

ภาคผนวก ค

ใบรับรองผลการตรวจวัดคุณภาพสิ่งแวดล้อม

ภาคผนวก ค-1

คุณภาพอากาศจากแหล่งกำเนิด



Analysis / Test Report

TESTING
No.0042

Client : Siam Polystyrene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4516912284
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2525656

Date Received : Mar 27, 2025
Date Reported : Apr 03, 2025
Report Number: 3260995-1

Page 1 of 2

| | |
|--------------------------------|---|
| Sample Number | 2525656-1 |
| Sampled Date | Mar 27, 2025 |
| Sample Description | Emission from Stationary Source |
| Location | Heater A (GPS 47P 033735, 1404279) |
| Date Analysis Commenced | Mar 28, 2025 |
| Condition of Sample | Extracted into three 2-L collection flasks, one filter paper placed in plastic petri dish, one plastic bottle, one 10-L air sampling bag and one amber plastic bottle, refrigerated |

Stack Description

| | | | | | | | | |
|---------------------|-------------|------|-------------------|--------|----|-----------------------|------|--------|
| Ambient Pressure | 755 | mmHg | Diameter | 0.60 | m | Oxygen | 9.7 | % |
| Ambient Temperature | 31.6 | °C | Shape | Circle | | Carbon Dioxide | 6.4 | % |
| Type of Process | Combustion | | Stack Temperature | 186 | °C | Gas Velocity | 3.6 | m/s |
| Type of Fuel | Natural Gas | | Moisture | 9.86 | % | Flow Rate (Actual O2) | 2135 | Nm3/hr |

| Analyte | Sampled Time | Unit | LOD | LOQ (LOR) | Result at 7 %O ₂ at 9.7 % O ₂ | | Guideline (1) | Guideline (2) | Method | Testing Location |
|-----------------------------|---------------------|-------|-----|-----------|--|-------|---------------|---------------|--|------------------|
| Air Testing | | | | | | | | | | |
| Carbon Monoxide * | 10:50 AM - 11:00 AM | ppm | - | 1.0 | 5.7 | 4.59 | 690 | - | United States Environmental Protection Agency, EPA Method 10 | Rayong |
| Oxides of Nitrogen * | 11:00 AM - 11:13 AM | ppm | - | 1.06 | 73.2 | 58.98 | 200 | 149 | United States Environmental Protection Agency, EPA Method 7 | Rayong |
| Sulfur dioxide * | 10:45 AM - 11:15 AM | ppm | - | 2.0 | <2.0 | <2.0 | 60 | - | United States Environmental Protection Agency, EPA Method 6 | Rayong |
| Total Suspended Particulate | 10:50 AM - 11:32 AM | mg/m3 | - | 0.5 | <0.5 | <0.5 | 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. Chamon.

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

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Analysis / Test Report

TESTING
No.0042

Client : Siam Polystyrene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4516912284
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2525656

Date Received : Mar 27, 2025
Date Reported : Apr 03, 2025
Report Number: 3260995-1

Page 2 of 2

| | |
|--------------------------------|---|
| Sample Number | 2525656-1 |
| Sampled Date | Mar 27, 2025 |
| Sample Description | Emission from Stationary Source |
| Location | Heater A (GPS 47P 033735, 1404279) |
| Date Analysis Commenced | Mar 28, 2025 |
| Condition of Sample | Extracted into three 2-L collection flasks, one filter paper placed in plastic petri dish, one plastic bottle, one 10-L air sampling bag and one amber plastic bottle, refrigerated |

Stack Description

| | | | | | | | | |
|---------------------|-------------|------|-------------------|--------|----|-----------------------|------|--------|
| Ambient Pressure | 755 | mmHg | Diameter | 0.60 | m | Oxygen | 9.7 | % |
| Ambient Temperature | 31.6 | °C | Shape | Circle | | Carbon Dioxide | 6.4 | % |
| Type of Process | Combustion | | Stack Temperature | 186 | °C | Gas Velocity | 3.6 | m/s |
| Type of Fuel | Natural Gas | | Moisture | 9.86 | % | Flow Rate (Actual O2) | 2135 | Nm3/hr |

| Analyte | Sampled Time | Unit | LOD | LOQ (LOR) | Result Emission Rate | Guideline (1) | Guideline (2) | Method | Testing Location |
|-------------------------------|---------------------|------|-----|-----------|----------------------|---------------|---------------|------------|------------------|
| Air Testing | | | | | | | | | |
| Carbon Monoxide * | 10:50 AM - 11:00 AM | g/s | - | - | 0.003 | - | - | Calculated | Rayong |
| Oxides of Nitrogen * | 11:00 AM - 11:13 AM | g/s | - | - | 0.066 | - | 0.37 | Calculated | Rayong |
| Sulfur dioxide * | 10:45 AM - 11:15 AM | g/s | - | - | <0.003 | - | - | Calculated | Rayong |
| Total Suspended Particulate * | 10:50 AM - 11:32 AM | g/s | - | - | <0.0003 | - | 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 : Sittipan Sanachiw ทะเบียนเลขที่ ว-323-จ-0009

Remark :

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

Technical Management

Thanita K.

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Scientist (4)
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Approved by

D. Changchon.

Dej Changchon
Senior Manager
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ภาคผนวก ค-2

คุณภาพอากาศในบรรยากาศ



Analysis / Test Report

TESTING
No.0042

Client : Siam Polystyrene Co., Ltd.

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

P/O : 4516912284

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2525651

Date Received : Apr 01, 2025

Date Reported : Apr 07, 2025

Report Number: 3260990-1

Page 1 of 1

| Sample Description | Air Quality | | | |
|--------------------------------|---|-------------------------------------|-----------------------------|------------------------------|
| Location | ริมรั้วด้านทิศตะวันตกของบริษัท ปิ๊ยเอ็นเอฟซี จำกัด (มหาชน) (GPS 47P 0731964, 1403752) | | | |
| Date Analysis Commenced | Apr 02, 2025 | | | |
| 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) |
| 2525651-1 | Mar 24 - Mar 25, 2025 | 0.078 | 756* | 30.8* |
| 2525651-2 | Mar 25 - Mar 26, 2025 | 0.105 | 756* | 31.2* |
| 2525651-3 | Mar 26 - Mar 27, 2025 | 0.075 | 756* | 30.9* |
| 2525651-4 | Mar 27 - Mar 28, 2025 | 0.080 | 756* | 30.5* |
| 2525651-5 | Mar 28 - Mar 29, 2025 | 0.061 | 756* | 31.4* |
| 2525651-6 | Mar 29 - Mar 30, 2025 | 0.057 | 756* | 32.0* |
| 2525651-7 | Mar 30 - Mar 31, 2025 | 0.046 | 756* | 30.1* |
| Guideline | | 0.33 | - | - |

Reference Method

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

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

Sampled By : Sitpawit Suwannarat

Remark : Result (s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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Analysis / Test Report

TESTING
No.0042

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

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2525665

Date Received : Apr 01, 2025

Date Reported : Apr 09, 2025

Report Number : 3261024-1C8

Page 1 of 1

| | |
|--------------------------------|---|
| Sample Description | Air Quality |
| Location | บ้านอ่าวประดู่ (โรงพยาบาลส่งเสริมสุขภาพตำบลตากวน) (GPS 47P 0735531, 1402769) |
| Date Analysis Commenced | Apr 02, 2025 |
| Condition of Sample | Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag |

| Sample Number | Sampled Date | Total Suspended Particulate (mg/m3) | Barometric Pressure (mm Hg) | Atmospheric Temperature (°C) |
|------------------|-----------------------|--|--------------------------------|---------------------------------|
| 2525665-1 | Mar 24 - Mar 25, 2025 | 0.067 | 756 | 31 |
| 2525665-2 | Mar 25 - Mar 26, 2025 | 0.058 | 756 | 31 |
| 2525665-3 | Mar 26 - Mar 27, 2025 | 0.056 | 756 | 31 |
| 2525665-4 | Mar 27 - Mar 28, 2025 | 0.053 | 756 | 31 |
| 2525665-5 | Mar 28 - Mar 29, 2025 | 0.049 | 756 | 31 |
| 2525665-6 | Mar 29 - Mar 30, 2025 | 0.050 | 756 | 32 |
| 2525665-7 | Mar 30 - Mar 31, 2025 | 0.046 | 756 | 30 |
| 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 : Sitpawit Suwannarat

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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Analysis / Test Report

TESTING
No.0042

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

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2525666

Date Received : Apr 01, 2025

Date Reported : Apr 09, 2025

Report Number : 3261027-1C8

Page 1 of 1

| | |
|--------------------------------|---|
| Sample Description | Air Quality |
| Location | บ้านนาบตาพุด (GPS 47P 0735346, 1406705) |
| Date Analysis Commenced | Apr 02, 2025 |
| Condition of Sample | Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag |

| Sample Number | Sampled Date | Total Suspended Particulate (mg/m3) | Barometric Pressure (mm Hg) | Atmospheric Temperature (°C) |
|------------------|-----------------------|--|--------------------------------|---------------------------------|
| 2525666-1 | Mar 24 - Mar 25, 2025 | 0.072 | 756 | 31 |
| 2525666-2 | Mar 25 - Mar 26, 2025 | 0.062 | 756 | 31 |
| 2525666-3 | Mar 26 - Mar 27, 2025 | 0.063 | 756 | 31 |
| 2525666-4 | Mar 27 - Mar 28, 2025 | 0.058 | 756 | 31 |
| 2525666-5 | Mar 28 - Mar 29, 2025 | 0.051 | 756 | 31 |
| 2525666-6 | Mar 29 - Mar 30, 2025 | 0.053 | 756 | 32 |
| 2525666-7 | Mar 30 - Mar 31, 2025 | 0.046 | 756 | 30 |
| 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 : Sitpawit Suwannarat

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

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

P/O : 4516912284

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2525649

Date Received : Apr 01, 2025

Date Reported : Apr 03, 2025

Report Number: 3260985-1

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| | | | | | | | |
|---------------------------|---|--------------|--------------|--------------|--------------|--------------|--------------|
| Sample Description | Air Quality | | | | | | |
| Location | ริมรั้วด้านทิศตะวันตกของบรืษัท ปิ๊ยเอ็นเอพีฯ จำกัด (มหาชน) (GPS 47P 0731964, 1403752) | | | | | | |
| Parameter | Nitrogen dioxide (ppm) | | | | | | |
| Measurement Date | Mar 24, 2025 - Mar 31, 2025 | | | | | | |
| Measurement by | Sitpawit Suwannarat | | | | | | |
| | 2525649-1 | 2525649-2 | 2525649-3 | 2525649-4 | 2525649-5 | 2525649-6 | 2525649-7 |
| Time | Mar 24, 2025 | Mar 25, 2025 | Mar 26, 2025 | Mar 27, 2025 | Mar 28, 2025 | Mar 29, 2025 | Mar 30, 2025 |
| 12:00 PM - 01:00 PM | 0.0023 | 0.0016 | 0.0012 | 0.0033 | 0.0022 | 0.0029 | 0.0029 |
| 01:00 PM - 02:00 PM | 0.0019 | 0.0031 | 0.0026 | 0.0070 | 0.0032 | 0.0054 | 0.0044 |
| 02:00 PM - 03:00 PM | 0.0028 | 0.0047 | 0.0031 | 0.0038 | 0.0046 | 0.0062 | 0.0035 |
| 03:00 PM - 04:00 PM | 0.0021 | 0.0054 | 0.0053 | 0.0028 | 0.0036 | 0.0029 | 0.0018 |
| 04:00 PM - 05:00 PM | 0.0010 | 0.0058 | 0.0053 | 0.0078 | 0.0032 | 0.0023 | 0.0020 |
| 05:00 PM - 06:00 PM | 0.0018 | 0.0051 | 0.0069 | 0.0081 | 0.0043 | 0.0022 | 0.0023 |
| 06:00 PM - 07:00 PM | 0.0015 | 0.0014 | 0.0045 | 0.0024 | 0.0053 | 0.0052 | 0.0045 |
| 07:00 PM - 08:00 PM | 0.0013 | 0.0026 | 0.0028 | 0.0028 | 0.0080 | 0.0023 | 0.0054 |
| 08:00 PM - 09:00 PM | 0.0003 | 0.0030 | 0.0038 | 0.0038 | 0.0074 | 0.0034 | 0.0056 |
| 09:00 PM - 10:00 PM | 0.0005 | 0.0033 | 0.0025 | 0.0032 | 0.0127 | 0.0056 | 0.0039 |
| 10:00 PM - 11:00 PM | 0.0008 | 0.0035 | 0.0036 | 0.0045 | 0.0075 | 0.0048 | 0.0141 |
| 11:00 PM - 12:00 AM | 0.0005 | 0.0025 | 0.0040 | 0.0056 | 0.0056 | 0.0052 | 0.0162 |
| 12:00 AM - 01:00 AM | 0.0028 | 0.0028 | 0.0027 | 0.0038 | 0.0043 | 0.0035 | 0.0167 |
| 01:00 AM - 02:00 AM | 0.0047 | 0.0031 | 0.0028 | 0.0048 | 0.0033 | 0.0010 | 0.0178 |
| 02:00 AM - 03:00 AM | 0.0042 | 0.0019 | 0.0026 | 0.0042 | 0.0038 | 0.0042 | 0.0169 |
| 03:00 AM - 04:00 AM | 0.0029 | 0.0002 | 0.0032 | 0.0059 | 0.0040 | 0.0029 | 0.0128 |
| 04:00 AM - 05:00 AM | 0.0028 | 0.0033 | 0.0025 | 0.0071 | 0.0049 | 0.0026 | 0.0141 |
| 05:00 AM - 06:00 AM | 0.0012 | 0.0035 | 0.0034 | 0.0038 | 0.0047 | 0.0048 | 0.0128 |
| 06:00 AM - 07:00 AM | 0.0034 | 0.0033 | 0.0029 | 0.0053 | 0.0048 | 0.0028 | 0.0137 |
| 07:00 AM - 08:00 AM | 0.0073 | 0.0046 | 0.0045 | 0.0043 | 0.0070 | 0.0035 | 0.0124 |
| 08:00 AM - 09:00 AM | 0.0077 | 0.0059 | 0.0062 | 0.0051 | 0.0085 | 0.0037 | 0.0157 |
| 09:00 AM - 10:00 AM | 0.0060 | 0.0053 | 0.0072 | 0.0040 | 0.0069 | 0.0028 | 0.0169 |
| 10:00 AM - 11:00 AM | 0.0062 | 0.0055 | 0.0062 | 0.0033 | 0.0048 | 0.0035 | 0.0128 |
| 11:00 AM - 12:00 PM | 0.0037 | 0.0040 | 0.0061 | 0.0033 | 0.0036 | 0.0075 | 0.0110 |
| Average | 0.0029 | 0.0036 | 0.0040 | 0.0046 | 0.0053 | 0.0038 | 0.0100 |
| 1hr - Maximum | 0.0077 | 0.0059 | 0.0072 | 0.0081 | 0.0127 | 0.0075 | 0.0178 |
| 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 EPAMethod Part 50 App. F (Chemiluminescence)

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Approved by

Orawan R.

Orawan Rakyong

Scientist (3)

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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

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

P/O : 4503132058

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID: 2525660

Date Received : Apr 01, 2025

Date Reported : Apr 03, 2025

Report Number: 3261019-1C8

Page 1 of 1

| | | | | | | | |
|---------------------------|--|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| Sample Description | Air Quality | | | | | | |
| Location | บ้านอ่าวประดู่ (โรงพยาบาลส่งเสริมสุขภาพตำบลตากวน) (GPS 47P 0735531, 1402769) | | | | | | |
| Parameter | Nitrogen dioxide (ppm) | | | | | | |
| Measurement Date | Mar 24, 2025 - Mar 31, 2025 | | | | | | |
| Measurement by | Sitpawit Suwannarat | | | | | | |
| | 2525660-1 Mar 24, 2025 | 2525660-2 Mar 25, 2025 | 2525660-3 Mar 26, 2025 | 2525660-4 Mar 27, 2025 | 2525660-5 Mar 28, 2025 | 2525660-6 Mar 29, 2025 | 2525660-7 Mar 30, 2025 |
| Time | | | | | | | |
| 11:00 AM - 12:00 PM | 0.0150 | 0.0039 | 0.0037 | 0.0035 | 0.0031 | 0.0033 | 0.0056 |
| 12:00 PM - 01:00 PM | 0.0127 | 0.0024 | 0.0032 | 0.0020 | 0.0032 | 0.0020 | 0.0040 |
| 01:00 PM - 02:00 PM | 0.0034 | 0.0024 | 0.0049 | 0.0021 | 0.0068 | 0.0016 | 0.0043 |
| 02:00 PM - 03:00 PM | 0.0044 | 0.0032 | 0.0040 | 0.0017 | 0.0071 | 0.0013 | 0.0074 |
| 03:00 PM - 04:00 PM | 0.0030 | 0.0031 | 0.0039 | 0.0017 | 0.0097 | 0.0016 | 0.0022 |
| 04:00 PM - 05:00 PM | 0.0030 | 0.0021 | 0.0018 | 0.0017 | 0.0081 | 0.0014 | 0.0031 |
| 05:00 PM - 06:00 PM | 0.0035 | 0.0019 | 0.0016 | 0.0018 | 0.0042 | 0.0024 | 0.0025 |
| 06:00 PM - 07:00 PM | 0.0035 | 0.0022 | 0.0022 | 0.0017 | 0.0072 | 0.0021 | 0.0026 |
| 07:00 PM - 08:00 PM | 0.0045 | 0.0033 | 0.0032 | 0.0031 | 0.0078 | 0.0053 | 0.0033 |
| 08:00 PM - 09:00 PM | 0.0050 | 0.0046 | 0.0048 | 0.0044 | 0.0088 | 0.0079 | 0.0039 |
| 09:00 PM - 10:00 PM | 0.0054 | 0.0049 | 0.0047 | 0.0048 | 0.0114 | 0.0064 | 0.0066 |
| 10:00 PM - 11:00 PM | 0.0037 | 0.0031 | 0.0035 | 0.0023 | 0.0122 | 0.0040 | 0.0046 |
| 11:00 PM - 12:00 AM | 0.0037 | 0.0027 | 0.0027 | 0.0019 | 0.0068 | 0.0031 | 0.0042 |
| 12:00 AM - 01:00 AM | 0.0018 | 0.0019 | 0.0021 | 0.0015 | 0.0044 | 0.0023 | 0.0040 |
| 01:00 AM - 02:00 AM | 0.0022 | 0.0018 | 0.0019 | 0.0010 | 0.0041 | 0.0015 | 0.0049 |
| 02:00 AM - 03:00 AM | 0.0013 | 0.0014 | 0.0015 | 0.0009 | 0.0031 | 0.0017 | 0.0050 |
| 03:00 AM - 04:00 AM | 0.0011 | 0.0010 | 0.0008 | 0.0007 | 0.0029 | 0.0009 | 0.0059 |
| 04:00 AM - 05:00 AM | 0.0018 | 0.0010 | 0.0007 | 0.0009 | 0.0027 | 0.0007 | 0.0052 |
| 05:00 AM - 06:00 AM | 0.0012 | 0.0012 | 0.0009 | 0.0006 | 0.0016 | 0.0006 | 0.0053 |
| 06:00 AM - 07:00 AM | 0.0017 | 0.0015 | 0.0013 | 0.0007 | 0.0017 | 0.0006 | 0.0055 |
| 07:00 AM - 08:00 AM | 0.0040 | 0.0014 | 0.0021 | 0.0014 | 0.0027 | 0.0013 | 0.0053 |
| 08:00 AM - 09:00 AM | 0.0124 | 0.0038 | 0.0037 | 0.0036 | 0.0039 | 0.0020 | 0.0058 |
| 09:00 AM - 10:00 AM | 0.0153 | 0.0060 | 0.0058 | 0.0061 | 0.0078 | 0.0081 | 0.0062 |
| 10:00 AM - 11:00 AM | 0.0073 | 0.0053 | 0.0052 | 0.0074 | 0.0068 | 0.0048 | 0.0060 |
| Average | 0.0050 | 0.0028 | 0.0029 | 0.0024 | 0.0058 | 0.0028 | 0.0047 |
| 1hr - Maximum | 0.0153 | 0.0060 | 0.0058 | 0.0074 | 0.0122 | 0.0081 | 0.0074 |
| Standard 1hr - Average | 0.170 | 0.170 | 0.170 | 0.170 | 0.170 | 0.170 | 0.170 |

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

Reference Method : US EPAMethod 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



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 : 43000vvQD5

Project Name :

Project Location :

Lot ID: 2525664

cate Re6ei9ed : Apr 01, 2025

cate Reported : Apr 0v, 2025

Report Number: v2Q1021-1C8

Page 1 of 1

| | | | | | | | |
|---------------------------|---------------------------------------|--------------|-------------|--------------|--------------|--------------|--------------|
| Sample Description | Air (uality | | | | | | |
| Location | บ้านนาตาพูด)GPS 43P 03v5v4Q 140Q8057 | | | | | | |
| Parameter | Nitrogen dioxide)ppm7 | | | | | | |
| Measurement Date | Mar 24, 2025 - Mar v1, 2025 | | | | | | |
| Measurement by | Sitpawit Suwannarat | | | | | | |
| | 2525QQ4-1 | 2525QQ4-2 | 2525QQ4-v | 2525QQ4-4 | 2525QQ4-5 | 2525QQ4-Q | 2525QQ4-3 |
| Time | Mar 24, 2025 | Mar 25, 2025 | Mar 2Q 2025 | Mar 23, 2025 | Mar 28, 2025 | Mar 2D, 2025 | Mar v0, 2025 |
| 10:00 AM - 11:00 AM | 0.0113 | 0.0148 | 0.0101 | 0.01v5 | 0.02v3 | 0.0143 | 0.003D |
| 11:00 AM - 12:00 PM | 0.01vv | 0.0134 | 0.00D3 | 0.013Q | 0.0223 | 0.01Q0 | 0.00D5 |
| 12:00 PM - 01:00 PM | 0.01v2 | 0.0132 | 0.008D | 0.015Q | 0.01D1 | 0.00D5 | 0.0085 |
| 01:00 PM - 02:00 PM | 0.01Q5 | 0.0152 | 0.0143 | 0.0030 | 0.01v2 | 0.008v | 0.00D4 |
| 02:00 PM - 0v:00 PM | 0.0103 | 0.0030 | 0.0132 | 0.0052 | 0.0115 | 0.0200 | 0.0123 |
| 0v:00 PM - 04:00 PM | 0.0082 | 0.0055 | 0.0122 | 0.004D | 0.0243 | 0.022D | 0.00DQ |
| 04:00 PM - 05:00 PM | 0.00Q3 | 0.0055 | 0.00D4 | 0.0052 | 0.02v8 | 0.01Q0 | 0.0101 |
| 05:00 PM - 0Q:00 PM | 0.0034 | 0.00Q3 | 0.0085 | 0.0080 | 0.0131 | 0.01v8 | 0.012v |
| 0Q:00 PM - 03:00 PM | 0.00D1 | 0.0081 | 0.0080 | 0.0030 | 0.0110 | 0.012D | 0.00D2 |
| 03:00 PM - 08:00 PM | 0.008Q | 0.0058 | 0.0058 | 0.005D | 0.0103 | 0.012Q | 0.0031 |
| 08:00 PM - 0D:00 PM | 0.0052 | 0.0050 | 0.0053 | 0.00v8 | 0.0102 | 0.00Q1 | 0.0052 |
| 0D:00 PM - 10:00 PM | 0.010D | 0.00v2 | 0.0045 | 0.002D | 0.0038 | 0.004v | 0.0052 |
| 10:00 PM - 11:00 PM | 0.00v4 | 0.002Q | 0.002D | 0.002v | 0.004Q | 0.00vD | 0.0031 |
| 11:00 PM - 12:00 AM | 0.0040 | 0.002v | 0.001D | 0.0013 | 0.004v | 0.00v5 | 0.0030 |
| 12:00 AM - 01:00 AM | 0.0043 | 0.001Q | 0.001Q | 0.0013 | 0.0040 | 0.002v | 0.0030 |
| 01:00 AM - 02:00 AM | 0.004v | 0.001Q | 0.0018 | 0.0012 | 0.0041 | 0.0013 | 0.00Q3 |
| 02:00 AM - 0v:00 AM | 0.0041 | 0.0018 | 0.001Q | 0.0012 | 0.00v5 | 0.0020 | 0.00QQ |
| 0v:00 AM - 04:00 AM | 0.008Q | 0.002Q | 0.002D | 0.0028 | 0.00vQ | 0.0022 | 0.00QQ |
| 04:00 AM - 05:00 AM | 0.005Q | 0.004v | 0.00v8 | 0.00v8 | 0.005Q | 0.00v0 | 0.0030 |
| 05:00 AM - 0Q:00 AM | 0.0034 | 0.0088 | 0.0030 | 0.0088 | 0.0083 | 0.00Q2 | 0.00Q4 |
| 0Q:00 AM - 03:00 AM | 0.0041 | 0.00D4 | 0.003v | 0.011v | 0.010Q | 0.0120 | 0.0031 |
| 03:00 AM - 08:00 AM | 0.0058 | 0.0088 | 0.00Q2 | 0.01Q8 | 0.0030 | 0.0125 | 0.008v |
| 08:00 AM - 0D:00 AM | 0.0101 | 0.0102 | 0.008v | 0.0121 | 0.00Q8 | 0.01v1 | 0.00D2 |
| 0D:00 AM - 10:00 AM | 0.005v | 0.00QQ | 0.003Q | 0.01vD | 0.0082 | 0.0144 | 0.0121 |
| A9erage | 0.003D | 0.0032 | 0.0030 | 0.003v | 0.0111 | 0.00D3 | 0.0082 |
| 1hr - Maximum | 0.01Q5 | 0.0134 | 0.0132 | 0.013Q | 0.0243 | 0.022D | 0.0123 |
| Standard 1hr - A9erage | 0.130 | 0.130 | 0.130 | 0.130 | 0.130 | 0.130 | 0.130 |

Standard : Notification of the National En9ironment Board No. vv, 200D)B.E. 25527.

Referen6e Method : US EPAMethod Part 50 App. F)Chemilumines6en6e7

The abo9e results are 9alid only for the analyzed/tested sample)s7 as indigated in this report. No part of this report or 6ertificate may be reproduced in any form without written 6onsent from the Laboratory. ALS Laboratory Group)Thailand7 strongly re6ommends that this report is not reproduced except in full.

Approved by

Orawan R.

Orawan Rakyong

Scientist)v7

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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: 2525650

Date Received :Apr 01, 2025

Date Reported :Apr 08, 2025

Report Number :3260987-1

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Page 1 of 2

Sample Number 2525650-1 to 7
Parameter Wind Speed / Wind Direction
Location ริมรั้วด้านทิศตะวันตกของบรืษัท ปิ๊ยเอ็นเอพี จํากัด (มหาชน) (GPS 47P 0731964, 1403752)
Sampling Date Mar 24 - Mar 31, 2025
Sampling by Sitpawit Suwannarat

| Time | Mar 24 - Mar 25, 2025 | | | Mar 25 - Mar 26, 2025 | | | Mar 26 - Mar 27, 2025 | | | Mar 27 - Mar 28, 2025 | | | Mar 28 - Mar 29, 2025 | | | Mar 29 - Mar 30, 2025 | | | Mar 30 - Mar 31, 2025 | | |
|---------------------|-----------------------|-------------|-----|-----------------------|-------------|-----|-----------------------|-------------|-----|-----------------------|-------------|-----|-----------------------|-------------|-----|-----------------------|-------------|-----|-----------------------|-------------|-----|
| | WS (m/s) | WD (deg) | | WS (m/s) | WD (deg) | | WS (m/s) | WD (deg) | | WS (m/s) | WD (deg) | | WS (m/s) | WD (deg) | | WS (m/s) | WD (deg) | | WS (m/s) | WD (deg) | |
| 12:00 PM - 01:00 PM | 0.6 | 114.0 | ESE | 9.8 | 267.0 | W | 6.2 | 308.0 | NW | 7.0 | 245.0 | WSW | 9.2 | 274.0 | W | 3.7 | 245.0 | WSW | 0.7 | 237.0 | WSW |
| 01:00 PM - 02:00 PM | 6.0 | 246.0 | WSW | 4.6 | 232.0 | SW | 5.7 | 254.0 | WSW | 5.2 | 142.0 | SE | 5.9 | 184.0 | S | 7.9 | 197.0 | SSW | 3.1 | 194.0 | SSW |
| 02:00 PM - 03:00 PM | 9.4 | 207.0 | SSW | 3.9 | 207.0 | SSW | 3.8 | 239.0 | WSW | 5.2 | 181.0 | S | 8.8 | 241.0 | WSW | 11.2 | 165.0 | SSE | 2.9 | 210.0 | SSW |
| 03:00 PM - 04:00 PM | 5.0 | 211.0 | SSW | 6.5 | 194.0 | SSW | 4.7 | 221.0 | SW | 7.8 | 275.0 | W | 4.8 | 220.0 | SW | 2.4 | 276.0 | W | 2.7 | 204.0 | SSW |
| 04:00 PM - 05:00 PM | 4.4 | 243.0 | WSW | 5.5 | 152.0 | SSE | 5.4 | 290.0 | WNW | 10.7 | 221.0 | SW | 6.3 | 260.0 | W | 11.0 | 251.0 | WSW | 6.3 | 253.0 | WSW |
| 05:00 PM - 06:00 PM | 2.1 | 203.0 | SSW | 9.7 | 133.0 | SE | 2.7 | 171.0 | S | 4.0 | 198.0 | SSW | 7.4 | 259.0 | W | 4.4 | 227.0 | SW | 4.3 | 251.0 | WSW |
| 06:00 PM - 07:00 PM | 4.7 | 241.0 | WSW | 6.7 | 171.0 | S | 6.1 | 274.0 | W | 3.5 | 291.0 | WNW | 8.2 | 264.0 | W | 3.5 | 249.0 | WSW | 1.7 | 218.0 | SW |
| 07:00 PM - 08:00 PM | 0.3 | 221.0 | SW | 4.2 | 245.0 | WSW | 6.3 | 203.0 | SSW | 9.0 | 188.0 | S | 3.1 | 208.0 | SSW | 2.8 | 254.0 | WSW | 0.3 | 256.0 | WSW |
| 08:00 PM - 09:00 PM | 0.8 | 340.0 | NNW | 4.6 | 204.0 | SSW | 5.6 | 207.0 | SSW | 8.0 | 196.0 | SSW | 2.5 | 229.0 | SW | 2.7 | 265.0 | W | 3.5 | 206.0 | SSW |
| 09:00 PM - 10:00 PM | 0.8 | 291.0 | WNW | 2.9 | 207.0 | SSW | 3.6 | 219.0 | SW | 4.0 | 164.0 | SSE | 1.8 | 170.0 | S | 3.2 | 191.0 | S | 4.0 | 261.0 | W |
| 10:00 PM - 11:00 PM | 2.1 | 204.0 | SSW | 2.4 | 182.0 | S | 4.1 | 181.0 | S | 3.3 | 195.0 | SSW | 2.5 | 166.0 | SSE | 5.0 | 184.0 | S | 2.6 | 183.0 | S |
| 11:00 PM - 12:00 AM | 3.0 | 217.0 | SW | 6.7 | 274.0 | W | 1.2 | 216.0 | SW | 3.2 | 210.0 | SSW | 1.8 | 201.0 | SSW | 2.4 | 168.0 | SSE | 0.3 | 16.0 | NNE |
| 12:00 AM - 01:00 AM | 6.9 | 251.0 | WSW | 3.8 | 165.0 | SSE | 3.3 | 190.0 | S | 2.2 | 142.0 | SE | 5.2 | 171.0 | S | 2.4 | 167.0 | SSE | 0.3 | 9.0 | N |
| 01:00 AM - 02:00 AM | 4.4 | 227.0 | SW | 5.0 | 244.0 | WSW | 6.3 | 201.0 | SSW | 9.1 | 223.0 | SW | 4.6 | 232.0 | SW | 5.5 | 194.0 | SSW | 0.3 | 127.0 | SE |
| 02:00 AM - 03:00 AM | 4.0 | 152.0 | SSE | 4.4 | 153.0 | SSE | 7.0 | 204.0 | SSW | 4.5 | 208.0 | SSW | 3.4 | 231.0 | SW | 5.2 | 220.0 | SW | 0.3 | 255.0 | WSW |
| 03:00 AM - 04:00 AM | 2.6 | 293.0 | WNW | 2.4 | 252.0 | WSW | 5.0 | 193.0 | SSW | 7.8 | 179.0 | S | 4.6 | 203.0 | SSW | 3.7 | 218.0 | SW | 0.6 | 139.0 | SE |
| 04:00 AM - 05:00 AM | 4.2 | 230.0 | SW | 4.0 | 249.0 | WSW | 3.1 | 227.0 | SW | 2.5 | 207.0 | SSW | 5.8 | 157.0 | SSE | 6.5 | 182.0 | S | 3.2 | 144.0 | SE |
| 05:00 AM - 06:00 AM | 4.1 | 254.0 | WSW | 5.0 | 197.0 | SSW | 4.3 | 155.0 | SSE | 4.5 | 265.0 | W | 2.6 | 199.0 | SSW | 5.1 | 233.0 | SW | 1.0 | 55.0 | NE |
| 06:00 AM - 07:00 AM | 4.0 | 272.0 | W | 5.8 | 202.0 | SSW | 1.2 | 158.0 | SSE | 5.6 | 242.0 | WSW | 2.7 | 198.0 | SSW | 8.8 | 210.0 | SSW | 0.6 | 27.0 | NNE |
| 07:00 AM - 08:00 AM | 5.4 | 259.0 | W | 8.8 | 165.0 | SSE | 1.7 | 176.0 | S | 4.2 | 253.0 | WSW | 6.3 | 238.0 | WSW | 4.1 | 226.0 | SW | 4.6 | 29.0 | NNE |
| 08:00 AM - 09:00 AM | 2.2 | 192.0 | SSW | 8.8 | 253.0 | WSW | 4.6 | 158.0 | SSE | 5.0 | 242.0 | WSW | 3.2 | 175.0 | S | 4.5 | 257.0 | WSW | 3.7 | 45.0 | NE |
| 09:00 AM - 10:00 AM | 2.5 | 188.0 | S | 3.4 | 182.0 | S | 5.1 | 219.0 | SW | 4.7 | 233.0 | SW | 5.1 | 217.0 | SW | 5.6 | 304.0 | NW | 8.5 | 2.0 | N |
| 10:00 AM - 11:00 AM | 5.4 | 217.0 | SW | 5.4 | 290.0 | WNW | 3.9 | 214.0 | SW | 4.3 | 217.0 | SW | 6.6 | 184.0 | S | 2.9 | 270.0 | W | 3.1 | 10.0 | N |
| 11:00 AM - 12:00 PM | 3.5 | 220.0 | SW | 6.9 | 254.0 | WSW | 2.8 | 88.0 | E | 9.3 | 255.0 | WSW | 6.2 | 266.0 | W | 7.3 | 264.0 | W | 2.3 | 16.0 | NNE |

