

ภาคผนวก ค

ใบรับรองผลการตรวจวิเคราะห์

คุณภาพอากาศในบรรยากาศ



Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location : TPE Site 3

Lot ID: 2630599

Date Received : May 15, 2026

Date Reported : May 21, 2026

Report Number: 3546747-1

Page 1 of 1

Sample Description Air Quality
Location พื้นที่โรงงาน (GPS 47P 0733471, 1406621)
Parameter Nitrogen dioxide (ppb)
Measurement Date May 07, 2026 - May 14, 2026
Measurement by Sawai Tonpho

	2630599-1	2630599-2	2630599-3	2630599-4	2630599-5	2630599-6	2630599-7
Time	May 07, 2026	May 08, 2026	May 09, 2026	May 10, 2026	May 11, 2026	May 12, 2026	May 13, 2026
12:00 PM - 01:00 PM	6.8	14.9	5.3	28.5	4.5	22.1	9.9
01:00 PM - 02:00 PM	18.2	8.9	10.1	24.8	1.5	17.6	1.4
02:00 PM - 03:00 PM	25.9	3.3	8.7	10.8	1.3	37.5	2.3
03:00 PM - 04:00 PM	16.1	8.1	6.4	3.4	2.1	10.4	1.3
04:00 PM - 05:00 PM	14.7	11.9	21.1	3.1	15.7	21.8	4.6
05:00 PM - 06:00 PM	6.5	20.0	10.4	3.3	18.8	10.0	1.7
06:00 PM - 07:00 PM	15.6	24.0	15.3	5.9	9.9	3.1	1.6
07:00 PM - 08:00 PM	23.3	25.7	15.7	9.1	3.9	4.3	5.4
08:00 PM - 09:00 PM	28.2	19.8	17.6	21.1	10.2	13.4	8.9
09:00 PM - 10:00 PM	20.7	18.9	5.6	21.5	12.2	10.9	4.3
10:00 PM - 11:00 PM	16.1	18.3	2.5	8.7	12.0	11.3	10.0
11:00 PM - 12:00 AM	4.8	17.8	10.1	7.5	1.1	14.6	7.2
12:00 AM - 01:00 AM	8.9	18.2	15.6	0.9	8.2	7.3	8.1
01:00 AM - 02:00 AM	8.6	19.3	13.9	5.6	9.2	7.6	9.9
02:00 AM - 03:00 AM	14.0	19.6	33.4	6.9	6.1	8.5	4.0
03:00 AM - 04:00 AM	14.6	17.9	19.1	3.3	3.7	10.6	3.3
04:00 AM - 05:00 AM	9.1	15.7	11.4	5.5	3.9	14.1	2.7
05:00 AM - 06:00 AM	7.3	12.4	8.7	9.9	7.3	14.6	3.2
06:00 AM - 07:00 AM	12.6	13.0	11.2	13.9	10.4	13.6	7.7
07:00 AM - 08:00 AM	16.4	15.2	15.1	16.2	26.2	14.5	15.7
08:00 AM - 09:00 AM	16.5	16.4	8.9	13.1	8.1	11.5	16.4
09:00 AM - 10:00 AM	17.6	12.8	3.2	8.2	12.2	3.8	16.9
10:00 AM - 11:00 AM	10.8	10.3	14.2	6.8	17.3	1.8	9.8
11:00 AM - 12:00 PM	14.0	5.1	27.6	4.1	17.7	3.6	14.8
Average	14.5	15.3	13.0	10.1	9.3	12.0	7.1
1hr - Maximum	28.2	25.7	33.4	28.5	26.2	37.5	16.9
Standard 1hr - Average	120	120	120	120	120	120	120

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

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

Approved by

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Orawan Rakyong
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Analysis / Test Report

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271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location : TPE Site 3

Lot ID: 2630599

Date Received : May 15, 2026

Date Reported : May 21, 2026

Report Number: 3576264-1

Page 1 of 1

Sample Description Air Quality
Location วัดหนองแฟบห้วยศิลาาราม (GPS 47P 0729823, 1403307)
Parameter Nitrogen dioxide (ppb)
Measurement Date May 07, 2026 - May 14, 2026
Measurement by Sawai Tonpho

