sample Description Wastewater  
Location Domestic Outlet  
Date Analysis Commenced Oct 04, 2024  
Condition of Sample Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Organic Carbon	mg/L	0.01	0.1	4.11	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 : Sansoen Khuiyoksul ทะเบียนเลขที่ ว-323-จ-0005 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

### Remark :

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

Technical Management

Narin Saiseng

Narin Saiseng

Supervisor

ทะเบียนเลขที่ ว-204-จ-0009

Approved by

Kanokkorn Anek

Kanokkorn Anek

Assistant General Manager

ทะเบียนเลขที่ ว-204-ก-0004

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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 : 4515493615  
Project Name : Water Testing  
Project Location : Map Ta Phut\_Latex (SSLC)



TESTING  
No.0042  
**Lot ID: 24122389**  
Date Received : Nov 06, 2024  
Date Reported : Nov 14, 2024  
Report Number : 3147232-1

Page 1 of 2

Sample Number	24122389-1
Sampled Date	Nov 06, 2024 9:15 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Nov 06, 2024
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	4.0	≤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	26	≤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	20	≤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	18	≤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	-	-	31.1	≤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	576	≤3000	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	3.5	≤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 7-323-ก-0028

Approved by

**D. Chumon**

Dej Changchon  
Senior Manager  
ทะเบียนเลขที่ 7-323-ก-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 : 4515493615  
Project Name : Water Testing  
Project Location : Map Ta Phut\_Latex (SSLC)



TESTING  
No.0042  
**Lot ID: 24122389**  
Date Received : Nov 06, 2024  
Date Reported : Nov 14, 2024  
Report Number : 3147232-1

Page 2 of 2

Sample Number	24122389-1
Sampled Date	Nov 06, 2024 9:15 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Nov 06, 2024
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).  
**Sampling By** : Chainusorn Lertnathakunchai ทะเบียนเลขที่ 7-323-ก-0041 , Pattarapol Sawangjaitam ทะเบียนเลขที่ 7-204-ก-0002

Remark :

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

Technical Management

**Photchana S.**

Photchana Seeda  
Scientist (4)  
ทะเบียนเลขที่ 7-323-ก-0028

Approved by

**D. Chumon**

Dej Changchon  
Senior Manager  
ทะเบียนเลขที่ 7-323-ก-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 : 4515493615  
Project Name : Water Testing  
Project Location : Map Ta Phut\_Latex (SSLC)

Lot ID: 24122389  
Date Received : Nov 06, 2024  
Date Reported : Nov 14, 2024  
Report Number : 3147232-2

Page 1 of 1

Sample Number	24122389-1						
Sampled Date	Nov 06, 2024 9:15 AM						
Sample Description	Wastewater						
Location	Domestic Outlet						
Date Analysis Commenced	Nov 08, 2024						
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	5.05	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 : Chainusorn Lertnanthakunchai , Pattarapol Sawangjaltam

### Remark :

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

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

*Suwimon C.*  
Suwimon Chairuangwut  
Scientist (3)

ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand | PHONE +66 0 2760 3000 | FAX +66 0 2760 3197

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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 : 4515493615  
Project Name : Water Testing  
Project Location : Map Ta Phut\_Latex (SSLC)



TESTING  
No.0042

Lot ID: 24133799  
Date Received : Dec 04, 2024  
Date Reported : Dec 13, 2024  
Report Number : 3176046-1

Page 1 of 2

Sample Number	24133799-1						
Sampled Date	Dec 04, 2024 9:00 AM						
Sample Description	Wastewater						
Location	Domestic Outlet						
Date Analysis Commenced	Dec 04, 2024						
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	25	≤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		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.6	≤40	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	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	3.7	≤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)  
หมายเลขโทรศัพท์ 3-323-3-0028

Approved by

*D. Changchon*  
Dej Changchon  
Senior Manager  
หมายเลขโทรศัพท์ 3-323-3-0001

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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 : 4515493615

Project Name : Water Testing

Project Location: Map Ta Phut\_Latex (SSLC)



TESTING

No.0042

Lot ID: 24133799

Date Received : Dec 04, 2024

Date Reported : Dec 13, 2024

Report Number : 3176046-1

Page 2 of 2

Sample Number	24133799-1						
Sampled Date	Dec 04, 2024 9:00 AM						
Sample Description	Wastewater						
Location	Domestic Outlet						
Date Analysis Commenced	Dec 04, 2024						
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	6	≤50	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

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

Note : Raw data of COD value (Refer to Lot ID 24133799-1) is 20.0 mg/L

Sampling By : Surawit Narapong ทะเบียนเลขที่ ร-323-จ-0011 , Thanasoun Namakunna ทะเบียนเลขที่ ร-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.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Photchana S.

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ร-323-จ-0028

Approved by

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ร-323-จ-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 : 4515493615

Project Name : Water Testing

Project Location: Map Ta Phut\_Latex (SSLC)

Lot ID: 24133799

Date Received : Dec 04, 2024

Date Reported : Dec 13, 2024

Report Number : 3176046-2

Page 1 of 1

Sample Number	24133799-1						
Sampled Date	Dec 04, 2024 9:00 AM						
Sample Description	Wastewater						
Location	Domestic Outlet						
Date Analysis Commenced	Dec 06, 2024						
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Organic Carbon	mg/L	0.01	0.1	5.10	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 :

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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 : 4515759206

Project Name : Water Testing

Project Location : Map Ta Phut\_PS (SPCL)