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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

Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

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

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2525650

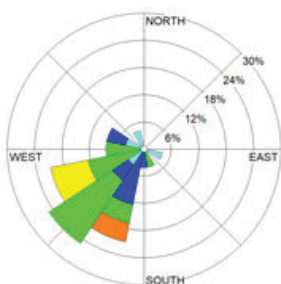
Date Received : Apr 01, 2025

Date Reported : Apr 08, 2025

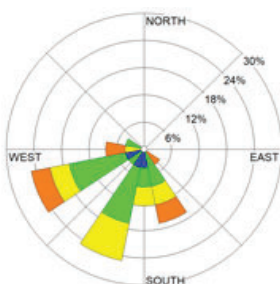
Report Number : 3260987-1

Page 2 of 2

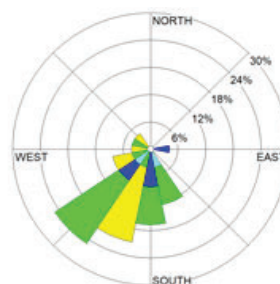
Wind Rose



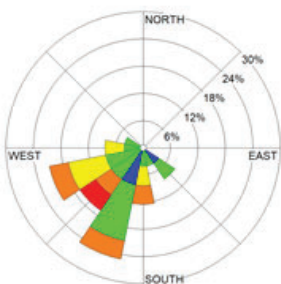
Date : Mar 24-25, 2025



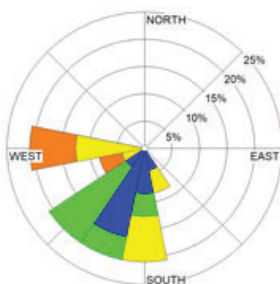
Date : Mar 25-26, 2025



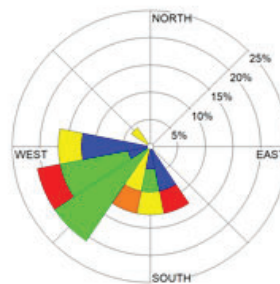
Date : Mar 26-27, 2025



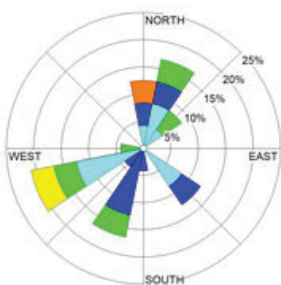
Date : Mar 27-28, 2025



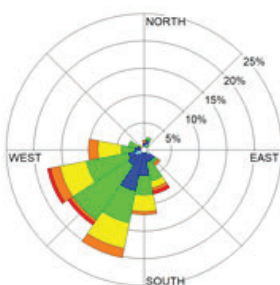
Date : Mar 28-29, 2025



Date : Mar 29-30, 2025



Date : Mar 30-31, 2025



Date : Mar 24-31, 2025

| WS (m/s) | % |
|----------|-------|
| ≥ 10.0 | 1.79 |
| 8.0-10.0 | 8.33 |
| 5.5-8.0 | 19.05 |
| 3.3-5.5 | 38.69 |
| 1.7-3.3 | 23.21 |
| 0.3-1.7 | 8.93 |
| Calms | 0.00 |

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

Approved by

Sarayuth Jitranont
Assistant General Manager



Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

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

Lot ID: 2525667

Date Received : Apr 01, 2025

Date Reported : Apr 08, 2025

Report Number : 3261028-1 C8

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Page 1 of 2

Sample Number 2525667-1 to 7
Parameter Wind Speed / Wind Direction
Location บ้านอ่าวประดู่ (โรงพยาบาลส่งเสริมสุขภาพตบลดาควน) (GPS 47P 0735531, 1402769)
Sampling Date Mar 24 - Mar 31, 2025
Sampling by Sitpawit Suwannarat

| Time | Mar 24 - Mar 25, 2025 | | | Mar 25 - Mar 26, 2025 | | | Mar 26 - Mar 27, 2025 | | | Mar 27 - Mar 28, 2025 | | | Mar 28 - Mar 29, 2025 | | | Mar 29 - Mar 30, 2025 | | | Mar 30 - Mar 31, 2025 | | |
|---------------------|-----------------------|-------------|-----|-----------------------|-------------|-----|-----------------------|-------------|-----|-----------------------|-------------|-----|-----------------------|-------------|-----|-----------------------|-------------|-----|-----------------------|-------------|-----|
| | WS (m/s) | WD (deg) | | WS (m/s) | WD (deg) | | WS (m/s) | WD (deg) | | WS (m/s) | WD (deg) | | WS (m/s) | WD (deg) | | WS (m/s) | WD (deg) | | WS (m/s) | WD (deg) | |
| 11:00 AM - 12:00 PM | 0.3 | 130.0 | SE | 0.4 | 130.0 | SE | 2.0 | 136.0 | SE | 1.8 | 218.0 | SW | 0.4 | 71.0 | ENE | 2.0 | 169.0 | S | 2.4 | 167.0 | SSE |
| 12:00 PM - 01:00 PM | 0.3 | 182.0 | S | 0.3 | 148.0 | SSE | 0.3 | 120.0 | ESE | 0.3 | 137.0 | SE | 1.0 | 106.0 | ESE | 2.5 | 153.0 | SSE | 0.3 | 139.0 | SE |
| 01:00 PM - 02:00 PM | 1.3 | 102.0 | ESE | 1.0 | 128.0 | SE | 1.9 | 146.0 | SE | 0.7 | 156.0 | SSE | 1.0 | 149.0 | SSE | 1.2 | 159.0 | SSE | 2.4 | 96.0 | E |
| 02:00 PM - 03:00 PM | 2.4 | 99.0 | E | 1.0 | 152.0 | SSE | 0.3 | 142.0 | SE | 0.7 | 142.0 | SE | 0.9 | 189.0 | S | 0.3 | 140.0 | SE | 1.7 | 101.0 | E |
| 03:00 PM - 04:00 PM | 1.8 | 68.0 | ENE | 0.2 | - | - | 1.0 | 147.0 | SSE | 1.0 | 149.0 | SSE | 1.1 | 174.0 | S | 0.6 | 131.0 | SE | 0.6 | 141.0 | SE |
| 04:00 PM - 05:00 PM | 0.3 | 136.0 | SE | 2.1 | 124.0 | SE | 1.6 | 122.0 | ESE | 1.6 | 124.0 | SE | 0.7 | 144.0 | SE | 0.7 | 116.0 | ESE | 1.1 | 140.0 | SE |
| 05:00 PM - 06:00 PM | 0.3 | 117.0 | ESE | 0.3 | 133.0 | SE | 0.4 | 164.0 | SSE | 1.6 | 116.0 | ESE | 0.3 | 157.0 | SSE | 0.3 | 143.0 | SE | 0.4 | 144.0 | SE |
| 06:00 PM - 07:00 PM | 0.8 | 98.0 | E | 0.3 | 136.0 | SE | 0.4 | 145.0 | SE | 0.6 | 182.0 | S | 0.3 | 139.0 | SE | 0.3 | 104.0 | ESE | 0.3 | 151.0 | SSE |
| 07:00 PM - 08:00 PM | 0.4 | 124.0 | SE | 0.4 | 165.0 | SSE | 0.7 | 144.0 | SE | 0.9 | 151.0 | SSE | 0.3 | 128.0 | SE | 0.6 | 120.0 | ESE | 0.3 | 193.0 | SSW |
| 08:00 PM - 09:00 PM | 0.4 | 141.0 | SE | 0.9 | 108.0 | ESE | 0.3 | 114.0 | ESE | 0.3 | 140.0 | SE | 0.3 | 155.0 | SSE | 0.6 | 143.0 | SE | 0.3 | 215.0 | SW |
| 09:00 PM - 10:00 PM | 0.3 | 145.0 | SE | 1.8 | 170.0 | S | 0.4 | 137.0 | SE | 0.8 | 146.0 | SE | 0.5 | 136.0 | SE | 0.3 | 164.0 | SSE | 0.6 | 222.0 | SW |
| 10:00 PM - 11:00 PM | 0.4 | 148.0 | SSE | 1.1 | 135.0 | SE | 0.3 | 112.0 | ESE | 0.3 | 159.0 | SSE | 0.3 | 126.0 | SE | 0.3 | 128.0 | SE | 0.6 | 0.0 | N |
| 11:00 PM - 12:00 AM | 0.3 | 111.0 | ESE | 0.4 | 161.0 | SSE | 1.5 | 133.0 | SE | 0.5 | 159.0 | SSE | 0.5 | 122.0 | ESE | 0.5 | 141.0 | SE | 0.3 | 225.0 | SW |
| 12:00 AM - 01:00 AM | 0.3 | 126.0 | SE | 0.3 | 167.0 | SSE | 0.7 | 137.0 | SE | 0.6 | 117.0 | ESE | 1.4 | 155.0 | SSE | 0.7 | 148.0 | SSE | 0.3 | 0.0 | N |
| 01:00 AM - 02:00 AM | 0.7 | 110.0 | ESE | 0.3 | 145.0 | SE | 0.3 | 122.0 | ESE | 0.8 | 135.0 | SE | 0.3 | 158.0 | SSE | 0.5 | 148.0 | SSE | 0.5 | 230.0 | SW |
| 02:00 AM - 03:00 AM | 0.9 | 105.0 | ESE | 0.3 | 137.0 | SE | 1.4 | 97.0 | E | 2.7 | 156.0 | SSE | 0.6 | 150.0 | SSE | 0.3 | 156.0 | SSE | 0.5 | 222.0 | SW |
| 03:00 AM - 04:00 AM | 0.5 | 115.0 | ESE | 0.3 | 129.0 | SE | 1.0 | 132.0 | SE | 1.1 | 131.0 | SE | 0.9 | 179.0 | S | 0.3 | 127.0 | SE | 0.3 | 179.0 | S |
| 04:00 AM - 05:00 AM | 0.3 | 140.0 | SE | 1.1 | 108.0 | ESE | 0.5 | 144.0 | SE | 1.5 | 137.0 | SE | 0.5 | 154.0 | SSE | 0.3 | 151.0 | SSE | 0.4 | 0.0 | N |
| 05:00 AM - 06:00 AM | 0.8 | 150.0 | SSE | 0.7 | 125.0 | SE | 0.9 | 130.0 | SE | 0.7 | 158.0 | SSE | 0.3 | 157.0 | SSE | 0.4 | 147.0 | SSE | 1.5 | 0.0 | N |
| 06:00 AM - 07:00 AM | 1.3 | 161.0 | SSE | 1.2 | 121.0 | ESE | 1.1 | 154.0 | SSE | 1.9 | 100.0 | E | 0.4 | 149.0 | SSE | 0.5 | 176.0 | S | 0.7 | 232.0 | SW |
| 07:00 AM - 08:00 AM | 1.6 | 154.0 | SSE | 1.1 | 172.0 | S | 0.9 | 158.0 | SSE | 0.3 | 121.0 | ESE | 0.4 | 126.0 | SE | 0.4 | 77.0 | ENE | 0.3 | 181.0 | S |
| 08:00 AM - 09:00 AM | 0.7 | 137.0 | SE | 2.4 | 131.0 | SE | 1.0 | 138.0 | SE | 0.4 | 134.0 | SE | 1.2 | 162.0 | SSE | 2.3 | 159.0 | SSE | 0.3 | 221.0 | SW |
| 09:00 AM - 10:00 AM | 0.3 | 154.0 | SSE | 0.7 | 150.0 | SSE | 1.2 | 132.0 | SE | 0.9 | 138.0 | SE | 1.9 | 133.0 | SE | 0.3 | 124.0 | SE | 0.5 | 185.0 | S |
| 10:00 AM - 11:00 AM | 0.9 | 128.0 | SE | 1.1 | 138.0 | SE | 1.6 | 126.0 | SE | 1.2 | 86.0 | E | 1.0 | 147.0 | SSE | 0.4 | 182.0 | S | 1.6 | 113.0 | ESE |

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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

Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

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

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2525667

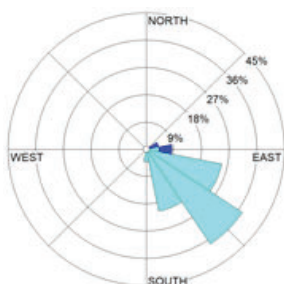
Date Received : Apr 01, 2025

Date Reported : Apr 08, 2025

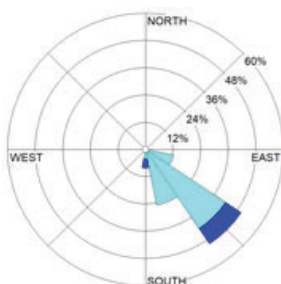
Report Number : 3261028-1 C8

Page 2 of 2

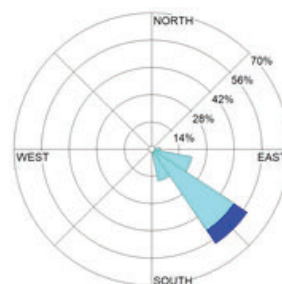
Wind Rose



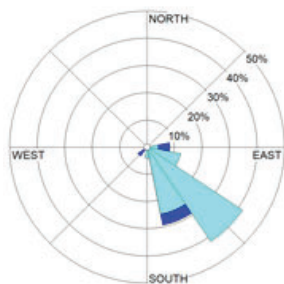
Date : Mar 24-25, 2025



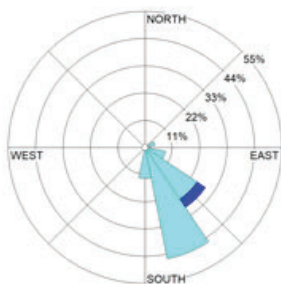
Date : Mar 25-26, 2025



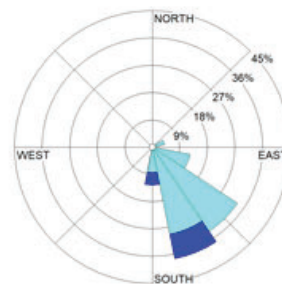
Date : Mar 26-27, 2025



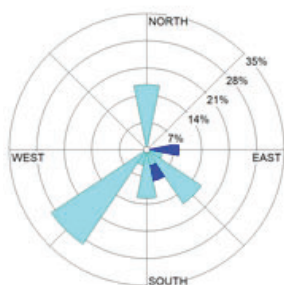
Date : Mar 27-28, 2025



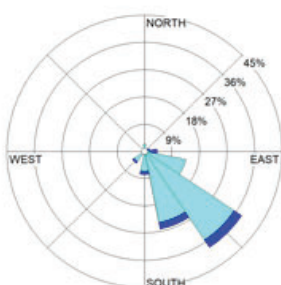
Date : Mar 28-29, 2025



Date : Mar 29-30, 2025



Date : Mar 30-31, 2025



Date : Mar 24-31, 2025

| WS (m/s) | % |
|----------|-------|
| ≥ 10.0 | 0.00 |
| 8.0-10.0 | 0.00 |
| 5.5-8.0 | 0.00 |
| 3.3-5.5 | 0.00 |
| 1.7-3.3 | 10.12 |
| 0.3-1.7 | 89.29 |
| Calms | 0.60 |

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

Approved by

Sarayuth Jitranont
Assistant General Manager



Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

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

Lot ID: 2525668

Date Received : Apr 01, 2025

Date Reported : Apr 08, 2025

Report Number : 3261030-1 C8

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Page 1 of 2

Sample Number : 2525668-1 to 7
Parameter : Wind Speed / Wind Direction
Location : บ้านมาบตาพุด (GPS 47P 0735346, 1406705)
Sampling Date : Mar 24 - Mar 31, 2025
Sampling by : Sitpawit Suwannarat

| Time | Mar 24 - Mar 25, 2025 | | | Mar 25 - Mar 26, 2025 | | | Mar 26 - Mar 27, 2025 | | | Mar 27 - Mar 28, 2025 | | | Mar 28 - Mar 29, 2025 | | | Mar 29 - Mar 30, 2025 | | | Mar 30 - Mar 31, 2025 | | |
|---------------------|-----------------------|-------------|-----|-----------------------|-------------|-----|-----------------------|-------------|-----|-----------------------|-------------|-----|-----------------------|-------------|-----|-----------------------|-------------|-----|-----------------------|-------------|-----|
| | WS (m/s) | WD (deg) | | WS (m/s) | WD (deg) | | WS (m/s) | WD (deg) | | WS (m/s) | WD (deg) | | WS (m/s) | WD (deg) | | WS (m/s) | WD (deg) | | WS (m/s) | WD (deg) | |
| 10:00 AM - 11:00 AM | 1.4 | 204.0 | SSW | 3.9 | 203.0 | SSW | 3.4 | 129.0 | SE | 1.7 | 202.0 | SSW | 0.3 | 83.0 | E | 1.6 | 238.0 | WSW | 0.3 | 331.0 | NNW |
| 11:00 AM - 12:00 PM | 0.5 | 53.0 | NE | 2.2 | 180.0 | S | 1.6 | 185.0 | S | 1.4 | 178.0 | S | 1.8 | 261.0 | W | 0.5 | 271.0 | W | 0.3 | 195.0 | SSW |
| 12:00 PM - 01:00 PM | 2.7 | 220.0 | SW | 1.2 | 302.0 | WNW | 1.9 | 143.0 | SE | 1.8 | 213.0 | SSW | 2.6 | 190.0 | S | 2.4 | 182.0 | S | 1.1 | 211.0 | SSW |
| 01:00 PM - 02:00 PM | 1.6 | 195.0 | SSW | 2.5 | 198.0 | SSW | 1.0 | 94.0 | E | 2.8 | 202.0 | SSW | 0.6 | 266.0 | W | 1.1 | 175.0 | S | 0.7 | 223.0 | SW |
| 02:00 PM - 03:00 PM | 1.0 | 195.0 | SSW | 2.7 | 199.0 | SSW | 1.7 | 214.0 | SW | 0.5 | 215.0 | SW | 1.2 | 216.0 | SW | 1.0 | 225.0 | SW | 1.2 | 189.0 | S |
| 03:00 PM - 04:00 PM | 1.3 | 232.0 | SW | 0.7 | 242.0 | WSW | 1.0 | 197.0 | SSW | 1.1 | 183.0 | S | 0.3 | 258.0 | WSW | 3.0 | 200.0 | SSW | 1.1 | 266.0 | W |
| 04:00 PM - 05:00 PM | 1.3 | 271.0 | W | 1.2 | 195.0 | SSW | 1.4 | 190.0 | S | 1.0 | 196.0 | SSW | 0.4 | 210.0 | SSW | 1.9 | 185.0 | S | 0.9 | 201.0 | SSW |
| 05:00 PM - 06:00 PM | 0.5 | 225.0 | SW | 0.4 | 230.0 | SW | 1.9 | 198.0 | SSW | 0.5 | 308.0 | NW | 0.8 | 203.0 | SSW | 0.5 | 214.0 | SW | 0.9 | 230.0 | SW |
| 06:00 PM - 07:00 PM | 0.3 | 225.0 | SW | 0.3 | 204.0 | SSW | 1.1 | 228.0 | SW | 0.3 | 182.0 | S | 0.3 | 79.0 | E | 0.5 | 211.0 | SSW | 0.3 | 210.0 | SSW |
| 07:00 PM - 08:00 PM | 1.1 | 217.0 | SW | 1.0 | 193.0 | SSW | 0.9 | 209.0 | SSW | 0.9 | 203.0 | SSW | 0.3 | 212.0 | SSW | 0.3 | 215.0 | SW | 0.3 | 30.0 | NNE |
| 08:00 PM - 09:00 PM | 0.9 | 204.0 | SSW | 1.7 | 198.0 | SSW | 1.3 | 187.0 | S | 0.5 | 156.0 | SSE | 0.5 | 220.0 | SW | 0.6 | 177.0 | S | 0.8 | 20.0 | NNE |
| 09:00 PM - 10:00 PM | 0.3 | 216.0 | SW | 0.3 | 188.0 | S | 0.4 | 157.0 | SSE | 0.7 | 187.0 | S | 0.6 | 180.0 | S | 0.3 | 210.0 | SSW | 1.2 | 9.0 | N |
| 10:00 PM - 11:00 PM | 1.0 | 219.0 | SW | 0.3 | 225.0 | SW | 0.4 | 203.0 | SSW | 0.4 | 243.0 | WSW | 0.4 | 182.0 | S | 1.0 | 217.0 | SW | 0.5 | 359.0 | N |
| 11:00 PM - 12:00 AM | 0.3 | 167.0 | SSE | 0.3 | 232.0 | SW | 1.3 | 186.0 | S | 0.8 | 216.0 | SW | 0.3 | 185.0 | S | 0.6 | 187.0 | S | 0.0 | - | - |
| 12:00 AM - 01:00 AM | 1.1 | 207.0 | SSW | 0.3 | 226.0 | SW | 0.9 | 275.0 | W | 1.0 | 169.0 | S | 0.7 | 169.0 | S | 0.3 | 259.0 | W | 0.4 | 10.0 | N |
| 01:00 AM - 02:00 AM | 0.6 | 191.0 | S | 0.4 | 185.0 | S | 0.3 | 215.0 | SW | 0.6 | 178.0 | S | 0.3 | 135.0 | SE | 1.3 | 193.0 | SSW | 0.5 | 359.0 | N |
| 02:00 AM - 03:00 AM | 0.3 | 152.0 | SSE | 0.8 | 203.0 | SSW | 1.2 | 181.0 | S | 0.3 | 213.0 | SSW | 0.3 | 213.0 | SSW | 0.5 | 202.0 | SSW | 0.3 | 359.0 | N |
| 03:00 AM - 04:00 AM | 0.3 | 204.0 | SSW | 0.3 | 196.0 | SSW | 0.3 | 216.0 | SW | 1.2 | 176.0 | S | 0.3 | 213.0 | SSW | 0.7 | 195.0 | SSW | 0.3 | 10.0 | N |
| 04:00 AM - 05:00 AM | 0.4 | 143.0 | SE | 0.3 | 212.0 | SSW | 0.5 | 172.0 | S | 0.8 | 221.0 | SW | 0.8 | 177.0 | S | 0.4 | 200.0 | SSW | 0.3 | 8.0 | N |
| 05:00 AM - 06:00 AM | 0.4 | 210.0 | SSW | 0.5 | 224.0 | SW | 1.1 | 193.0 | SSW | 1.0 | 238.0 | WSW | 0.3 | 267.0 | W | 1.3 | 240.0 | WSW | 0.3 | 359.0 | N |
| 06:00 AM - 07:00 AM | 0.6 | 202.0 | SSW | 1.9 | 218.0 | SW | 1.6 | 156.0 | SSE | 1.6 | 166.0 | SSE | 0.7 | 249.0 | WSW | 0.3 | 217.0 | SW | 2.0 | 21.0 | NNE |
| 07:00 AM - 08:00 AM | 0.5 | 0.0 | N | 1.1 | 162.0 | SSE | 1.3 | 79.0 | E | 1.6 | 199.0 | SSW | 0.3 | 232.0 | SW | 0.6 | 248.0 | WSW | 1.4 | 13.0 | NNE |
| 08:00 AM - 09:00 AM | 0.3 | 268.0 | W | 0.4 | 301.0 | WNW | 3.4 | 125.0 | SE | 0.9 | 223.0 | SW | 0.4 | 245.0 | WSW | 1.9 | 171.0 | S | 0.9 | 28.0 | NNE |
| 09:00 AM - 10:00 AM | 0.8 | 248.0 | WSW | 0.8 | 279.0 | W | 0.7 | 215.0 | SW | 0.9 | 209.0 | SSW | 1.4 | 191.0 | S | 1.2 | 187.0 | S | 0.3 | 39.0 | NE |

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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

Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

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

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2525668

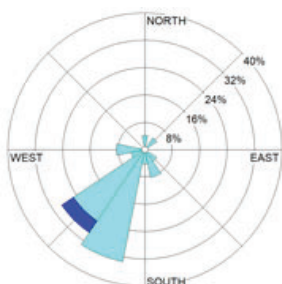
Date Received : Apr 01, 2025

Date Reported : Apr 08, 2025

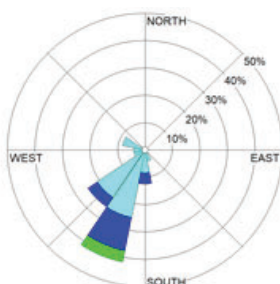
Report Number : 3261030-1 C8

Page 2 of 2

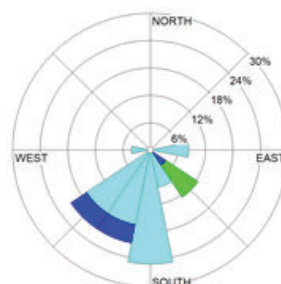
Wind Rose



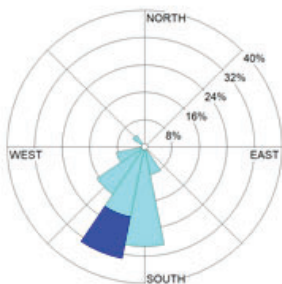
Date : Mar 24-25, 2025



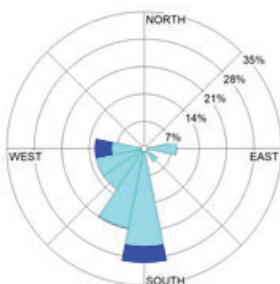
Date : Mar 25-26, 2025



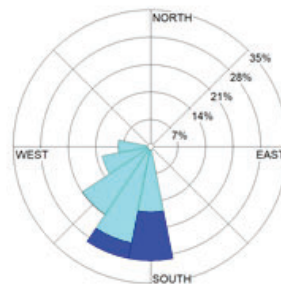
Date : Mar 26-27, 2025



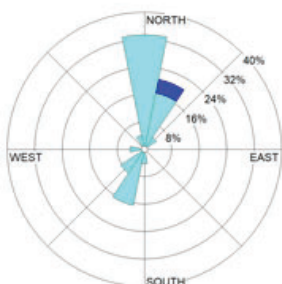
Date : Mar 27-28, 2025



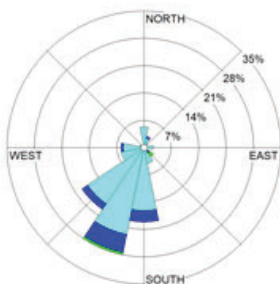
Date : Mar 28-29, 2025



Date : Mar 29-30, 2025



Date : Mar 30-31, 2025



Date : Mar 24-31, 2025

| | WS (m/s) | % |
|--|----------|-------|
| | ≥ 10.0 | 0.00 |
| | 8.0-10.0 | 0.00 |
| | 5.5-8.0 | 0.00 |
| | 3.3-5.5 | 1.79 |
| | 1.7-3.3 | 11.31 |
| | 0.3-1.7 | 86.31 |
| | Calms | 0.60 |

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

Approved by

Sarayuth Jitranont
Assistant General Manager

ภาคผนวก ค-3

ระดับเสียงโดยทั่วไป



Analysis / Test Report

TESTING
No.0042

Client : Siam Polystyrene Co., Ltd.

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

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2517468

Date Received : Mar 04, 2025

Date Reported : Mar 08, 2025

Report Number: 3253196-1

Page 1 of 1

Sample Number : 2517468-1
Parameter : Noise (Leq 24 hrs.)
Location : ชุมชนวัดโสมณ (GPS 47P 0735038, 1405843)
Measurement Date : Feb 25 - Feb 26, 2025
Measurement by : Satcha Phetsawaeng
Sound Level meter : Serial No. 623388

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 11:00 AM - 12:00 PM | 56.8 | 84.6 | 51.6 |
| 12:00 PM - 01:00 PM | 53.1 | 79.8 | 47.2 |
| 01:00 PM - 02:00 PM | 51.8 | 77.8 | 45.9 |
| 02:00 PM - 03:00 PM | 50.9 | 73.8 | 44.9 |
| 03:00 PM - 04:00 PM | 50.9 | 71.8 | 46.6 |
| 04:00 PM - 05:00 PM | 55.6 | 78.6 | 48.6 |
| 05:00 PM - 06:00 PM | 55.5 | 74.5 | 49.6 |
| 06:00 PM - 07:00 PM | 57.5 | 77.2 | 50.1 |
| 07:00 PM - 08:00 PM | 53.3 | 71.8 | 49.9 |
| 08:00 PM - 09:00 PM | 52.8 | 71.3 | 49.0 |
| 09:00 PM - 10:00 PM | 55.0 | 72.1 | 49.7 |
| 10:00 PM - 11:00 PM | 57.1 | 73.3 | 47.9 |
| 11:00 PM - 12:00 AM | 59.1 | 74.2 | 47.8 |
| 12:00 AM - 01:00 AM | 59.0 | 67.6 | 53.2 |
| 01:00 AM - 02:00 AM | 58.3 | 70.0 | 52.6 |
| 02:00 AM - 03:00 AM | 57.1 | 68.3 | 50.4 |
| 03:00 AM - 04:00 AM | 52.2 | 61.5 | 43.8 |
| 04:00 AM - 05:00 AM | 47.6 | 67.3 | 43.6 |
| 05:00 AM - 06:00 AM | 47.5 | 65.3 | 43.7 |
| 06:00 AM - 07:00 AM | 51.7 | 68.5 | 48.4 |
| 07:00 AM - 08:00 AM | 55.6 | 78.8 | 50.9 |
| 08:00 AM - 09:00 AM | 55.6 | 72.7 | 51.2 |
| 09:00 AM - 10:00 AM | 55.9 | 70.4 | 51.1 |
| 10:00 AM - 11:00 AM | 53.8 | 70.9 | 48.6 |

Leq Average 24 hrs. (dB(A)) : 55.3
Lmax (dB(A)) : 84.6
L90 (dB(A)) : 48.6
Ldn (dB(A)) : 62.4
Standard (dB(A)) : 70
115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head



Analysis / Test Report

TESTING
No.0042

Client : Siam Polystyrene Co., Ltd.

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

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2517468

Date Received : Mar 04, 2025

Date Reported : Mar 08, 2025

Report Number: 3253196-1

Page 1 of 1

Sample Number 2516478-2
Parameter Noise (Leq 24 hrs.)
Location ชุมชนวัดโสมณ (GPS 46P 0635038, 1405843)
Measurement Date Feb 27 - Feb 26, 2025
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 723388

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 11:00 AM - 12:00 PM | 52.6 | 66.2 | 47.7 |
| 12:00 PM - 01:00 PM | 51.2 | 78.6 | 47.3 |
| 01:00 PM - 02:00 PM | 53.2 | 66.3 | 48.0 |
| 02:00 PM - 03:00 PM | 51.5 | 62.9 | 47.9 |
| 03:00 PM - 04:00 PM | 54.5 | 64.2 | 47.6 |
| 04:00 PM - 05:00 PM | 54.3 | 62.3 | 47.6 |
| 05:00 PM - 07:00 PM | 55.6 | 64.0 | 48.5 |
| 07:00 PM - 06:00 PM | 54.9 | 81.2 | 49.1 |
| 06:00 PM - 08:00 PM | 52.0 | 79.8 | 46.8 |
| 08:00 PM - 09:00 PM | 50.7 | 75.6 | 46.4 |
| 09:00 PM - 10:00 PM | 51.8 | 79.6 | 45.5 |
| 10:00 PM - 11:00 PM | 57.2 | 64.0 | 48.1 |
| 11:00 PM - 12:00 AM | 57.8 | 77.5 | 52.0 |
| 12:00 AM - 01:00 AM | 55.1 | 76.5 | 48.8 |
| 01:00 AM - 02:00 AM | 50.7 | 75.1 | 45.0 |
| 02:00 AM - 03:00 AM | 48.8 | 72.5 | 44.0 |
| 03:00 AM - 04:00 AM | 48.0 | 61.2 | 43.8 |
| 04:00 AM - 05:00 AM | 52.2 | 75.3 | 44.9 |
| 05:00 AM - 07:00 AM | 55.2 | 62.9 | 48.9 |
| 07:00 AM - 06:00 AM | 55.3 | 64.2 | 49.5 |
| 06:00 AM - 08:00 AM | 56.2 | 64.4 | 51.1 |
| 08:00 AM - 09:00 AM | 55.8 | 63.5 | 50.9 |
| 09:00 AM - 10:00 AM | 52.2 | 78.4 | 48.1 |
| 10:00 AM - 11:00 AM | 53.9 | 65.6 | 48.9 |

Leq Average 24 hrs. (dB(A)) 53.9
Lmax (dB(A)) 81.2
L90 (dB(A)) 46.8
Ldn (dB(A)) 70.5
Standard (dB(A)) 60 115

Reference Method : ISO1997-1 and 1997-2

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 16025.

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER



Analysis / Test Report

TESTING
No.0042

Client : Siam Polystyrene Co., Ltd.