	2630599-8	2630599-9	2630599-10	2630599-11	2630599-12	2630599-13	2630599-14
Time	May 07, 2026	May 08, 2026	May 09, 2026	May 10, 2026	May 11, 2026	May 12, 2026	May 13, 2026
10:00 AM - 11:00 AM	12.4	8.2	26.9	13.9	25.1	13.5	8.5
11:00 AM - 12:00 PM	8.2	11.7	13.4	12.9	11.6	10.0	8.4
12:00 PM - 01:00 PM	8.3	7.4	19.1	8.4	10.0	8.4	5.9
01:00 PM - 02:00 PM	9.3	11.3	23.9	8.3	11.9	6.9	6.4
02:00 PM - 03:00 PM	5.6	21.3	28.3	12.9	15.7	6.0	5.1
03:00 PM - 04:00 PM	7.9	13.6	23.8	8.6	7.5	9.8	4.4
04:00 PM - 05:00 PM	14.5	9.6	20.6	9.8	8.6	6.8	3.8
05:00 PM - 06:00 PM	8.5	12.3	11.1	22.8	9.0	4.9	4.0
06:00 PM - 07:00 PM	4.4	20.7	12.3	7.7	7.6	6.0	3.3
07:00 PM - 08:00 PM	1.4	14.2	6.0	8.4	6.8	6.9	2.7
08:00 PM - 09:00 PM	0.2	10.6	4.5	8.1	7.5	5.8	3.1
09:00 PM - 10:00 PM	0.1	6.0	3.8	7.8	6.7	4.2	2.7
10:00 PM - 11:00 PM	1.0	9.5	7.5	7.7	6.3	3.8	2.2
11:00 PM - 12:00 AM	3.0	7.9	7.4	28.5	5.3	4.5	3.8
12:00 AM - 01:00 AM	3.8	8.4	8.1	12.8	4.8	4.2	5.5
01:00 AM - 02:00 AM	8.2	9.2	6.8	9.2	7.0	3.9	6.0
02:00 AM - 03:00 AM	6.8	10.0	4.2	12.5	7.7	3.1	7.5
03:00 AM - 04:00 AM	13.2	8.8	5.4	13.2	7.0	3.5	6.0
04:00 AM - 05:00 AM	12.4	11.7	6.1	13.9	5.5	5.1	5.7
05:00 AM - 06:00 AM	8.3	10.5	5.9	19.1	6.5	13.4	6.3
06:00 AM - 07:00 AM	15.7	11.4	10.8	17.8	10.6	13.1	9.1
07:00 AM - 08:00 AM	9.7	11.2	8.7	24.9	9.6	7.2	8.4
08:00 AM - 09:00 AM	7.5	10.5	10.0	24.7	7.6	12.2	13.8
09:00 AM - 10:00 AM	18.3	15.3	10.6	17.6	7.8	11.4	3.3
Average	7.8	11.3	11.9	13.8	8.9	7.3	5.7
1hr - Maximum	18.3	21.3	28.3	28.5	25.1	13.5	13.8
Standard 1hr - Average	120	120	120	120	120	120	120

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

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

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Analysis / Test Report

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271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location : TPE Site 3

Lot ID: 2630601

Date Received : May 15, 2026

Date Reported : May 21, 2026

Report Number: 3546759-1

Page 1 of 1

Sample Description Air Quality
Location โรงเรียนบ้านมาบตาพุด (โศภณราษฎร์นุรักษ์) (GPS 47P 0735344, 1406682)
Parameter Nitrogen dioxide (ppb)
Measurement Date May 07, 2026 - May 14, 2026
Measurement by Sawai Tonpho

	2630601-1	2630601-2	2630601-3	2630601-4	2630601-5	2630601-6	2630601-7
Time	May 07, 2026	May 08, 2026	May 09, 2026	May 10, 2026	May 11, 2026	May 12, 2026	May 13, 2026
09:00 AM - 10:00 AM	9.8	12.1	3.8	9.5	10.1	13.7	5.5
10:00 AM - 11:00 AM	12.0	4.2	5.9	7.0	5.6	17.1	5.4
11:00 AM - 12:00 PM	9.0	5.2	5.6	7.6	5.4	22.6	5.4
12:00 PM - 01:00 PM	10.1	8.4	10.3	16.8	7.3	13.2	6.7
01:00 PM - 02:00 PM	10.1	13.6	7.7	21.1	5.1	15.2	5.0
02:00 PM - 03:00 PM	5.6	12.0	9.3	11.9	4.8	19.9	4.1
03:00 PM - 04:00 PM	5.4	15.7	7.9	8.9	11.6	20.7	4.5
04:00 PM - 05:00 PM	10.5	12.9	15.2	14.2	28.8	22.3	5.5
05:00 PM - 06:00 PM	5.2	9.0	18.8	7.9	25.9	30.9	8.7
06:00 PM - 07:00 PM	5.1	9.3	16.9	8.9	20.0	21.2	9.2
07:00 PM - 08:00 PM	5.1	11.2	12.2	15.7	16.8	8.7	10.1
08:00 PM - 09:00 PM	4.8	4.6	12.1	17.9	12.5	12.4	7.4
09:00 PM - 10:00 PM	4.0	8.6	11.5	18.8	9.1	12.4	6.5
10:00 PM - 11:00 PM	1.9	8.9	13.6	12.5	7.5	14.1	5.1
11:00 PM - 12:00 AM	1.8	10.3	9.8	5.3	9.3	11.0	4.3
12:00 AM - 01:00 AM	11.6	13.7	12.0	6.6	9.3	8.9	2.2
01:00 AM - 02:00 AM	12.8	6.4	9.0	6.1	9.6	9.2	2.1
02:00 AM - 03:00 AM	14.8	4.7	10.1	6.1	11.5	10.6	1.3
03:00 AM - 04:00 AM	13.4	3.8	13.4	6.1	4.9	14.0	1.0
04:00 AM - 05:00 AM	8.8	8.9	14.5	8.4	17.8	13.9	3.1
05:00 AM - 06:00 AM	7.2	9.8	12.7	11.6	11.9	12.3	7.7
06:00 AM - 07:00 AM	9.0	7.1	19.4	13.9	13.1	16.0	14.9
07:00 AM - 08:00 AM	8.4	6.2	13.2	16.0	15.1	13.2	15.9
08:00 AM - 09:00 AM	12.1	4.7	7.7	11.7	13.7	10.8	11.9
Average	8.3	8.8	11.4	11.3	11.9	15.2	6.4
1hr - Maximum	14.8	15.7	19.4	21.1	28.8	30.9	15.9
Standard 1hr - Average	120	120	120	120	120	120	120