TESTING

No.0042

Lot ID: 2494411

Date Received : Sep 04, 2024

Date Reported : Dec 19, 2024

Report Number : 3084849-1 C3

Page 1 of 2

Sample Number	2494411-1						
Sampling Date	Sep 04, 2024 10:30 AM						
Sample Description	Wastewater						
Location	จุดระบายน้ำทิ้งออกนอกโรงการ (Outfall Pit)						
Date Analysis Commenced	Sep 04, 2024						
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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	35	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	8	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	6	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Cyanide as CN	mg/L	0.001	0.005	0.005	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-CN (C, E)	Rayong
Formaldehyde	mg/L	0.03	0.1	Not Detected	≤1.0	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed., 2004	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Phenol	mg/L	0.005	0.01	Not Detected	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong

Technical Management

**Photchana S.**

Photchana Seeda  
Scientist (4)

ทะเบียนเลขที่ ร-323-ร-0028

Approved by

**D. Changchon**

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ร-323-ร-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 : 4515759206

Project Name : Water Testing

Project Location : Map Ta Phut\_PS (SPCL)



TESTING

No.0042

Lot ID: 2494411

Date Received : Sep 04, 2024

Date Reported : Dec 19, 2024

Report Number : 3084849-1 C3

Page 2 of 2

Sample Number	2494411-1						
Sampling Date	Sep 04, 2024 10:30 AM						
Sample Description	Wastewater						
Location	จุดระบายน้ำทิ้งออกนอกโรงการ (Outfall Pit)						
Date Analysis Commenced	Sep 04, 2024						
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
<b>Water Testing</b>							
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Rayong
Sulfide *	mg/L	-	0.5	<0.5	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-S2 (C, F)	Rayong
Temperature *	Degree C	-	-	32.0	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	536	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	2.0	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

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

Sampling By : Wanlop Hunchainaow ทะเบียนเลขที่ ร-323-ร-0038 , Pattarapol Sawangjalitam ทะเบียนเลขที่ ร-204-ร-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.

Technical Management

**Photchana S.**

Photchana Seeda  
Scientist (4)

ทะเบียนเลขที่ ร-323-ร-0028

Approved by

**D. Changchon**

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ร-323-ร-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 : 4515759206  
Project Name : Water Testing  
Project Location : Map Ta Phut\_PS (SPCL)



TESTING  
No.0009

Lot ID: 2494411  
Date Received : Sep 04, 2024  
Date Reported : Dec 19, 2024  
Report Number : 3084849-2 C3

Page 1 of 5

Sample Number 2494411-1  
Sampling Date Sep 04, 2024 10:30 AM  
Sample Description Wastewater  
Location จุฬารายน้ำทิ้งออกนอกโครงการ (Outfall Pit)  
Date Analysis Commenced Sep 05, 2024  
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
<b>Metals Testing</b>							
Arsenic	mg/L	0.0003	0.0005	0.002	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.14	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.003	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr 8	Bangkok
Lead	mg/L	0.0003	0.0005	0.001	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.06	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Mercury *	mg/L	0.0001	0.0005	<0.0005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3112	Bangkok

Technical Management

*Savitree N.*

Savitree Nolsanglam  
Manager

ทะเบียนเลขที่ ว-204-จ-0007

Approved by

*Kanokorn Anek*

Kanokorn Anek  
Assistant General Manager

ทะเบียนเลขที่ ว-204-ก-0004

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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 : 4515759206  
Project Name : Water Testing  
Project Location : Map Ta Phut\_PS (SPCL)



TESTING  
No.0009

Lot ID: 2494411  
Date Received : Sep 04, 2024  
Date Reported : Dec 19, 2024  
Report Number : 3084849-2 C3

Page 2 of 5

Sample Number 2494411-1  
Sampling Date Sep 04, 2024 10:30 AM  
Sample Description Wastewater  
Location จุฬารายน้ำทิ้งออกนอกโครงการ (Outfall Pit)  
Date Analysis Commenced Sep 05, 2024  
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
<b>Metals Testing</b>							
Nickel	mg/L	0.0003	0.0005	0.010	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	<0.0005	≤0.02	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	≤0.75	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.94	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Pesticides - Organochlorine Group</b>							
2,4-DDD	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B	Bangkok
2,4-DDE	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B	Bangkok
2,4-DDT	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B	Bangkok

Technical Management

*Savitree N.*

Savitree Nolsanglam  
Manager

ทะเบียนเลขที่ ว-204-จ-0007

Approved by

*Kanokorn Anek*

Kanokorn Anek  
Assistant General Manager

ทะเบียนเลขที่ ว-204-ก-0004

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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 : 4515759206  
Project Name : Water Testing  
Project Location: Map Ta Phut\_PS (SPCL)



TESTING  
No.0009

Lot ID: 2494411  
Date Received : Sep 04, 2024  
Date Reported : Dec 19, 2024  
Report Number : 3084849-2 C3

Page 3 of 5

Sample Number	2494411-1						
Sampling Date	Sep 04, 2024 10:30 AM						
Sample Description	Wastewater						
Location	จุดระบายน้ำที่ออกนอกโครงการ (Outfall Pit)						
Date Analysis Commenced	Sep 05, 2024						
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
<b>Pesticides - Organochlorine Group</b>							
4,4-DDD	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B	Bangkok
4,4-DDE	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B	Bangkok
4,4-DDT	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B	Bangkok
Aldrin	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B	Bangkok
alpha-BHC	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B	Bangkok
beta-BHC	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B	Bangkok
Chlordane	ug/L	0.02	0.04	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B	Bangkok