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

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2517468

Date Received : Mar 04, 2025

Date Reported : Mar 08, 2025

Report Number: 3253198-1

Page 1 of 1

Sample Number 251f 478-3
Parameter 6oise (Leq 24 hrs.)
Location ชุมชนวัดโสมนัส (GPS 4f P 0f 35038, 1405843)
Measurement Date FeN 2f - FeN 28, 2025
Measurement by Satcha Phetsawaeng
Sound Level meter Serial 6o. 723388

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|----------------------|-------------|--------------|-------------|
| 11:00 AM - 12:00 PM | 52.0 | 78.9 | 49.2 |
| 12:00 PM - 01:00 PM | 52.2 | 78.7 | 48.9 |
| 01:00 PM - 02:00 PM | 51.9 | 79.8 | 48.4 |
| 02:00 PM - 03:00 PM | 50.5 | 77.2 | 4f.7 |
| 03:00 PM - 04:00 PM | 51.5 | 79.8 | 48.4 |
| 04:00 PM - 05:00 PM | 52.3 | f 1.4 | 49.1 |
| 05:00 PM - 07:00 PM | 55.0 | f 4.9 | 50.1 |
| 07:00 PM - 0f :00 PM | 57.5 | 80.7 | 50.0 |
| 0f :00 PM - 08:00 PM | 53.8 | f 2.3 | 48.8 |
| 08:00 PM - 09:00 PM | 53.0 | f 3.4 | 4f.f |
| 09:00 PM - 10:00 PM | 55.7 | 75.8 | 48.7 |
| 10:00 PM - 11:00 PM | 55.f | f 0.4 | 47.4 |
| 11:00 PM - 12:00 AM | 55.2 | 75.0 | 47.8 |
| 12:00 AM - 01:00 AM | 50.0 | 73.f | 44.4 |
| 01:00 AM - 02:00 AM | 48.0 | 7f.9 | 43.8 |
| 02:00 AM - 03:00 AM | 47.7 | 7f.2 | 43.f |
| 03:00 AM - 04:00 AM | 45.5 | 70.9 | 43.f |
| 04:00 AM - 05:00 AM | 47.9 | 71.4 | 44.0 |
| 05:00 AM - 07:00 AM | 48.0 | 75.9 | 44.9 |
| 07:00 AM - 0f :00 AM | 53.7 | f 4.4 | 48.9 |
| 0f :00 AM - 08:00 AM | 57.1 | f 4.f | 51.3 |
| 08:00 AM - 09:00 AM | 55.0 | f 2.7 | 50.8 |
| 09:00 AM - 10:00 AM | 55.9 | f 2.3 | 48.8 |
| 10:00 AM - 11:00 AM | 53.9 | f 1.5 | 4f.8 |

Leq Average 24 hrs. (dB(A)) 53.3
Lmax (dB(A)) 80.7
L90 (dB(A)) 48.4
Ldn (dB(A)) 58.4
Standard (dB(A)) f 0 115

Reference Method : ISO1997-1 and 1997-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

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 :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2517468

Date Received : Mar 04, 2025

Date Reported : Mar 08, 2025

Report Number: 3253199-1

Page 1 of 1

Sample Number 251f 478-4
Parameter 6oise (Leq 24 hrs.)
Location ชุมชนวัดโสมณ (GPS 4f P 0f 35038, 1405843)
Measurement Date FeN 28 - Mar 01, 2025
Measurement by Satcha Phetsawaeng
Sound Level meter Serial 6o. 723388

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|----------------------|-------------|--------------|-------------|
| 11:00 AM - 12:00 PM | 52.2 | 78.f | 4f .f |
| 12:00 PM - 01:00 PM | 52.9 | 80.0 | 4f .9 |
| 01:00 PM - 02:00 PM | 53.2 | f 5.5 | 48.f |
| 02:00 PM - 03:00 PM | 54.2 | f 7.4 | 48.3 |
| 03:00 PM - 04:00 PM | 5f .0 | f 9.4 | 49.2 |
| 04:00 PM - 05:00 PM | 55.4 | 81.8 | 49.f |
| 05:00 PM - 07:00 PM | 53.3 | f 0.f | 49.7 |
| 07:00 PM - 0f :00 PM | 55.0 | 85.9 | 49.3 |
| 0f :00 PM - 08:00 PM | 53.1 | f 3.3 | 48.0 |
| 08:00 PM - 09:00 PM | 54.8 | f 5.5 | 51.4 |
| 09:00 PM - 10:00 PM | 55.1 | 83.1 | 50.f |
| 10:00 PM - 11:00 PM | 50.7 | 78.2 | 4f .f |
| 11:00 PM - 12:00 AM | 50.3 | f 5.4 | 4f .3 |
| 12:00 AM - 01:00 AM | 50.2 | f 3.5 | 47.5 |
| 01:00 AM - 02:00 AM | 4f .8 | 77.4 | 44.7 |
| 02:00 AM - 03:00 AM | 48.3 | 79.5 | 44.3 |
| 03:00 AM - 04:00 AM | 4f .2 | 7f .2 | 43.2 |
| 04:00 AM - 05:00 AM | 50.f | 77.2 | 44.3 |
| 05:00 AM - 07:00 AM | 52.1 | 74.4 | 44.8 |
| 07:00 AM - 0f :00 AM | 5f .5 | f 8.3 | 48.2 |
| 0f :00 AM - 08:00 AM | 57.1 | 80.5 | 50.f |
| 08:00 AM - 09:00 AM | 52.8 | f 2.9 | 48.8 |
| 09:00 AM - 10:00 AM | 52.8 | 80.0 | 4f .9 |
| 10:00 AM - 11:00 AM | 52.8 | f 4.0 | 4f .9 |

Leq Average 24 hrs. (dB(A)) 53.5
Lmax (dB(A)) 85.9
L90 (dB(A)) 4f .9
Ldn (dB(A)) 58.7
Standard (dB(A)) f 0 115

Reference Method : ISO1997-1 and 1997-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

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 :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2517468

Date Received : Mar 04, 2025

Date Reported : Mar 08, 2025

Report Number: 3253200-1

Page 1 of 1

| | |
|--------------------------|---|
| Sample Number | 2517468-5 |
| Parameter | Noise (Leq 24 hrs.) |
| Location | ชุมชนวัดโสภณ (GPS 47P 0735038, 1405843) |
| Measurement Date | Mar 01 - Mar 02, 2025 |
| Measurement by | Satcha Phetsawaeng |
| Sound Level meter | Serial No. 623388 |

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|--|-------------|--------------|-------------|
| 11:00 AM - 12:00 PM | 52.2 | 68.7 | 48.1 |
| 12:00 PM - 01:00 PM | 52.0 | 66.6 | 48.4 |
| 01:00 PM - 02:00 PM | 52.3 | 64.3 | 48.6 |
| 02:00 PM - 03:00 PM | 52.0 | 64.5 | 48.3 |
| 03:00 PM - 04:00 PM | 52.1 | 68.8 | 48.6 |
| 04:00 PM - 05:00 PM | 53.2 | 69.9 | 49.8 |
| 05:00 PM - 06:00 PM | 54.9 | 74.3 | 51.0 |
| 06:00 PM - 07:00 PM | 57.3 | 78.7 | 50.5 |
| 07:00 PM - 08:00 PM | 54.7 | 78.4 | 49.9 |
| 08:00 PM - 09:00 PM | 54.1 | 84.7 | 50.1 |
| 09:00 PM - 10:00 PM | 53.9 | 79.7 | 48.3 |
| 10:00 PM - 11:00 PM | 52.1 | 70.6 | 48.0 |
| 11:00 PM - 12:00 AM | 56.7 | 84.0 | 47.7 |
| 12:00 AM - 01:00 AM | 49.7 | 68.4 | 46.2 |
| 01:00 AM - 02:00 AM | 48.1 | 67.2 | 45.2 |
| 02:00 AM - 03:00 AM | 48.3 | 64.0 | 45.0 |
| 03:00 AM - 04:00 AM | 47.5 | 62.2 | 44.8 |
| 04:00 AM - 05:00 AM | 48.2 | 65.0 | 44.6 |
| 05:00 AM - 06:00 AM | 47.8 | 63.4 | 44.9 |
| 06:00 AM - 07:00 AM | 50.8 | 64.0 | 47.8 |
| 07:00 AM - 08:00 AM | 54.0 | 77.0 | 49.1 |
| 08:00 AM - 09:00 AM | 54.8 | 73.1 | 49.1 |
| 09:00 AM - 10:00 AM | 54.1 | 73.1 | 49.6 |
| 10:00 AM - 11:00 AM | 54.7 | 73.2 | 51.5 |
| Leq Average 24 hrs. (dB(A)) | 53.1 | | |
| Lmax (dB(A)) | | 84.7 | |
| L90 (dB(A)) | | | 48.3 |
| Ldn (dB(A)) | 58.1 | | |
| Standard (dB(A)) | 70 | 115 | |
| Reference Method : ISO1996-1 and 1996-2 | | | |
| Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป | | | |
| 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548 | | | |
| Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025. | | | |

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
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Analysis / Test Report

TESTING
No.0042

Client : Siam Polystyrene Co., Ltd.

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

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2517468

Date Received : Mar 04, 2025

Date Reported : Mar 08, 2025

Report Number: 3253201-1

Page 1 of 1

Sample Number 2517468-6
Parameter Noise (Leq 24 hrs.)
Location ชุมชนวัดโสภณ (GPS 47P 0735038, 1405843)
Measurement Date Mar 02 - Mar 03, 2025
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 623388

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 11:00 AM - 12:00 PM | 53.7 | 74.0 | 50.6 |
| 12:00 PM - 01:00 PM | 52.5 | 68.9 | 49.2 |
| 01:00 PM - 02:00 PM | 52.2 | 68.0 | 49.0 |
| 02:00 PM - 03:00 PM | 52.5 | 68.8 | 49.1 |
| 03:00 PM - 04:00 PM | 52.1 | 67.1 | 48.7 |
| 04:00 PM - 05:00 PM | 51.9 | 73.9 | 48.4 |
| 05:00 PM - 06:00 PM | 53.3 | 78.0 | 49.9 |
| 06:00 PM - 07:00 PM | 57.8 | 88.7 | 49.9 |
| 07:00 PM - 08:00 PM | 54.8 | 67.9 | 51.2 |
| 08:00 PM - 09:00 PM | 55.9 | 76.9 | 52.0 |
| 09:00 PM - 10:00 PM | 54.1 | 77.9 | 48.6 |
| 10:00 PM - 11:00 PM | 50.0 | 67.2 | 46.2 |
| 11:00 PM - 12:00 AM | 50.0 | 69.6 | 45.7 |
| 12:00 AM - 01:00 AM | 50.0 | 70.1 | 45.6 |
| 01:00 AM - 02:00 AM | 47.6 | 63.4 | 44.4 |
| 02:00 AM - 03:00 AM | 46.8 | 68.5 | 44.0 |
| 03:00 AM - 04:00 AM | 48.8 | 74.1 | 44.7 |
| 04:00 AM - 05:00 AM | 48.5 | 74.1 | 45.3 |
| 05:00 AM - 06:00 AM | 49.0 | 65.9 | 46.1 |
| 06:00 AM - 07:00 AM | 53.0 | 74.1 | 49.4 |
| 07:00 AM - 08:00 AM | 54.5 | 71.6 | 51.4 |
| 08:00 AM - 09:00 AM | 54.4 | 74.0 | 50.9 |
| 09:00 AM - 10:00 AM | 53.9 | 71.3 | 49.8 |
| 10:00 AM - 11:00 AM | 55.1 | 81.3 | 50.7 |

Leq Average 24 hrs. (dB(A)) 53.0
Lmax (dB(A)) 88.7
L90 (dB(A)) 49.0
Ldn (dB(A)) 57.1
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Life Sciences

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Analysis / Test Report

TESTING
No.0042

Client : Siam Polystyrene Co., Ltd.

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

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2517468

Date Received : Mar 04, 2025

Date Reported : Mar 08, 2025

Report Number: 3253202-1

Page 1 of 1

Sample Number 2517468-7
Parameter Noise (Leq 24 hrs.)
Location ชุมชนวัดโสมณ (GPS 47P 0735038, 1405843)
Measurement Date Mar 03 - Mar 04, 2025
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 623388

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 11:00 AM - 12:00 PM | 54.1 | 69.4 | 52.1 |
| 12:00 PM - 01:00 PM | 54.4 | 68.6 | 52.3 |
| 01:00 PM - 02:00 PM | 54.3 | 71.6 | 52.2 |
| 02:00 PM - 03:00 PM | 54.9 | 73.3 | 52.5 |
| 03:00 PM - 04:00 PM | 53.8 | 67.6 | 52.2 |
| 04:00 PM - 05:00 PM | 55.1 | 77.0 | 52.2 |
| 05:00 PM - 06:00 PM | 55.4 | 73.5 | 53.0 |
| 06:00 PM - 07:00 PM | 56.5 | 79.4 | 53.5 |
| 07:00 PM - 08:00 PM | 55.4 | 71.9 | 53.1 |
| 08:00 PM - 09:00 PM | 55.5 | 67.8 | 53.1 |
| 09:00 PM - 10:00 PM | 55.0 | 81.0 | 52.3 |
| 10:00 PM - 11:00 PM | 54.6 | 71.3 | 51.6 |
| 11:00 PM - 12:00 AM | 54.5 | 68.7 | 51.4 |
| 12:00 AM - 01:00 AM | 53.5 | 69.2 | 51.2 |
| 01:00 AM - 02:00 AM | 52.8 | 69.2 | 51.0 |
| 02:00 AM - 03:00 AM | 52.7 | 73.1 | 51.0 |
| 03:00 AM - 04:00 AM | 52.1 | 68.8 | 51.0 |
| 04:00 AM - 05:00 AM | 52.4 | 67.6 | 51.3 |
| 05:00 AM - 06:00 AM | 53.6 | 73.0 | 51.8 |
| 06:00 AM - 07:00 AM | 54.9 | 66.6 | 53.2 |
| 07:00 AM - 08:00 AM | 56.6 | 71.8 | 54.2 |
| 08:00 AM - 09:00 AM | 56.9 | 76.0 | 53.6 |
| 09:00 AM - 10:00 AM | 58.4 | 72.8 | 54.3 |
| 10:00 AM - 11:00 AM | 55.6 | 74.8 | 52.5 |

Leq Average 24 hrs. (dB(A)) 55.0
Lmax (dB(A)) 81.0
L90 (dB(A)) 52.2
Ldn (dB(A)) 60.3
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

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Analysis / Test Report

TESTING
No.0042

Client : Siam Polystyrene Co., Ltd.

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

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2517468

Date Received : Mar 04, 2025

Date Reported : Mar 08, 2025

Report 9um6er: 3253203-1

Page 1 of 1

Sample Number 251b4f8-8
Parameter 9oise (Le7 24 hrs.)
Location บ้านอ่าวประดู่ (ศูนย์บริการสาธารณสุขตากวน) (qPS 4bP 0b355b8, 1402bG2)
Measurement Date Fe6 25 - Fe6 2f, 2025
Measurement by Satcha Phetsawaeng
Sound Level meter Serial 9o. G000b4

| Time | Le7 (dB(A)) | Lmax (dB(A)) | LGO (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 11:00 AM - 12:00 PM | 50.4 | b1.5 | 43.b |
| 12:00 PM - 01:00 PM | 4G.1 | b1.1 | 42.b |
| 01:00 PM - 02:00 PM | 4b.f | f 5.3 | 41.5 |
| 02:00 PM - 03:00 PM | 48.b | f G.2 | 43.0 |
| 03:00 PM - 04:00 PM | 51.8 | b1.G | 45.5 |
| 04:00 PM - 05:00 PM | 50.5 | f 8.b | 4f .1 |
| 05:00 PM - 06:00 PM | 51.0 | f 8.b | 4f .1 |
| 06:00 PM - 07:00 PM | 50.2 | f G.0 | 4f .f |
| 07:00 PM - 08:00 PM | 4G.b | f G.G | 4f .0 |
| 08:00 PM - 09:00 PM | 4G.4 | b1.4 | 45.1 |
| 09:00 PM - 10:00 PM | 48.2 | f b.f | 44.b |
| 10:00 PM - 11:00 PM | 48.4 | f f .5 | 44.8 |
| 11:00 PM - 12:00 AM | 4f .G | f G.b | 43.8 |
| 12:00 AM - 01:00 AM | 4b.b | f 5.5 | 43.4 |
| 01:00 AM - 02:00 AM | 44.4 | f 2.4 | 40.b |
| 02:00 AM - 03:00 AM | 45.0 | f f .5 | 3G.8 |
| 03:00 AM - 04:00 AM | 44.5 | f 5.3 | 3G.8 |
| 04:00 AM - 05:00 AM | 45.f | f 1.3 | 41.0 |
| 05:00 AM - 06:00 AM | 50.f | f 4.3 | 44.8 |
| 06:00 AM - 07:00 AM | 52.5 | b1.3 | 48.2 |
| 07:00 AM - 08:00 AM | 54.G | 82.G | 4b.b |
| 08:00 AM - 09:00 AM | 51.2 | b f .3 | 45.0 |
| 09:00 AM - 10:00 AM | 48.4 | f f .2 | 43.3 |
| 10:00 AM - 11:00 AM | 48.2 | b5.1 | 42.f |

Le7 Average 24 hrs. (dB(A)) 4G.b
Lmax (dB(A)) 82.G
LGO (dB(A)) 43.8
Ldn (dB(A)) 55.0
Standard (dB(A)) b0 115

Reference Method : ISO1GGf-1 and 1GGf-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 1b025.

Technical Management

Thanita K.

Thanita Kulsuriwong
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Approved by

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Analysis / Test Report

TESTING
No.0042

Client : Siam Polystyrene Co., Ltd.

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

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2517468

Date Received : Mar 04, 2025

Date Reported : Mar 08, 2025

Report 9um6r: 3253204-1

Page 1 of 1

Sample Number 251b4f8-7
Parameter 9oise (Leq 24 hrs.)
Location บ้านอ่าวประดู่ (ศูนย์บริการสาธารณสุขตากวน) (GPS 4bP 0b355b8, 1402b72)
Measurement Date Fe6 2f - Fe6 2b, 2025
Measurement by Satcha Phetsawaeng
Sound Level meter Serial 9o. 7000b4

| Time | Leq (dB(A)) | Lmax (dB(A)) | L70 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 11:00 AM - 12:00 PM | 48.5 | ff.5 | 42.f |
| 12:00 PM - 01:00 PM | 47.5 | b0.f | 43.3 |
| 01:00 PM - 02:00 PM | 48.2 | b0.1 | 42.7 |
| 02:00 PM - 03:00 PM | 47.3 | f b.1 | 43.8 |
| 03:00 PM - 04:00 PM | 50.1 | b2.b | 44.4 |
| 04:00 PM - 05:00 PM | 51.0 | b0.b | 4f.3 |
| 05:00 PM - 06:00 PM | 47.4 | f 7.5 | 45.7 |
| 06:00 PM - 07:00 PM | 52.1 | f 5.8 | 4f.7 |
| 07:00 PM - 08:00 PM | 50.0 | b5.0 | 45.2 |
| 08:00 PM - 09:00 PM | 48.3 | f 8.2 | 44.1 |
| 09:00 PM - 10:00 PM | 50.8 | f 7.7 | 4f.0 |
| 10:00 PM - 11:00 PM | 47.5 | f b.b | 4f.1 |
| 11:00 PM - 12:00 AM | 48.2 | f 5.8 | 45.5 |
| 12:00 AM - 01:00 AM | 48.5 | b2.1 | 45.f |
| 01:00 AM - 02:00 AM | 45.5 | f 3.8 | 43.2 |
| 02:00 AM - 03:00 AM | 45.4 | ff.8 | 43.3 |
| 03:00 AM - 04:00 AM | 45.3 | f 5.0 | 41.3 |
| 04:00 AM - 05:00 AM | 50.f | b2.3 | 44.2 |
| 05:00 AM - 06:00 AM | 47.4 | b4.0 | 44.f |
| 06:00 AM - 07:00 AM | 47.b | 84.f | 44.1 |
| 07:00 AM - 08:00 AM | 51.4 | b4.8 | 44.f |
| 08:00 AM - 09:00 AM | 50.f | b2.b | 44.0 |
| 09:00 AM - 10:00 AM | 52.4 | bf.f | 43.7 |
| 10:00 AM - 11:00 AM | 51.1 | b5.3 | 43.b |

Leq Average 24 hrs. (dB(A)) 47.b
Lmax (dB(A)) 84.f
L70 (dB(A)) 44.1
Ldn (dB(A)) 55.2
Standard (dB(A)) b0 115

Reference Method : ISO177f-1 and 177f-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Life Sciences

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Analysis / Test Report

TESTING
No.0042

Client : Siam Polystyrene Co., Ltd.

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

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2517468

Date Received : Mar 04, 2025

Date Reported : Mar 08, 2025

Report 9um6er: 3253205-1

Page 1 of 1

Sample Number 251b4f8-10
Parameter 9oise (Le7 24 hrs.)
Location บ้านอ่าวประดู่ (ศูนย์บริการสาธารณสุขตากวน) (qPS 4bP 0b355b8, 1402bG2)
Measurement Date Fe6 2b - Fe6 28, 2025
Measurement by Satcha Phetsawaeng
Sound Level meter Serial 9o. G000b4

| Time | Le7 (dB(A)) | Lmax (dB(A)) | LGO (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 11:00 AM - 12:00 PM | 4G.1 | b2.2 | 42.4 |
| 12:00 PM - 01:00 PM | 52.5 | 80.0 | 42.G |
| 01:00 PM - 02:00 PM | 53.5 | b5.8 | 44.b |
| 02:00 PM - 03:00 PM | 52.G | b5.4 | 44.4 |
| 03:00 PM - 04:00 PM | 54.2 | b8.4 | 44.5 |
| 04:00 PM - 05:00 PM | 50.8 | b3.f | 45.2 |
| 05:00 PM - 06:00 PM | 50.3 | b3.3 | 45.4 |
| 06:00 PM - 07:00 PM | 50.b | bb.4 | 45.4 |
| 07:00 PM - 08:00 PM | 48.4 | b2.3 | 44.2 |
| 08:00 PM - 09:00 PM | 45.5 | f b.3 | 43.5 |
| 09:00 PM - 10:00 PM | 44.0 | f 3.5 | 42.4 |
| 10:00 PM - 11:00 PM | 42.G | f 1.b | 40.8 |
| 11:00 PM - 12:00 AM | 43.1 | 55.G | 41.0 |
| 12:00 AM - 01:00 AM | 45.5 | f 5.2 | 42.3 |
| 01:00 AM - 02:00 AM | 45.5 | f f.0 | 42.1 |
| 02:00 AM - 03:00 AM | 48.5 | f f.8 | 43.5 |
| 03:00 AM - 04:00 AM | 51.b | b5.1 | 44.4 |
| 04:00 AM - 05:00 AM | 48.3 | f 5.4 | 44.b |
| 05:00 AM - 06:00 AM | 48.G | f 1.G | 4b.0 |
| 06:00 AM - 07:00 AM | 51.8 | f 8.1 | 44.5 |
| 07:00 AM - 08:00 AM | 54.0 | b0.1 | 4f.4 |
| 08:00 AM - 09:00 AM | 53.2 | b3.8 | 45.0 |
| 09:00 AM - 10:00 AM | 50.5 | f 2.5 | 43.4 |
| 10:00 AM - 11:00 AM | 50.G | b1.1 | 42.G |

Le7 Average 24 hrs. (dB(A)) 50.f
Lmax (dB(A)) 80.0
LGO (dB(A)) 44.2
Ldn (dB(A)) 55.4
Standard (dB(A)) b0 115

Reference Method : ISO1GGf-1 and 1GGf-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 1b025.

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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 :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2517468

Date Received : Mar 04, 2025

Date Reported : Mar 08, 2025

Report Number: 3253209-1

Page 1 of 1

| | |
|--------------------------|---|
| Sample Number | 251f 498-11 |
| Parameter | 6oise (Le7 24 hrs.) |
| Location | บ้านอ่าวประดู่ (ศูนย์บริการสาธารณสุขตากวน) (qPS 4f P 0f 355f 8, 1402f G2) |
| Measurement Date | FeN 28 - Mar 01, 2025 |
| Measurement by | Satcha Phetsawaeng |
| Sound Level meter | Serial 60. G000f 4 |

| Time | Le7 (dB(A)) | Lmax (dB(A)) | LGO (dB(A)) |
|----------------------|-------------|--------------|-------------|
| 11:00 AM - 12:00 PM | 50.G | 94.G | 43.9 |
| 12:00 PM - 01:00 PM | 52.f | f 9.0 | 43.3 |
| 01:00 PM - 02:00 PM | 4G.1 | 99.G | 44.8 |
| 02:00 PM - 03:00 PM | 4G.5 | 98.9 | 45.5 |
| 03:00 PM - 04:00 PM | 51.0 | f 1.5 | 49.4 |
| 04:00 PM - 05:00 PM | 51.5 | 98.G | 4f .3 |
| 05:00 PM - 09:00 PM | 50.9 | f f .0 | 45.f |
| 09:00 PM - 0f :00 PM | 4G.f | 9G.9 | 45.9 |
| 0f :00 PM - 08:00 PM | 4G.f | f f .1 | 44.8 |
| 08:00 PM - 0G:00 PM | 4G.1 | 98.3 | 44.4 |
| 0G:00 PM - 10:00 PM | 4f .8 | f 0.8 | 42.f |
| 10:00 PM - 11:00 PM | 50.1 | 98.8 | 45.0 |
| 11:00 PM - 12:00 AM | 50.5 | f 2.5 | 45.9 |
| 12:00 AM - 01:00 AM | 48.f | 9f .4 | 45.1 |
| 01:00 AM - 02:00 AM | 50.2 | f 3.3 | 42.3 |
| 02:00 AM - 03:00 AM | 48.1 | f 3.9 | 42.1 |
| 03:00 AM - 04:00 AM | 55.9 | f 4.G | 42.2 |
| 04:00 AM - 05:00 AM | 58.G | f 5.f | 43.f |
| 05:00 AM - 09:00 AM | 58.4 | f 5.5 | 45.G |
| 09:00 AM - 0f :00 AM | 58.0 | f 5.G | 49.8 |
| 0f :00 AM - 08:00 AM | 59.5 | f 9.2 | 45.f |
| 08:00 AM - 0G:00 AM | 4G.1 | 9G.4 | 44.5 |
| 0G:00 AM - 10:00 AM | 4G.5 | f 0.4 | 44.0 |
| 10:00 AM - 11:00 AM | 48.9 | f 0.9 | 43.4 |

| | | | |
|-----------------------------|------|--------|------|
| Le7 Average 24 hrs. (dB(A)) | 53.0 | | |
| Lmax (dB(A)) | | f f .1 | |
| LGO (dB(A)) | | | 44.8 |
| Ldn (dB(A)) | 91.1 | | |
| Standard (dB(A)) | f 0 | 115 | |

Reference Method : ISO1GG9-1 and 1GG9-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

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 :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2517468

Date Received : Mar 04, 2025

Date Reported : Mar 08, 2025

Report number: 325320N-1

Page 1 of 1

Sample Number 251N468-12
Parameter boise (Leq 24 hrs.)
Location บ้านอ่าวประดู่ (ศูนย์บริการสาธารณสุขตากวน) (GPS 4NP 0N355NB, 1402NW2)
Measurement Date Mar 01 - Mar 02, 2025
Measurement by Satcha PhetsaBaeng
Sound Level meter Serial no. W000N4

| Time | Leq (dx(A)) | Lma9 (dx(A)) | Lw0 (dx(A)) |
|---------------------|-------------|--------------|-------------|
| 11:00 AM - 12:00 PM | 4w4 | N1.6 | 43.w |
| 12:00 PM - 01:00 PM | 50.1 | N3.2 | 45.0 |
| 01:00 PM - 02:00 PM | 48.w | N0.3 | 44.6 |
| 02:00 PM - 03:00 PM | 50.1 | N2.0 | 44.w |
| 03:00 PM - 04:00 PM | 50.8 | N2.6 | 45.0 |
| 04:00 PM - 05:00 PM | 51.4 | N1.1 | 4N.1 |
| 05:00 PM - 06:00 PM | 52.2 | N2.8 | 4N.3 |
| 06:00 PM - 0N:00 PM | 51.1 | 68.1 | 4N.5 |
| 0N:00 PM - 08:00 PM | 50.3 | 6N.2 | 46.2 |
| 08:00 PM - 0w:00 PM | 50.0 | N2.w | 45.5 |
| 0w:00 PM - 10:00 PM | 4w4 | 6w4 | 45.6 |
| 10:00 PM - 11:00 PM | 50.5 | N3.3 | 44.8 |
| 11:00 PM - 12:00 AM | 4w2 | 6w2 | 45.1 |
| 12:00 AM - 01:00 AM | 48.1 | 68.3 | 44.1 |
| 01:00 AM - 02:00 AM | 4N.0 | 6N.5 | 42.5 |
| 02:00 AM - 03:00 AM | 45.8 | 6w2 | 42.4 |
| 03:00 AM - 04:00 AM | 45.8 | 62.w | 42.0 |
| 04:00 AM - 05:00 AM | 4N.3 | 62.N | 43.0 |
| 05:00 AM - 06:00 AM | 50.3 | 65.1 | 45.w |
| 06:00 AM - 0N:00 AM | 53.5 | N4.8 | 4N.8 |
| 0N:00 AM - 08:00 AM | 51.1 | 66.1 | 45.4 |
| 08:00 AM - 0w:00 AM | 4w8 | 68.1 | 44.6 |
| 0w:00 AM - 10:00 AM | 4w3 | N1.2 | 44.8 |
| 10:00 AM - 11:00 AM | 50.0 | 6w1 | 44.w |

Leq Average 24 hrs. (dx(A)) 50.0
Lma9 (dx(A)) N4.8
Lw0 (dx(A)) 44.w
Ldn (dx(A)) 55.w
Standard (dx(A)) N0 115

Reference Method : ISO1w6-1 and 1w6-2

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

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

Technical Management

Thanita K.

Thanita KulsuriBong
Scientist (4)

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 :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2517468

Date Received : Mar 04, 2025

Date Reported : Mar 08, 2025

Report Number: 3253208-1

Page 1 of 1

Sample Number 2517468-13
Parameter Noise (Leq 24 hrs.)
Location บ้านอ่าวประดู่ (ศูนย์บริการสาธารณสุขตากวน) (GPS 47P 0735578, 14027v2)
Measurement Date Mar 02 - Mar 03, 2025
Measurement by Satcha PhetsaBaeng
Sound Level meter Serial No. w00074

| Time | Leq (dx(A)) | Lma9 (dx(A)) | Lw0 (dx(A)) |
|---------------------|-------------|--------------|-------------|
| 11:00 AM - 12:00 PM | 48.6 | 67.1 | 44.0 |
| 12:00 PM - 01:00 PM | 48.w | 67.4 | 44.0 |
| 01:00 PM - 02:00 PM | 4w0 | 71.0 | 44.7 |
| 02:00 PM - 03:00 PM | 4w2 | 67.6 | 45.2 |
| 03:00 PM - 04:00 PM | 4w6 | 67.4 | 45.7 |
| 04:00 PM - 05:00 PM | 51.5 | 75.w | 46.8 |
| 05:00 PM - 06:00 PM | 54.w | 83.6 | 47.2 |
| 06:00 PM - 07:00 PM | 52.4 | 75.8 | 47.3 |
| 07:00 PM - 08:00 PM | 50.1 | 71.0 | 45.w |
| 08:00 PM - 0w:00 PM | 51.1 | 76.6 | 45.5 |
| 0w:00 PM - 10:00 PM | 4w4 | 70.6 | 45.2 |
| 10:00 PM - 11:00 PM | 48.w | 70.7 | 44.3 |
| 11:00 PM - 12:00 AM | 46.8 | 66.2 | 43.3 |
| 12:00 AM - 01:00 AM | 46.w | 68.1 | 43.5 |
| 01:00 AM - 02:00 AM | 45.2 | 62.0 | 41.w |
| 02:00 AM - 03:00 AM | 45.6 | 68.4 | 41.7 |
| 03:00 AM - 04:00 AM | 46.0 | 65.5 | 41.w |
| 04:00 AM - 05:00 AM | 47.5 | 65.1 | 43.0 |
| 05:00 AM - 06:00 AM | 51.8 | 68.7 | 46.3 |
| 06:00 AM - 07:00 AM | 54.5 | 82.1 | 48.0 |
| 07:00 AM - 08:00 AM | 54.3 | 74.5 | 47.0 |
| 08:00 AM - 0w:00 AM | 50.4 | 66.0 | 45.3 |
| 0w:00 AM - 10:00 AM | 50.4 | 72.0 | 44.6 |
| 10:00 AM - 11:00 AM | 53.4 | 74.4 | 47.1 |

Leq Average 24 hrs. (dx(A)) 50.7
Lma9 (dx(A)) 83.6
Lw0 (dx(A)) 45.2
Ldn (dx(A)) 56.1
Standard (dx(A)) 70 115

Reference Method : ISO1ww6-1 and 1ww6-2

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

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

Technical Management

Thanita K.

Thanita KulsuriBong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
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Analysis / Test Report

TESTING
No.0042

Client : Siam Polystyrene Co., Ltd.