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

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

Approved by

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2630602

Date Received : May 15, 2026
Date Reported : May 23, 2026
Report Number : 3546764-1

Page 1 of 14

Sample Number : 2630602-1
Sampled Date : May 07, 2026
Sample Description : Air Quality
Location : พื้นที่โรงงาน (GPS 47P 0733471, 1406621)
Date Analysis Commenced : May 16, 2026
Condition of Sample : Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Non-Methane Hydrocarbon	07/05/26 - 08/05/26	ppm	-	1.0	<1.0	Total Hydrocarbon Analyzer	Rayong

Sampled By : Sawai Tonpho

Remark :

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

Approved by



Thanita Kulsuriwong
Scientist (4)

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2630602

Date Received : May 15, 2026
Date Reported : May 23, 2026
Report Number : 3546764-1

Page 2 of 14

Sample Number : 2630602-2
Sampled Date : May 08, 2026
Sample Description : Air Quality
Location : พื้นที่โรงงาน (GPS 47P 0733471, 1406621)
Date Analysis Commenced : May 16, 2026
Condition of Sample : Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Non-Methane Hydrocarbon	08/05/26 - 09/05/26	ppm	-	1.0	<1.0	Total Hydrocarbon Analyzer	Rayong

Sampled By : Sawai Tonpho

Remark :

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

Approved by



Thanita Kulsuriwong
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271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2630602

Date Received : May 15, 2026
Date Reported : May 23, 2026
Report Number : 3546764-1

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Sample Number : 2630602-3
Sampled Date : May 09, 2026
Sample Description : Air Quality
Location : พื้นที่โรงงาน (GPS 47P 0733471, 1406621)
Date Analysis Commenced : May 16, 2026
Condition of Sample : Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Non-Methane Hydrocarbon	09/05/26 - 10/05/26	ppm	-	1.0	<1.0	Total Hydrocarbon Analyzer	Rayong

Sampled By : Sawai Tonpho

Remark :

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

Approved by



Thanita Kulsuriwong
Scientist (4)

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2630602

Date Received : May 15, 2026
Date Reported : May 23, 2026
Report Number : 3546764-1

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Sample Number : 2630602-4
Sampled Date : May 10, 2026
Sample Description : Air Quality
Location : พื้นที่โรงงาน (GPS 47P 0733471, 1406621)
Date Analysis Commenced : May 16, 2026
Condition of Sample : Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Non-Methane Hydrocarbon	10/05/26 - 11/05/26	ppm	-	1.0	1.1	Total Hydrocarbon Analyzer	Rayong

Sampled By : Sawai Tonpho

Remark :

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

Approved by



Thanita Kulsuriwong
Scientist (4)

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2630602

Date Received : May 15, 2026
Date Reported : May 23, 2026
Report Number : 3546764-1

Page 5 of 14

Sample Number : 2630602-5
Sampled Date : May 11, 2026
Sample Description : Air Quality
Location : พื้นที่โรงงาน (GPS 47P 0733471, 1406621)
Date Analysis Commenced : May 16, 2026
Condition of Sample : Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Non-Methane Hydrocarbon	11/05/26 - 12/05/26	ppm	-	1.0	1.1	Total Hydrocarbon Analyzer	Rayong

Sampled By : Sawai Tonpho

Remark :