Technical Management

*Savitree N.*

Savitree Naisangiam  
Manager

ทะเบียนเลขที่ ว-204-ก-0007

Approved by

*Kanokorn Anek*

Kanokorn Anek  
Assistant General Manager

ทะเบียนเลขที่ ว-204-ก-0004

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## Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.  
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150  
P/O : 4515759206  
Project Name : Water Testing  
Project Location: Map Ta Phut\_PS (SPCL)



TESTING  
No.0009

Lot ID: 2494411  
Date Received : Sep 04, 2024  
Date Reported : Dec 19, 2024  
Report Number : 3084849-2 C3

Page 4 of 5

Sample Number	2494411-1						
Sampling Date	Sep 04, 2024 10:30 AM						
Sample Description	Wastewater						
Location	จุดระบายน้ำที่ออกนอกโครงการ (Outfall Pit)						
Date Analysis Commenced	Sep 05, 2024						
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
<b>Pesticides - Organochlorine Group</b>							
delta-BHC	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B	Bangkok
Dieldrin	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B	Bangkok
Endosulfan I	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B	Bangkok
Endosulfan II	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B	Bangkok
Endrin	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B	Bangkok
Heptachlor	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B	Bangkok
Heptachlor-Epoxide	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B	Bangkok

Technical Management

*Savitree N.*

Savitree Naisangiam  
Manager

ทะเบียนเลขที่ ว-204-ก-0007

Approved by

*Kanokorn Anek*

Kanokorn Anek  
Assistant General Manager

ทะเบียนเลขที่ ว-204-ก-0004

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## Analysis / Test Report

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 : 4515759206

Project Name : Water Testing

Project Location: Map Ta Phut\_PS (SPCL)

Lot ID: 2494411

Date Received : Sep 04, 2024

Date Reported : Dec 19, 2024

Report Number : 3084849-2 C3

Page 5 of 5

**Sample Number** 2494411-1  
**Sampling Date** Sep 04, 2024 10:30 AM  
**Sample Description** Wastewater  
**Location** จุดระบายน้ำที่ออกนอกโครงการ (Outfall Pit)  
**Date Analysis Commenced** Sep 05, 2024  
**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
<b>Pesticides - Organochlorine Group</b>							
Lindane (gamma-BHC)	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B	Bangkok
Methoxychlor	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B	Bangkok

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

Sampling By : Wanlop Hunchainaow ทะเบียนเลขที่ 7-323-จ-0038 , Pattarapol Sawangjaitam ทะเบียนเลขที่ 7-204-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.

Technical Management

*Savitree N.*

Savitree Nolsangiam

Manager

ทะเบียนเลขที่ 7-204-จ-0007

Approved by

*Kanok Korn Anek*

Kanok Korn Anek

Assistant General Manager

ทะเบียนเลขที่ 7-204-จ-0004

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# ภาคผนวก ค-5

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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 : 4515755108

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 249046

Date Received : Jun 26, 2024

Date Reported : Jul 03, 2024

Report Number : 2892820-1

Page 1 of 1

Sample Number	249046-1						
Sampled Date	Jun 26, 2024 11:05 AM						
Sample Description	Groundwater						
Location	MW-3 (Near Latex Plant)						
Date Analysis Commenced	Jun 26, 2024						
Condition of Sample	Contained in four glass vials, two amber glass bottles and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
pH at 25 degree C		-	-	6.1	6.5-9.2 (I)	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, 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): ในกรณีที่มีการปนเปื้อนของสารหรือค่าใดค่าหนึ่งเกินขีดจำกัดที่กำหนดไว้ในการติดตามตรวจสอบการปนเปื้อนกับผลวิเคราะห์จากจุดเก็บตัวอย่างต่อเนื่องที่ให้เป็นบ่งชี้ถึงระดับการปนเปื้อนของน้ำใต้ดินในพื้นที่ โดยค่าที่เกินขีดจำกัดจะแสดงในเกณฑ์ระดับ และไปยื่นขอแจ้งค่าเกณฑ์ของกรมสูงสุดของมาตรฐานคุณภาพน้ำบาดาลที่ใช้บังคับคือ 6.5-9.2

**Sampling By :** Sansoen Khuiyoksui ทะเบียนเลขที่ ๖-323-๖-0005 , Thanasoun Namakunna ทะเบียนเลขที่ ๖-204-๖-0101

Remark :

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

Technical Management

**Photchana S.**

Photchana Seeda  
Scientist (4)  
ทะเบียนเลขที่ ๖-323-๖-9446

Approved by

**D. Changchon**

Dej Changchon  
Senior Manager  
ทะเบียนเลขที่ ๖-323-๖-9442

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## Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

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

P/O : 4515755108

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 249046

Date Received : Jun 26, 2024

Date Reported : Jul 04, 2024

Report Number : 2892820-2

Page 1 of 1

Sample Number	249046-1						
Sampled Date	Jun 26, 2024 11:05 AM						
Sample Description	Groundwater						
Location	MW-3 (Near Latex Plant)						
Date Analysis Commenced	Jun 26, 2024						
Condition of Sample	Contained in four glass vials, two amber glass bottles and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Conductivity at 25 Degree C	micromhos/cm	-	0.5	281	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Rayong
Total Organic Carbon	mg/L	0.01	0.1	2.41	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok
Total Petroleum Hydrocarbon	mg/L	-	3	<3	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 F	Rayong

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

**Sampling By :** Sansoen Khuiyoksui , Thanasoun Namakunna

Remark :

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Approved by

**Siriluk P.**

Siriluk Bunnak  
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 : 4515755108