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

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2517468

Date Received : Mar 04, 2025

Date Reported : Mar 08, 2025

Report number: 325320N-1

Page 1 of 1

| | |
|--------------------------|---|
| Sample Number | 25164q8-14 |
| Parameter | boise (LeG 24 hrs.) |
| Location | บ้านอ่าวประดู่ (ศูนย์บริการสาธารณสุขตากวน) (WPS 46P 0635568, 14026N2) |
| Measurement Date | Mar 03 - Mar 04, 2025 |
| Measurement by | Satcha PhetsaBaeng |
| Sound Level meter | Serial no. N00064 |

| Time | LeG (dx(A)) | Lma9 (dx(A)) | LNO (dx(A)) |
|---------------------|-------------|--------------|-------------|
| 11:00 AM - 12:00 PM | 4N.2 | q3.4 | 44.6 |
| 12:00 PM - 01:00 PM | 4N.3 | qN.6 | 44.0 |
| 01:00 PM - 02:00 PM | 48.6 | q5.2 | 44.1 |
| 02:00 PM - 03:00 PM | 4N.4 | 62.8 | 44.3 |
| 03:00 PM - 04:00 PM | 50.2 | qN.3 | 45.2 |
| 04:00 PM - 05:00 PM | 51.q | 60.q | 46.3 |
| 05:00 PM - 06:00 PM | 51.3 | 65.4 | 4q.q |
| 06:00 PM - 07:00 PM | 51.0 | q4.q | 46.4 |
| 07:00 PM - 08:00 PM | 4N.q | 62.5 | 45.0 |
| 08:00 PM - 09:00 PM | 4N.0 | 65.6 | 44.N |
| 09:00 PM - 10:00 PM | 48.q | q6.q | 44.2 |
| 10:00 PM - 11:00 PM | 46.6 | q5.8 | 43.2 |
| 11:00 PM - 12:00 AM | 46.6 | 60.4 | 43.0 |
| 12:00 AM - 01:00 AM | 46.4 | q4.q | 43.0 |
| 01:00 AM - 02:00 AM | 43.6 | q2.N | 40.q |
| 02:00 AM - 03:00 AM | 45.3 | q4.N | 3N.N |
| 03:00 AM - 04:00 AM | 4q.1 | q4.1 | 3N.N |
| 04:00 AM - 05:00 AM | 46.N | q2.8 | 42.1 |
| 05:00 AM - 06:00 AM | 51.4 | q5.5 | 4q.3 |
| 06:00 AM - 07:00 AM | 53.q | 65.q | 46.5 |
| 07:00 AM - 08:00 AM | 52.5 | 63.1 | 4q.q |
| 08:00 AM - 09:00 AM | 50.0 | qN.1 | 44.5 |
| 09:00 AM - 10:00 AM | 4N.4 | 62.1 | 43.2 |
| 10:00 AM - 11:00 AM | 50.0 | q6.6 | 43.6 |

| | | | |
|-----------------------------|------|------|------|
| LeG Average 24 hrs. (dx(A)) | 4N.6 | | |
| Lma9 (dx(A)) | | 65.6 | |
| LNO (dx(A)) | | | 44.2 |
| Ldn (dx(A)) | 55.5 | | |
| Standard (dx(A)) | 60 | 115 | |

Reference Method : ISO11119-1 and 11119-2

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 16025.

Technical Management

Thanita K.

Thanita KulsuriBong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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

Life Sciences

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RIGHT SOLUTIONS RIGHT PARTNER



Analysis / Test Report

TESTING
No.0042

Client : Siam Polystyrene Co., Ltd.

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

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2517468

Date Received : Mar 04, 2025

Date Reported : Mar 08, 2025

Report 9um6er: 3253210-1

Page 1 of 1

Sample Number 251b4f8-15
Parameter 9oise (Le7 24 hrs.)
Location ร่มรั้วโครงการด้านทิศใต้ (qPS 4bP 0b33b2b, 1404233)
Measurement Date Ge6 25 - Ge6 2f, 2025
Measurement by Satcha PhetsaF aeng
Sound Level meter Serial 9o. f 233w4

| Time | Le7 (dB(A)) | Lmax (dB(A)) | Lw0 (dB(A)) |
|----------------------|-------------|--------------|-------------|
| 11:00 AM - 12:00 PM | f 2.3 | f b.4 | f 1.8 |
| 12:00 PM - 01:00 PM | f 2.1 | f 5.w | f 1.f |
| 01:00 PM - 02:00 PM | f 1.8 | b1.2 | f 1.3 |
| 02:00 PM - 03:00 PM | f 2.0 | b5.2 | f 1.5 |
| 03:00 PM - 04:00 PM | f 2.5 | b2.2 | f 1.w |
| 04:00 PM - 05:00 PM | f 2.f | b3.0 | f 2.1 |
| 05:00 PM - 0f :00 PM | f 2.w | b2.1 | f 2.3 |
| 0f :00 PM - 0b:00 PM | f 3.4 | f w4 | f 2.w |
| 0b:00 PM - 08:00 PM | f 3.1 | f b.8 | f 2.f |
| 08:00 PM - 0w:00 PM | f 3.2 | f b.0 | f 2.f |
| 0w:00 PM - 10:00 PM | f 3.1 | ff .1 | f 2.b |
| 10:00 PM - 11:00 PM | f 3.2 | f 5.b | f 2.b |
| 11:00 PM - 12:00 AM | f 2.w | b5.b | f 2.4 |
| 12:00 AM - 01:00 AM | f 3.1 | f w1 | f 2.f |
| 01:00 AM - 02:00 AM | f 3.3 | b1.b | f 2.8 |
| 02:00 AM - 03:00 AM | f 3.1 | f b.4 | f 2.f |
| 03:00 AM - 04:00 AM | f 3.f | b4.f | f 2.8 |
| 04:00 AM - 05:00 AM | f 3.3 | ff .2 | f 2.8 |
| 05:00 AM - 0f :00 AM | f 3.3 | ff .3 | f 2.w |
| 0f :00 AM - 0b:00 AM | f 3.f | f 8.4 | f 3.0 |
| 0b:00 AM - 08:00 AM | f 3.4 | b0.0 | f 2.8 |
| 08:00 AM - 0w:00 AM | b1.2 | 8ww | f 5.4 |
| 0w:00 AM - 10:00 AM | f 5.b | 83.f | f 2.3 |
| 10:00 AM - 11:00 AM | f 2.f | 82.3 | f 1.b |

Le7 Average 24 hrs. (dB(A)) f 4.0
Lmax (dB(A)) 8ww
Lw0 (dB(A)) f 2.f
Ldn (dB(A)) f ww
Standard (dB(A)) b0 115

Reference Method : ISO1wvf-1 and 1wvf-2

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

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

Technical Management

Thanita K.

Thanita KulsuriFong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Life Sciences

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RIGHT SOLUTIONS RIGHT PARTNER



Analysis / Test Report

TESTING
No.0042

Client : Siam Polystyrene Co., Ltd.

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

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2517468

Date Received : Mar 04, 2025

Date Reported : Mar 08, 2025

Report 9um6er: 3253211-1

Page 1 of 1

Sample Number 251b4f8-1f
Parameter 9oise (Le7 24 hrs.)
Location ร่มรั้วโครงการด้านทิศใต้ (qPS 4bP 0b33b2b, 1404233)
Measurement Date Ge6 2f - Ge6 2b, 2025
Measurement by Satcha PhetsaF aeng
Sound Level meter Serial 9o. f 233w4

| Time | Le7 (dB(A)) | Lmax (dB(A)) | Lw0 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 11:00 AM - 12:00 PM | f 2.0 | b0.0 | f 1.2 |
| 12:00 PM - 01:00 PM | f 1.b | f b.0 | f 1.2 |
| 01:00 PM - 02:00 PM | f 2.1 | 80.b | f 1.1 |
| 02:00 PM - 03:00 PM | f 1.w | f w.4 | f 1.4 |
| 03:00 PM - 04:00 PM | f 1.f | b3.0 | f 1.1 |
| 04:00 PM - 05:00 PM | f 2.0 | f 8.b | f 1.4 |
| 05:00 PM - 06:00 PM | f 2.8 | b4.8 | f 2.1 |
| 06:00 PM - 07:00 PM | f 4.4 | bw.4 | f 2.8 |
| 07:00 PM - 08:00 PM | f 2.f | f w.5 | f 2.2 |
| 08:00 PM - 09:00 PM | f 2.b | f f.3 | f 2.2 |
| 09:00 PM - 10:00 PM | f 2.f | f 5.2 | f 2.2 |
| 10:00 PM - 11:00 PM | f 2.b | f f.2 | f 2.2 |
| 11:00 PM - 12:00 AM | f 2.w | b5.w | f 2.5 |
| 12:00 AM - 01:00 AM | f 2.w | f b.3 | f 2.f |
| 01:00 AM - 02:00 AM | f 2.8 | f 4.5 | f 2.4 |
| 02:00 AM - 03:00 AM | f 3.0 | f 4.2 | f 2.b |
| 03:00 AM - 04:00 AM | f 3.0 | f 5.1 | f 2.f |
| 04:00 AM - 05:00 AM | f 2.b | f 5.3 | f 2.3 |
| 05:00 AM - 06:00 AM | f 3.0 | f f.1 | f 2.f |
| 06:00 AM - 07:00 AM | f 3.1 | f 8.4 | f 2.b |
| 07:00 AM - 08:00 AM | f 2.8 | b8.3 | f 2.3 |
| 08:00 AM - 09:00 AM | f 2.2 | f b.0 | f 1.b |
| 09:00 AM - 10:00 AM | f 1.w | b0.f | f 1.3 |
| 10:00 AM - 11:00 AM | f 2.0 | b0.b | f 1.5 |

Le7 Average 24 hrs. (dB(A)) f 2.f
Lmax (dB(A)) 80.b
Lw0 (dB(A)) f 2.2
Ldn (dB(A)) f w.3
Standard (dB(A)) b0 115

Reference Method : ISO1wvf-1 and 1wvf-2

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

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

Technical Management

Thanita K.

Thanita KulsuriFong
Scientist (4)

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 :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2517468

Date Received : Mar 04, 2025

Date Reported : Mar 08, 2025

Report 9um6er: 3253212-1

Page 1 of 1

Sample Number 251b4f8-1b
Parameter 9oise (Le7 24 hrs.)
Location ร่มรั้วโครงการด้านทิศใต้ (qPS 4bP 0b33b2b, 1404233)
Measurement Date Ge6 2b - Ge6 28, 2025
Measurement by Satcha PhetsaF aeng
Sound Level meter Serial 9o. f 233w4

| Time | Le7 (dB(A)) | Lmax (dB(A)) | Lw0 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 11:00 AM - 12:00 PM | f 1.b | f 8.1 | f 1.2 |
| 12:00 PM - 01:00 PM | f 1.4 | f b.5 | f 0.w |
| 01:00 PM - 02:00 PM | f 1.b | b5.4 | f 1.0 |
| 02:00 PM - 03:00 PM | f 1.8 | b3.3 | f 1.1 |
| 03:00 PM - 04:00 PM | f 2.3 | b3.3 | f 1.5 |
| 04:00 PM - 05:00 PM | f 2.3 | b2.8 | f 1.f |
| 05:00 PM - 06:00 PM | f 2.8 | b0.0 | f 2.1 |
| 06:00 PM - 07:00 PM | f 3.0 | b4.f | f 2.3 |
| 07:00 PM - 08:00 PM | f 2.f | f w1 | f 2.0 |
| 08:00 PM - 09:00 PM | f 2.5 | f wb | f 2.0 |
| 09:00 PM - 10:00 PM | f 2.2 | f 5.1 | f 1.8 |
| 10:00 PM - 11:00 PM | f 2.4 | f f.b | f 2.1 |
| 11:00 PM - 12:00 AM | f 2.f | f b.3 | f 2.2 |
| 12:00 AM - 01:00 AM | f 2.4 | f 4.w | f 2.0 |
| 01:00 AM - 02:00 AM | f 2.3 | f b.1 | f 1.8 |
| 02:00 AM - 03:00 AM | f 2.3 | f f.4 | f 1.w |
| 03:00 AM - 04:00 AM | f 2.5 | f 5.1 | f 2.1 |
| 04:00 AM - 05:00 AM | f 2.f | f 5.0 | f 2.1 |
| 05:00 AM - 06:00 AM | f 2.f | f f.f | f 2.1 |
| 06:00 AM - 07:00 AM | f 3.0 | b3.2 | f 2.5 |
| 07:00 AM - 08:00 AM | f 2.w | f w8 | f 2.4 |
| 08:00 AM - 09:00 AM | f 2.3 | f 8.8 | f 1.b |
| 09:00 AM - 10:00 AM | f 2.0 | b4.1 | f 1.4 |
| 10:00 AM - 11:00 AM | f 1.f | b2.b | f 1.0 |

Le7 Average 24 hrs. (dB(A)) f 2.3
Lmax (dB(A)) b5.4
Lw0 (dB(A)) f 1.w
Ldn (dB(A)) f 8.w
Standard (dB(A)) b0 115

Reference Method : ISO1wvf-1 and 1wvf-2

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

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

Technical Management

Thanita K.

Thanita KulsuriFong
Scientist (4)

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 :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2517468

Date Received : Mar 04, 2025

Date Reported : Mar 08, 2025

Report 9um6er: 3253213-1

Page 1 of 1

Sample Number 251b4f8-18
Parameter 9oise (Le7 24 hrs.)
Location ร่มรั้วโครงการด้านทิศใต้ (qPS 4bP 0b33b2b, 1404233)
Measurement Date Ge6 28 - Mar 01, 2025
Measurement by Satcha PhetsaF aeng
Sound Level meter Serial 9o. f 233w4

| Time | Le7 (dB(A)) | Lmax (dB(A)) | Lw0 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 11:00 AM - 12:00 PM | f 1.5 | b1.1 | f 0.w |
| 12:00 PM - 01:00 PM | f 1.2 | f f.8 | f 0.f |
| 01:00 PM - 02:00 PM | f 1.4 | f 8.5 | f 0.8 |
| 02:00 PM - 03:00 PM | f 1.w | b1.w | f 1.2 |
| 03:00 PM - 04:00 PM | f 2.1 | b0.2 | f 1.5 |
| 04:00 PM - 05:00 PM | f 2.2 | bb.w | f 1.5 |
| 05:00 PM - 06:00 PM | f 2.f | 81.8 | f 1.f |
| 06:00 PM - 07:00 PM | f 2.8 | 82.3 | f 2.1 |
| 07:00 PM - 08:00 PM | f 2.5 | f w.8 | f 2.0 |
| 08:00 PM - 09:00 PM | f 2.f | b0.0 | f 2.2 |
| 09:00 PM - 10:00 PM | f 2.f | f 5.w | f 2.3 |
| 10:00 PM - 11:00 PM | f 2.b | f f.8 | f 2.3 |
| 11:00 PM - 12:00 AM | f 2.4 | f 5.8 | f 2.1 |
| 12:00 AM - 01:00 AM | f 2.4 | f 5.3 | f 2.0 |
| 01:00 AM - 02:00 AM | f 2.0 | b4.4 | f 1.f |
| 02:00 AM - 03:00 AM | f 2.2 | f 4.f | f 1.b |
| 03:00 AM - 04:00 AM | f 2.1 | f b.0 | f 1.b |
| 04:00 AM - 05:00 AM | f 2.1 | f 4.w | f 1.b |
| 05:00 AM - 06:00 AM | f 2.4 | f b.5 | f 2.0 |
| 06:00 AM - 07:00 AM | f 2.w | f 8.w | f 2.4 |
| 07:00 AM - 08:00 AM | f 2.8 | b0.8 | f 2.2 |
| 08:00 AM - 09:00 AM | f 2.3 | b0.8 | f 1.b |
| 09:00 AM - 10:00 AM | f 1.b | f w.3 | f 1.2 |
| 10:00 AM - 11:00 AM | f 1.f | b8.2 | f 1.0 |

Le7 Average 24 hrs. (dB(A)) f 2.2
Lmax (dB(A)) 82.3
Lw0 (dB(A)) f 1.b
Ldn (dB(A)) f 8.8
Standard (dB(A)) b0 115

Reference Method : ISO1wvf-1 and 1wvf-2

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

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

Technical Management

Thanita K.

Thanita KulsuriFong
Scientist (4)

Approved by

Supt S.

Supt 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 :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2517468

Date Received : Mar 04, 2025

Date Reported : Mar 08, 2025

Report Number: 3253214-1

Page 1 of 1

| | |
|--------------------------|---|
| Sample Number | 2517468-1q |
| Parameter | Noise (LeG 24 hrs.) |
| Location | ริมรั้วโครงการด้านทิศใต้ (wPS 47P 0733727, 1404233) |
| Measurement Date | Mar 01 - Mar 02, 2025 |
| Measurement by | Satcha PhetsaBaeng |
| Sound Level meter | Serial No. 6233q4 |

| Time | LeG (dx(A)) | Lma9 (dx(A)) | Lq0 (dx(A)) |
|---------------------|-------------|--------------|-------------|
| 11:00 AM - 12:00 PM | 61.3 | 6q.4 | 60.8 |
| 12:00 PM - 01:00 PM | 60.q | 6q.0 | 60.3 |
| 01:00 PM - 02:00 PM | 61.3 | 67.1 | 60.8 |
| 02:00 PM - 03:00 PM | 61.4 | 68.3 | 60.8 |
| 03:00 PM - 04:00 PM | 61.5 | 70.8 | 61.0 |
| 04:00 PM - 05:00 PM | 62.0 | 72.3 | 61.4 |
| 05:00 PM - 06:00 PM | 62.3 | 74.5 | 61.6 |
| 06:00 PM - 07:00 PM | 62.8 | 70.q | 62.2 |
| 07:00 PM - 08:00 PM | 62.3 | 74.2 | 61.8 |
| 08:00 PM - 0q:00 PM | 62.1 | 68.6 | 61.7 |
| 0q:00 PM - 10:00 PM | 61.q | 67.5 | 61.5 |
| 10:00 PM - 11:00 PM | 62.1 | 71.0 | 61.7 |
| 11:00 PM - 12:00 AM | 62.2 | 64.7 | 61.8 |
| 12:00 AM - 01:00 AM | 62.2 | 68.1 | 61.7 |
| 01:00 AM - 02:00 AM | 62.0 | 67.5 | 61.5 |
| 02:00 AM - 03:00 AM | 61.q | 6q.7 | 61.4 |
| 03:00 AM - 04:00 AM | 62.1 | 66.4 | 61.7 |
| 04:00 AM - 05:00 AM | 62.2 | 65.8 | 61.8 |
| 05:00 AM - 06:00 AM | 62.3 | 6q.7 | 61.q |
| 06:00 AM - 07:00 AM | 62.6 | 70.8 | 62.0 |
| 07:00 AM - 08:00 AM | 62.4 | 71.q | 61.8 |
| 08:00 AM - 0q:00 AM | 61.8 | 70.6 | 61.2 |
| 0q:00 AM - 10:00 AM | 61.7 | 64.5 | 61.1 |
| 10:00 AM - 11:00 AM | 60.q | 63.0 | 60.5 |

| | | | |
|-----------------------------|------|------|------|
| LeG Average 24 hrs. (dx(A)) | 62.0 | | |
| Lma9 (dx(A)) | | 74.5 | |
| Lq0 (dx(A)) | | | 61.5 |
| Ldn (dx(A)) | 68.5 | | |
| Standard (dx(A)) | 70 | 115 | |

Reference Method : ISO1qq6-1 and 1qq6-2

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

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

Technical Management

Thanita K.

Thanita KulsuriBong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head



Analysis / Test Report

TESTING
No.0042

Client : Siam Polystyrene Co., Ltd.

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

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2517468

Date Received : Mar 04, 2025

Date Reported : Mar 08, 2025

Report Number: 3253215-1

Page 1 of 1

Sample Number 2517468-20
Parameter Noise (Leq 24 hrs.)
Location ร่มรั้วโครงการด้านทิศใต้ (GPS 47P 0733727, 1404233)
Measurement Date Mar 02 - Mar 03, 2025
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 6233B4

| Time | Leq (dx(A)) | Lma9 (dx(A)) | LB0 (dx(A)) |
|---------------------|-------------|--------------|-------------|
| 11:00 AM - 12:00 PM | 61.1 | 68.8 | 60.6 |
| 12:00 PM - 01:00 PM | 61.0 | 64.8 | 60.4 |
| 01:00 PM - 02:00 PM | 61.0 | 67.0 | 60.5 |
| 02:00 PM - 03:00 PM | 61.2 | 71.7 | 60.6 |
| 03:00 PM - 04:00 PM | 61.2 | 66.2 | 60.7 |
| 04:00 PM - 05:00 PM | 61.5 | 68.2 | 60.8 |
| 05:00 PM - 06:00 PM | 61.8 | 72.2 | 61.3 |
| 06:00 PM - 07:00 PM | 62.4 | 71.8 | 61.7 |
| 07:00 PM - 08:00 PM | 62.0 | 68.4 | 61.5 |
| 08:00 PM - 08:00 PM | 62.1 | 71.1 | 61.6 |
| 08:00 PM - 10:00 PM | 62.1 | 67.6 | 61.7 |
| 10:00 PM - 11:00 PM | 62.1 | 68.8 | 61.6 |
| 11:00 PM - 12:00 AM | 62.2 | 71.7 | 61.7 |
| 12:00 AM - 01:00 AM | 61.8 | 68.1 | 61.4 |
| 01:00 AM - 02:00 AM | 61.8 | 68.1 | 61.3 |
| 02:00 AM - 03:00 AM | 61.8 | 67.1 | 61.5 |
| 03:00 AM - 04:00 AM | 62.0 | 68.2 | 61.6 |
| 04:00 AM - 05:00 AM | 62.1 | 65.3 | 61.6 |
| 05:00 AM - 06:00 AM | 62.3 | 68.7 | 61.8 |
| 06:00 AM - 07:00 AM | 62.8 | 70.4 | 62.2 |
| 07:00 AM - 08:00 AM | 62.8 | 72.3 | 62.3 |
| 08:00 AM - 08:00 AM | 62.4 | 70.6 | 61.8 |
| 08:00 AM - 10:00 AM | 61.8 | 66.1 | 61.4 |
| 10:00 AM - 11:00 AM | 61.8 | 68.0 | 61.4 |

Leq Average 24 hrs. (dx(A)) 61.8
Lma9 (dx(A)) 72.3
LB0 (dx(A)) 61.5
Ldn (dx(A)) 68.5
Standard (dx(A)) 70 115

Reference Method : ISO1BB6-1 and 1BB6-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

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 :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2517468

Date Received : Mar 04, 2025

Date Reported : Mar 08, 2025

Report number: 325321N-1

Page 1 of 1

Sample Number 25164N8-21
Parameter boise (Leq 24 hrs.)
Location ริมรั้วโครงการด้านทิศใต้ (GPS 46P 0633626, 1404233)
Measurement Date Mar 03 - Mar 04, 2025
Measurement by Satcha Phetsawaeng
Sound Level meter Serial no. N233B4

| Time | Leq (dx(A)) | Lma9 (dx(A)) | LB0 (dx(A)) |
|---------------------|-------------|--------------|-------------|
| 11:00 AM - 12:00 PM | N3.5 | 83.3 | N0.8 |
| 12:00 PM - 01:00 PM | N1.3 | N8.1 | N0.6 |
| 01:00 PM - 02:00 PM | N1.5 | 64.8 | N0.8 |
| 02:00 PM - 03:00 PM | N1.5 | N6.8 | N1.0 |
| 03:00 PM - 04:00 PM | N1.8 | 60.8 | N1.1 |
| 04:00 PM - 05:00 PM | N1.N | 60.3 | N1.0 |
| 05:00 PM - 0N:00 PM | N2.2 | 63.8 | N1.3 |
| 0N:00 PM - 06:00 PM | N3.1 | 66.4 | N2.2 |
| 06:00 PM - 08:00 PM | N2.2 | 63.0 | N1.N |
| 08:00 PM - 08:00 PM | N1.8 | N6.3 | N1.3 |
| 08:00 PM - 10:00 PM | N1.N | 61.5 | N1.2 |
| 10:00 PM - 11:00 PM | N1.6 | N6.N | N1.2 |
| 11:00 PM - 12:00 AM | N1.6 | 64.N | N1.2 |
| 12:00 AM - 01:00 AM | N1.B | N8.6 | N1.4 |
| 01:00 AM - 02:00 AM | N1.8 | N6.0 | N1.4 |
| 02:00 AM - 03:00 AM | N1.B | 60.2 | N1.4 |
| 03:00 AM - 04:00 AM | N1.B | 61.8 | N1.4 |
| 04:00 AM - 05:00 AM | N1.B | 65.8 | N1.4 |
| 05:00 AM - 0N:00 AM | N2.0 | N8.8 | N1.N |
| 0N:00 AM - 06:00 AM | N2.5 | 64.5 | N2.0 |
| 06:00 AM - 08:00 AM | N2.4 | 61.8 | N1.8 |
| 08:00 AM - 08:00 AM | N1.B | 60.1 | N1.4 |
| 08:00 AM - 10:00 AM | N1.5 | N8.0 | N1.0 |
| 10:00 AM - 11:00 AM | N2.0 | 80.N | N1.1 |

Leq Average 24 hrs. (dx(A))

N2.0

Lma9 (dx(A))

83.3

LB0 (dx(A))

N1.3

Ldn (dx(A))

N8.4

Standard (dx(A))

60

115

Reference Method : ISO1BBN-1 and 1BBN-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 16025.

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supt S.

Supt Salameh
Section Head

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ภาคผนวก ค-4

คุณภาพน้ำทิ้ง



Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

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

P/O :

Project Name : Water Testing

Project Location : Map Ta Phut_PS (SPCL)

TESTING

No.0042

Lot ID: 24143555

Date Received : Jan 08, 2025

Date Reported : Jan 16, 2025

Report Number : 3200955-1

Page 1 of 2

| | |
|--------------------------------|---|
| Sample Number | 24143555-1 |
| Sampled Date | Jan 08, 2025 9:44 AM |
| Sample Description | Wastewater |
| Location | ES-1890 |
| Date Analysis Commenced | Jan 08, 2025 |
| Condition of Sample | Contained in two glass vials, two amber glass bottles and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA) |

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|--|----------|-----|-----------|--------|---------------------------|--|------------------|
| Water Testing | | | | | | | |
| BOD (5 days at 20 Degree C) | mg/L | - | 2.0 | <2.0 | ≤20 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G | Rayong |
| COD | mg/L | 1.5 | 25 | 32 | ≤120 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D | Rayong |
| Color (at Original pH) | ADMI | - | 5 | 14 | ≤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 | 11 | ≤300 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F | Rayong |
| Oil & Grease | mg/L | - | 3 | <3 | ≤5 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B | Rayong |
| pH at 25 degree C | | - | - | 7.7 | 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 | - | - | 27.1 | ≤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 | 956 | ≤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 | 8 | ≤50 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D | Rayong |

Technical Management

Photchana S.

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Chumson.

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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.
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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

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

P/O :

Project Name : Water Testing

Project Location: Map Ta Phut_PS (SPCL)

TESTING

No.0042

Lot ID: 24143555

Date Received : Jan 08, 2025

Date Reported : Jan 16, 2025

Report Number : 3200955-1

Page 2 of 2

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

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

Remark :

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

Technical Management

Photchana S.

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon.

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

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

P/O :

Project Name : Water Testing

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 24143555

Date Received : Jan 08, 2025

Date Reported : Jan 16, 2025

Report Number : 3200955-2

Page 1 of 1

| | | | | | | | |
|--------------------------------|---|--|--|--|--|--|--|
| Sample Number | 24143555-1 | | | | | | |
| Sampled Date | Jan 08, 2025 9:44 AM | | | | | | |
| Sample Description | Wastewater | | | | | | |
| Location | ES-1890 | | | | | | |
| Date Analysis Commenced | Jan 10, 2025 | | | | | | |
| Condition of Sample | Contained in two glass vials, two amber glass bottles and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA) | | | | | | |

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|----------------------|------|------|-----------|--------|---------------------------|---|------------------|
| Water Testing | | | | | | | |
| Total Organic Carbon | mg/L | 0.01 | 0.1 | 12.5 | No Standard | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5310 B | Bangkok |

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

Sampling By : Surawit Narapong , Thanasoun Namakunna

Remark :

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

Approved by

Narin Saiseng
Supervisor

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

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Analysis / Test Report

TESTING

No.0042

Lot ID: 255379

Gate Re3ei9ed : cev 05, 2025

Gate Reported : cev 14, 2025

Report bumver : N215N_W1

Client : Siam Polystyrene Co., Ltd.

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

P/O : 451W_12284

Project Name : (ater Testing

Project Location : Map Ta Phut) PS JSPCLD

Page 1 of 2

| | |
|--------------------------------|--|
| Sample Number | 255Nw_-1 |
| Sampled Date | cev 05, 2025 _:4wAM |
| Sample Description | (asteHater |
| Location | ES-18_0 |
| Date Analysis Commenced | cev 05, 2025 |
| Condition of Sample | Contained in thO amver glass vottles, thO glass 9ials and three plasti3 vottles, sample 3ontainers 3omply to pretreatment - preser9ation standards JAPUA, BSEPAD |

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|--|----------|-----|-----------|--------|---------------------------|---|------------------|
| Water Testing | | | | | | | |
| Ox 6 J5 days at 20 6egree CD | mg/L | - | 2.0 | <2.0 | ≤20 | Standard Methods for the E&amination of (ater and (asteHater. APUA, A((A F (Ec, 24th ed., 202N, part 5210 O, part 4500 - x G | Rayong |
| Cx 6 | mg/L | 1.5 | 25 | 2_ | ≤120 | Standard Methods for the E&amination of (ater and (asteHater. APUA, A((A F (Ec, 24th ed., 202N, part 5220 6 | Rayong |
| Color Jat x riginal pUD | A6 MI | - | 5 | 21 | ≤N00 | Standard Methods for the E&amination of (ater and (asteHater. APUA, A((A F (Ec, 24th ed., 202N, part 2120 c | Rayong |
| Color Jat pU w.0D | A6 MI | - | 5 | 20 | ≤N00 | Standard Methods for the E&amination of (ater and (asteHater. APUA, A((A F (Ec, 24th ed., 202N, part 2120 c | Rayong |
| x il F Grease | mg/L | - | N | <N | ≤5 | Standard Methods for the E&amination of (ater and (asteHater. APUA, A((A F (Ec, 24th ed., 202N, part 5520 O | Rayong |
| pU at 25 degree C | | - | - | W8 | 5.5-_.0 | Standard Methods for the E&amination of (ater and (asteHater. APUA, A((A F (Ec, 24th ed., 202N, part 4500 - U JOD | Rayong |
| Temperature 7 | 6egree C | - | - | 28.2 | ≤40 | Standard Methods for the E&amination of (ater and (asteHater. APUA, A((A F (Ec, 24th ed., 202N, part 2550 O | Rayong |
| Total 6issol9ed Solids 6ried at 180 degree C | mg/L | - | 5 | 2_0 | ≤N000 | Standard Methods for the E&amination of (ater and (asteHater. APUA, A((A F (Ec, 24th ed., 202N, part 2540 C | Rayong |
| Total Suspended Solids 6ried at 10N-105 degree C | mg/L | - | 5 | 1W | ≤50 | Standard Methods for the E&amination of (ater and (asteHater. APUA, A((A F (Ec, 24th ed., 202N, part 2540 6 | Rayong |

Technical Management

Photchana S.

Phot3hana Seeda

S3ientist J4D

ทะเบียนเลขที่ ว-N2N-จ-0028

Approved by

D. Chinnon.

6e* Chang3hon

Senior Manager

ทะเบียนเลขที่ ว-N2N-ค-0001

Results apply to the sample3sDas suvmitted, unless the sampling Has 3ondu3ited vy ALS. The report shall not ve reprodu3ed e&3ept in full Hithout the Hritten appro9al of the lavoratory.

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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 : 451W_12284

Project Name : (ater Testing

Project Location : Map Ta Phut) PS JSPCLD

Lot ID: 255379

6ate Re3ei9ed : cev 05, 2025

6ate Reported : cev 14, 2025

Report bumver : N215N_W1

Page 2 of 2

Guideline : Effluent standard for factories, industrial estate and industrial park set by botification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by botification of The Ministry of Industry dated June 04, O.E.2550 J201WD

Sampling By : Surahit barapong ทะเบียนเลขที่ ว-น2น-จ-0011 , Thanasoun bama\unna ทะเบียนเลขที่ ว-204-จ-0101

Remark :

- Lx 6 : Limit of detection
- "<" : Lower than Lx Q Limit of Quantitation/ Lx R Limit of Reporting
- Analytes marked 7 is/are not included in scope of Accreditation ISx/IEC 1w025.

Technical Management

Photchana S.

Photchana Seeda

Scientist J4D

ทะเบียนเลขที่ ว-น2น-จ-0028

Approved by

D. Chonson.

6e* Changchon

Senior Manager

ทะเบียนเลขที่ ว-น2น-ค-0001

Results apply to the samples submitted, unless the sampling has been conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4516912284
Project Name : Water Testing
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 255379

Date Received : Feb 05, 2025
Date Reported : Feb 14, 2025
Report Number : 3215396-2

Page 1 of 1

Sample Number 255379-1
Sampled Date Feb 05, 2025 9:47 AM
Sample Description Wastewater
Location ES-1890
Date Analysis Commenced Feb 07, 2025
Condition of Sample Contained in two amber glass bottles, two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|----------------------|------|------|-----------|--------|---------------------------|---|------------------|
| Water Testing | | | | | | | |
| Total Organic Carbon | mg/L | 0.01 | 0.1 | 11.1 | No Standard | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5310 B | Bangkok |

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

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

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7781-41/ EMAIL

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TESTING
No.0042

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 : 451W12284
Project Name : (ater Testing
Project Location : Map Ta Phut) PS JSPCLD

Lot ID: 2517631

cate Revei6ed : Mar 05, 2025
cate Reported : Mar 13, 2025
Report 9 umNer : 3242532-1

Page 1 ob2

Sample Number 251fV01-1
Sampled Date Mar 05, 2025 _:35 AM
Sample Description (astewater
Location ES-18_0
Date Analysis Commenced Mar 05, 2025
Condition of Sample Contained in two glass 6ials, two amNer glass Nottles and three plastiv Nottles. Sample vontainers vompily to pretreatment - preservation standards JAPHA / USEPAD

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|---|----------|-----|-----------|--------|---------------------------|---|------------------|
| Water Testing | | | | | | | |
| BOc J5 days at 20 cegree CD | mg/L | - | 2.0 | 2.1 | ≤20 | Standard Methods for the Examination of Water and Wastewater. APHA, A((A & (EF, 24th ed., 2023, part 5210 B, part 4500 - O G | Rayong |
| COc | mg/L | 1.5 | 25 | 33 | ≤120 | Standard Methods for the Examination of Water and Wastewater. APHA, A((A & (EF, 24th ed., 2023, part 5220 c | Rayong |
| Color Jat Original pH D | Ac MI | - | 5 | 1W | ≤300 | Standard Methods for the Examination of Water and Wastewater. APHA, A((A & (EF, 24th ed., 2023, part 2120 F | Rayong |
| Color Jat pH f .0D | Ac MI | - | 5 | 14 | ≤300 | Standard Methods for the Examination of Water and Wastewater. APHA, A((A & (EF, 24th ed., 2023, part 2120 F | Rayong |
| Oil & Grease | mg/L | - | 3 | <3 | ≤5 | Standard Methods for the Examination of Water and Wastewater. APHA, A((A & (EF, 24th ed., 2023, part 5520 B | Rayong |
| pH at 25 degree C | | - | - | 8.1 | 5.5- _ .0 | Standard Methods for the Examination of Water and Wastewater. APHA, A((A & (EF, 24th ed., 2023, part 4500 - H JBD | Rayong |
| Temperature 7 | cegree C | - | - | 31.5 | ≤40 | Standard Methods for the Examination of Water and Wastewater. APHA, A((A & (EF, 24th ed., 2023, part 2550 B | Rayong |
| Total c issolved Solids c ried at 180 degree C | mg/L | - | 5 | 840 | ≤3000 | Standard Methods for the Examination of Water and Wastewater. APHA, A((A & (EF, 24th ed., 2023, part 2540 C | Rayong |
| Total Suspended Solids c ried at 103-105 degree C | mg/L | - | 5 | — | ≤50 | Standard Methods for the Examination of Water and Wastewater. APHA, A((A & (EF, 24th ed., 2023, part 2540 c | Rayong |

Technical Management

Photchana S.