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

Approved by



Thanita Kulsuriwong
Scientist (4)

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P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2630602

Date Received : May 15, 2026
Date Reported : May 23, 2026
Report Number : 3546764-1

Page 6 of 14

Sample Number : 2630602-6
Sampled Date : May 12, 2026
Sample Description : Air Quality
Location : พื้นที่โรงงาน (GPS 47P 0733471, 1406621)
Date Analysis Commenced : May 16, 2026
Condition of Sample : Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Non-Methane Hydrocarbon	12/05/26 - 13/05/26	ppm	-	1.0	1.5	Total Hydrocarbon Analyzer	Rayong

Sampled By : Sawai Tonpho

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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271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2630602

Date Received : May 15, 2026
Date Reported : May 23, 2026
Report Number : 3546764-1

Page 7 of 14

Sample Number : 2630602-7
Sampled Date : May 13, 2026
Sample Description : Air Quality
Location : พื้นที่โรงงาน (GPS 47P 0733471, 1406621)
Date Analysis Commenced : May 16, 2026
Condition of Sample : Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Non-Methane Hydrocarbon	13/05/26 - 14/05/26	ppm	-	1.0	2.3	Total Hydrocarbon Analyzer	Rayong

Sampled By : Sawai Tonpho

Remark :

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

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P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2630602

Date Received : May 15, 2026
Date Reported : May 23, 2026
Report Number : 3546764-1

Page 8 of 14

Sample Number : 2630602-8
Sampled Date : May 07, 2026
Sample Description : Air Quality
Location : วัดหนองแฟบทักษิณาราม (GPS 47P 0729823, 1403307)
Date Analysis Commenced : May 16, 2026
Condition of Sample : Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Non-Methane Hydrocarbon	07/05/26 - 08/05/26	ppm	-	1.0	<1.0	Total Hydrocarbon Analyzer	Rayong

Sampled By : Sawai Tonpho

Remark :

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

Approved by



Thanita Kulsuriwong
Scientist (4)

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P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2630602

Date Received : May 15, 2026
Date Reported : May 23, 2026
Report Number : 3546764-1

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Sample Number : 2630602-9
Sampled Date : May 08, 2026
Sample Description : Air Quality
Location : วัดหนองแฟบทักษิณาราม (GPS 47P 0729823, 1403307)
Date Analysis Commenced : May 16, 2026
Condition of Sample : Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Non-Methane Hydrocarbon	08/05/26 - 09/05/26	ppm	-	1.0	<1.0	Total Hydrocarbon Analyzer	Rayong

Sampled By : Sawai Tonpho

Remark :

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Thanita Kulsuriwong
Scientist (4)

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P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2630602

Date Received : May 15, 2026

Date Reported : May 23, 2026

Report Number : 3546764-1

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Sample Number : 2630602-10
Sampled Date : May 09, 2026
Sample Description : Air Quality
Location : วัดหนองแฟบทักษิณาราม (GPS 47P 0729823, 1403307)
Date Analysis Commenced : May 16, 2026
Condition of Sample : Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Non-Methane Hydrocarbon	09/05/26 - 10/05/26	ppm	-	1.0	<1.0	Total Hydrocarbon Analyzer	Rayong

Sampled By : Sawai Tonpho

Remark :

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Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location : TPE Site 3

Lot ID: 2630602

Date Received : May 15, 2026

Date Reported : May 23, 2026

Report Number : 3546764-1

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Sample Number 2630602-11
Sampled Date May 10, 2026
Sample Description Air Quality
Location วัดหนองแฟบทักษิณาราม (GPS 47P 0729823, 1403307)
Date Analysis Commenced May 16, 2026
Condition of Sample Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Non-Methane Hydrocarbon	10/05/26 - 11/05/26	ppm	-	1.0	1.5	Total Hydrocarbon Analyzer	Rayong

Sampled By : Sawai Tonpho

Remark :

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Scientist (4)

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Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2630602

Date Received : May 15, 2026
Date Reported : May 23, 2026
Report Number : 3546764-1

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Sample Number : 2630602-12
Sampled Date : May 11, 2026
Sample Description : Air Quality
Location : วัดหนองแฟบทักษิณาราม (GPS 47P 0729823, 1403307)
Date Analysis Commenced : May 16, 2026
Condition of Sample : Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Non-Methane Hydrocarbon	11/05/26 - 12/05/26	ppm	-	1.0	1.1	Total Hydrocarbon Analyzer	Rayong

Sampled By : Sawai Tonpho

Remark :

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

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Thanita Kulsuriwong
Scientist (4)

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P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2630602