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 249056

Date Received : Jun 27, 2024

Date Reported : Jul 05, 2024

Report Number : 2892821-1

Page 1 of 1

Sample Number	249056-1
Sampled Date	Jun 27, 2024
Sample Description	Groundwater
Location	MW-4 (Behind Warehouse)
Date Analysis Commenced	Jun 27, 2024
Condition of Sample	Contained in two glass vials, one 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	-	-	-	6.5	6.5-9.2 (I)	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, 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): ในกรณีที่มีการปนเปื้อนของกรดหรือด่างให้เปรียบเทียบผลวิเคราะห์ค่าที่เอชจากจุดเก็บตัวอย่างมือน้ำที่ใช้ในการติดตามตรวจสอบการปนเปื้อนกับผลวิเคราะห์จากจุดเก็บตัวอย่างมือน้ำที่ใช้เป็นปัจจัยดัชนีชี้ทางการไหลของน้ำใต้ดินในพื้นที่ โดยค่าที่เอชที่เปลี่ยนแปลงจะต้องไม่เกินหนึ่งระดับ และไม่อยู่นอกช่วงค่าเกณฑ์อนุโมเลกุลสูงสุดของมาตรฐานคุณภาพน้ำบาดาลที่ใช้บังคับคือ 6.5-9.2

**Sampling By :** Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005 , Thanasoun Namakunna ทะเบียนเลขที่ ว-204-จ-0101

Remark :

- LOD : Limit of Detection

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

Technical Management

**Chontichak**

Chonticha Subongkoch

Scientist (3)

ทะเบียนเลขที่ ว-323-จ-9449

Approved by

**D. Chonchan**

Dej Chanchon

Senior Manager

ทะเบียนเลขที่ ว-323-จ-9442

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## Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

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

P/O : 4515755108

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 249056

Date Received : Jun 27, 2024

Date Reported : Jul 05, 2024

Report Number : 2892821-2

Page 1 of 1

Sample Number	249056-1
Sampled Date	Jun 27, 2024
Sample Description	Groundwater
Location	MW-4 (Behind Warehouse)
Date Analysis Commenced	Jun 27, 2024
Condition of Sample	Contained in two glass vials, one 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	754	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Rayong
Total Organic Carbon	mg/L	0.01	0.1	9.42	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok
Total Petroleum Hydrocarbon	mg/L	-	3	<3	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 F	Rayong

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

**Sampling By :** Sansoen Khuiyoksui , Thanasoun Namakunna

Remark :

- LOD : Limit of Detection

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

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## Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

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

P/O : 4515755108

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 249057

Date Received : Jun 27, 2024

Date Reported : Jul 05, 2024

Report Number : 2892822-1

Page 1 of 1

Sample Number	249057-1
Sampled Date	Jun 27, 2024 11:00 AM
Sample Description	Groundwater
Location	MW-5 (Near PS Heater)
Date Analysis Commenced	Jun 27, 2024
Condition of Sample	Contained in two glass vials, one 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		-	-	7.2	6.5-9.2 (I)	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, 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): ในกรณีที่มีการปนเปื้อนของสารเคมีหรือสารพิษในดินหรือในน้ำใต้ดินจากกิจกรรมการดำเนินงานของโรงงานอุตสาหกรรมหรือจากกิจกรรมการปล่อยของเสียจากโรงงานอุตสาหกรรม โดยค่าที่เกินค่าที่กำหนดไว้ในเกณฑ์มาตรฐานจะต้องไม่เกินหนึ่งระดับ และในกรณีที่เกินค่าที่กำหนดไว้ในเกณฑ์มาตรฐานจะต้องไม่เกินสองระดับ

**Sampling By :** Sansoen Khuiyoksui ทะเบียนเลขที่ 7-323-ก-0005 , Thanasoun Namakunna ทะเบียนเลขที่ 7-204-ก-0101

Remark :

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

Technical Management

Chontichak

Chonticha Subongkoch

Scientist (3)

ทะเบียนเลขที่ 7-323-ก-9449

Approved by

Dej Changchon

Senior Manager

ทะเบียนเลขที่ 7-323-ก-9442

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## Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

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

P/O : 4515755108

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 249057

Date Received : Jun 27, 2024

Date Reported : Jul 05, 2024

Report Number : 2892822-2

Page 1 of 1

Sample Number	249057-1
Sampled Date	Jun 27, 2024 11:00 AM
Sample Description	Groundwater
Location	MW-5 (Near PS Heater)
Date Analysis Commenced	Jun 27, 2024
Condition of Sample	Contained in two glass vials, one 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	599	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Rayong
Total Organic Carbon	mg/L	0.01	0.1	4.71	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok
Total Petroleum Hydrocarbon	mg/L	-	3	<3	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 F	Rayong

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

**Sampling By :** Sansoen Khuiyoksui , Thanasoun Namakunna

Remark :

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

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Approved by

Siriluk P.