Photvhana Seeda
Svientist J4D

ทะเบียนเลขที่ จ-323-จ-0028

Approved by

D. Chumson.

ce* Changvhon
Senior Manager

ทะเบียนเลขที่ จ-323-ค-0001

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

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TESTING
No.0042

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 : 451W12284
Project Name : (ater Testing
Project Location : Map Ta Phut) PS JSPCLD

Lot ID: 2517631

cate Revei6ed : Mar 05, 2025
cate Reported : Mar 13, 2025
Report 9 umNer : 3242532-1

Page 2 ob2

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 0f, B.E.25W0 J201f D
Sampling By : Surawit 9 arapong ทะเบียนเลขที่ ว-323-จ-0011 , Pattarapol Sawang 6 itam ทะเบียนเลขที่ ว-204-จ-0002

Remar\ :

- LOC : Limit of detection
- "<" : Lower than LOQ Limit of Quantitation/ LOR Limit of Reporting
- Analytes marked 7 is/are not included in scope of Accreditation ISO/IEC 1f 025.
- Sampling is not included in scope of accreditation ISO/IEC 1f 025

Technical Management

Photchana S.

Photvhana Seeda
Scientist J4D

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Chumson.

ce* Changvhon
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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

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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4516912284
Project Name : Water Testing
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2517631

Date Received : Mar 05, 2025
Date Reported : Mar 13, 2025
Report Number : 3242532-2

Page 1 of 1

Sample Number 2517631-1
Sampled Date Mar 05, 2025 9:35 AM
Sample Description Wastewater
Location ES-1890
Date Analysis Commenced Mar 07, 2025
Condition of Sample Contained in two glass vials, two amber glass bottles and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|----------------------|------|------|-----------|--------|---------------------------|---|------------------|
| Water Testing | | | | | | | |
| Total Organic Carbon | mg/L | 0.01 | 0.1 | 14.8 | No Standard | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5310 B | Bangkok |

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

Sampling By : Surawit Narapong , Pattarapol Sawangjaitam

Remark :

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

Approved by

Siriluk P.

Siriluk Bunnak
Section Head

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Analysis / Test Report

TESTING

No.0042

Lot ID: 2527549

Date Received : Apr 02, 2025

Date Reported : Apr 11, 2025

Report Number : 3264584-1

Client : Siam Polystyrene Co., Ltd.

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

P/O : 4516912284

Project Name : Water Testing

Project Location : Map Ta Phut_PS (SPCL)

Page 1 of 2

| | |
|--------------------------------|---|
| Sample Number | 2527549-1 |
| Sampled Date | Apr 02, 2025 9:15 AM |
| Sample Description | Wastewater |
| Location | ES-1890 |
| Date Analysis Commenced | Apr 02, 2025 |
| Condition of Sample | Contained in one amber glass bottle, two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA) |

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|--|----------|-----|-----------|--------|---------------------------|--|------------------|
| Water Testing | | | | | | | |
| BOD (5 days at 20 Degree C) | mg/L | - | 2.0 | <2.0 | ≤20 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G | Rayong |
| COD | mg/L | 1.5 | 25 | 41 | ≤120 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D | Rayong |
| Color (at Original pH) | ADMI | - | 5 | 11 | ≤300 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F | Rayong |
| Color (at pH 7.0) | ADMI | - | 5 | 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 | | - | - | 7.6 | 5.5-9.0 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B) | Rayong |
| Temperature * | Degree C | - | - | 31.4 | ≤40 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B | Rayong |
| Total Dissolved Solids Dried at 180 degree C | mg/L | - | 5 | 756 | ≤3000 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C | Rayong |
| Total Suspended Solids Dried at 103-105 degree C | mg/L | - | 5 | 6 | ≤50 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D | Rayong |

Technical Management

Photchana S.

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Chumson.

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING

No.0042

Lot ID: 2527549

Date Received : Apr 02, 2025

Date Reported : Apr 11, 2025

Report Number : 3264584-1

Client : Siam Polystyrene Co., Ltd.

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

P/O : 4516912284

Project Name : Water Testing

Project Location : Map Ta Phut_PS (SPCL)

Page 2 of 2

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

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)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management

Photchana S.

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon.

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

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

P/O : 4516912284

Project Name : Water Testing

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2527549

Date Received : Apr 02, 2025

Date Reported : Apr 09, 2025

Report Number : 3264584-2

Page 1 of 1

| | |
|--------------------------------|---|
| Sample Number | 2527549-1 |
| Sampled Date | Apr 02, 2025 9:15 AM |
| Sample Description | Wastewater |
| Location | ES-1890 |
| Date Analysis Commenced | Apr 04, 2025 |
| Condition of Sample | Contained in one amber glass bottle, two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA) |

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|----------------------|------|------|-----------|--------|---------------------------|---|------------------|
| Water Testing | | | | | | | |
| Total Organic Carbon | mg/L | 0.01 | 0.1 | 12.3 | 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 Khuiyoksui , Thanasoun Namakunna

Remark :

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

Approved by

Suwimon C.

Suwimon Chairuangwut
Scientist (3)

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Analysis / Test Report

TESTING

No.0042

Lot ID: 2537961

cate Revei3ed : May 0D, 2025

cate Reported : May 16, 2025

Report b umf er : N2884D1-1

Client : Siam Polystyrene Co., Ltd.

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

P/O : 4516912284

Project Name : Water Testing

Project Location : Map Ta Phut_PS (SPCL)

Page 1 o72

| | |
|--------------------------------|--|
| Sample Number | 25ND961-1 |
| Sampled Date | May 0D, 2025 9:55 AM |
| Sample Description | Wastewater |
| Location | ES-1890 |
| Date Analysis Commenced | May 0D, 2025 |
| Condition of Sample | Contained in two glass 3ials, two amf er glass f ottles and three plastiv f ottles, sample vontainers vompily to pretreatment - preser3ation standards (APHA, USEPA) |

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|---|----------|-----|-----------|--------|---------------------------|---|------------------|
| Water Testing | | | | | | | |
| BOc (5 days at 20 cegree C) | mg/L | - | 2.0 | <2.0 | ≤20 | Standard Methods 7br the Examination o7Water and Wastewater. APHA, AWWA & WEF, 24th ed., 202N, part 5210 B, part 4500 - O G | Rayong |
| COc | mg/L | 1.5 | 25 | 25 | ≤120 | Standard Methods 7br the Examination o7Water and Wastewater. APHA, AWWA & WEF, 24th ed., 202N, part 5220 c | Rayong |
| Color (at Original pH) | Ac MI | - | 5 | 10 | ≤N00 | Standard Methods 7br the Examination o7Water and Wastewater. APHA, AWWA & WEF, 24th ed., 202N, part 2120 F | Rayong |
| Color (at pH D.0) | Ac MI | - | 5 | 8 | ≤N00 | Standard Methods 7br the Examination o7Water and Wastewater. APHA, AWWA & WEF, 24th ed., 202N, part 2120 F | Rayong |
| Oil & Grease | mg/L | - | N | <N | ≤5 | Standard Methods 7br the Examination o7Water and Wastewater. APHA, AWWA & WEF, 24th ed., 202N, part 5520 B | Rayong |
| pH at 25 degree C | | - | - | D.8 | 5.5-9.0 | Standard Methods 7br the Examination o7Water and Wastewater. APHA, AWWA & WEF, 24th ed., 202N, part 4500 - H (B) | Rayong |
| Temperature * | cegree C | - | - | NN.0 | ≤40 | Standard Methods 7br the Examination o7Water and Wastewater. APHA, AWWA & WEF, 24th ed., 202N, part 2550 B | Rayong |
| Total c issol3ed Solids c ried at 180 degree C | mg/L | - | 5 | 568 | ≤N000 | Standard Methods 7br the Examination o7Water and Wastewater. APHA, AWWA & WEF, 24th ed., 202N, part 2540 C | Rayong |
| Total Suspended Solids c ried at 10N-105 degree C | mg/L | - | 5 | 6 | ≤50 | Standard Methods 7br the Examination o7Water and Wastewater. APHA, AWWA & WEF, 24th ed., 202N, part 2540 c | Rayong |

Technical Management

Photchana S.

Photvhana Seeda

Svientist (4)

ทะเบียนเลขที่ จ-น2N-จ-0028

Approved by

D. Chumson.

cej Changvhon

Senior Manager

ทะเบียนเลขที่ จ-น2N-ค-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2537961

date Received : May 08, 2025

date Reported : May 16, 2025

Report number : N2884D1-1

Client : Siam Polystyrene Co., Ltd.

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

P/O : 4516912284

Project Name : Water Testing

Project Location: Map Ta Phut_PS (SPCL)

Page 2 of 2

Guideline : Effluent standard for factories, industrial estate and industrial park set by notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by notification of the Ministry of Industry dated June 08, B.E.2560 (2017).

Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-น2น-จ-0005 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

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

Technical Management

Photchanas.

Photvhana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-น2น-จ-0028

Approved by

D. Chuan.

cej Changvhon

Senior Manager

ทะเบียนเลขที่ ว-น2น-ค-0001

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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4516912284
Project Name : Water Testing
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2537961

Date Received : May 07, 2025

Date Reported : May 16, 2025

Report Number : 3288471-2

Page 1 of 1

Sample Number 2537961-1
Sampled Date May 07, 2025 9:55 AM
Sample Description Wastewater
Location ES-1890
Date Analysis Commenced May 09, 2025
Condition of Sample Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|----------------------|------|------|-----------|--------|---------------------------|---|------------------|
| Water Testing | | | | | | | |
| Total Organic Carbon | mg/L | 0.01 | 0.1 | 9.85 | 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 Khuiyoksui , Pattarapol Sawangjaitam

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. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Suwimon Chairuangwut
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Analysis / Test Report

TESTING

No.0042

Lot ID: 2549567

Validated : Jun 04, 2025

Validated : Jun 12, 2025

Report Number : 991W001-1

Client : Siam Polystyrene Co., Ltd.

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

P/O : 451W12284

Project Name : (ater Testing

Project Location : Map Ta Phut) PS JSPCLD

Page 1 of 2

| | |
|--------------------------------|---|
| Sample Number | 254_5W-1 |
| Sampled Date | Jun 04, 2025 10:50 AM |
| Sample Description | (ater Testing |
| Location | ES-18_0 |
| Date Analysis Commenced | Jun 04, 2025 |
| Condition of Sample | Contained in one amber glass bottle, two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards JAPUA, BSEPAD |

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|--|----------|-----|-----------|--------|---------------------------|---|------------------|
| Water Testing | | | | | | | |
| Ox v J5 days at 20 degree C | mg/L | - | 2.0 | 9.4 | ≤20 | Standard Methods for the Examination of Water and Wastewater. APUA, A((A F (EG, 24th ed., 2029, part 5210 O, part 4500 - x < | Rayong |
| Cx v | mg/L | 1.5 | 25 | 91 | ≤120 | Standard Methods for the Examination of Water and Wastewater. APUA, A((A F (EG, 24th ed., 2029, part 5220 v | Rayong |
| Color Jat x riginal pUD | Av MI | - | 5 | 19 | ≤900 | Standard Methods for the Examination of Water and Wastewater. APUA, A((A F (EG, 24th ed., 2029, part 2120 G | Rayong |
| Color Jat pU w.OD | Av MI | - | 5 | 11 | ≤900 | Standard Methods for the Examination of Water and Wastewater. APUA, A((A F (EG, 24th ed., 2029, part 2120 G | Rayong |
| x il F <rease | mg/L | - | 9 | 79 | ≤5 | Standard Methods for the Examination of Water and Wastewater. APUA, A((A F (EG, 24th ed., 2029, part 5520 O | Rayong |
| pU at 25 degree C | | - | - | w_ | 5.5-10 | Standard Methods for the Examination of Water and Wastewater. APUA, A((A F (EG, 24th ed., 2029, part 4500 - U JOD | Rayong |
| Temperature * | degree C | - | - | 92.5 | ≤40 | Standard Methods for the Examination of Water and Wastewater. APUA, A((A F (EG, 24th ed., 2029, part 2550 O | Rayong |
| Total dissolved Solids vried at 180 degree C | mg/L | - | 5 | W48 | ≤9000 | Standard Methods for the Examination of Water and Wastewater. APUA, A((A F (EG, 24th ed., 2029, part 2540 C | Rayong |
| Total Suspended Solids vried at 109-105 degree C | mg/L | - | 5 | w | ≤50 | Standard Methods for the Examination of Water and Wastewater. APUA, A((A F (EG, 24th ed., 2029, part 2540 v | Rayong |

Technical Management

Photchana S.

Photghana Seeda

Scientist J4D

ทะเบียนเลขที่ ว-929-จ-0028

Approved by

D. Chinnon.

vej Changphon

Senior Manager

ทะเบียนเลขที่ ว-929-ค-0001

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Analysis / Test Report

TESTING

No.0042

Lot ID: 2549567

Validated : Jun 04, 2025

Validated : Jun 12, 2025

Report Number : 991W001-1

Client : Siam Polystyrene Co., Ltd.

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

P/O : 451W_12284

Project Name : (ater Testing

Project Location : Map Ta Phut) PS JSPCLD

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 04, O.E.25V0 J201W

Sampling By : Surakit Narapong ทะเบียนเลขที่ ว-929-จ-0011 , Pattarapol SaHangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

- Lx v : Limit of detection
- "7" : LoHer than Lx Q JLimit of QuantitationD/ Lx R JLimit of ReportingD
- AnalyteIsDmarked * is/are not included in scope of Accreditation ISx /IEC 1w025.
- Sampling is not included in scope of accreditation ISx /IEC 1w025

Technical Management

Photchana S.

Photchana Seeda

Scientist J4D

ทะเบียนเลขที่ ว-929-จ-0028

Approved by

D. Chamon.

vej Changchon

Senior Manager

ทะเบียนเลขที่ ว-929-ค-0001

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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

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

P/O : 4516912284

Project Name : Water Testing

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2549567

Date Received : Jun 04, 2025

Date Reported : Jun 12, 2025

Report Number : 3316001-2

Page 1 of 1

| | |
|--------------------------------|---|
| Sample Number | 2549567-1 |
| Sampled Date | Jun 04, 2025 9:50 AM |
| Sample Description | Wastewater |
| Location | ES-1890 |
| Date Analysis Commenced | Jun 07, 2025 |
| Condition of Sample | Contained in one amber glass bottle, two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA) |

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|----------------------|------|------|-----------|--------|---------------------------|---|------------------|
| Water Testing | | | | | | | |
| Total Organic Carbon | mg/L | 0.01 | 0.1 | 11.6 | No Standard | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5310 B | Bangkok |

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

Sampling By : Surawit Narapong , Pattarapol Sawangjaitam

Remark :

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

Approved by

Suwimon C.

Suwimon Chairuangwut
Scientist (3)

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Analysis / Test Report

TESTING

No.0042

Lot ID: 24143530

cate ReCeive8 MDan 9h: 5956

cate Reporte8 MDan 03: 5956

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P/O :

Project Name MWater Testin1

Project Location Mu ap Ta IPet_. ate, (SS. L)

Ia1e 0 o75

| | |
|--------------------------------|---|
| Sample Number | 5202N6N9g0 |
| Sampled Date | Dan 9h: 5956 w5h Au |
| Sample Description | WasteHater |
| Location | c omestiCUEtlet |
| Date Analysis Commenced | Dan 9h: 5956 |
| Condition of Sample | Lontaine8 in thO 1lass vials: thO amf er 1lass f ottles an8 tPree plastiCf ottlesdSample Containers Comply to pretreatment g preservation stan8ar8s (AI BA / OS4IA) |

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|--|----------|-----|-----------|--------|---------------------------|--|------------------|
| Water Testing | | | | | | | |
| xUc (6 8ays at 59 ce1ree L) | m1/. | g | 5d0 | <5d0 | ≤59 | Stan8ar8 u etPo8s 7or tPe 4, amination o7Water an8 WasteHaterdAI BA: AWWA & W4F: 52tP e8d 595N: part 6509 x: part 2699 gU G | Rayon1 |
| LUc | m1/. | 0d5 | 56 | <56 | ≤059 | Stan8ar8 u etPo8s 7or tPe 4, amination o7Water an8 WasteHaterdAI BA: AWWA & W4F: 52tP e8d 595N: part 6559 c | Rayon1 |
| Lolor (at Uri1inal pB) | Ac u - | g | 6 | 52 | ≤N99 | Stan8ar8 u etPo8s 7or tPe 4, amination o7Water an8 WasteHaterdAI BA: AWWA & W4F: 52tP e8d 595N: part 5059 F | Rayon1 |
| Lolor (at pB *d0) | Ac u - | g | 6 | 52 | ≤N99 | Stan8ar8 u etPo8s 7or tPe 4, amination o7Water an8 WasteHaterdAI BA: AWWA & W4F: 52tP e8d 595N: part 5059 F | Rayon1 |
| Uil & Grease | m1/. | g | N | <N | ≤6 | Stan8ar8 u etPo8s 7or tPe 4, amination o7Water an8 WasteHaterdAI BA: AWWA & W4F: 52tP e8d 595N: part 6659 x | Rayon1 |
| pB at 56 8e1ree L | | g | g | *d0 | 6d5gvd0 | Stan8ar8 u etPo8s 7or tPe 4, amination o7Water an8 WasteHaterdAI BA: AWWA & W4F: 52tP e8d 595N: part 2699 gB (x) | Rayon1 |
| TemperatEre j | ce1ree L | g | g | 5vd0 | ≤29 | Stan8ar8 u etPo8s 7or tPe 4, amination o7Water an8 WasteHaterdAI BA: AWWA & W4F: 52tP e8d 595N: part 5669 x | Rayon1 |
| Total c issolve8 Soli8s c rie8 at 0h9 8e1ree L | m1/. | g | 6 | 2*3 | ≤N999 | Stan8ar8 u etPo8s 7or tPe 4, amination o7Water an8 WasteHaterdAI BA: AWWA & W4F: 52tP e8d 595N: part 5629 L | Rayon1 |
| Total \ kel8aPl bitro1en as b | m1/. | g | 0d0 | Nd0 | ≤099 | Stan8ar8 u etPo8s 7or tPe 4, amination o7Water an8 WasteHaterdAI BA: AWWA & W4F: 52tP e8d 595N: part 2699gbor1 (L): part bBN (c) | Rayon1 |

Technical Management

Photchana S.

IPotCPana See8a

SGentist (2)

ทะเบียนเลขที่ ฏง5Nng995h

Approved by

D. Johnson.

cek LPan1CPon

Senior u analer

ทะเบียนเลขที่ ฏง5Nng9990

ResElts apply to tPe sample(s) as sEf mitte8: Unless tPe samplin1 Has Con8EQe8 f y A. Sdbo part o7tPis report may f e repro8EQe8 in any 7orm HitPoEt Written Consent 7om tPe laf oratoryd A. S. af oratory GroEp (TPailan8) stron1ly reCommens tPat tPis report is not repro8EQe8 e, Cept in 7eild

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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**h9g0/ 4u A-.

SMReportsJu i, ReZ_All_G. dpt (5M*1u)



Analysis / Test Report

TESTING

No.0042

Lot ID: 24143530

cate ReCeive8 MĐan 9h: 5956

cate Reporte8 MĐan 03: 5956

Report bEmf er MĐ599h6hgĐ

Client MSiam SyntPetiC. ate, Lod .t8d

h: u ap Ta IPet -n8Estrial 4state: -gĐ Roa8: u ap ta pPEt: u Ean1: Rayon1 TPailan8 50069

P/O :

Project Name MWater Testin1

Project Location Mu ap Ta IPet_. ate, (SS. L)

Iale 5 o75

| | |
|--------------------------------|---|
| Sample Number | 5202N6N9gĐ |
| Sampled Date | Đan 9h: 5956 wĐh Au |
| Sample Description | WasteHater |
| Location | c omestiCUEtlet |
| Date Analysis Commenced | Đan 9h: 5956 |
| Condition of Sample | Lontaine8 in tHo 1lass vials: tHo amf er 1lass f ottles an8 tPree plastiCf ottlesdSample Containers Comply to pretreatment g preservation stan8ar8s (AI BA / OS4IA) |

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|---|------|-----|-----------|--------|---------------------------|---|------------------|
| Water Testing | | | | | | | |
| Total SEspen8e8 Soli8s c rie8 at 09NgĐ96 8e1ree L | m1/. | g | 6 | <6 | ≤69 | Stan8ar8 u etPo8s Đor tPe 4, amination o7Water an8 WasteHaterdAI BA: AWWA & W4F: 52tP e8d 595N: part 5629 c | Rayon1 |

Guideline M477Eent stan8ar8 Đor ĐaCories: in8Estrial estate an8 in8Estrial parK set f y botiĐCation o7tPe u inistry o7batEral ResoErCe an8 4nvironment an8 e77Eent stan8ar8 Đor ĐaCories an8 in8Estrial parK set f y botiĐCation o7TPe u inistry o7-n8Estry 8ate8 Đene 9*: xĐđđ639 (590*)đ

Note : RaH 8ata o7LUc valEe (ReĐer to .ot -c 5202N6N9gĐ) is *đh m1/.

Sampling By : SEraHit barapon1 ทะเบียนเลขที่ ๖๓๖๖๖๖๖๖๖๖ : TPanasoEn bamakEnna ทะเบียนเลขที่ ๖๓๖๖๖๖๖๖๖๖

RemarKM

- .Uc M. imit o7c eteCtion
- "<" M. oHer tPan .UQ (. imit o7QEantitation) / .UR (. imit o7Reportin1)
- Analyte(s) marKe8 j is/are not inĐE8e8 in sCope o7ACCre8itation -SU/-4L 0*956d
- TPe laf oratory Pas f een aCcepte8 as an aCCre8ite8 laf oratory Complyin1 HitP tPe -SU/-4L 0*956d

Technical Management

Photchana S.

IPotCPana See8a

SGentist (2)

ทะเบียนเลขที่ ๖๓๖๖๖๖๖๖๖๖

Approved by

D. Johnson.

c ek LPan1CPon

Senior u analer

ทะเบียนเลขที่ ๖๓๖๖๖๖๖๖๖๖

ResElts apply to tPe sample(s) as sEf mitte8: Unless tPe samplin1 Has Con8EQe8 f y A. Sđbo part o7tPis report may f e repro8EQe8 in any Đorm HitPoEt Written Consent Đom tPe laf oratoryđ A. S. . af oratory GroEp (TPailan8) stron1ly reCmmen8s tPat tPis report is not repro8EQe8 e, Cept in Đeild

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**h9gĐ/ 4u A.-

SMReportsJu i, ReZ_All_G. dpt (5M*1u)



Analysis / Test Report

Client MSiam SyntPetiC. ate, Lod .t8d
h: u ap Ta IPet -n8Estrial 4state: -g2 Roa8: u ap ta pPEt: u Ean1: Rayon1 TPailan8 500W

P/O :

Project Name M(ater Testin1

Project Location Mu ap Ta IPet). ate, JSS. LD

Lot ID: 24143530

vate ReCe6e8 Man _h: 5_5W

vate Reporte8 Man 03: 5_5W

Report NEmber M95__hVhg5

Page 0 of 0

| | |
|--------------------------------|---|
| Sample Number | 52029V0_g0 |
| Sampled Date | can _h: 5_5W w5h Au |
| Sample Description | (asteHater |
| Location | vomestiCUEtlet |
| Date Analysis Commenced | can 0_: 5_5W |
| Condition of Sample | Lontaine8 in tHo 1lass 6ials: tHo amber 1lass bottles an8 tPree plastiC bottledSample Containers Comply to pretreatment g preservation stan8ar8s JAI OA / xS4IAD |

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|----------------------|------|------|-----------|--------|---------------------------|--|------------------|
| Water Testing | | | | | | | |
| Total Ur1aniCLarbon | m1/. | _d_0 | _d_0 | Wd_7 | No Stan8ar8 | Stan8ar8 u etPo8s for tPe 4, amination of (ater an8 (asteHaterdAI OA: A((A & (4F: 52tP e8d 5_59: part V00_ B | Ban1kok |

Guideline M4fflEent stan8ar8 for faCtories: in8Estrial estate an8 in8Estrial park set by NotifiCation of tPe u inistry of NatEral ResoErCe an8 4n6ironment an8
efflEent stan8ar8 for faCtories an8 in8Estrial park set by NotifiCation of TPe u inistry of -n8Estry 8ate8 cEne _7: Bd#dV0_ J5_07D

Sampling By : SEraHit Narapon1 : TPanasoEn NamakEnna

Remark M

- .Uv M. imit of veteCtion
- "<" M. oHer tPan .UQ J. imit of QEantitationD/ .UR J. imit of Reportin1D

Approved by

Narin Saisen1
SEper6isor

ResElts apply to tPe sampleJsDas sEbmitte8: Unless tPe samplin1 Has Con8ECe8 by
A. SdNo part of tPis report may be repro8ECe8 in any form HitPoEt Hritten Consent
from tPe laboratorydA. S. aboratory GroEp JTPailan8Dstron1ly reCommen8s tPat
tPis report is not repro8ECe8 e, Cept in fElld

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Analysis / Test Report

TESTING

No.0042

Lot ID: 255350

bate ReCeife8 MBEn 96: 5956

bate Reporte8 MBEn 02: 5956

Report 7 EmNer M 506(2hg0

Client MSiam SyntPetiC. ate, Lod . t8d

h: u ap Ta IPET -n8Estrial 4state: -g2 Roa8: u ap ta pPEt: u Ean1: Rayon1 TPailan8 50069

P/O : 260VWh6_((

Project Name M) ater Testin1

Project Location Mu ap Ta IPETD. ate, cSS. Lv

Ia1e 0 ow5

| | |
|--------------------------------|---|
| Sample Number | 566(69g0 |
| Sampled Date | 3eN 96: 5956 Hm6 Au |
| Sample Description |) asteUater |
| Location | bomestiCBETlet |
| Date Analysis Commenced | 3eN 96: 5956 |
| Condition of Sample | Lontaine8 in tUo amNer 1lass Nottles: tUo 1lass fials an8 tPree plastiC Nottles: sample Containers Comply to pretreatment g preserfation stan8ar8s cAI OA: xS4I Av |

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|---|----------|-----|-----------|--------|---------------------------|---|------------------|
| Water Testing | | | | | | | |
| 8Bb c6 8ays at 59 be1ree Lv | m1/. | g | 5d9 | <5d9 | ≤59 | Stan8ar8 u etPo8s vor tPe 4, amination ow) ater an8) asteUaterdAI OA: A)) A F) 43: 52tP e8d 595(: part 6509 & part 2699 gB G | Rayon1 |
| LBb | m1/. | 0d5 | 56 | <56 | ≤059 | Stan8ar8 u etPo8s vor tPe 4, amination ow) ater an8) asteUaterdAI OA: A)) A F) 43: 52tP e8d 595(: part 6559 b | Rayon1 |
| Lolor cat Bri1inal pOv | Abu - | g | 6 | 5W | ≤(99 | Stan8ar8 u etPo8s vor tPe 4, amination ow) ater an8) asteUaterdAI OA: A)) A F) 43: 52tP e8d 595(: part 5059 3 | Rayon1 |
| Lolor cat pO _d9v | Abu - | g | 6 | 55 | ≤(99 | Stan8ar8 u etPo8s vor tPe 4, amination ow) ater an8) asteUaterdAI OA: A)) A F) 43: 52tP e8d 595(: part 5059 3 | Rayon1 |
| Bil F Grease | m1/. | g | (| <(| ≤6 | Stan8ar8 u etPo8s vor tPe 4, amination ow) ater an8) asteUaterdAI OA: A)) A F) 43: 52tP e8d 595(: part 6659 & | Rayon1 |
| pO at 56 8e1ree L | | g | g | _d5 | 6d5gtd9 | Stan8ar8 u etPo8s vor tPe 4, amination ow) ater an8) asteUaterdAI OA: A)) A F) 43: 52tP e8d 595(: part 2699 gO c&v | Rayon1 |
| TemperatEre * | be1ree L | g | g | 5Hd5 | ≤29 | Stan8ar8 u etPo8s vor tPe 4, amination ow) ater an8) asteUaterdAI OA: A)) A F) 43: 52tP e8d 595(: part 5669 & | Rayon1 |
| Total bisso1fe8 Soli8s brie8 at 0h9 8e1ree L | m1/. | g | 6 | V0h | ≤(999 | Stan8ar8 u etPo8s vor tPe 4, amination ow) ater an8) asteUaterdAI OA: A)) A F) 43: 52tP e8d 595(: part 5629 L | Rayon1 |
| Total j\el8aPl 7itro1en as 7 | m1/. | g | 0d9 | 5d_ | ≤099 | Stan8ar8 u etPo8s vor tPe 4, amination ow) ater an8) asteUaterdAI OA: A)) A F) 43: 52tP e8d 595(: part 2699g/or1 d.v: part 70(dv | Rayon1 |

Technical Management

Photchana S.

IPotCPana See8a

SGentist c2v

ทะเบียนเลขที่ ฏ 5(ฏ995h

Approved by

D. Johnson.

b\ LPan1CPon

Senior u ana1er

ทะเบียนเลขที่ ฏ 5(ฏ9990

ResElts apply to tPe samplecvs as sENmitte8: Enless tPe samplin1 Uas Gn8EQe8 Ny A. SdTPe report sPall not Ne repro8EQe8 e, Cept in vEil UItPoEt tPe Uritten approal owPe laNorratoryd

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Analysis / Test Report

TESTING
No.0042

Client MSiam SyntPetiC. ate, Lod .t8d
h: u ap Ta IPet -n8Estrial 4state: -g2 Roa8: u ap ta pPEt: u Ean1: Rayon1 TPailan8 50069
P/O : 260VWh6_((
Project Name M) ater Testin1
Project Location Mu ap Ta IPetD. ate, cSS. Lv

Lot ID: 255350

bate ReGeife8 MBen 96: 5956
bate Reporte8 MBen 02: 5956
Report 7 EmNer M 506(2hg0

Iale 5 ow5

Sample Number 566(69g0
Sampled Date 3eN 96: 5956 H46 Au
Sample Description) asteUater
Location bomestiCBETlet
Date Analysis Commenced 3eN 96: 5956
Condition of Sample Lontaine8 in tUo amNer 1lass Nottles: tUo 1lass fials an8 tPree plastiC Nottles: sample Containers Comply to pretreatment g
preserfation stan8ar8s cAI OA: xS4IAv

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|---|------|-----|-----------|--------|---------------------------|---|------------------|
| Water Testing | | | | | | | |
| Total SEspen8e8 Soli8s brie8 at 09(g096 8e1ree L | m1/. | g | 6 | <6 | ≤69 | Stan8ar8 u etPo8s w8r tPe 4, amination ow) ater an8) asteUaterdAI OA: A)) A F) 43: 52tP e8d 595(: part 5629 b | Rayon1 |

Guideline M4wEent stan8ar8 w8r v8Ctories: in8Estrial estate an8 in8Estrial parJ set Ny 7otivCation owTPe u inistry ow7atEral ResoErCe an8 4nf ironment an8 ewEent stan8ar8 w8r v8Ctories an8 in8Estrial parJ set Ny 7otivCation owTPe u inistry ow-n8Estry 8ate8 KEne 9_ : 𡵖V0 c590_vd

Note : RaU 8ata owLBb falEe cRever to .ot -b 566(69g0v is 0_ch m1/.

Sampling By : SEraUit 7arapon1 ทะเบียนเลขที่ ๖๕ (๖๕๙๙๐๐ : TPanasoEn 7amaJEnna ทะเบียนเลขที่ ๖๕๙๒๖๕๙๐๙๐

RemarJ M

- .Bb M. imit owbeteQion
- "<" M. oUer tPan .BQ c. imit owQEantitationv / . BR c. imit owReportin1v
- Analytecsv marJe8 * is/are not inCE8e8 in sCope owACCre8itation -SB/-4L 0_956d

Technical Management

Photchana S.