Date Received : May 15, 2026

Date Reported : May 23, 2026

Report Number : 3546764-1

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Sample Number : 2630602-13
Sampled Date : May 12, 2026
Sample Description : Air Quality
Location : วัดหนองแฟบทักษิณาราม (GPS 47P 0729823, 1403307)
Date Analysis Commenced : May 16, 2026
Condition of Sample : Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Non-Methane Hydrocarbon	12/05/26 - 13/05/26	ppm	-	1.0	3.5	Total Hydrocarbon Analyzer	Rayong

Sampled By : Sawai Tonpho

Remark :

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Thanita Kulsuriwong
Scientist (4)

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P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2630602

Date Received : May 15, 2026
Date Reported : May 23, 2026
Report Number : 3546764-1

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Sample Number : 2630602-14
Sampled Date : May 13, 2026
Sample Description : Air Quality
Location : วัดหนองแฟบทักษิณาราม (GPS 47P 0729823, 1403307)
Date Analysis Commenced : May 16, 2026
Condition of Sample : Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Non-Methane Hydrocarbon	13/05/26 - 14/05/26	ppm	-	1.0	1.8	Total Hydrocarbon Analyzer	Rayong

Sampled By : Sawai Tonpho

Remark :

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P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location : TPE Site 3

Lot ID: 2632493

Date Received : May 15, 2026

Date Reported : May 23, 2026

Report Number : 3552033-1

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Sample Number 2632493-1
Sampled Date May 07, 2026
Sample Description Air Quality
Location โรงเรียนบ้านนาตาพุด (โศภนราษฎร์บุรณะ) (GPS 47P 0735344, 1406682)
Date Analysis Commenced May 16, 2026
Condition of Sample Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Non-Methane Hydrocarbon	07/05/26 - 08/05/26	ppm	-	1.0	<1.0	Total Hydrocarbon Analyzer	Rayong

Sampled By : Sawai Tonpho

Remark :

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Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2632493

Date Received : May 15, 2026
Date Reported : May 23, 2026
Report Number : 3552033-1

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Sample Number : 2632493-2
Sampled Date : May 08, 2026
Sample Description : Air Quality
Location : โรงเรียนบ้านนาบตาพุด (โศภณราษฎร์บูรณะ) (GPS 47P 0735344, 1406682)
Date Analysis Commenced : May 16, 2026
Condition of Sample : Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Non-Methane Hydrocarbon	08/05/26 - 09/05/26	ppm	-	1.0	<1.0	Total Hydrocarbon Analyzer	Rayong

Sampled By : Sawai Tonpho

Remark :

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Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2632493

Date Received : May 15, 2026
Date Reported : May 23, 2026
Report Number : 3552033-1

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Sample Number : 2632493-3
Sampled Date : May 09, 2026
Sample Description : Air Quality
Location : โรงเรียนบ้านนาตาพุด (โศภณราษฎร์บูรณะ) (GPS 47P 0735344, 1406682)
Date Analysis Commenced : May 16, 2026
Condition of Sample : Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Non-Methane Hydrocarbon	09/05/26 - 10/05/26	ppm	-	1.0	<1.0	Total Hydrocarbon Analyzer	Rayong

Sampled By : Sawai Tonpho

Remark :

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P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2632493

Date Received : May 15, 2026
Date Reported : May 23, 2026
Report Number : 3552033-1

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Sample Number : 2632493-4
Sampled Date : May 10, 2026
Sample Description : Air Quality
Location : โรงเรียนบ้านนาบตาพุด (โศภนราษฎร์บุรณะ) (GPS 47P 0735344, 1406682)
Date Analysis Commenced : May 16, 2026
Condition of Sample : Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Non-Methane Hydrocarbon	10/05/26 - 11/05/26	ppm	-	1.0	<1.0	Total Hydrocarbon Analyzer	Rayong

Sampled By : Sawai Tonpho

Remark :

- LOD : Limit of Detection
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Approved by

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Thanita Kulsuriwong
Scientist (4)

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P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2632493

Date Received : May 15, 2026
Date Reported : May 23, 2026
Report Number : 3552033-1

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Sample Number : 2632493-5
Sampled Date : May 11, 2026
Sample Description : Air Quality
Location : โรงเรียนบ้านนาบตาพุด (โศภนราษฎร์บุรณะ) (GPS 47P 0735344, 1406682)
Date Analysis Commenced : May 16, 2026
Condition of Sample : Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Non-Methane Hydrocarbon	11/05/26 - 12/05/26	ppm	-	1.0	<1.0	Total Hydrocarbon Analyzer	Rayong

Sampled By : Sawai Tonpho

Remark :

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P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2632493

Date Received : May 15, 2026
Date Reported : May 23, 2026
Report Number : 3552033-1