Siriluk Bunnak

Section Head





## 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 :** 4515755108  
**Project Name :** Environmental Quality Monitoring  
**Project Location:** Map Ta Phut\_PS (SPCL)

**Lot ID: 249058**  
**Date Received :** Jun 28, 2024  
**Date Reported :** Jul 05, 2024  
**Report Number :** 2892824-1

Page 1 of 1

**Sample Number** 249058-1  
**Sampled Date** Jun 28, 2024 11:50 AM  
**Sample Description** Groundwater  
**Location** MW-6 (South Fence)  
**Date Analysis Commenced** Jun 28, 2024  
**Condition of Sample** Contained in one amber glass bottle, two glass vials and one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
pH at 25 degree C	-	-	-	6.5	6.5-9.2 (I)	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, 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): ในกรณีที่มีการปนเปื้อนของกรดหรือด่างให้เปรียบเทียบค่าที่เอชจากจุดเก็บตัวอย่างบ่อน้ำที่ใช้ในการติดตามตรวจสอบการปนเปื้อนกับผลวิเคราะห์จากจุดเก็บตัวอย่างบ่อน้ำที่ใช้เป็นสื่ออ้างอิงบนทิศทางการไหลของน้ำใต้ดินในพื้นที่ โดยค่าที่เอชที่เปลี่ยนแปลงจะต้องไม่เกินหนึ่งระดับ และไม่ไปแตะขอบช่วงค่าเกณฑ์อนุโลมสูงสุดของมาตรฐานคุณภาพน้ำตามค่าที่เอชที่ใกล้เคียง 6.5-9.2

**Sampling By :** Sansoen Khuiyoksul ทะเบียนเลขที่ ว-323-จ-0005 , Thanasoun Namakunna ทะเบียนเลขที่ ว-204-จ-0101

**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-9446

Approved by

**D. Chanchon**

Dej Chanchon  
Senior Manager  
ทะเบียนเลขที่ ว-323-จ-9442

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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 :** 4515755108  
**Project Name :** Environmental Quality Monitoring  
**Project Location:** Map Ta Phut\_PS (SPCL)

**Lot ID: 249058**  
**Date Received :** Jun 28, 2024  
**Date Reported :** Jul 05, 2024  
**Report Number :** 2892824-2

Page 1 of 1

**Sample Number** 249058-1  
**Sampled Date** Jun 28, 2024 11:50 AM  
**Sample Description** Groundwater  
**Location** MW-6 (South Fence)  
**Date Analysis Commenced** Jun 29, 2024  
**Condition of Sample** Contained in one amber glass bottle, two glass vials and one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Conductivity at 25 Degree C	micromhos/cm	-	0.5	632	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Rayong
Total Organic Carbon	mg/L	0.01	0.1	12.5	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok
Total Petroleum Hydrocarbon	mg/L	-	3	<3	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 F	Rayong

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

**Sampling By :** Sansoen Khuiyoksul , Thanasoun Namakunna

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

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## ภาคผนวก ค-6

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คุณภาพอากาศในสภาพแวดล้อมการทำงาน



## Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

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

P/O : 4515755108

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 2485405

Date Received : Aug 30, 2024

Date Reported : Sep 06, 2024

Report Number : 3065275-1

Page 1 of 5

Sample Number 2485405-1  
Sampled Date Aug 29, 2024  
Sample Description Air Quality  
Location RM Preparation  
Date Analysis Commenced Sep 02, 2024  
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 754 mmHg  
Atmospheric Temperature 30.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Methane as Propane	09:00 AM - 11:00 AM	ppm	-	0.33	0.94	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Non Methane Hydrocarbon as Propane	09:00 AM - 11:00 AM	ppm	-	0.33	0.52	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	Based on NIOSH (1994), 0500	OSHA	Rayong
Total Hydrocarbon as Propane	09:00 AM - 11:00 AM	ppm	-	0.33	1.46	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 : Satcha Phetsawaeng

### Remark :

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

Approved by

Thanita K.

Thanita Kulsuriwong  
Scientist (4)

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21150

P/O : 4515755108

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 2485405

Date Received : Aug 30, 2024

Date Reported : Sep 06, 2024

Report Number : 3065275-1

Page 2 of 5

Sample Number 2485405-2  
Sampled Date Aug 29, 2024  
Sample Description Air Quality  
Location Polymerization  
Date Analysis Commenced Sep 02, 2024  
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 754 mmHg  
Atmospheric Temperature 30.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Methane as Propane	09:05 AM - 11:05 AM	ppm	-	0.33	0.80	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Non Methane Hydrocarbon as Propane	09:05 AM - 11:05 AM	ppm	-	0.33	0.40	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Styrene	09:05 AM - 11:05 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	09:05 AM - 11:05 AM	mg/m3	-	0.15	<0.15	15	Based on NIOSH (1994), 0500	OSHA	Rayong
Total Hydrocarbon as Propane	09:05 AM - 11:05 AM	ppm	-	0.33	1.20	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 : Satcha Phetsawaeng

### Remark :

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

Approved by

Thanita K.

Thanita Kulsuriwong  
Scientist (4)

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21150

P/O : 4515755108

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 2485405

Date Received : Aug 30, 2024

Date Reported : Sep 06, 2024

Report Number : 3065275-1

Page 3 of 5

**Sample Number** 2485405-3  
**Sampled Date** Aug 29, 2024  
**Sample Description** Air Quality  
**Location** Devolatzation  
**Date Analysis Commenced** Sep 02, 2024  
**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** 754 mmHg  
**Atmospheric Temperature** 30.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Methane as Propane	09:10 AM - 11:10 AM	ppm	-	0.33	1.09	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Non Methane Hydrocarbon as Propane	09:10 AM - 11:10 AM	ppm	-	0.33	0.34	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 - 11:10 AM	mg/m3	-	0.15	<0.15	15	Based on NIOSH (1994), 0500	OSHA	Rayong
Total Hydrocarbon as Propane	09:10 AM - 11:10 AM	ppm	-	0.33	1.42	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 : Satcha Phetsawaeng

### Remark :

- LOD : Limit of Detection
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Approved by