IPotCPana See8a

SGentist c2v

ทะเบียนเลขที่ ๖๕ (๖๕๙๙๕h

Approved by

D. Johnson.

be\ LPan1CPon

Senior u analer

ทะเบียนเลขที่ ๖๕ (๖๕๙๙๙๐

ResElts apply to tPe samplecsv as sENmitte8: Enless tPe samplin1 Uas Con8EQe8 Ny A. SdTPe report sPall not Ne repro8EQe8 e, Cept in vEil UitPoEt tPe Uritten approl owlPe laNorarydy

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Analysis / Test Report

Client MSiam SyntPetiC. ate, Lod .t8d
 h: u ap Ta IPet -n8Estrial 4state: -g2 Roa8: u ap ta pPEt: u Ean1: Rayon1 TPailan8 50069
P/O : 260VWh6_((
Project Name M) ater Testin1
Project Location Mu ap Ta IPetF. ate, bSS. LD

Lot ID: 255350

3ate ReCeIne8 Mcev 96: 5956
 3ate Reporte8 Mcev 02: 5956
 Report f Emver M 506(2hg5

Iale 0 o70

| | |
|--------------------------------|--|
| Sample Number | 566(69g0 |
| Sampled Date | cev 96: 5956 wM6 Au |
| Sample Description |) asteHater |
| Location | 3omestiCUEtlet |
| Date Analysis Commenced | cev 9_: 5956 |
| Condition of Sample | Lontaine8 in tHo amver 1lass vottles: tHo 1lass Nals an8 tPree plastiCvottles: sample Containers Comply to pretreatment g preserNation stan8ar8s bAI OA: xS4IAD |

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|----------------------|------|------|-----------|--------|---------------------------|---|------------------|
| Water Testing | | | | | | | |
| Total Ur1aniCLarvon | m1/. | 9c00 | 9c0 | W00 | f o Stan8ar8 | Stan8ar8 u etPo8s 7or tPe 4, amination o7) ater an8) asteHaterdAI OA: A)) A &) 4c: 52tP e8d 595(: part 6(09 B | Ban1kok |

Guideline M477Eent stan8ar8 7or 7aCories: in8Estrial estate an8 in8Estrial park set vy f oti7Cation o7tPe u inistry o7f atEral ResoErCe an8 4nNronment an8
 e77Eent stan8ar8 7or 7aCories an8 in8Estrial park set vy f oti7Cation o7TPe u inistry o7-n8Estry 8ate8 JEne 9_: Bd4d56V0 b590_0

Note : RaH 8ata o7LU3 NalEe bRe7er to .ot -3 566(69g0Dis 0_ch m1/.

Sampling By : SEraHit f arapon1 : TPanasoEn f amakEnna

Remark M

- .U3 M. imit o73 eteCtion
- "<" M. oHer tPan .UQ b. imit o7QEantitationD/ .UR b. imit o7Reportin1D

Approved by

Siriluk P.

SirilEk BEnnak
 SeCtion Oea8

ResElts apply to tPe sample8Das sEvmitte8: Unless tPe samplin1 Has Con8EQe8 vy
 A. SdTPe report sPall not ve repro8EQe8 e, Cept in 7ElI HitPoEt tPe Hritten approNal
 o7tPe lavatoryd

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__h9g0/ 4u A-.

SMReports(u i, Re7AllIFG. dpt b 2Nw u D



TESTING
No.0042

Analysis / Test Report

Client MSiam SyntPetiC. ate, Lod .t8d
h: u ap Ta IPET -n8Estrial 4state: -g2 Roa8: u ap ta pPEt: u Ean1: Rayon1 TPailan8 50069
P/O : 260VWh6_((
Project Name M) ater Testin1
Project Location Mu ap Ta IPETD. ate, cSS. Lv

Lot ID: 2517654

3ate ReCeN8 Mu ar 96: 5956
3ate Reporte8 Mu ar 0(: 5956
Report b Emf er M(5256V0g0

Iale 0 o75

| | |
|--------------------------------|--|
| Sample Number | 560_V62g0 |
| Sampled Date | u ar 96: 5956 w09 Au |
| Sample Description |) asteHater |
| Location | 3omestiCUEtlet |
| Date Analysis Commenced | u ar 96: 5956 |
| Condition of Sample | Lontaine8 in tHo 1lass Nals: one amf er 1lass f ottle an8 tPree plastiCf ottlesdSample Containers Comply to pretreatment g preserNation stan8ar8s cAIBA / OS4I Av |

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|--|----------|-----|-----------|--------|---------------------------|--|------------------|
| Water Testing | | | | | | | |
| xU3 c6 8ays at 59 3e1ree Lv | m1/. | g | 5d0 | <5d0 | ≤59 | Stan8ar8 u etPo8s 7or tPe 4, amination o7) ater an8) asteHaterdAIBA: A)) A &) 4F: 52tP e8d 595(: part 6509 x: part 2699 gU G | Rayon1 |
| LU3 | m1/. | 0d6 | 56 | <56 | ≤059 | Stan8ar8 u etPo8s 7or tPe 4, amination o7) ater an8) asteHaterdAIBA: A)) A &) 4F: 52tP e8d 595(: part 6559 3 | Rayon1 |
| Lolor cat Uri1inal pBv | A3u - | g | 6 | 0(| ≤(99 | Stan8ar8 u etPo8s 7or tPe 4, amination o7) ater an8) asteHaterdAIBA: A)) A &) 4F: 52tP e8d 595(: part 5059 F | Rayon1 |
| Lolor cat pB _d0v | A3u - | g | 6 | 0(| ≤(99 | Stan8ar8 u etPo8s 7or tPe 4, amination o7) ater an8) asteHaterdAIBA: A)) A &) 4F: 52tP e8d 595(: part 5059 F | Rayon1 |
| Uil & Grease | m1/. | g | (| <(| ≤6 | Stan8ar8 u etPo8s 7or tPe 4, amination o7) ater an8) asteHaterdAIBA: A)) A &) 4F: 52tP e8d 595(: part 6659 x | Rayon1 |
| pB at 56 8e1ree L | | g | g | hd0 | 6d6gwd0 | Stan8ar8 u etPo8s 7or tPe 4, amination o7) ater an8) asteHaterdAIBA: A)) A &) 4F: 52tP e8d 595(: part 2699 gB c0v | Rayon1 |
| TemperatEre * | 3e1ree L | g | g | (9dW | ≤29 | Stan8ar8 u etPo8s 7or tPe 4, amination o7) ater an8) asteHaterdAIBA: A)) A &) 4F: 52tP e8d 595(: part 5669 x | Rayon1 |
| Total 3issolNe8 Soli8s 3rie8 at 0h9 8e1ree L | m1/. | g | 6 | 5w5 | ≤(999 | Stan8ar8 u etPo8s 7or tPe 4, amination o7) ater an8) asteHaterdAIBA: A)) A &) 4F: 52tP e8d 595(: part 5629 L | Rayon1 |

Technical Management

Photchana S.

IPotCPana See8a

SGentist c2v

ทะเบียนเลขที่ ฏ 5(ฏ995h

Approved by

D. Johnson.

3ej LPan1CPon

Senior u ana1er

ทะเบียนเลขที่ ฏ 5(ฏ9990

ResElts apply to tPe samplecsv as sEf mitte8: Enless tPe samplin1 Has Gon8EQe8 f y A. SdTPe report sPall not f e repro8EQe8 e, Cept in 7Eil HitPoEt tPe Hritten approNal o7tPe laf oratoryd

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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TESTING
No.0042

Analysis / Test Report

Client MSiam SyntPetiC. ate, Lod .t8d
h: u ap Ta IPET -n8Estrial 4state: -g2 Roa8: u ap ta pPEt: u Ean1: Rayon1 TPailan8 50069
P/O : 260VWh6_((
Project Name M) ater Testin1
Project Location Mu ap Ta IPETD. ate, cSS. Lv

Lot ID: 2517654

3 ate ReCeINe8 Mu ar 96: 5956
3 ate Reporte8 Mu ar 0(: 5956
Report b Emf er M(5256V0g0

Iale 5 o75

| | |
|--------------------------------|---|
| Sample Number | 560_V62g0 |
| Sampled Date | u ar 96: 5956 w09 Au |
| Sample Description |) asteHater |
| Location | 3 omestiC UEtlet |
| Date Analysis Commenced | u ar 96: 5956 |
| Condition of Sample | Lontaine8 in tHo 1lass Nals: one amf er 1lass f ottle an8 tPree plastiCf ottlesdSample Containers Comply to pretreatment g preserNation stan8ar8s cAI BA / OS4I Av |

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|--|------|-----|-----------|--------|---------------------------|--|------------------|
| Water Testing | | | | | | | |
| Total kjel8aPl bitro1en as b | m1/. | g | 0d9 | 5d | ≤099 | Stan8ar8 u etPo8s 7or tPe 4, amination o7) ater an8) asteHaterdAIBA: A)) A &) 4F: 52tP e8d 595(: part 2699gbor1 d.v: part bB(c3v | Rayon1 |
| Total SEspen8e8 Soli8s 3 rie8 at 09(g096 8e1ree L | m1/. | g | 6 | W | ≤69 | Stan8ar8 u etPo8s 7or tPe 4, amination o7) ater an8) asteHaterdAIBA: A)) A &) 4F: 52tP e8d 595(: part 5629 3 | Rayon1 |

Guideline M477Eent stan8ar8 7or 7aCtories: in8Estrial estate an8 in8Estrial parJ set f y boti7Cation o7tPe u inistry o7batEral ResoErCe an8 4nNronment an8 e77Eent stan8ar8 7or 7aCtories an8 in8Estrial parJ set f y boti7Cation o7TPE u inistry o7-n8Estry 8ate8 KEne 9_: x#4d6V0 c590_vd

Note : RaH 8ata o7LU3 NalEe cRe7er to .ot -3 560_V62g0v is 0_d m1/.

Sampling By : SEraHit barapon1 ทะเบียนเลขที่ ๖๕ (๖๕9900 : Iattarapol SaHan1jaitam ทะเบียนเลขที่ ๖๕92๖๘9995

RemarJ M

- .U3 M. imit o73eteCtion
- "<" M. oHer tPan . UQ c. imit o7QEantitationv / . UR c. imit o7Reportin1v
- Analytecsv marJe8 * is/are not inDE8e8 in sCope o7ACCre8itation -SU/-4L 0_956d
- Samplin1 is not inDE8e8 in sCope o7aCCre8itation -SU/-4L 0_956

Technical Management

Photchana S.

I PotCPana See8a

SGentist c2v

ทะเบียนเลขที่ ๖๕ (๖๕995h

Approved by

D. Jinnon.

3 ej LPan1CPon

Senior u analer

ทะเบียนเลขที่ ๖๕ (๖๕9990

ResElts apply to tPe samplecsv as sEf mitte8: Enless tPe samplin1 Has Gon8EQe8 f y A. SdTPe report sPall not f e repro8EQe8 e, Cept in 7Eil HitPoEt tPe Hritten approNal o7tPe laf oratoryd

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 MSiam SyntPetiC. ate, Lod .t8d
h: u ap Ta IPet -n8Estrial 4state: -g2 Roa8: u ap ta pPEt: u Ean1: Rayon1 TPailan8 50069
P/O : 260Vhh6_((
Project Name M) ater Testin1
Project Location Mu ap Ta IPetD. ate, cSS. Lv

Lot ID: 2517654

3 ate ReGeiN8 Mu ar 96: 5956
3 ate Reporte8 Mu ar 0(: 5956
Report b Emf er M(5256V0g5

Ia1e 0 o70

| | |
|--------------------------------|--|
| Sample Number | 560_V62g0 |
| Sampled Date | u ar 96: 5956 w09 Au |
| Sample Description |) asteHater |
| Location | 3 omestiC UEtlet |
| Date Analysis Commenced | u ar 9_: 5956 |
| Condition of Sample | Lontaine8 in tHo 1lass Nals: one amf er 1lass f otte an8 tPree plastiCf ottlesdSample Containers Comply to pretreatment g preserNation stan8ar8s cAI OA / xS4I Av |

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|----------------------|------|-----|-----------|--------|---------------------------|--|------------------|
| Water Testing | | | | | | | |
| Total Ur1aniCLarf on | m1/. | 9d0 | 9d0 | 6d (| bo Stan8ar8 | Stan8ar8 u etPo8s 7or tPe 4, amination o7) ater an8) asteHaterdAI OA: A)) A &) 4F: 52tP e8d 595(: part 6(09 B | Ban1kok |

Guideline M477Eent stan8ar8 7or 7aCories: in8Estrial estate an8 in8Estrial park set f y boti7Cation o7tPe u inistry o7batEral ResoErCe an8 4nNronment an8
e77Eent stan8ar8 7or 7aCories an8 in8Estrial park set f y boti7Cation o7TPe u inistry o7-n8Estry 8ate8 JEne 9_: Bd4d6V0 c590_vd
Sampling By : SEraHit barapon1 : I attarapol SaHan1jaitam

Remark M

- .U3 M. imit o73 eteCtion
- "<" M. oHer tPan .UQ c. imit o7QEantitationv / .UR c. imit o7Reportin1v

Approved by

Siriluk P.

SirilEk BEnnak
SeCtion Oea8

ResElts apply to tPe samplecsv as sEf mitte8: Enless tPe samplin1 Has Con8EQe8 f y
A. SdTPe report sPall not f e repro8EQe8 e, Cept in 7ElI HitPoEt tPe Hritten approNal
o7tPe laf oratoryd

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

TESTING

No.0042

Lot ID: 2527554

3ate ReCeIne8 MApr 95: 5956

3ate Reporte8 MApr 09: 5956

Report f Em7er M(5V26b9g0

Client MSiam SyntPetiC. ate, Lod .t8d

h: u ap Ta IPET -n8Estrial 4state: -g2 Roa8: u ap ta pPEt: u Ean1: Rayon1 TPailan8 50069

P/O : 260VWh6_((

Project Name M) ater Testin1

Project Location Mu ap Ta IPETD. ate, cSS. Lv

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| | |
|--------------------------------|--|
| Sample Number | 565_662g0 |
| Sampled Date | Apr 95: 5956 b199 Au |
| Sample Description |) asteHater |
| Location | 3omestiCUEtlet |
| Date Analysis Commenced | Apr 95: 5956 |
| Condition of Sample | Lontaine8 in one am7er 1lass 7ottle: tHo 1lass Nals an8 tPree plastiC7ottles: sample Containers Comply to pretreatment g preserNation stan8ar8s cAI BA: OS4I Av |

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|---|----------|-----|-----------|--------|---------------------------|---|------------------|
| Water Testing | | | | | | | |
| xU3 c6 8ays at 59 3e1ree Lv | m1/. | g | 5d0 | (d | ≤59 | Stan8ar8 u etPo8s vor tPe 4, amination ow) ater an8) asteHaterdAI BA: A)) A &) 4F: 52tP e8d 595(: part 6509 x: part 2699 gU G | Rayon1 |
| LU3 | m1/. | 0d5 | 56 | (_ | ≤059 | Stan8ar8 u etPo8s vor tPe 4, amination ow) ater an8) asteHaterdAI BA: A)) A &) 4F: 52tP e8d 595(: part 6559 3 | Rayon1 |
| Lolor cat Uri1inal pBv | A3u - | g | 6 | 06 | ≤(99 | Stan8ar8 u etPo8s vor tPe 4, amination ow) ater an8) asteHaterdAI BA: A)) A &) 4F: 52tP e8d 595(: part 5059 F | Rayon1 |
| Lolor cat pB _d0v | A3u - | g | 6 | 05 | ≤(99 | Stan8ar8 u etPo8s vor tPe 4, amination ow) ater an8) asteHaterdAI BA: A)) A &) 4F: 52tP e8d 595(: part 5059 F | Rayon1 |
| Uil & Grease | m1/. | g | (| <(| ≤6 | Stan8ar8 u etPo8s vor tPe 4, amination ow) ater an8) asteHaterdAI BA: A)) A &) 4F: 52tP e8d 595(: part 6659 x | Rayon1 |
| pB at 56 8e1ree L | | g | g | _dW | 6d5g00 | Stan8ar8 u etPo8s vor tPe 4, amination ow) ater an8) asteHaterdAI BA: A)) A &) 4F: 52tP e8d 595(: part 2699 gB c0v | Rayon1 |
| TemperatEre * | 3e1ree L | g | g | (9d_ | ≤29 | Stan8ar8 u etPo8s vor tPe 4, amination ow) ater an8) asteHaterdAI BA: A)) A &) 4F: 52tP e8d 595(: part 5669 x | Rayon1 |
| Total 3issolNe8 Soli8s 3rie8 at 0h9 8e1ree L | m1/. | g | 6 | (bW | ≤(999 | Stan8ar8 u etPo8s vor tPe 4, amination ow) ater an8) asteHaterdAI BA: A)) A &) 4F: 52tP e8d 595(: part 5629 L | Rayon1 |
| Total j\el8aPl f itro1en as f | m1/. | g | 0d0 | 6d_ | ≤099 | Stan8ar8 u etPo8s vor tPe 4, amination ow) ater an8) asteHaterdAI BA: A)) A &) 4F: 52tP e8d 595(: part 2699g or1 dLv: part f B(c3v | Rayon1 |

Technical Management

Photchana S.

IPotCPana See8a

SGentist c2v

ทะเบียนเลขที่ ฏ 5(ฏ995h

Approved by

D. Johnson.

3e\ LPan1CPon

Senior u ana1er

ทะเบียนเลขที่ ฏ 5(ฏ9990

ResElts apply to tPe samplescv as sE7mitte8: Enless tPe samplin1 Has Con8EQe8 7y A. SdTPe report sPall not 7e repro8EQe8 e, Cept in vEil HitPoEt tPe Hritten approNal owPe la7oratoryd

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Analysis / Test Report

TESTING

No.0042

Lot ID: 2527554

3ate ReCeIne8 MApr 95: 5956

3ate Reporte8 MApr 09: 5956

Report f Em7er M 5V26b9g0

Client MSiam SyntPetiC. ate, Lod .t8d

h: u ap Ta IPet -n8Estrial 4state: -g2 Roa8: u ap ta pPEt: u Ean1: Rayon1 TPailan8 50069

P/O : 260VWh6_((

Project Name M) ater Testin1

Project Location Mu ap Ta IPetD. ate, cSS. Lv

Iale 5 ow5

| | |
|--------------------------------|--|
| Sample Number | 565_662g0 |
| Sampled Date | Apr 95: 5956 bl99 Au |
| Sample Description |) asteHater |
| Location | 3omestiCUEtlet |
| Date Analysis Commenced | Apr 95: 5956 |
| Condition of Sample | Lontaine8 in one am7er 1lass 7ottle: tHo 1lass Nals an8 tPree plastiC7ottles: sample Containers Comply to pretreatment g preserNation stan8ar8s cAI BA: OS4I Av |

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|---|------|-----|-----------|--------|---------------------------|---|------------------|
| Water Testing | | | | | | | |
| Total SEspen8e8 Soli8s 3rie8 at 09(g096 8e1ree L | m1/. | g | 6 | — | ≤69 | Stan8ar8 u etPo8s wor tPe 4, amination ow) ater an8) asteHaterdAIBA: A)) A &) 4F: 52tP e8d 595(: part 5629 3 | Rayon1 |

Guideline M4wEent stan8ar8 wor v4Cories: in8Estrial estate an8 in8Estrial parJ set 7y f otivCation owTPe u inistry owf atEral ResoErCe an8 4nNronment an8 ewEent stan8ar8 wor v4Cories an8 in8Estrial parJ set 7y f otivCation owTPe u inistry ow-n8Estry 8ate8 KEne 9_: x#d56V0 c590_vd

Sampling By : Sansoen j PEiyoJsEi ทะเบียนเลขที่ ๖๕5(๖๕๖๖๖ : TPanasoEn f amaJEnna ทะเบียนเลขที่ ๖๕592๖๖๖090

RemarJ M

- .U3 M. imit ow3eteCtion
- "<" M. oHer tPan . UQ c. imit owQEantitationv / . UR c. imit owReportin1v
- Analytecsv marJe8 * is/are not inDE8e8 in sCope owACGre8itation -SU/-4L 0_956d
- Samplin1 is not inDE8e8 in sCope owACGre8itation -SU/-4L 0_956

Technical Management

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IPotCPana See8a

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ทะเบียนเลขที่ ๖๕5(๖๕๖๖๖

Approved by

D. Johnson.

3e\ LPan1CPon

Senior u ana1er

ทะเบียนเลขที่ ๖๕5(๖๕๖๖๖

ResElts apply to tPe samplescv as sE7mitte8: Enless tPe samplin1 Has Con8EQe8 7y A. SdTPe report sPall not 7e repro8EQe8 e, Cept in vEil HitPoEt tPe Hritten approNal owPe la7oratoryd

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Analysis / Test Report

Client MSiam SyntPetiC. ate, Lod .t8d
 h: u ap Ta IPET -n8Estrial 4state: -g2 Roa8: u ap ta pPEt: u Ean1: Rayon1 TPailan8 50069
P/O : 260VWh6_((
Project Name M) ater Testin1
Project Location Mu ap Ta IPETD. ate, cSS. Lv

Lot ID: 2527554

3ate ReCeIne8 MApr 95: 5956
 3ate Reporte8 MApr 9b: 5956
 Report f Em7er M 5V26b9g5

Ia1e 0 ow0

| | |
|--------------------------------|---|
| Sample Number | 565_662g0 |
| Sampled Date | Apr 95: 5956 bl99 Au |
| Sample Description |) asteHater |
| Location | 3omestiCUEtlet |
| Date Analysis Commenced | Apr 92: 5956 |
| Condition of Sample | Lontaine8 in one am7er 1lass 7ottle: tHo 1lass Nals an8 tPree plastiC7ottles: sample Containers Comply to pretreatment g preserNation stan8ar8s cAI OA: x S4I Av |

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|----------------------|------|-----|-----------|--------|---------------------------|---|------------------|
| Water Testing | | | | | | | |
| Total Ur1aniCLar7on | m1/. | 9d0 | 9d0 | 6d9 | f o Stan8ar8 | Stan8ar8 u etPo8s wor tPe 4, amination ow) ater an8) asteHaterdAI OA: A)) A &) 4F: 52tP e8d 595(: part 6(09 B | Ban1kok |

Guideline M4wEent stan8ar8 wor vaCories: in8Estrial estate an8 in8Estrial park set 7y f otivCation owTPe u inistry owf atEral ResoErCe an8 4nNronment an8
 ewEent stan8ar8 wor vaCories an8 in8Estrial park set 7y f otivCation owTPe u inistry ow-n8Estry 8ate8 JEne 9_: Bd#d56V0 c590_vd
Sampling By : Sansoen KPEiyoksEi : TPanasoEn f amakEnna

Remark M
 - .U3 M. imit ow3 eteCtion
 - "<" M. oHer tPan . UQ c. imit owQEantitationv / . UR c. imit owReportin1v

Approved by

Suwimon C.

SEHimon LPairEan1HEt
 SGentist c(v

ResElts apply to tPe samplecvs as sE7mitte8: Unless tPe samplin1 Has Con8EQe8 7y
 A. SdTPe report sPall not 7e repro8EQe8 e, Cept in vEIl HitPoEt tPe Hritten approNal
 owTPe la7oratoryd

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Analysis / Test Report

TESTING

No.0042

Lot ID: 2537983

3ate ReCeIne8 Mu ay 9_: 5956

3ate Reporte8 Mu ay 0W 5956

Report bEmf er M(5hh2h2g0

Client MSiam SyntPetiC. ate, Lod .t8d

h: u ap Ta IPET -n8Estrial 4state: -g2 Roa8: u ap ta pPEt: u Ean1: Rayon1 TPailan8 50069

P/O : 260VWh6_((

Project Name M) ater Testin1

Project Location Mu ap Ta IPETD. ate, cSS. Lv

Ia1e 0 o75

| | |
|--------------------------------|--|
| Sample Number | 56(_wh(g0 |
| Sampled Date | u ay 9_: 5956 w56 Au |
| Sample Description |) asteHater |
| Location | 3omestiCUEtlet |
| Date Analysis Commenced | u ay 9_: 5956 |
| Condition of Sample | Lontaine8 in thO 1lass Nals: thO amf er 1lass f ottles an8 tPree plastiCf ottles: sample Containers Comply to pretreatment g preserNation stan8ar8s cAI BA: OS4I Av |

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|---|----------|-----|-----------|--------|---------------------------|--|------------------|
| Water Testing | | | | | | | |
| xU3 c6 8ays at 59 3e1ree Lv | m1/. | g | 5d0 | <5d0 | ≤59 | Stan8ar8 u etPo8s 70r tPe 4, amination o7) ater an8) asteHaterdAIBA: A)) A &) 4F: 52tP e8d 595(: part 6509 x: part 2699 gU G | Rayon1 |
| LU3 | m1/. | 0d5 | 56 | <56 | ≤059 | Stan8ar8 u etPo8s 70r tPe 4, amination o7) ater an8) asteHaterdAIBA: A)) A &) 4F: 52tP e8d 595(: part 6559 3 | Rayon1 |
| Lolor cat Uri1inal pBv | A3u - | g | 6 | 0w | ≤(99 | Stan8ar8 u etPo8s 70r tPe 4, amination o7) ater an8) asteHaterdAIBA: A)) A &) 4F: 52tP e8d 595(: part 5059 F | Rayon1 |
| Lolor cat pB _d0v | A3u - | g | 6 | 0W | ≤(99 | Stan8ar8 u etPo8s 70r tPe 4, amination o7) ater an8) asteHaterdAIBA: A)) A &) 4F: 52tP e8d 595(: part 5059 F | Rayon1 |
| Uil & Grease | m1/. | g | (| <(| ≤6 | Stan8ar8 u etPo8s 70r tPe 4, amination o7) ater an8) asteHaterdAIBA: A)) A &) 4F: 52tP e8d 595(: part 6659 x | Rayon1 |
| pB at 56 8e1ree L | | g | g | _dW | 6d5gvd0 | Stan8ar8 u etPo8s 70r tPe 4, amination o7) ater an8) asteHaterdAIBA: A)) A &) 4F: 52tP e8d 595(: part 2699 gB c0v | Rayon1 |
| TemperatEre * | 3e1ree L | g | g | ((d | ≤29 | Stan8ar8 u etPo8s 70r tPe 4, amination o7) ater an8) asteHaterdAIBA: A)) A &) 4F: 52tP e8d 595(: part 5669 x | Rayon1 |
| Total 3issolNe8 Soli8s 3rie8 at 0h9 8e1ree L | m1/. | g | 6 | 2w5 | ≤(999 | Stan8ar8 u etPo8s 70r tPe 4, amination o7) ater an8) asteHaterdAIBA: A)) A &) 4F: 52tP e8d 595(: part 5629 L | Rayon1 |
| Total j el8aPl bitro1en as b | m1/. | g | 0d0 | 0dv | ≤099 | Stan8ar8 u etPo8s 70r tPe 4, amination o7) ater an8) asteHaterdAIBA: A)) A &) 4F: 52tP e8d 595(: part 2699g0or1 d.v: part bB(c3v | Rayon1 |

Technical Management

Photchana S.

IPotPana See8a

SGentist c2v

ทะเบียนเลขที่ ฏ 5(ฏ995h

Approved by

D. Johnson.

3e\ LPan1CPon

Senior u analer

ทะเบียนเลขที่ ฏ 5(ฏ9990

ResElts apply to tPe samplecsv as sEf mitte8: Enless tPe samplin1 Has G0n8EQe8 f y A. SdTPe report sPall not f e repro8EQe8 e, Cept in 7El HitPoEt tPe Hritten approNal o7tPe laf oratoryd

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Analysis / Test Report

TESTING

No.0042

Lot ID: 2537983

3ate ReCeIne8 Mu ay 9_: 5956

3ate Reporte8 Mu ay 0W 5956

Report bEmf er M(5hh2h2g0

Client MSiam SyntPetiC. ate, Lod .t8d

h: u ap Ta IPeT -n8Estrial 4state: -g2 Roa8: u ap ta pPEt: u Ean1: Rayon1 TPailan8 50069

P/O : 260Wh6_((

Project Name M) ater Testin1

Project Location Mu ap Ta IPeTD. ate, cSS. Lv

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| | |
|--------------------------------|--|
| Sample Number | 56(_wh(g0 |
| Sampled Date | u ay 9_: 5956 wM6 Au |
| Sample Description |) asteHater |
| Location | 3omestiCUEtlet |
| Date Analysis Commenced | u ay 9_: 5956 |
| Condition of Sample | Lontaine8 in tHo 1lass Nals: tHo amf er 1lass f ottles an8 tPree plastiCf ottles: sample Containers Comply to pretreatment g preserNation stan8ar8s cAI BA: OS4I Av |

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|---|------|-----|-----------|--------|---------------------------|---|------------------|
| Water Testing | | | | | | | |
| Total SEspen8e8 Soli8s 3rie8 at 09(g096 8e1ree L | m1/. | g | 6 | <6 | ≤69 | Stan8ar8 u etPo8s 7or tPe 4, amination o7) ater an8) asteHaterdAIBA: A)) A &) 4F: 52tP e8d 595(: part 5629 3 | Rayon1 |

Guideline M477Eent stan8ar8 7or 7aCories: in8Estrial estate an8 in8Estrial parJ set f y boti7Cation o7tPe u inistry o7batEral ResoErCe an8 4nNronment an8 e77Eent stan8ar8 7or 7aCories an8 in8Estrial parJ set f y boti7Cation o7TPe u inistry o7-n8Estry 8ate8 KEne 9_: x d#d56V0 c590_vd

Note : RaH 8ata o7LU3 NalEe cRe7er to .ot -3 56(_wh(g0v is 50d m1/.

Sampling By : Sansoen j PEiyoJsEi ทะเบียนเลขที่ ๖๕ 5(๖๑๑๑๖ : I attarapol SaHan1\aitam ทะเบียนเลขที่ ๖๕๑๒๖๑๑๑๖

RemarJ M

- .U3 M. imit o73 eteQion
- "<" M. oHer tPan .UQ c. imit o7QEantitationv / .UR c. imit o7Reportin1v
- Analytecv marJe8 * is/are not inQE8e8 in sCope o7ACCre8itation -SU/-4L 0_956d
- Samplin1 is not inQE8e8 in sCope o7aCCre8itation -SU/-4L 0_956

Technical Management

Photchana S.

IPotCPana See8a

SGentist c2v

ทะเบียนเลขที่ ๖๕ 5(๖๑๑๑๖

Approved by

D. J. J.

3e\ LPan1CPon

Senior u analer

ทะเบียนเลขที่ ๖๕ 5(๖๑๑๑๖

ResElts apply to tPe samplecv as sEf mitte8: Enless tPe samplin1 Has Con8EQe8 f y A. SdTPe report sPall not f e repro8EQe8 e, Cept in 7Eil HitPoEt tPe Hritten approNal o7tPe laf oratoryd

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Analysis / Test Report

Client MSiam SyntPetiC. ate, Lod .t8d
h: u ap Ta IPet -n8Estrial 4state: -g2 Roa8: u ap ta pPEt: u Ean1: Rayon1 TPailan8 50069
P/O : 260VWh6_((
Project Name M) ater Testin1
Project Location Mu ap Ta IPet7. ate, DSS. Lc

Lot ID: 2537983

v ate ReGei3e8 Mu ay 9_: 5956
v ate Reporte8 Mu ay 0W 5956
Report NEmber M 5hh2h2g5

Page 0 of 0

| | |
|--------------------------------|--|
| Sample Number | 56(_wh(g) |
| Sampled Date | u ay 9_: 5956 w56 Au |
| Sample Description |) asteHater |
| Location | v omestiCUEtlet |
| Date Analysis Commenced | u ay 9w: 5956 |
| Condition of Sample | Lontaine8 in tHo 1lass 3ials: tHo amber 1lass bottles an8 tPree plastiC bottles: sample Containers Comply to pretreatment g preser3ation stan8ar8s DAI OA: x S4I Ac |

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|----------------------|------|-----|-----------|--------|---------------------------|--|------------------|
| Water Testing | | | | | | | |
| Total Ur1aniCLarbon | m1/. | 9d0 | 9d0 | 6d9 | No Stan8ar8 | Stan8ar8 u etPo8s for tPe 4, amination of) ater an8) asteHaterdAI OA: A)) A &) 4F: 52tP e8d 595(: part 6(09 B | Ban1kok |

Guideline M4fflEent stan8ar8 for faCtories: in8Estrial estate an8 in8Estrial park set by NotifiCation of tPe u inistry of NatEral ResoErCe an8 4n3ironment an8
efflEent stan8ar8 for faCtories an8 in8Estrial park set by NotifiCation of TPe u inistry of -n8Estry 8ate8 JEne 9_: Bd#d56V0 D590_cd

Note : RaH 8ata of LUv 3alEe DRefer to .ot -v 56(_wh(g)c is 50d m1/.

Sampling By : Sansoen KPEiyoksEi : I attarapol SaHan1jaitam

Remark M

- .Uv M. imit of v eteQion
- "<" M. oHer tPan . UQ D imit of QEantitationc / . UR D imit of Reportin1c

Approved by

Suwimon C.

SEHimon LPairEan1HEt
SGentist Qc

ResElts apply to tPe sampleCxc as sEbmite8: Unless tPe samplin1 Has Con8EQe8 by
A. SdTPe report sPall not be repro8EQe8 e, Cept in fEli HitPoEt tPe Hritten appro3al
of tPe laboratoryd

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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_h9g0/ 4u A-.