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Sample Number : 2632493-6
Sampled Date : May 12, 2026
Sample Description : Air Quality
Location : โรงเรียนบ้านนาตาพุด (โศภนราษฎร์บุรณะ) (GPS 47P 0735344, 1406682)
Date Analysis Commenced : May 16, 2026
Condition of Sample : Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Non-Methane Hydrocarbon	12/05/26 - 13/05/26	ppm	-	1.0	<1.0	Total Hydrocarbon Analyzer	Rayong

Sampled By : Sawai Tonpho

Remark :

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P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2632493

Date Received : May 15, 2026
Date Reported : May 23, 2026
Report Number : 3552033-1

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Sample Number : 2632493-7
Sampled Date : May 13, 2026
Sample Description : Air Quality
Location : โรงเรียนบ้านนาบตาพุด (โศภนราษฎร์บุรณะ) (GPS 47P 0735344, 1406682)
Date Analysis Commenced : May 16, 2026
Condition of Sample : Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Non-Methane Hydrocarbon	13/05/26 - 14/05/26	ppm	-	1.0	1.1	Total Hydrocarbon Analyzer	Rayong

Sampled By : Sawai Tonpho

Remark :

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P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location : TPE Site 3

Lot ID: 2632495

Date Received : May 15, 2026

Date Reported : May 23, 2026

Report Number : 3552032-1

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Sample Number : 2632495-1 to 7
Parameter : Wind Speed / Wind Direction
Location : พื้นที่โรงงาน (GPS 47P 0733471, 1406621)
Sampling Date : May 07 - May 14, 2026
Sampling by : Sawai Tonpho

Time	May 07 - May 08, 2026			May 08 - May 09, 2026			May 09 - May 10, 2026			May 10 - May 11, 2026			May 11 - May 12, 2026			May 12 - May 13, 2026			May 13 - May 14, 2026		
	WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)	
12:00 PM - 01:00 PM	2.9	200.0	SSW	0.0	-	-	4.2	258.0	WSW	1.9	241.0	WSW	2.5	46.0	NE	0.3	213.0	SSW	3.1	53.0	NE
01:00 PM - 02:00 PM	3.5	211.0	SSW	0.2	-	-	3.3	175.0	S	1.1	257.0	WSW	2.4	59.0	ENE	0.3	162.0	SSE	3.6	1.0	N
02:00 PM - 03:00 PM	1.5	21.0	NNE	0.1	-	-	3.0	206.0	SSW	1.4	223.0	SW	3.9	187.0	S	0.0	-	-	3.6	153.0	SSE
03:00 PM - 04:00 PM	0.0	-	-	0.3	45.0	NE	2.3	176.0	S	3.5	182.0	S	0.0	-	-	0.0	-	-	3.7	67.0	ENE
04:00 PM - 05:00 PM	0.0	-	-	0.0	-	-	1.6	232.0	SW	1.8	58.0	ENE	3.8	183.0	S	0.0	-	-	3.9	69.0	ENE
05:00 PM - 06:00 PM	2.2	258.0	WSW	0.0	-	-	3.5	185.0	S	0.0	-	-	3.4	253.0	WSW	2.3	270.0	W	3.3	233.0	SW
06:00 PM - 07:00 PM	2.4	201.0	SSW	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	2.5	31.0	NNE	2.7	189.0	S
07:00 PM - 08:00 PM	0.7	275.0	W	1.3	22.0	NNE	0.0	-	-	0.6	34.0	NE	1.4	200.0	SSW	1.3	352.0	N	3.8	185.0	S
08:00 PM - 09:00 PM	0.0	-	-	1.1	339.0	NNW	0.4	45.0	NE	0.0	-	-	0.0	-	-	1.0	16.0	NNE	3.0	205.0	SSW
09:00 PM - 10:00 PM	5.2	213.0	SSW	0.5	21.0	NNE	0.5	53.0	NE	0.0	-	-	0.0	-	-	1.3	331.0	NNW	3.0	277.0	W
10:00 PM - 11:00 PM	0.0	-	-	0.3	14.0	NNE	0.0	-	-	3.1	50.0	NE	0.0	-	-	0.9	11.0	N	1.6	227.0	SW
11:00 PM - 12:00 AM	0.0	-	-	0.0	-	-	0.5	261.0	W	3.1	23.0	NNE	0.0	-	-	0.0	-	-	0.0	-	-
12:00 AM - 01:00 AM	0.3	77.0	ENE	0.0	-	-	0.9	255.0	WSW	0.0	-	-	0.6	42.0	NE	0.0	-	-	0.0	-	-
01:00 AM - 02:00 AM	0.4	26.0	NNE	0.0	-	-	0.1	-	-	0.8	49.0	NE	0.0	-	-	0.0	-	-	0.2	-	-
02:00 AM - 03:00 AM	0.0	-	-	0.4	25.0	NNE	0.3	30.0	NNE	1.6	8.0	N	4.4	196.0	SSW	0.0	-	-	0.3	160.0	SSE
03:00 AM - 04:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	1.4	19.0	NNE	3.3	224.0	SW	0.0	-	-	0.4	312.0	NW
04:00 AM - 05:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	1.0	19.0	NNE	0.0	-	-	0.3	18.0	NNE	0.0	-	-
05:00 AM - 06:00 AM	0.0	-	-	0.9	33.0	NNE	0.0	-	-	0.3	28.0	NNE	3.4	224.0	SW	0.7	15.0	NNE	0.6	58.0	ENE
06:00 AM - 07:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.2	-	-	0.8	42.0	NE
07:00 AM - 08:00 AM	0.5	18.0	NNE	4.2	0.0	N	0.0	-	-	0.0	-	-	0.0	-	-	0.2	-	-	0.7	56.0	NE
08:00 AM - 09:00 AM	1.0	54.0	NE	3.5	67.0	ENE	0.0	-	-	0.0	-	-	0.5	44.0	NE	0.0	-	-	0.3	31.0	NNE
09:00 AM - 10:00 AM	1.2	39.0	NE	1.6	74.0	ENE	0.0	-	-	0.0	-	-	0.0	-	-	0.6	207.0	SSW	0.3	56.0	NE
10:00 AM - 11:00 AM	0.6	51.0	NE	3.4	47.0	NE	0.0	-	-	1.1	68.0	ENE	0.6	50.0	NE	0.0	-	-	0.0	-	-
11:00 AM - 12:00 PM	0.0	-	-	0.0	-	-	1.3	215.0	SW	0.0	-	-	0.0	-	-	3.3	273.0	W	0.0	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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

Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location : TPE Site 3

Lot ID: 2632495

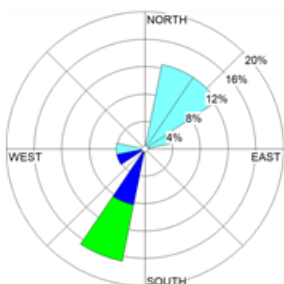
Date Received : May 15, 2026

Date Reported : May 23, 2026

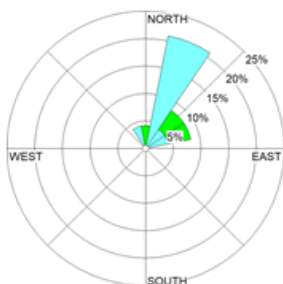
Report Number : 3552032-1

Page 2 of 2

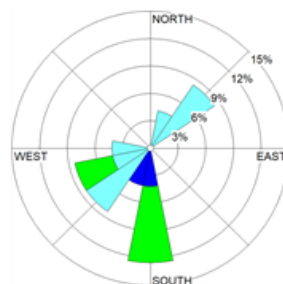
Wind Rose



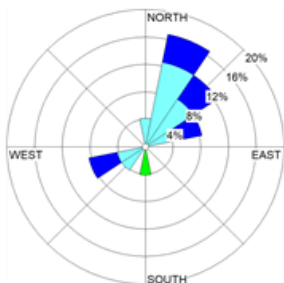
Date : May 07-08, 2026



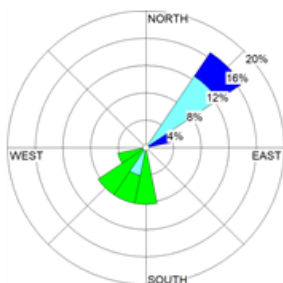
Date : May 08-09, 2026



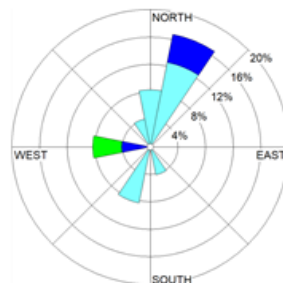
Date : May 09-10, 2026



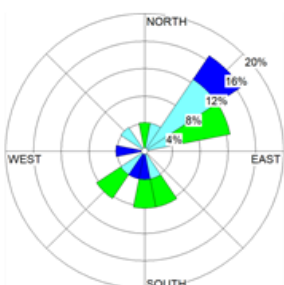
Date : May 10-11, 2026



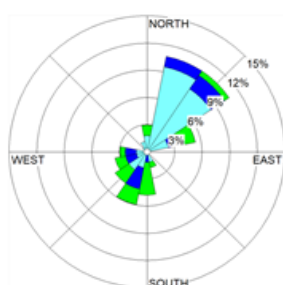
Date : May 11-12, 2026



Date : May 12-13, 2026



Date : May 13-14, 2026



Date : May 07-14, 2026

WS (m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	13.10
1.7-3.3	10.12
0.3-1.7	31.55
Calms	45.24