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

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## Analysis / Test Report

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

P/O : 4515755108

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 2485405

Date Received : Aug 30, 2024

Date Reported : Sep 06, 2024

Report Number : 3065275-1

Page 4 of 5

**Sample Number** 2485405-4  
**Sampled Date** Aug 29, 2024  
**Sample Description** Air Quality  
**Location** Finishing  
**Date Analysis Commenced** Sep 02, 2024  
**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** 754 mmHg  
**Atmospheric Temperature** 30.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Methane as Propane	09:15 AM - 11:15 AM	ppm	-	0.33	1.07	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Non Methane Hydrocarbon as Propane	09:15 AM - 11:15 AM	ppm	-	0.33	0.50	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	Based on NIOSH (1994), 0500	OSHA	Rayong
Total Hydrocarbon as Propane	09:15 AM - 11:15 AM	ppm	-	0.33	1.57	No Standard	Total Hydrocarbon Analyzer	-	Rayong

### Guideline :

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

OSHA : Occupational Safety and Health Administration

Sampled By : Satcha Phetsawaeng

### Remark :

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

Approved by

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

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## Analysis / Test Report

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21150

P/O : 4515755108

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 2485405

Date Received : Aug 30, 2024

Date Reported : Sep 06, 2024

Report Number : 3065275-1

Page 5 of 5

**Sample Number** 2485405-5  
**Sampled Date** Aug 29, 2024  
**Sample Description** Air Quality  
**Location** Packaging  
**Date Analysis Commenced** Sep 02, 2024  
**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** 754 mmHg  
**Atmospheric Temperature** 30.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Methane as Propane	09:20 AM - 11:20 AM	ppm	-	0.33	1.07	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Non Methane Hydrocarbon as Propane	09:20 AM - 11:20 AM	ppm	-	0.33	0.48	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	Based on NIOSH (1994), 0500	OSHA	Rayong
Total Hydrocarbon as Propane	09:20 AM - 11:20 AM	ppm	-	0.33	1.55	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 : Satcha Phetsawaeng

### Remark :

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

Approved by

Thanita K.

Thanita Kulsuriwong  
Scientist (4)

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## Analysis / Test Report

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

P/O : 4515755108

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 24105336

Date Received : Nov 22, 2024

Date Reported : Nov 30, 2024

Report Number : 3108272-1

Page 1 of 5

**Sample Number** 24105336-1  
**Sampled Date** Nov 22, 2024  
**Sample Description** Air Quality  
**Location** RM Preparation  
**Date Analysis Commenced** Nov 26, 2024  
**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** 30.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Methane as Propane	09:30 AM - 09:50 AM	ppm	-	0.33	0.78	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Non Methane Hydrocarbon as Propane	09:30 AM - 09:50 AM	ppm	-	0.33	<0.33	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Styrene	09:30 AM - 11:30 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	09:30 AM - 11:30 AM	mg/m3	-	0.15	<0.15	15	Based on NIOSH (1994), 0500	OSHA	Rayong
Total Hydrocarbon as Propane	09:30 AM - 09:50 AM	ppm	-	0.33	0.78	No Standard	Total Hydrocarbon Analyzer	-	Rayong

### Guideline :

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

OSHA : Occupational Safety and Health Administration

Sampled By : Prasannit Kueanpet

### Remark :

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

Approved by

Saranya C.

Saranya Chalermthamrong  
Scientist (4)

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## Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.  
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand  
21150  
P/O : 4515755108  
Project Name : Environmental Quality Monitoring  
Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 24105336  
Date Received : Nov 22, 2024  
Date Reported : Nov 30, 2024  
Report Number : 3108272-1

Page 2 of 5

Sample Number 24105336-2  
Sampled Date Nov 22, 2024  
Sample Description Air Quality  
Location Polymerization  
Date Analysis Commenced Nov 26, 2024  
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 30.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Methane as Propane	09:30 AM - 09:50 AM	ppm	-	0.33	0.77	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Non Methane Hydrocarbon as Propane	09:30 AM - 09:50 AM	ppm	-	0.33	0.34	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Styrene	09:30 AM - 11:30 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	09:30 AM - 11:30 AM	mg/m3	-	0.15	<0.15	15	Based on NIOSH (1994), 0500	OSHA	Rayong
Total Hydrocarbon as Propane	09:30 AM - 09:50 AM	ppm	-	0.33	1.11	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 :** Prasannit Kueanpet

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

Approved by

Saranya C.

Saranya Chalermtamrong  
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 : 4515755108  
Project Name : Environmental Quality Monitoring  
Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 24105336  
Date Received : Nov 22, 2024  
Date Reported : Nov 30, 2024  
Report Number : 3108272-1

Page 3 of 5

Sample Number 24105336-3  
Sampled Date Nov 22, 2024  
Sample Description Air Quality  
Location Devolatilization  
Date Analysis Commenced Nov 26, 2024  
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 30.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Methane as Propane	09:30 AM - 09:50 AM	ppm	-	0.33	0.77	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Non Methane Hydrocarbon as Propane	09:30 AM - 09:50 AM	ppm	-	0.33	0.47	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Styrene	09:30 AM - 11:30 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	09:30 AM - 11:30 AM	mg/m3	-	0.15	<0.15	15	Based on NIOSH (1994), 0500	OSHA	Rayong
Total Hydrocarbon as Propane	09:30 AM - 09:50 AM	ppm	-	0.33	1.24	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 :** Prasannit Kueanpet

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

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Saranya Chalermtamrong  
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 : 4515755108