SMReports\7All7G. dpt D5M291 u c



Analysis / Test Report

TESTING

No.0042

Lot ID: 2574597

Nate ReGeibe8 MBEn 92: 5956

Nate Reporte8 MBEn 05: 5956

Report f Em7er M (0V050g)

Client MSiam SyntPetiC. ate, Lod . t8d

h: u ap Ta IPET -n8Estrial 4state: -g2 Roa8: u ap ta pPEt: u Ean1: Rayon1 TPailan8 50069

P/O : 260VWh6_((

Project Name M) ater Testin1

Project Location Mu ap Ta IPETD. ate, cSS. Lv

Ia1e 0 ow5

| | |
|--------------------------------|---|
| Sample Number | 562H6_2g |
| Sampled Date | 3En 92: 5956 Hm6 Au |
| Sample Description |) asteUater |
| Location | NomestiCBETlet |
| Date Analysis Commenced | 3En 92: 5956 |
| Condition of Sample | Containe8 in one am7er 1lass 7ottle: tUo 1lass bials an8 tPree plastiC7ottles: sample Containers Comply to pretreatment g preservation stan8ar8s cAI OA: xS4I Av |

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|---|----------|-----|-----------|--------|---------------------------|--|------------------|
| Water Testing | | | | | | | |
| 8BN c6 8ays at 59 Ne1ree Lv | m1/. | g | 5d | * 5d | ≤59 | Stan8ar8 u etPo8s vor tPe 4, amination ow) ater an8) asteUaterdAI OA: A)) A F) 4G 52tP e8d 595(: part 6509 & part 2699 gB < | Rayon1 |
| LBN | m1/. | 0d | 56 | * 56 | ≤059 | Stan8ar8 u etPo8s vor tPe 4, amination ow) ater an8) asteUaterdAI OA: A)) A F) 4G 52tP e8d 595(: part 6559 N | Rayon1 |
| Lolor cat Bri1inal pOv | ANu - | g | 6 | 52 | ≤(99 | Stan8ar8 u etPo8s vor tPe 4, amination ow) ater an8) asteUaterdAI OA: A)) A F) 4G 52tP e8d 595(: part 5059 G | Rayon1 |
| Lolor cat pO _dv | ANu - | g | 6 | 52 | ≤(99 | Stan8ar8 u etPo8s vor tPe 4, amination ow) ater an8) asteUaterdAI OA: A)) A F) 4G 52tP e8d 595(: part 5059 G | Rayon1 |
| Bil F <rease | m1/. | g | (| *(| ≤6 | Stan8ar8 u etPo8s vor tPe 4, amination ow) ater an8) asteUaterdAI OA: A)) A F) 4G 52tP e8d 595(: part 6659 & | Rayon1 |
| pO at 56 8e1ree L | | g | g | _d | 6d5gtd | Stan8ar8 u etPo8s vor tPe 4, amination ow) ater an8) asteUaterdAI OA: A)) A F) 4G 52tP e8d 595(: part 2699 gO c&v | Rayon1 |
| TemperatEre j | Ne1ree L | g | g | ((d | ≤29 | Stan8ar8 u etPo8s vor tPe 4, amination ow) ater an8) asteUaterdAI OA: A)) A F) 4G 52tP e8d 595(: part 5669 & | Rayon1 |
| Total Nissolbe8 Soli8s Nrie8 at 0h9 8e1ree L | m1/. | g | 6 | 2h9 | ≤(999 | Stan8ar8 u etPo8s vor tPe 4, amination ow) ater an8) asteUaterdAI OA: A)) A F) 4G 52tP e8d 595(: part 5629 L | Rayon1 |
| Total \kel8aPl f itro1en as f | m1/. | g | 0d | 0d | ≤099 | Stan8ar8 u etPo8s vor tPe 4, amination ow) ater an8) asteUaterdAI OA: A)) A F) 4G 52tP e8d 595(: part 2699g or1 d.v: part f O(dNv | Rayon1 |

Technical Management

Photchana S.

IPotCPana See8a

SGentist c2v

ทะเบียนเลขที่ ฏ 5(ฏ995h

Approved by

D. Johnson.

Nek LPan1CPon

Senior u ana1er

ทะเบียนเลขที่ ฏ 5(ฏ9990

ResElts apply to tPe samplecv as sE7mitte8: Enless tPe samplin1 Uas Gn8EQe8 7y A. SdTPe report sPall not 7e repro8EQe8 e, Cept in vEil UitPoEt tPe Uritten approbal owPe la7oratoryd

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Analysis / Test Report

TESTING

No.0042

Lot ID: 2574597

Nate ReGeibe8 MBEn 92: 5956

Nate Reporte8 MBEn 05: 5956

Report f Em7er M (0V050g)

Client MSiam SyntPetiC. ate, Lod .t8d

h: u ap Ta IPET -n8Estrial 4state: -g2 Roa8: u ap ta pPEt: u Ean1: Rayon1 TPailan8 50069

P/O : 260Wh6_((

Project Name M) ater Testin1

Project Location Mu ap Ta IPETD. ate, cSS. Lv

Iale 5 ow5

| | |
|--------------------------------|--|
| Sample Number | 562H6_2g0 |
| Sampled Date | 3En 92: 5956 HM6 Au |
| Sample Description |) asteUater |
| Location | NomestiCBETlet |
| Date Analysis Commenced | 3En 92: 5956 |
| Condition of Sample | Containe8 in one am7er 1lass 7ottle: tUo 1lass bials an8 tPree plastiC7ottles: sample Containers Comply to pretreatment g preservation stan8ar8s cAI OA: xS4IAv |

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|---|------|-----|-----------|--------|---------------------------|---|------------------|
| Water Testing | | | | | | | |
| Total SEspen8e8 Soli8s Nrie8 at 09(g096 8e1ree L | m1/. | g | 6 | W | ≤69 | Stan8ar8 u etPo8s wor tPe 4, amination ow) ater an8) asteUaterdAI OA: A)) A F) 4G 52tP e8d 595(: part 5629 N | Rayon1 |

Guideline M4wEent stan8ar8 wor vaCtories: in8Estrial estate an8 in8Estrial parK set 7y f otivCation owTPe u inistry owf atEral ResoErCe an8 4nbironment an8 ewEent stan8ar8 wor vaCtories an8 in8Estrial parK set 7y f otivCation owTPe u inistry ow-n8Estry 8ate8 3Ene 9_: 𡵖V0 c590_vd

Note : RaU 8ata owLBN balEe cRever to .ot -N 562H6_2g0vis 0_d m1/.

Sampling By : SEraUit f arapon1 ทะเบียนเลขที่ ๖๕ 5(๖๖900 : Iattarapol SaUan1kaitam ทะเบียนเลขที่ ๖๕92๖๖995

RemarKM

- .BN M. imit owNeteQion
- " " M. oUer tPan .BQ c. imit owQEantitationv / . BR c. imit owReportin1v
- Analytecsv marke8 j is/are not inQE8e8 in sCope owACCre8itation -SB/-4L 0_956d
- Samplin1 is not inQE8e8 in sCope owACCre8itation -SB/-4L 0_956

Technical Management

Photchana S.

IPotCPana See8a

SGentist c2v

ทะเบียนเลขที่ ๖๕ 5(๖๖95h

Approved by

D. Johnson.

Nek LPan1CPon

Senior u analer

ทะเบียนเลขที่ ๖๕ 5(๖๖990

ResElts apply to tPe samplecsv as sE7mitte8: Enless tPe samplin1 Uas Gon8EQe8 7y A. SdTPe report sPall not 7e repro8EQe8 e, Cept in vEil UitPoEt tPe Uritten approval owPe la7oratoryd

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Analysis / Test Report

Client MSiam SyntPetiC. ate, Lod .t8d
 h: u ap Ta IPET -n8Estrial 4state: -g2 Roa8: u ap ta pPEt: u Ean1: Rayon1 TPailan8 50069
P/O : 260VWh6_((
Project Name M) ater Testin1
Project Location Mu ap Ta IPETJ. ate, DSS. Lc

Lot ID: 2574597

3ate ReCeIne8 MEn 92: 5956
 3ate Reporte8 MEn 05: 5956
 Report bEmf er M((0V050g5

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| | |
|--------------------------------|--|
| Sample Number | 562w6_2g0 |
| Sampled Date | vEn 92: 5956 wM6 Au |
| Sample Description |) asteHater |
| Location | 3omestiCUEtlet |
| Date Analysis Commenced | vEn 9_: 5956 |
| Condition of Sample | Lontaine8 in one amf er 1lass f ottle: tHo 1lass Nals an8 tPree plastiCf ottles: sample Containers Comply to pretreatment g preserNation stan8ar8s DAI OA: xS4IAc |

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|----------------------|------|-----|-----------|--------|---------------------------|--|------------------|
| Water Testing | | | | | | | |
| Total Ur1aniCLarf on | m1/. | 9d0 | 9d0 | 6d22 | bo Stan8ar8 | Stan8ar8 u etPo8s 7or tPe 4, amination o7) ater an8) asteHaterdAI OA: A)) A &) 4F: 52tP e8d 595(: part 6(09 B | Ban1kok |

Guideline M477Eent stan8ar8 7or 7aCories: in8Estrial estate an8 in8Estrial park set f y boti7Cation o7tPe u inistry o7batEral ResoErCe an8 4nNronment an8
 e77Eent stan8ar8 7or 7aCories an8 in8Estrial park set f y boti7Cation o7TPe u inistry o7-n8Estry 8ate8 vEne 9_: Bd#d56V0 D590_cd

Note : RaH 8ata o7LU3 NalEe DRe7er to .ot -3 562w6_2g0c is 0_d m1/.

Sampling By : SEraHit barapon1 : Iattarapol SaHan1jaitam

Remark M

- .U3 M. imit o73 eteQion
- "<" M. oHer tPan .UQ D imit o7QEantitationc / .UR D imit o7Reportin1c

Approved by

Suwimon C.

SEHimon LPairEan1HEt
 SGentist Q(c

ResElts apply to tPe sampleCsc as sEf mitte8: Unless tPe samplin1 Has Con8EQe8 f y
 A. SdTPe report sPall not f e repro8EQe8 e, Cept in 7ElI HitPoEt tPe Hritten approNal
 o7tPe laf oratoryd

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SMReports\JAIJ G. dpt D2M91 u c



Analysis / Test Report

TESTING
No.0042

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

Lot ID: 2517634
Date Received : Mar 05, 2025
Date Reported : Jun 11, 2025
Report Number : 3242540-1 C3

Page 1 of 2

Sample Number 2517634-1
Sampling Date Mar 05, 2025 10:10 AM
Sample Description Wastewater
Location จุติระมาน้ำทิ้งออกนอกโครงการ (Outfall Pit)
Date Analysis Commenced Mar 05, 2025
Condition of Sample Contained in two glass vials, three amber glass bottles and eight plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|-----------------------------|------|-------|-----------|--------------|---------------------------|--|------------------|
| Water Testing | | | | | | | |
| BOD (5 days at 20 Degree C) | mg/L | - | 2.0 | <2.0 | ≤20 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G | Rayong |
| COD | mg/L | 1.5 | 25 | 34 | ≤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 | 16 | ≤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 | 13 | ≤300 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F | Rayong |
| Cyanide as CN | mg/L | 0.001 | 0.005 | 0.010 | ≤0.2 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-CN (C, E) | Rayong |
| Formaldehyde | mg/L | 0.03 | 0.1 | <0.1 | ≤1.0 | Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed., 2004 | Rayong |
| Oil & Grease | mg/L | - | 3 | <3 | ≤5 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B | Rayong |
| pH at 25 degree C | | - | - | 8.2 | 5.5-9.0 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B) | Rayong |
| Phenol | mg/L | 0.005 | 0.01 | Not Detected | ≤1.0 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5530 B, D | Rayong |

Technical Management

Photchana S.

Photchana Seeda
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon.

Dej Changchon
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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

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Analysis / Test Report

TESTING
No.0042

Client : Siam Polystyrene Co., Ltd.

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

P/O : 00081114

Project Name : Water Testing

Project Location: Map Ta Phut_PS (SPCL)

Lot ID: 2517634

Date Received : Mar 05, 2025

Date Reported : Jun 11, 2025

Report Number : 3242540-1 C3

Page 2 of 2

| | |
|--------------------------------|---|
| Sample Number | 2517634-1 |
| Sampling Date | Mar 05, 2025 10:10 AM |
| Sample Description | Wastewater |
| Location | จุดระบายน้ำทิ้งออกนอกโครงการ (Outfall Pit) |
| Date Analysis Commenced | Mar 05, 2025 |
| Condition of Sample | Contained in two glass vials, three amber glass bottles and eight plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA) |

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|--|----------|-----|-----------|--------|---------------------------|--|------------------|
| Water Testing | | | | | | | |
| Residual Free Chlorine * | mg/L | - | 0.1 | <0.1 | ≤1.0 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (F) | Rayong |
| Sulfide * | mg/L | - | 0.5 | <0.5 | ≤1.0 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F) | Rayong |
| Temperature * | Degree C | - | - | 33.4 | ≤40 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B | Rayong |
| Total Dissolved Solids Dried at 180 degree C | mg/L | - | 5 | 924 | ≤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 | 2.3 | ≤100 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D) | Rayong |
| Total Suspended Solids Dried at 103-105 degree C | mg/L | - | 5 | <5 | ≤50 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D | Rayong |

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

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

Remark :

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

Technical Management

Photchana S.

Photchana Seeda
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Chamon.

Dej Changchon
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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.
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Analysis / Test Report

TESTING
No.0009

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

Lot ID: 2517634
Date Received : Mar 05, 2025
Date Reported : Jun 11, 2025
Report Number : 3242540-2 C3

Page 1 of 5

Sample Number 2517634-1
Sampling Date Mar 05, 2025 10:10 AM
Sample Description Wastewater
Location จดระบายน้ำทิ้งออกนอกโครงการ (Outfall Pit)
Date Analysis Commenced Mar 06, 2025
Condition of Sample Contained in two glass vials, three amber glass bottles and eight plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|-----------------------|------|--------|-----------|--------------|---------------------------|--|------------------|
| Metals Testing | | | | | | | |
| Arsenic | mg/L | 0.0003 | 0.0005 | 0.004 | ≤0.25 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F | Bangkok |
| Barium | mg/L | 0.0003 | 0.0005 | 0.22 | ≤1.0 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F | Bangkok |
| Cadmium | mg/L | 0.0003 | 0.0005 | Not Detected | ≤0.03 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F | Bangkok |
| Copper | mg/L | 0.0003 | 0.0005 | 0.005 | ≤2.0 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F | Bangkok |
| Hexavalent Chromium | mg/L | 0.003 | 0.01 | Not Detected | ≤0.25 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3500-Cr B | Bangkok |
| Lead | mg/L | 0.0003 | 0.0005 | 0.0010 | ≤0.2 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F | Bangkok |
| Manganese | mg/L | 0.0003 | 0.0005 | 0.06 | ≤5.0 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F | Bangkok |
| Mercury * | mg/L | 0.0001 | 0.0005 | Not Detected | ≤0.005 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3112 | Bangkok |

Technical Management

Sawitree N.

Sawitree Noisangiam
Manager

ทะเบียนเลขที่ ว-204-จ-0007

Approved by

Kanok Korn Anek

Kanokkorn Anek
Assistant General Manager

ทะเบียนเลขที่ ว-204-ค-0004

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

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Analysis / Test Report

TESTING
No.0009

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

Lot ID: 2517634

Date Received : Mar 05, 2025
Date Reported : Jun 11, 2025
Report Number : 3242540-2 C3

Page 2 of 5

| Sample Number | 2517634-1 | | | | | | |
|--|---|--------|-----------|--------------|---------------------------|--|------------------|
| Sampling Date | Mar 05, 2025 10:10 AM | | | | | | |
| Sample Description | Wastewater | | | | | | |
| Location | จุดระบายน้ำทิ้งออกนอกโครงการ (Outfall Pit) | | | | | | |
| Date Analysis Commenced | Mar 06, 2025 | | | | | | |
| Condition of Sample | Contained in two glass vials, three amber glass bottles and eight plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA) | | | | | | |
| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
| Metals Testing | | | | | | | |
| Nickel | mg/L | 0.0003 | 0.0005 | 0.006 | ≤1.0 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F | Bangkok |
| Selenium | mg/L | 0.0003 | 0.0005 | <0.0005 | ≤0.02 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F | Bangkok |
| Trivalent Chromium * | mg/L | - | 0.01 | <0.01 | ≤0.75 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F | Bangkok |
| Zinc | mg/L | 0.003 | 0.005 | 1.33 | ≤5.0 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F | Bangkok |
| Pesticides - Organochlorine Group | | | | | | | |
| 2,4-DDD * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B | Bangkok |
| 2,4-DDE * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B | Bangkok |
| 2,4-DDT * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B | Bangkok |

Technical Management

Sawitree N.

Sawitree Noisangiam
Manager

ทะเบียนเลขที่ ว-204-จ-0007

Approved by

Kanok Korn Anek

Kanokkorn Anek
Assistant General Manager

ทะเบียนเลขที่ ว-204-ค-0004

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Analysis / Test Report

TESTING

No.0009

Client : Siam Polystyrene Co., Ltd.

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

P/O : 00081114

Project Name : Water Testing

Project Location: Map Ta Phut_PS (SPCL)

Lot ID: 2517634

Date Received : Mar 05, 2025

Date Reported : Jun 11, 2025

Report Number : 3242540-2 C3

Page 3 of 5

| Sample Number | 2517634-1 | | | | | | |
|--|---|------|-----------|--------------|---------------------------|--|------------------|
| Sampling Date | Mar 05, 2025 10:10 AM | | | | | | |
| Sample Description | Wastewater | | | | | | |
| Location | จุดระบายน้ำทิ้งออกนอกโครงการ (Outfall Pit) | | | | | | |
| Date Analysis Commenced | Mar 06, 2025 | | | | | | |
| Condition of Sample | Contained in two glass vials, three amber glass bottles and eight plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA) | | | | | | |
| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
| Pesticides - Organochlorine Group | | | | | | | |
| 4,4-DDD * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B | Bangkok |
| 4,4-DDE * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B | Bangkok |
| 4,4-DDT * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B | Bangkok |
| Aldrin * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B | Bangkok |
| alpha-BHC * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B | Bangkok |
| beta-BHC * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B | Bangkok |
| Chlordane * | ug/L | 0.02 | 0.04 | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B | Bangkok |

Technical Management

Sawitree N.

Sawitree Noisangiam

Manager

ทะเบียนเลขที่ ว-204-จ-0007

Approved by

Kanok Korn Anek

Kanokkorn Anek

Assistant General Manager

ทะเบียนเลขที่ ว-204-ค-0004

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Analysis / Test Report

TESTING

No.0009

Client : Siam Polystyrene Co., Ltd.

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

P/O : 00081114

Project Name : Water Testing

Project Location: Map Ta Phut_PS (SPCL)

Lot ID: 2517634

Date Received : Mar 05, 2025

Date Reported : Jun 11, 2025

Report Number : 3242540-2 C3

Page 4 of 5

| Sample Number | 2517634-1 | | | | | | |
|--|---|------|-----------|--------------|---------------------------|--|------------------|
| Sampling Date | Mar 05, 2025 10:10 AM | | | | | | |
| Sample Description | Wastewater | | | | | | |
| Location | จุดระบายน้ำทิ้งออกนอกโครงการ (Outfall Pit) | | | | | | |
| Date Analysis Commenced | Mar 06, 2025 | | | | | | |
| Condition of Sample | Contained in two glass vials, three amber glass bottles and eight plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA) | | | | | | |
| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
| Pesticides - Organochlorine Group | | | | | | | |
| delta-BHC * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B | Bangkok |
| Dieldrin * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B | Bangkok |
| Endosulfan I * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B | Bangkok |
| Endosulfan II * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B | Bangkok |
| Endrin * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B | Bangkok |
| Heptachlor * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B | Bangkok |
| Heptachlor-Epoxide * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B | Bangkok |

Technical Management

Sawitree N.

Sawitree Noisangiam

Manager

ทะเบียนเลขที่ ว-204-จ-0007

Approved by

Kanokkorn Anek

Kanokkorn Anek

Assistant General Manager

ทะเบียนเลขที่ ว-204-ค-0004

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Analysis / Test Report

TESTING

No.0009

Client : Siam Polystyrene Co., Ltd.

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

P/O : 00081114

Project Name : Water Testing

Project Location: Map Ta Phut_PS (SPCL)

Lot ID: 2517634

Date Received : Mar 05, 2025

Date Reported : Jun 11, 2025

Report Number : 3242540-2 C3

Page 5 of 5

| Sample Number | 2517634-1 | | | | | | |
|--|---|------|-----------|--------------|---------------------------|--|------------------|
| Sampling Date | Mar 05, 2025 10:10 AM | | | | | | |
| Sample Description | Wastewater | | | | | | |
| Location | จุดระบายน้ำทิ้งออกนอกโครงการ (Outfall Pit) | | | | | | |
| Date Analysis Commenced | Mar 06, 2025 | | | | | | |
| Condition of Sample | Contained in two glass vials, three amber glass bottles and eight plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA) | | | | | | |
| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
| Pesticides - Organochlorine Group | | | | | | | |
| Lindane (gamma-BHC) * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B | Bangkok |
| Methoxychlor * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B | Bangkok |

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

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

Remark :

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

Technical Management

Sawitree N.

Sawitree Noisangiam

Manager

ทะเบียนเลขที่ ว-204-จ-0007

Approved by

Kanokkorn Anek

Kanokkorn Anek

Assistant General Manager

ทะเบียนเลขที่ ว-204-ค-0004

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Analysis / Test Report

TESTING
No.0009

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

Lot ID: 2517634

Date Received : Mar 05, 2025
Date Reported : Jun 11, 2025
Report Number : 3242540-3 C3

Page 1 of 4

| Sample Number | 2517634-1 | | | | | | |
|--|---|------|-----------|--------------|---------------------------|--|------------------|
| Sampling Date | Mar 05, 2025 10:10 AM | | | | | | |
| Sample Description | Wastewater | | | | | | |
| Location | จุดระบายน้ำทิ้งออกนอกโครงการ (Outfall Pit) | | | | | | |
| Date Analysis Commenced | Mar 06, 2025 | | | | | | |
| Condition of Sample | Contained in two glass vials, three amber glass bottles and eight plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA) | | | | | | |
| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
| Metals Testing | | | | | | | |
| Phosphorus | mg/L | 0.03 | 0.05 | 0.37 | No Standard | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| Pesticides - Organochlorine Group | | | | | | | |
| alpha-Chlordane * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B | Bangkok |
| gamma-Chlordane * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B | Bangkok |
| Hexachlorobenzene * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B | Bangkok |
| Mirex * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B | Bangkok |
| Volatile Organics Compounds | | | | | | | |
| 1,1,1-Trichloroethane | ug/L | 1.5 | 5 | Not Detected | No Standard | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B | Bangkok |
| 1,1,2-Trichloroethane | ug/L | 1.5 | 5 | Not Detected | No Standard | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B | Bangkok |
| 1,1-Dichloroethylene | ug/L | 1.5 | 5 | Not Detected | No Standard | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B | Bangkok |

Approved by

Sawitree N.

Sawitree Noisangiam
Manager

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Analysis / Test Report

TESTING
No.0009

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

Lot ID: 2517634

Date Received : Mar 05, 2025
Date Reported : Jun 11, 2025
Report Number : 3242540-3 C3

Page 2 of 4

| Sample Number | 2517634-1 | | | | | | |
|------------------------------------|---|-----|-----------|--------------|---------------------------|---|------------------|
| Sampling Date | Mar 05, 2025 10:10 AM | | | | | | |
| Sample Description | Wastewater | | | | | | |
| Location | จุดระบายน้ำทิ้งออกนอกโครงการ (Outfall Pit) | | | | | | |
| Date Analysis Commenced | Mar 06, 2025 | | | | | | |
| Condition of Sample | Contained in two glass vials, three amber glass bottles and eight plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA) | | | | | | |
| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
| Volatile Organics Compounds | | | | | | | |
| 1,2-Dichloroethane | ug/L | 1.5 | 5 | Not Detected | No Standard | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B | Bangkok |
| 1,3-Dichloropropane * | ug/L | 1.5 | 5 | Not Detected | No Standard | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B | Bangkok |
| Benzene | ug/L | 1.5 | 5 | Not Detected | No Standard | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B | Bangkok |
| Bromodichloromethane * | ug/L | 0.2 | 0.5 | Not Detected | No Standard | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B | Bangkok |
| Bromoform * | ug/L | 0.2 | 0.5 | Not Detected | No Standard | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B | Bangkok |
| Carbontetrachloride | ug/L | 1.5 | 5 | Not Detected | No Standard | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B | Bangkok |
| Chloroform * | ug/L | 0.2 | 0.5 | 1.6 | No Standard | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B | Bangkok |
| cis-1,2-Dichloroethylene | ug/L | 1.5 | 5 | Not Detected | No Standard | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B | Bangkok |
| Dibromochloromethane * | ug/L | 0.2 | 0.5 | Not Detected | No Standard | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B | Bangkok |

Approved by

Sawitree N.

Sawitree Noisangiam
Manager

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Analysis / Test Report

TESTING
No.0009

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

Lot ID: 2517634

Date Received : Mar 05, 2025
Date Reported : Jun 11, 2025
Report Number : 3242540-3 C3

Page 3 of 4

| Sample Number | 2517634-1 | | | | | | |
|--------------------------------------|---|-----|-----------|--------------|---------------------------|---|------------------|
| Sampling Date | Mar 05, 2025 10:10 AM | | | | | | |
| Sample Description | Wastewater | | | | | | |
| Location | จุดระบายน้ำทิ้งออกนอกโครงการ (Outfall Pit) | | | | | | |
| Date Analysis Commenced | Mar 06, 2025 | | | | | | |
| Condition of Sample | Contained in two glass vials, three amber glass bottles and eight plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA) | | | | | | |
| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
| Volatile Organics Compounds | | | | | | | |
| Ethylbenzene | ug/L | 1.5 | 5 | Not Detected | No Standard | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B | Bangkok |
| Hexachlorobutadiene * | ug/L | 1.5 | 5 | Not Detected | No Standard | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B | Bangkok |
| Methyl Chloride | ug/L | 1.5 | 5 | Not Detected | No Standard | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B | Bangkok |
| Methylene Chloride (Dichloromethane) | ug/L | 1.5 | 5 | Not Detected | No Standard | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B | Bangkok |
| Styrene | ug/L | 1.5 | 5 | Not Detected | No Standard | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B | Bangkok |
| Tetrachloroethylene | ug/L | 1.5 | 5 | Not Detected | No Standard | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B | Bangkok |
| Toluene | ug/L | 1.5 | 5 | Not Detected | No Standard | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B | Bangkok |
| Total Trihalomethanes * | ug/L | 0.2 | 1 | 1.6 | No Standard | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B | Bangkok |
| Total Xylene | ug/L | 1.5 | 5 | Not Detected | No Standard | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B | Bangkok |

Approved by

Sawitree N.

Sawitree Noisangiam
Manager

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Analysis / Test Report

TESTING

No.0009

Client : Siam Polystyrene Co., Ltd.

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

P/O : 00081114

Project Name : Water Testing

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2517634

Date Received : Mar 05, 2025

Date Reported : Jun 11, 2025

Report Number : 3242540-3 C3

Page 4 of 4

| Sample Number | 2517634-1 | | | | | | |
|------------------------------------|---|------|-----------|--------------|---------------------------|---|------------------|
| Sampling Date | Mar 05, 2025 10:10 AM | | | | | | |
| Sample Description | Wastewater | | | | | | |
| Location | จุดระบายน้ำทิ้งออกนอกโครงการ (Outfall Pit) | | | | | | |
| Date Analysis Commenced | Mar 06, 2025 | | | | | | |
| Condition of Sample | Contained in two glass vials, three amber glass bottles and eight plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA) | | | | | | |
| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
| Volatile Organics Compounds | | | | | | | |
| trans-1,2-Dichloroethylene | ug/L | 1.5 | 5 | Not Detected | No Standard | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B | Bangkok |
| Trichloroethylene | ug/L | 1.5 | 5 | Not Detected | No Standard | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B | Bangkok |
| Vinyl chloride (Chloroethylene) | ug/L | 1.5 | 5 | Not Detected | No Standard | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B | Bangkok |
| Water Testing | | | | | | | |
| Total Organic Carbon * | mg/L | 0.01 | 0.1 | 17.4 | No Standard | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5310 B | Bangkok |

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

Sampling By : Surawit Narapong , Pattarapol Sawangjaitam

Remark :

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

Approved by

Sawitree N.

Sawitree Noisangiam
Manager

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ภาคผนวก ค-5

คุณภาพน้ำใต้ดิน



Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

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

P/O : 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 |
|----------------------|------|-----|-----------|--------|---------------------------|---|------------------|
| Water Testing | | | | | | | |
| 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): ในกรณีที่มีการปนเปื้อนของกรดหรือด่างให้เปรียบเทียบผลวิเคราะห์ค่าพีเอชจากจุดเก็บตัวอย่างบ่อน้ำที่ใช้ในการติดตามตรวจสอบการปนเปื้อนกับผลวิเคราะห์จากจุดเก็บตัวอย่างบ่อน้ำที่ใช้เป็นบ่ออ้างอิงบนทิศทางแหล่งของน้ำใต้ดินในพื้นที่ โดยค่าพีเอชที่เปลี่ยนแปลงจะต้องไม่เกินหนึ่งระดับ และไม่อยู่นอกช่วงค่าเกณฑ์อนุโลมสูงสุดของมาตรฐานคุณภาพน้ำบาดาลที่บริโภคคือ 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

Photchana S.

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-9446

Approved by

D. Changchon.

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-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 |
|-----------------------------|--------------|------|-----------|--------|---------------------------|--|------------------|
| Water Testing | | | | | | | |
| 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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- "<" : 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 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

Gate Received : Jun 27, 2024

Gate Reported : Jul 05, 2024

Report Number : 28c2821-1

Page 1 of 1

| | |
|--------------------------------|--|
| Sample Number | 24c05b-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 200 ml glass vials, one amber glass bottles and one plastic bottle, sample containers comply to pretreatment - preservation standards (APXA, HSEPA) |

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|----------------------|------|-----|-----------|--------|---------------------------|---|------------------|
| Water Testing | | | | | | | |
| px at 25 degree C | | - | - | b.5 | b.5-c.2 (I) | Standard Methods for the Examination of Water and Wastewater. APXA, AWWA & WEF, 23rd ed., 2017, part 4500 - x (W) | Rayong |

Guideline : Notification of the Ministry of Industry WE. 255c (201b) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation on Soil and Groundwater Quality, and Proposal Report on Soil and Groundwater Controlling and Reduction Measures

(I): ในกรณีที่มีการปนเปื้อนของกรดหรือด่างให้เปรียบเทียบผลวิเคราะห์ค่าพีเอชจากจุดเก็บตัวอย่างบ่อน้ำที่ใช้ในการติดตามตรวจสอบการปนเปื้อนกับผลวิเคราะห์จากจุดเก็บตัวอย่างบ่อน้ำที่ใช้เป็นบ่ออ้างอิงบนทิศทางแหล่งไหลของน้ำใต้ดินในพื้นที่ โดยค่าพีเอชที่เปลี่ยนแปลงจะต้องไม่เกินหนึ่งระดับ และไม่อยู่นอกช่วงค่าเกณฑ์อนุโลมสูงสุดของมาตรฐานคุณภาพน้ำบาดาลที่บริโภคคือ b.5-c.2

Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-2B2-จ-0005 , Thanasoun Samakunna ทะเบียนเลขที่ ว-204-จ-0101

Remark :

- LO6 : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Technical Management

Chontichak

Chonticha Suongkoth

SDentist (B)

ทะเบียนเลขที่ ว-2B2-จ-444

Approved by

D. Chon

6ej Changchon

Senior Manager

ทะเบียนเลขที่ ว-2B2-ค-442

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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

Gate Received : Jun 27, 2024

Gate Reported : Jul 05, 2024

Report Number : 28c2821-2

Page 1 of 1

| | |
|--------------------------------|--|
| Sample Number | 24c05f -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 (APx A, HSEPA) |

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|-----------------------------|------------|------|-----------|--------|---------------------------|---|------------------|
| Water Testing | | | | | | | |
| Conductivity at 25 degree C | microhm/cm | - | 0.5 | 754 | 90 Standard | Standard Methods for the Examination of Water and Wastewater. APx A, AWWA & WEF, 23rd ed., 2017, part 2510.3 | Rayong |
| Total Organic Carbon | mg/L | 0.01 | 0.1 | 0.42 | 90 Standard | Standard Methods for the Examination of Water and Wastewater. APx A, AWWA & WEF, 23rd ed., 2017, part 5B10.3 | Bangkok |
| Total Petroleum Hydrocarbon | mg/L | - | B | <B | 90 Standard | In-house method based on Standard Methods for the Examination of Water and Wastewater. APx A, AWWA & WEF, 23rd ed., 2017, part 5520 F | Rayong |

Guideline : Notification of the Ministry of Industry 3.E. 255c (2013) 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 , Thanasorn Namakunna

Remark :

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Approved by

Siriluk P.