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 24105336

Date Received : Nov 22, 2024

Date Reported : Nov 30, 2024

Report Number : 3108272-1

Page 4 of 5

**Sample Number** 24105336-4  
**Sampled Date** Nov 22, 2024  
**Sample Description** Air Quality  
**Location** Finishing  
**Date Analysis Commenced** Nov 26, 2024  
**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** 30.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Methane as Propane	09:30 AM - 09:50 AM	ppm	-	0.33	0.79	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Non Methane Hydrocarbon as Propane	09:30 AM - 09:50 AM	ppm	-	0.33	<0.33	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Styrene	09:30 AM - 11:30 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	09:30 AM - 11:30 AM	mg/m3	-	0.15	<0.15	15	Based on NIOSH (1994), 0500	OSHA	Rayong
Total Hydrocarbon as Propane	09:30 AM - 09:50 AM	ppm	-	0.33	0.79	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 : Prasanmit Kueanpet

### Remark :

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

Approved by

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

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## Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

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

P/O : 4515755108

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 24105336

Date Received : Nov 22, 2024

Date Reported : Nov 30, 2024

Report Number : 3108272-1

Page 5 of 5

**Sample Number** 24105336-5  
**Sampled Date** Nov 22, 2024  
**Sample Description** Air Quality  
**Location** Packaging  
**Date Analysis Commenced** Nov 26, 2024  
**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** 30.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Methane as Propane	09:30 AM - 09:50 AM	ppm	-	0.33	0.75	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Non Methane Hydrocarbon as Propane	09:30 AM - 09:50 AM	ppm	-	0.33	2.48	No Standard	Total Hydrocarbon Analyzer	-	Rayong
Styrene	09:30 AM - 11:30 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	09:30 AM - 11:30 AM	mg/m3	-	0.15	<0.15	15	Based on NIOSH (1994), 0500	OSHA	Rayong
Total Hydrocarbon as Propane	09:30 AM - 09:50 AM	ppm	-	0.33	3.23	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 : Prasanmit Kueanpet

### Remark :

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

Approved by

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

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## Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

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

P/O : 4515755108

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 2485408

Date Received : Aug 30, 2024

Date Reported : Sep 04, 2024

Report Number: 3101081-1

Page 1 of 1

Sample Number 2485408-1  
Parameter Noise (Leq 8 hrs.)  
Location MRU  
Measurement Date Aug 29, 2024  
Measurement by Satcha Phetsawaeng

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:33 AM - 10:33 AM	83.8	86.6	83.2
10:33 AM - 11:33 AM	85.5	86.9	84.7
11:33 AM - 12:33 PM	85.6	86.8	85.1
12:33 PM - 01:33 PM	85.3	86.5	84.8
01:33 PM - 02:33 PM	84.8	86.0	84.4
02:33 PM - 03:33 PM	84.7	86.1	84.2
03:33 PM - 04:33 PM	85.5	88.0	85.0
04:33 PM - 05:33 PM	85.2	109.8	82.9

Leq Average 8 hrs. (dB(A))

85.1

Lmax (dB(A))

109.8

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย

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Technical Management

Chontichak

Chonticha Subongkoch

Scientist (3)

Approved by

Supot S

Supot Salamteh

Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556  
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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 : 4515755108

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 2485408

Date Received : Aug 30, 2024

Date Reported : Sep 04, 2024

Report Number: 3101082-1

Page 1 of 1

Sample Number 2485408-2  
Parameter Noise (Leq 8 hrs.)  
Location Transfer Blower  
Measurement Date Aug 29, 2024  
Measurement by Satcha Phetsawaeng

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:58 AM - 10:58 AM	86.6	89.1	86.2
10:58 AM - 11:58 AM	87.2	89.8	86.7
11:58 AM - 12:58 PM	86.1	88.0	85.9
12:58 PM - 01:58 PM	86.5	87.8	86.4
01:58 PM - 02:58 PM	87.1	88.1	87.0
02:58 PM - 03:58 PM	87.1	90.2	86.6
03:58 PM - 04:58 PM	86.3	89.2	85.7
04:58 PM - 05:58 PM	86.5	90.0	86.0

Leq Average 8 hrs. (dB(A))

86.7

Lmax (dB(A))

90.2

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย

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Technical Management

Chontichak

Chonticha Subongkoch

Scientist (3)

Approved by

Supot S

Supot Salamteh

Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556  
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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 : 4515755108

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 2485408

Date Received : Aug 30, 2024

Date Reported : Sep 04, 2024

Report Number: 3101083-1

Page 1 of 1

Sample Number 2485408-3  
Parameter Noise (Leq 8 hrs.)  
Location Emergency Generator  
Measurement Date Aug 29, 2024  
Measurement by Satcha Phetsawaeng

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:45 AM - 10:45 AM	83.0	87.4	81.9
10:45 AM - 11:45 AM	84.8	86.7	84.0
11:45 AM - 12:45 PM	84.7	86.9	83.9
12:45 PM - 01:45 PM	84.2	86.6	83.3
01:45 PM - 02:45 PM	83.7	86.3	82.9
02:45 PM - 03:45 PM	84.0	87.6	83.0
03:45 PM - 04:45 PM	86.3	88.2	85.7
04:45 PM - 05:45 PM	87.1	114.4	79.9

Leq Average 8 hrs. (dB(A))

84.9

Lmax (dB(A))

114.4

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย

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Technical Management

Chontichak

Chonticha Subangkoch  
Scientist (3)

Approved by

Supot S

Supot Salamteh  
Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556  
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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 : 4515755108

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 2485408

Date Received : Aug 30, 2024

Date Reported : Sep 04, 2024

Report Number: 3101084-1

Page 1 of 1

Sample Number 2485408-4  
Parameter Noise (Leq 8 hrs.)  
Location Pelletizer  
Measurement Date Aug 29, 2024  
Measurement by Satcha Phetsawaeng

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:52 AM - 10:52 AM	88.2	90.3	87.9
10:52 AM - 11:52 AM	88.8	89.5	88.6
11:52 AM - 12:52 PM	88.7	89.4	88.5
12:52 PM - 01:52 PM	89.5	90.3	89.3
01:52 PM - 02:52 PM	89.7	90.3	89.5
02:52 PM - 03:52 PM	89.1	91.0	88.9
03:52 PM - 04:52 PM	88.1	89.3	88.0
04:52 PM - 05:52 PM	85.9	106.1	82.2

Leq Average 8 hrs. (dB(A))

88.6

Lmax (dB(A))

106.1

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย

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Scientist (3)

Approved by

Supot S

Supot Salamteh  
Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556  
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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 : 4515755108

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 24105339

Date Received : Nov 22, 2024

Date Reported : Nov 27, 2024

Report Number: 3178519-1

Page 1 of 1

Sample Number 24105339-1  
Parameter Noise (Leq 8 hrs.)  
Location MRU  
Measurement Date Nov 22, 2024  
Measurement by Prasarnmit Kueanpet

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:15 AM - 10:15 AM	84.2	86.0	84.1
10:15 AM - 11:15 AM	84.2	85.1	83.9
11:15 AM - 12:15 PM	84.3	85.0	84.1
12:15 PM - 01:15 PM	84.0	84.7	83.8
01:15 PM - 02:15 PM	84.0	84.7	83.9
02:15 PM - 03:15 PM	84.1	84.7	83.9
03:15 PM - 04:15 PM	84.2	86.3	84.1
04:15 PM - 05:15 PM	84.3	84.7	84.2

Leq Average 8 hrs. (dB(A))

84.2

Lmax (dB(A))

86.3

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย  
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Technical Management

Chontichak

Chonticha Subongkoch  
Scientist (3)

Approved by

Supot S

Supot Salamteh  
Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A, Pluakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556  
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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 : 4515755108

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 24105339

Date Received : Nov 22, 2024

Date Reported : Nov 27, 2024

Report Number: 3178520-1

Page 1 of 1

Sample Number 24105339-2  
Parameter Noise (Leq 8 hrs.)  
Location Transfer Blower  
Measurement Date Nov 22, 2024  
Measurement by Prasarnmit Kueanpet

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:22 AM - 10:22 AM	83.2	85.4	79.4
10:22 AM - 11:22 AM	82.3	84.3	77.4
11:22 AM - 12:22 PM	83.8	84.9	83.7
12:22 PM - 01:22 PM	83.9	85.0	83.8
01:22 PM - 02:22 PM	84.0	84.9	83.9
02:22 PM - 03:22 PM	83.9	85.0	83.8
03:22 PM - 04:22 PM	84.2	85.2	84.1
04:22 PM - 05:22 PM	84.4	85.4	84.3

Leq Average 8 hrs. (dB(A))

83.8

Lmax (dB(A))

85.4

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย  
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Technical Management

Chontichak

Chonticha Subongkoch  
Scientist (3)

Approved by

Supot S

Supot Salamteh  
Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A, Pluakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556  
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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 : 4515755108  
Project Name : Environmental Quality Monitoring  
Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 24105339  
Date Received : Nov 22, 2024  
Date Reported : Nov 27, 2024  
Report Number: 3178521-1

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Sample Number 24105339-3  
Parameter Noise (Leq 8 hrs.)  
Location Emergency Generator  
Measurement Date Nov 22, 2024  
Measurement by Prasannit Kueanpet

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:20 AM - 10:20 AM	82.3	84.2	79.9
10:20 AM - 11:20 AM	80.4	85.1	77.9
11:20 AM - 12:20 PM	83.1	86.0	80.0
12:20 PM - 01:20 PM	83.9	85.7	82.2
01:20 PM - 02:20 PM	83.7	85.5	81.5
02:20 PM - 03:20 PM	83.1	85.6	80.9
03:20 PM - 04:20 PM	81.7	84.5	80.0
04:20 PM - 05:20 PM	81.4	84.2	79.0

Leq Average 8 hrs. (dB(A))

82.6

Lmax (dB(A))

86.0

Standard (dB(A))

90

140

Reference Method : ISO 1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย  
ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖

Technical Management

Chontichak

Chonticha Subongkoch  
Scientist (3)

Approved by

Supot S.

Supot Salamteh  
Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Phrakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556  
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S:\Reports\_Air Noise.rpt ( 4:54PM)



## 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 : 4515755108  
Project Name : Environmental Quality Monitoring  
Project Location : Map Ta Phut\_PS (SPCL)

Lot ID: 24105339  
Date Received : Nov 22, 2024  
Date Reported : Nov 27, 2024  
Report Number: 3178522-1

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Sample Number 24105339-4  
Parameter Noise (Leq 8 hrs.)  
Location Pelletizer  
Measurement Date Nov 22, 2024  
Measurement by Prasannit Kueanpet

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:01 AM - 11:01 AM	89.5	91.7	89.1
11:01 AM - 12:01 PM	89.4	90.3	89.2
12:01 PM - 01:01 PM	89.2	90.2	89.0
01:01 PM - 02:01 PM	89.2	90.5	88.8
02:01 PM - 03:01 PM	89.1	90.9	88.6
03:01 PM - 04:01 PM	88.9	90.8	88.6
04:01 PM - 05:01 PM	88.8	90.3	88.5
05:01 PM - 06:01 PM	89.0	90.0	88.7

Leq Average 8 hrs. (dB(A))

89.1

Lmax (dB(A))

91.7

Standard (dB(A))

90

140

Reference Method : ISO 1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย  
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