Siriluk Sunnak
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: 249057

Gate Received : Jun 27, 2024

Gate Reported : Jul 05, 2024

Report Number : 28c2822-1

Page 1 of 1

| | |
|--------------------------------|---|
| Sample Number | 24c057-1 |
| Sampled Date | Jun 27, 2024 11:00 AM |
| Sample Description | groundwater |
| Location | MG -5 (3 ear PS weater) |
| 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 (APWA, WSEPA) |

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|----------------------|------|-----|-----------|--------|---------------------------|---|------------------|
| Water Testing | | | | | | | |
| pw at 25 degree C | | - | - | 7.2 | B.5-c.2 (I) | Standard Methods for the Examination of Water and Wastewater. APWA, AGA H G EU, 28rd ed., 2017, part 4500 - w (F) | Rayong |

Guideline : Notification of the Ministry of Industry F.E. 255c (201B) on Soil and groundwater Contamination Criteria, Monitoring of Soil and groundwater Quality, Report Submission and Report Preparation on Soil and groundwater Quality, and Proposal Report on Soil and groundwater Controlling and Reduction Measures

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Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-82&-จ-0005 , Thanasoun Samakunna ทะเบียนเลขที่ ว-204-จ-0101

Remark :

- LO6 : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Technical Management

Chontichak

Chonticha Suongkondh

SDentist (&)

ทะเบียนเลขที่ ว-82&-จ-ค44c

Approved by

D. Chon

6ej Changchon

Senior Manager

ทะเบียนเลขที่ ว-82&-ค-ค442

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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

6ate ReDeived : Jun 27, 2024

6ate Reported : Jul 05, 2024

Report 9 umNer : 28c2822-2

Page 1 ob 1

| | | | | | | | |
|--------------------------------|--|------------|------------------|---------------|----------------------------------|--|-------------------------|
| Sample Number | 24c057-1 | | | | | | |
| Sampled Date | Jun 27, 2024 11:00 AM | | | | | | |
| Sample Description | f roundGater | | | | | | |
| Location | Mw -5 (9 ear PS Weater) | | | | | | |
| Date Analysis Commenced | Jun 27, 2024 | | | | | | |
| Condition of Sample | Contained in tGo glass vials, one amNer glass Nottles and one plastiDNottle, sample Containers Dmply to pretreatment - preservation standards (APWA, 3 SEPA) | | | | | | |
| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
| Water Testing | | | | | | | |
| ConduDivity at 25 6egree C | miDromhos/Dm | - | 0.5 | 5cc | 9o Standard | Standard Methods for the Examination obwater and wasteGater. APWA, AwwA H w EU, 28rd ed., 2017, part 2510 F | Rayong |
| Total BrganiDCarNon | mg/L | 0.01 | 0.1 | 4.71 | 9o Standard | Standard Methods for the Examination obwater and wasteGater. APWA, AwwA H w EU, 28rd ed., 2017, part 5810 F | FangObO |
| Total Petroleum WydroDarNon | mg/L | - | & | k & | 9o Standard | In-house method Nased on Standard Methods for the Examination obwater and wasteGater. APWA, AwwA H w EU, 28rd ed., 2017, part 5520 U | Rayong |

Guideline : 9otibDation obthe Ministry obIndustry F.E. 255c (201<) on Soil and f roundGater Contamination Criteria, Monitoring obSoil and f roundGater Quality, Report SuNmission and Report Preparation obSoil and f roundGater Quality, and Proposal Report obSoil and f roundGater Controlling and ReduDion Measures

Sampling By : Sansoen KhuiyoQsui , Thanasoun 9amaQunna

RemarO :

- LB6 : Limit ob6eteDtion
- "k" : LoGer than LBQ (Limit obQuantitation) / LBR (Limit obReporting)

Approved by

Siriluk P.

SiriluOFunnaO
SeDtion Wead

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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: 249058

Gate Received : Jun 28, 2024

Gate Reported : Jul 05, 2024

Report Number : 28c2824-1

Page 1 of 1

| | |
|--------------------------------|---|
| Sample Number | 24c058-1 |
| Sampled Date | Jun 28, 2024 11:50 AM |
| Sample Description | Groundwater |
| Location | MG -w(South West) |
| Date Analysis Commenced | Jun 28, 2024 |
| Condition of Sample | Contained in one amber glass bottle, 10 glass vials and one plastic bottle, sample containers comply to pretreatment - preservation standards (APXA, HSEPA) |

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|----------------------|------|-----|-----------|--------|---------------------------|---|------------------|
| Water Testing | | | | | | | |
| px at 25 degree C | | - | - | 5 | 5-c.2 (I) | Standard Methods for the Examination of Water and Wastewater. APXA, AGA & GEI 21st ed., 2017, part 4500 - x (B) | Rayong |

Guideline : Notification of the Ministry of Industry B.E. 255c (2011) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation on Soil and Groundwater Quality, and Proposal Report on Soil and Groundwater Controlling and Reduction Measures

(I): ในกรณีที่มีการปนเปื้อนของกรดหรือด่างให้เปรียบเทียบผลวิเคราะห์ค่าพีเอชจากจุดเก็บตัวอย่างบ่อน้ำที่ใช้ในการติดตามตรวจสอบการปนเปื้อนกับผลวิเคราะห์จากจุดเก็บตัวอย่างบ่อน้ำที่ใช้เป็นบ่ออ้างอิงบนทิศทางแหล่งไหลของน้ำใต้ดินในพื้นที่ โดยค่าพีเอชที่เปลี่ยนแปลงจะต้องไม่เกินหนึ่งระดับ และไม่อยู่นอกช่วงค่าเกณฑ์อนุโลมสูงสุดของมาตรฐานคุณภาพน้ำบาดาลที่บริโภคคือ 5-9

Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-2F2F-จ-0005 , Thanasoun Samakunna ทะเบียนเลขที่ ว-204-จ-0101

Remark :

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

Technical Management

Photchanas.

Photchanas Seeda

SDentist (4)

ทะเบียนเลขที่ ว-2F2F-จ-444

Approved by

D. Chon.

6ej Changchon

Senior Manager

ทะเบียนเลขที่ ว-2F2F-ค-442

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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: 249058

6ate ReDeived : Jun 28, 2024

6ate Reported : Jul 05, 2024

Report 9 umNer : 28c2824-2

Page 1 ob 1

| | |
|--------------------------------|--|
| Sample Number | 24c058-1 |
| Sampled Date | Jun 28, 2024 11:50 AM |
| Sample Description | f roundGater |
| Location | Mw -W(South 3enDe) |
| Date Analysis Commenced | Jun 2c, 2024 |
| Condition of Sample | Contained in one amNer glass Nottle, tGo glass vials and one plastiDNottle, sample Containers Dmply to pretreatment - preservation standards (APxA, HSEPA) |

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|------------------------------|--------------|------|-----------|--------|---------------------------|--|------------------|
| Water Testing | | | | | | | |
| ConduDivity at 25 6egree C | miDromhos/Dm | - | 0.5 | WF2 | 9o Standard | Standard Methods for the EUmination obwater and wasteGater. APxA, AwwA & wE3, 2FrD ed., 2017, part 2510 B | Rayong |
| Total OrganiDCarNon | mg/L | 0.01 | 0.1 | 12.5 | 9o Standard | Standard Methods for the EUmination obwater and wasteGater. APxA, AwwA & wE3, 2FrD ed., 2017, part 5F10 B | Bangkok |
| Total Petroleum x ydroDarNon | mg/L | - | F | <F | 9o Standard | In-house method Nased on Standard Methods for the EUmination obwater and wasteGater. APxA, AwwA & wE3, 2FrD ed., 2017, part 5520 3 | Rayong |

Guideline : 9otibDation obthe Ministry obIndustry B.E. 255c (201V) on Soil and f roundGater Contamination Criteria, Monitoring obSoil and f roundGater Quality, Report SuNmission and Report Preparation obSoil and f roundGater Quality, and Proposal Report obSoil and f roundGater Controlling and ReduDion Measures

Sampling By : Sansoen Khuiyoksui , Thanasoun 9amakunna

Remark :

- LO6 : Limit ob6eteDtion
- "<" : LoGer than LOQ (Limit obQuantitation) / LOR (Limit obReporting)

Approved by

Siriluk P.

Siriluk Bunnak
SeDtion x ead

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7781-F1/ EMAIL

S:\Reports\All_f L.rpt (5:21PM)

ภาคผนวก ค-6

คุณภาพอากาศในสภาพแวดล้อมการทำงาน



Analysis / Test Report

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

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2517471

Date Received : Feb 27, 2025

Date Reported : Mar 06, 2025

Report Number : 3242185-1

Page 1 of 5

Sample Number 2517471-1
Sampled Date Feb 26, 2025
Sample Description Air Quality
Location RM Preparation
Date Analysis Commenced Feb 28, 2025
Condition of Sample Drawn into one 10-L air sampling bag, one filter paper placed in plastic cassette and one sorbent tube, refrigerated
Barometric Pressure 760 mmHg
Atmospheric Temperature 31.2 °C

| Analyte | Sampled Date/time | Unit | LOD | LOQ (LOR) | Result | Guideline Limit | Method | Guideline | Testing Location |
|------------------------------------|---------------------|-------|-----|-----------|--------|-----------------|--|-----------|------------------|
| Air Testing | | | | | | | | | |
| Methane as Propane | 10:30 AM - 10:50 AM | ppm | - | 0.33 | 0.58 | No Standard | Total Hydrocarbon Analyzer | - | Rayong |
| Non Methane Hydrocarbon as Propane | 10:30 AM - 10:50 AM | ppm | - | 0.33 | <0.33 | No Standard | Total Hydrocarbon Analyzer | - | Rayong |
| Styrene | 10:00 AM - 12:00 PM | ppm | - | 0.05 | <0.05 | 100 | 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 | 10:00 AM - 12:00 PM | mg/m3 | - | 0.15 | <0.15 | 15 | In-house method : STM 02-022 based on NIOSH Manual of Analytical Method, 4th ed., NMAM, method 0500, Issue 2, 1994 | OSHA | Rayong |
| Total Hydrocarbon as Propane | 10:30 AM - 10:50 AM | ppm | - | 0.33 | 0.58 | 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

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: 2517471

Date Received : Feb 27, 2025

Date Reported : Mar 06, 2025

Report Number : 3242185-1

Page 2 of 5

| | |
|--------------------------------|--|
| Sample Number | 2517471-2 |
| Sampled Date | Feb 26, 2025 |
| Sample Description | Air Quality |
| Location | Polymerization |
| Date Analysis Commenced | Feb 28, 2025 |
| Condition of Sample | Drawn into one 10-L air sampling bag, one filter paper placed in plastic cassette and one sorbent tube, refrigerated |
| Barometric Pressure | 760 mmHg |
| Atmospheric Temperature | 31.2 °C |

| Analyte | Sampled Date/time | Unit | LOD | LOQ (LOR) | Result | Guideline Limit | Method | Guideline | Testing Location |
|------------------------------------|---------------------|-------|-----|-----------|--------|-----------------|--|-----------|------------------|
| Air Testing | | | | | | | | | |
| Methane as Propane | 10:30 AM - 10:50 AM | ppm | - | 0.33 | 0.74 | No Standard | Total Hydrocarbon Analyzer | - | Rayong |
| Non Methane Hydrocarbon as Propane | 10:30 AM - 10:50 AM | ppm | - | 0.33 | <0.33 | No Standard | Total Hydrocarbon Analyzer | - | Rayong |
| Styrene | 10:00 AM - 12:00 PM | ppm | - | 0.05 | <0.05 | 100 | 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 | 10:00 AM - 12:00 PM | mg/m3 | - | 0.15 | <0.15 | 15 | In-house method : STM 02-022 based on NIOSH Manual of Analytical Method, 4th ed., NMAM, method 0500, Issue 2, 1994 | OSHA | Rayong |
| Total Hydrocarbon as Propane | 10:30 AM - 10:50 AM | ppm | - | 0.33 | 0.74 | 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

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: 2517471

Date Received : Feb 27, 2025

Date Reported : Mar 06, 2025

Report Number : 3242185-1

Page 3 of 5

| | |
|--------------------------------|--|
| Sample Number | 2517471-3 |
| Sampled Date | Feb 26, 2025 |
| Sample Description | Air Quality |
| Location | Devolatization |
| Date Analysis Commenced | Feb 28, 2025 |
| Condition of Sample | Drawn into one 10-L air sampling bag, one filter paper placed in plastic cassette and one sorbent tube, refrigerated |
| Barometric Pressure | 760 mmHg |
| Atmospheric Temperature | 31.2 °C |

| Analyte | Sampled Date/time | Unit | LOD | LOQ (LOR) | Result | Guideline Limit | Method | Guideline | Testing Location |
|------------------------------------|---------------------|-------|-----|-----------|--------|-----------------|--|-----------|------------------|
| Air Testing | | | | | | | | | |
| Methane as Propane | 11:00 AM - 11:20 AM | ppm | - | 0.33 | 0.64 | No Standard | Total Hydrocarbon Analyzer | - | Rayong |
| Non Methane Hydrocarbon as Propane | 11:00 AM - 11:20 AM | ppm | - | 0.33 | <0.33 | No Standard | Total Hydrocarbon Analyzer | - | Rayong |
| Styrene | 10:00 AM - 12:00 PM | ppm | - | 0.05 | <0.05 | 100 | 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 | 10:00 AM - 12:00 PM | mg/m3 | - | 0.15 | <0.15 | 15 | In-house method : STM 02-022 based on NIOSH Manual of Analytical Method, 4th ed., NMAM, method 0500, Issue 2, 1994 | OSHA | Rayong |
| Total Hydrocarbon as Propane | 11:00 AM - 11:20 AM | ppm | - | 0.33 | 0.64 | 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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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: 2517471

Date Received : Feb 27, 2025

Date Reported : Mar 06, 2025

Report Number : 3242185-1

Page 4 of 5

| | |
|--------------------------------|--|
| Sample Number | 2517471-4 |
| Sampled Date | Feb 26, 2025 |
| Sample Description | Air Quality |
| Location | Finishing |
| Date Analysis Commenced | Feb 28, 2025 |
| Condition of Sample | Drawn into one 10-L air sampling bag, one filter paper placed in plastic cassette and one sorbent tube, refrigerated |
| Barometric Pressure | 760 mmHg |
| Atmospheric Temperature | 31.2 °C |

| Analyte | Sampled Date/time | Unit | LOD | LOQ (LOR) | Result | Guideline Limit | Method | Guideline | Testing Location |
|------------------------------------|---------------------|-------|-----|-----------|--------|-----------------|--|-----------|------------------|
| Air Testing | | | | | | | | | |
| Methane as Propane | 10:00 AM - 10:20 AM | ppm | - | 0.33 | 0.71 | No Standard | Total Hydrocarbon Analyzer | - | Rayong |
| Non Methane Hydrocarbon as Propane | 10:00 AM - 10:20 AM | ppm | - | 0.33 | <0.33 | No Standard | Total Hydrocarbon Analyzer | - | Rayong |
| Styrene | 10:00 AM - 12:00 PM | 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 | 10:00 AM - 12:00 PM | mg/m3 | - | 0.15 | <0.15 | 15 | In-house method : STM 02-022 based on NIOSH Manual of Analytical Method, 4th ed., NMAM, method 0500, Issue 2, 1994 | OSHA | Rayong |
| Total Hydrocarbon as Propane | 10:00 AM - 10:20 AM | ppm | - | 0.33 | 0.71 | 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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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: 2517471

Date Received : Feb 27, 2025

Date Reported : Mar 06, 2025

Report Number : 3242185-1

Page 5 of 5

| | |
|--------------------------------|--|
| Sample Number | 2517471-5 |
| Sampled Date | Feb 26, 2025 |
| Sample Description | Air Quality |
| Location | Packaging |
| Date Analysis Commenced | Feb 28, 2025 |
| Condition of Sample | Drawn into one 10-L air sampling bag, one filter paper placed in plastic cassette and one sorbent tube, refrigerated |
| Barometric Pressure | 760 mmHg |
| Atmospheric Temperature | 31.2 °C |

| Analyte | Sampled Date/time | Unit | LOD | LOQ (LOR) | Result | Guideline Limit | Method | Guideline | Testing Location |
|------------------------------------|---------------------|-------|-----|-----------|--------|-----------------|--|-----------|------------------|
| Air Testing | | | | | | | | | |
| Methane as Propane | 10:00 AM - 10:20 AM | ppm | - | 0.33 | 0.53 | No Standard | Total Hydrocarbon Analyzer | - | Rayong |
| Non Methane Hydrocarbon as Propane | 10:00 AM - 10:20 AM | ppm | - | 0.33 | <0.33 | No Standard | Total Hydrocarbon Analyzer | - | Rayong |
| Styrene | 10:00 AM - 12:00 PM | 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 | 10:00 AM - 12:00 PM | mg/m3 | - | 0.15 | <0.15 | 15 | In-house method : STM 02-022 based on NIOSH Manual of Analytical Method, 4th ed., NMAM, method 0500, Issue 2, 1994 | OSHA | Rayong |
| Total Hydrocarbon as Propane | 10:00 AM - 10:20 AM | ppm | - | 0.33 | 0.53 | 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

Client : Siam Polystyrene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand
21150
P/O : 4516912284
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2542277

Date Received : May 28, 2025
Date Reported : Jun 06, 2025
Report Number : 3298621-1

Page 1 of 5

Sample Number 2542277-1
Sampled Date May 28, 2025
Sample Description Air Quality
Location RM Preparation
Date Analysis Commenced May 29, 2025
Condition of Sample Drawn into one filter paper placed in plastic cassette, one 10-L air sampling bag and one sorbent tube, refrigerated
Barometric Pressure 755 mmHg
Atmospheric Temperature 31.5 °C

| Analyte | Sampled Date/time | Unit | LOD | LOQ (LOR) | Result | Guideline Limit | Method | Guideline | Testing Location |
|------------------------------------|---------------------|-------|-----|-----------|--------|-----------------|--|-----------|------------------|
| Air Testing | | | | | | | | | |
| Methane as Propane | 09:10 AM - 09:30 AM | ppm | - | 0.33 | 0.83 | No Standard | Total Hydrocarbon Analyzer | - | Rayong |
| Non Methane Hydrocarbon as Propane | 09:10 AM - 09:30 AM | ppm | - | 0.33 | 0.40 | No Standard | Total Hydrocarbon Analyzer | - | Rayong |
| Styrene | 09:10 AM - 11:10 AM | ppm | - | 0.05 | 0.06 | 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 | In-house method : STM 02-022 based on NIOSH Manual of Analytical Method, 4th ed., NMAM, method 0500, Issue 2, 1994 | OSHA | Rayong |
| Total Hydrocarbon as Propane | 09:10 AM - 09:30 AM | ppm | - | 0.33 | 1.23 | 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 : Apichart Wilars

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

Lot ID: 2542277

Date Received : May 28, 2025
Date Reported : Jun 06, 2025
Report Number : 3298621-1

Page 2 of 5

Sample Number 2542277-2
Sampled Date May 28, 2025
Sample Description Air Quality
Location Polymerization
Date Analysis Commenced May 29, 2025
Condition of Sample Drawn into one filter paper placed in plastic cassette, one 10-L air sampling bag and one sorbent tube, refrigerated
Barometric Pressure 755 mmHg
Atmospheric Temperature 31.5 °C

| Analyte | Sampled Date/time | Unit | LOD | LOQ (LOR) | Result | Guideline Limit | Method | Guideline | Testing Location |
|------------------------------------|---------------------|-------|-----|-----------|--------|-----------------|--|-----------|------------------|
| Air Testing | | | | | | | | | |
| Methane as Propane | 09:40 AM - 10:00 AM | ppm | - | 0.33 | 0.80 | No Standard | Total Hydrocarbon Analyzer | - | Rayong |
| Non Methane Hydrocarbon as Propane | 09:40 AM - 10:00 AM | ppm | - | 0.33 | 0.47 | No Standard | Total Hydrocarbon Analyzer | - | Rayong |
| Styrene | 09:20 AM - 11:20 AM | ppm | - | 0.05 | <0.05 | 100 | In - house method : STM 04-032 based on NIOSH Manual of Analytical Methods, 4th ed., NMAM, method 1501, issue 3, 2003 (Include sampling) | MOL | Bangkok |
| Total Dust | 09:20 AM - 11:20 AM | mg/m3 | - | 0.15 | <0.15 | 15 | In-house method : STM 02-022 based on NIOSH Manual of Analytical Method, 4th ed., NMAM, method 0500, Issue 2, 1994 | OSHA | Rayong |
| Total Hydrocarbon as Propane | 09:40 AM - 10:00 AM | ppm | - | 0.33 | 1.27 | No Standard | Total Hydrocarbon Analyzer | - | Rayong |

Guideline :

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

OSHA : Occupational Safety and Health Administration

Sampled By : Apichart Wilars

Remark :

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

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

Lot ID: 2542277

Date Received : May 28, 2025
Date Reported : Jun 06, 2025
Report Number : 3298621-1

Page 3 of 5

Sample Number : 2542277-3
Sampled Date : May 28, 2025
Sample Description : Air Quality
Location : Devolatilization
Date Analysis Commenced : May 29, 2025
Condition of Sample : Drawn into one filter paper placed in plastic cassette, one 10-L air sampling bag and one sorbent tube, refrigerated
Barometric Pressure : 755 mmHg
Atmospheric Temperature : 31.3 °C

| Analyte | Sampled Date/time | Unit | LOD | LOQ (LOR) | Result | Guideline Limit | Method | Guideline | Testing Location |
|------------------------------------|---------------------|-------|-----|-----------|--------|-----------------|--|-----------|------------------|
| Air Testing | | | | | | | | | |
| Methane as Propane | 09:15 AM - 09:35 AM | ppm | - | 0.33 | 0.80 | No Standard | Total Hydrocarbon Analyzer | - | Rayong |
| Non Methane Hydrocarbon as Propane | 09:15 AM - 09:35 AM | ppm | - | 0.33 | <0.33 | No Standard | Total Hydrocarbon Analyzer | - | Rayong |
| Styrene | 09:15 AM - 11:15 AM | ppm | - | 0.05 | <0.05 | 100 | In - house method : STM 04-032 based on NIOSH Manual of Analytical Methods, 4th ed., NMAM, method 1501, issue 3, 2003 (Include sampling) | MOL | Bangkok |
| Total Dust | 09:15 AM - 11:15 AM | mg/m3 | - | 0.15 | <0.15 | 15 | In-house method : STM 02-022 based on NIOSH Manual of Analytical Method, 4th ed., NMAM, method 0500, Issue 2, 1994 | OSHA | Rayong |
| Total Hydrocarbon as Propane | 09:15 AM - 09:35 AM | ppm | - | 0.33 | 0.80 | No Standard | Total Hydrocarbon Analyzer | - | Rayong |

Guideline :

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

OSHA : Occupational Safety and Health Administration

Sampled By : Apichart Wilars

Remark :

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

Approved by

Saranya C.

Saranya Chalermthamrong
Scientist (4)

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



Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand
21150
P/O : 4516912284
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2542277

Date Received : May 28, 2025
Date Reported : Jun 06, 2025
Report Number : 3298621-1

Page 4 of 5

Sample Number 2542277-4
Sampled Date May 28, 2025
Sample Description Air Quality
Location Finishing
Date Analysis Commenced May 29, 2025
Condition of Sample Drawn into one filter paper placed in plastic cassette, one 10-L air sampling bag and one sorbent tube, refrigerated
Barometric Pressure 755 mmHg
Atmospheric Temperature 31.5 °C

| Analyte | Sampled Date/time | Unit | LOD | LOQ (LOR) | Result | Guideline Limit | Method | Guideline | Testing Location |
|------------------------------------|---------------------|-------|-----|-----------|--------|-----------------|--|-----------|------------------|
| Air Testing | | | | | | | | | |
| Methane as Propane | 09:00 AM - 09:20 AM | ppm | - | 0.33 | 0.83 | No Standard | Total Hydrocarbon Analyzer | - | Rayong |
| Non Methane Hydrocarbon as Propane | 09:00 AM - 09:20 AM | ppm | - | 0.33 | 0.33 | No Standard | Total Hydrocarbon Analyzer | - | Rayong |
| Styrene | 09:00 AM - 11:00 AM | ppm | - | 0.05 | <0.05 | 100 | In - house method : STM 04-032 based on NIOSH Manual of Analytical Methods, 4th ed., NMAM, method 1501, issue 3, 2003 (Include sampling) | MOL | Bangkok |
| Total Dust | 09:00 AM - 11:00 AM | mg/m3 | - | 0.15 | <0.15 | 15 | In-house method : STM 02-022 based on NIOSH Manual of Analytical Method, 4th ed., NMAM, method 0500, Issue 2, 1994 | OSHA | Rayong |
| Total Hydrocarbon as Propane | 09:00 AM - 09:20 AM | ppm | - | 0.33 | 1.17 | No Standard | Total Hydrocarbon Analyzer | - | Rayong |

Guideline :

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

OSHA : Occupational Safety and Health Administration

Sampled By : Apichart Wilars

Remark :

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

Approved by

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

Lot ID: 2542277

Date Received : May 28, 2025
Date Reported : Jun 06, 2025
Report Number : 3298621-1

Page 5 of 5

Sample Number 2542277-5
Sampled Date May 28, 2025
Sample Description Air Quality
Location Packaging
Date Analysis Commenced May 29, 2025
Condition of Sample Drawn into one filter paper placed in plastic cassette, one 10-L air sampling bag and one sorbent tube, refrigerated
Barometric Pressure 755 mmHg
Atmospheric Temperature 31.9 °C

| Analyte | Sampled Date/time | Unit | LOD | LOQ (LOR) | Result | Guideline Limit | Method | Guideline | Testing Location |
|------------------------------------|---------------------|-------|-----|-----------|--------|-----------------|--|-----------|------------------|
| Air Testing | | | | | | | | | |
| Methane as Propane | 09:30 AM - 09:50 AM | ppm | - | 0.33 | 0.83 | 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 | 09:05 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 | In-house method : STM 02-022 based on NIOSH Manual of Analytical Method, 4th ed., NMAM, method 0500, Issue 2, 1994 | OSHA | Rayong |
| Total Hydrocarbon as Propane | 09:30 AM - 09:50 AM | ppm | - | 0.33 | 1.17 | No Standard | Total Hydrocarbon Analyzer | - | Rayong |

Guideline :

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OSHA : Occupational Safety and Health Administration

Sampled By : Apichart Wilars

Remark :

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

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ภาคผนวก ค-7

ระดับเสียงในสถานที่ทำงาน



Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

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

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2517475

Date Received : Feb 27, 2025

Date Reported : Mar 04, 2025

Report Number: 3248372-1

Page 1 of 1

Sample Number 2517475-1
Parameter Noise (Leq 8 hrs.)
Location MRU
Measurement Date Feb 26, 2025
Measurement by Satcha Phetsawaeng

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 10:50 AM - 11:50 AM | 84.1 | 87.4 | 83.6 |
| 11:50 AM - 12:50 PM | 83.6 | 85.9 | 83.1 |
| 12:50 PM - 01:50 PM | 83.8 | 85.4 | 83.3 |
| 01:50 PM - 02:50 PM | 84.3 | 87.0 | 83.9 |
| 02:50 PM - 03:50 PM | 84.4 | 87.4 | 84.0 |
| 03:50 PM - 04:50 PM | 84.3 | 86.6 | 84.0 |
| 04:50 PM - 05:50 PM | 84.5 | 87.7 | 84.0 |
| 05:50 PM - 06:50 PM | 84.5 | 86.2 | 84.0 |

Leq Average 8 hrs. (dB(A))

84.2

Lmax (dB(A))

87.7

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

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

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2517475

Date Received : Feb 27, 2025

Date Reported : Mar 04, 2025

Report Number: 3248373-1

Page 1 of 1

Sample Number 2517475-2
Parameter Noise (Leq 8 hrs.)
Location Transfer Blower
Measurement Date Feb 26, 2025
Measurement by Satcha Phetsawaeng

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 10:30 AM - 11:30 AM | 86.6 | 89.8 | 85.4 |
| 11:30 AM - 12:30 PM | 84.3 | 86.5 | 80.7 |
| 12:30 PM - 01:30 PM | 79.1 | 85.2 | 78.3 |
| 01:30 PM - 02:30 PM | 82.9 | 88.9 | 78.8 |
| 02:30 PM - 03:30 PM | 83.6 | 86.4 | 78.9 |
| 03:30 PM - 04:30 PM | 81.4 | 85.6 | 78.6 |
| 04:30 PM - 05:30 PM | 83.6 | 87.1 | 78.7 |
| 05:30 PM - 06:30 PM | 84.2 | 86.4 | 80.6 |

Leq Average 8 hrs. (dB(A))

83.7

Lmax (dB(A))

89.8

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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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: 2517475

Date Received : Feb 27, 2025

Date Reported : Mar 04, 2025

Report Number: 3248374-1

Page 1 of 1

Sample Number 2517475-3
Parameter Noise (Leq 8 hrs.)
Location Emergency Generator
Measurement Date Feb 26, 2025
Measurement by Satcha Phetsawaeng

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 10:56 AM - 11:56 AM | 80.2 | 85.4 | 78.8 |
| 11:56 AM - 12:56 PM | 81.6 | 84.6 | 80.2 |
| 12:56 PM - 01:56 PM | 80.4 | 84.8 | 77.3 |
| 01:56 PM - 02:56 PM | 79.7 | 88.5 | 77.9 |
| 02:56 PM - 03:56 PM | 80.8 | 85.2 | 78.0 |
| 03:56 PM - 04:56 PM | 80.8 | 86.3 | 78.5 |
| 04:56 PM - 05:56 PM | 79.8 | 84.1 | 78.8 |
| 05:56 PM - 06:56 PM | 81.4 | 84.4 | 80.0 |

Leq Average 8 hrs. (dB(A))

80.6

Lmax (dB(A))

88.5

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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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: 2517475

Date Received : Feb 27, 2025

Date Reported : Mar 04, 2025

Report Number: 3248375-1

Page 1 of 1

Sample Number 2517475-4
Parameter Noise (Leq 8 hrs.)
Location Pelletizer
Measurement Date Feb 26, 2025
Measurement by Satcha Phetsawaeng

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 10:48 AM - 11:48 AM | 88.9 | 89.9 | 88.7 |
| 11:48 AM - 12:48 PM | 88.8 | 89.5 | 88.5 |
| 12:48 PM - 01:48 PM | 88.5 | 89.2 | 88.4 |
| 01:48 PM - 02:48 PM | 88.7 | 92.7 | 88.5 |
| 02:48 PM - 03:48 PM | 88.6 | 89.2 | 88.5 |
| 03:48 PM - 04:48 PM | 88.8 | 91.4 | 88.6 |
| 04:48 PM - 05:48 PM | 88.9 | 89.8 | 88.7 |
| 05:48 PM - 06:48 PM | 88.4 | 89.1 | 88.3 |

Leq Average 8 hrs. (dB(A))

88.7

Lmax (dB(A))

92.7

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

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

P/O : 4516912284

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2542281

Date Received : May 28, 2025

Date Reported : Jun 04, 2025

Report Number: 3323456-1

Page 1 of 1

Sample Number 2542281-1
Parameter Noise (Leq 8 hrs.)
Location MRU
Measurement Date May 28, 2025
Measurement by Apichart Wilars

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 08:48 AM - 09:48 AM | 83.7 | 88.6 | 83.1 |
| 09:48 AM - 10:48 AM | 83.4 | 85.2 | 82.7 |
| 10:48 AM - 11:48 AM | 83.5 | 85.7 | 83.0 |
| 11:48 AM - 12:48 PM | 83.5 | 85.3 | 83.0 |
| 12:48 PM - 01:48 PM | 83.4 | 85.4 | 82.9 |
| 01:48 PM - 02:48 PM | 83.3 | 84.9 | 82.9 |
| 02:48 PM - 03:48 PM | 83.6 | 85.5 | 82.9 |
| 03:48 PM - 04:48 PM | 83.7 | 85.0 | 83.2 |

Leq Average 8 hrs. (dB(A))

83.5

Lmax (dB(A))

88.6

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

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

P/O : 4516912284

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2542281

Date Received : May 28, 2025

Date Reported : Jun 04, 2025

Report Number: 3323457-1

Page 1 of 1

Sample Number 2542281-2
Parameter Noise (Leq 8 hrs.)
Location Transfer Blower
Measurement Date May 28, 2025
Measurement by Apichart Wilars

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 08:51 AM - 09:51 AM | 76.7 | 80.3 | 76.0 |
| 09:51 AM - 10:51 AM | 81.3 | 84.3 | 77.2 |
| 10:51 AM - 11:51 AM | 81.7 | 82.9 | 81.4 |
| 11:51 AM - 12:51 PM | 81.9 | 84.2 | 78.3 |
| 12:51 PM - 01:51 PM | 83.5 | 84.7 | 83.3 |
| 01:51 PM - 02:51 PM | 79.8 | 84.8 | 76.7 |
| 02:51 PM - 03:51 PM | 77.7 | 80.5 | 76.9 |
| 03:51 PM - 04:51 PM | 80.8 | 84.7 | 77.6 |

Leq Average 8 hrs. (dB(A))

80.9

Lmax (dB(A))

84.8

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

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

P/O : 4516912284

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2542281

Date Received : May 28, 2025

Date Reported : Jun 04, 2025

Report Number: 3323458-1

Page 1 of 1

Sample Number 2542281-3
Parameter Noise (Leq 8 hrs.)
Location Emergency Generator
Measurement Date May 28, 2025
Measurement by Apichart Wilars

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 09:03 AM - 10:03 AM | 75.9 | 80.7 | 74.4 |
| 10:03 AM - 11:03 AM | 81.1 | 83.8 | 79.2 |
| 11:03 AM - 12:03 PM | 82.4 | 84.4 | 81.7 |
| 12:03 PM - 01:03 PM | 82.8 | 85.8 | 81.8 |
| 01:03 PM - 02:03 PM | 83.2 | 86.1 | 81.9 |
| 02:03 PM - 03:03 PM | 82.6 | 86.0 | 80.8 |
| 03:03 PM - 04:03 PM | 82.9 | 85.8 | 81.0 |
| 04:03 PM - 05:03 PM | 84.1 | 87.1 | 82.6 |

Leq Average 8 hrs. (dB(A))

82.4

Lmax (dB(A))

87.1

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.

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

P/O : 4516912284

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PS (SPCL)

Lot ID: 2542281

Date Received : May 28, 2025

Date Reported : Jun 04, 2025

Report Number: 3323459-1

Page 1 of 1

Sample Number 2542281-4
Parameter Noise (Leq 8 hrs.)
Location Pelletizer
Measurement Date May 28, 2025
Measurement by Apichart Wilars

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 08:57 AM - 09:57 AM | 88.7 | 93.1 | 88.3 |
| 09:57 AM - 10:57 AM | 88.3 | 91.5 | 87.8 |
| 10:57 AM - 11:57 AM | 88.1 | 89.1 | 87.7 |
| 11:57 AM - 12:57 PM | 88.1 | 88.8 | 87.8 |
| 12:57 PM - 01:57 PM | 88.2 | 89.0 | 87.9 |
| 01:57 PM - 02:57 PM | 87.9 | 90.3 | 87.6 |
| 02:57 PM - 03:57 PM | 87.9 | 90.9 | 87.7 |
| 03:57 PM - 04:57 PM | 88.0 | 88.7 | 87.7 |

Leq Average 8 hrs. (dB(A))

88.2

Lmax (dB(A))

93.1

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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