Location : พื้นที่โรงงาน (GPS 47P 0733471, 1406621)

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Approved by

Sarayuth Jittrantont
Assistant General Manager

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คุณภาพน้ำทิ้ง



Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location : HDPE3

TESTING
No.0042
Lot ID: 25113937
Date Received : Jan 15, 2026
Date Reported : Feb 02, 2026
Report Number : 3499507-1

Page 1 of 2

Sample Number	25113937-1						
Sampled Date	Jan 15, 2026 2:16 PM						
Sample Description	Wastewater						
Location	HD3 : บ่อพักน้ำทิ้งหลังผ่านการบำบัดแล้ว						
Date Analysis Commenced	Jan 15, 2026						
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	5	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	<5	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.1	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	11	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

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

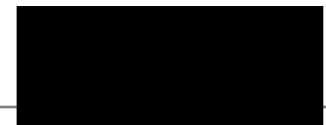
Note : This Analysis test Report is reissued to supersede Report No. 3476423-1, Date Reported : Jan 22, 2026 due to split report of Total Dissolved Solids dried at 180 C.

Technical Management



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

Approved by



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

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location: HDPE3

TESTING

No.0042

Lot ID: 25113937

Date Received : Jan 15, 2026

Date Reported : Feb 02, 2026

Report Number : 3499507-1

Page 2 of 2

Sampling By : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-0041

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

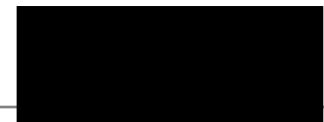
Technical Management



Jitsupa Pratuangsuk
Scientist (2)

ทะเบียนเลขที่ ว-323-จ-0004

Approved by



Dej Changanon
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location: HDPE3

Lot ID: 25113937

Date Received : Jan 15, 2026

Date Reported : Feb 02, 2026

Report Number : 3499507-2

Page 1 of 1

Sample Number	25113937-1						
Sampled Date	Jan 15, 2026 2:16 PM						
Sample Description	Wastewater						
Location	HD3 : บ่อพักน้ำทิ้งหลังผ่านการบำบัดแล้ว						
Date Analysis Commenced	Jan 15, 2026						
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	7.6	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
Flow rate	m3/s	-	-	0.0044	No Standard	Flow meter	Rayong

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

Note : This Analysis test Report is reissued to supersede Report No. 3476423-1, Date Reported : Jan 22, 2026 due to split report of Total Dissolved Solids dried at 180 C.

Sampling By : Chainusorn Lertnanthakunchai

Remark :

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

Approved by



Jitsupa Pratuangsuk
Scientist (2)

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location :

Lot ID: 267589

Date Received : Jan 26, 2026

Date Reported : Jan 30, 2026

Report Number : 3494385-1

Page 1 of 1

Sample Number	267589-1
Sampled Date	Jan 26, 2026 9:25 AM
Sample Description	Wastewater
Location	HD3 : บ่อพักน้ำทิ้งหลังผ่านการบำบัดแล้ว
Date Analysis Commenced	Jan 27, 2026
Condition of Sample	Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	2010	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

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

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

Remark :

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

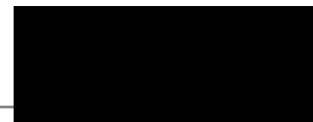
Technical Management



Photchana Seeda
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by



Dej Chanchon
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING

No.0042

Lot ID: 25113967

Date Received : Feb 05, 2026

Date Reported : Feb 12, 2026

Report Number : 3476424-1

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location: HDPE3

Page 1 of 2

Sample Number	25113967-1
Sampled Date	Feb 05, 2026 9:40 AM
Sample Description	Wastewater
Location	HD3 : บ่อพักน้ำทิ้งหลังผ่านการบำบัดแล้ว
Date Analysis Commenced	Feb 05, 2026
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	<5	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	<5	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	8.1	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	-	-	38.8	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	2020	≤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	18	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

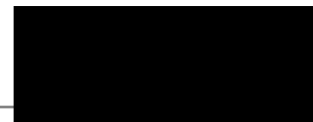
Technical Management



Photchana Seeda
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by



Dej Chanchon
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location: HDPE3

TESTING

No.0042

Lot ID: 25113967

Date Received : Feb 05, 2026

Date Reported : Feb 12, 2026

Report Number : 3476424-1

Page 2 of 2

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

Sampling By : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-0041

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

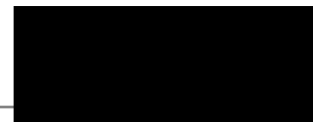
Technical Management



Photchana Seeda
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by



Dej Changanon
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location : HDPE3

Lot ID: 25113967

Date Received : Feb 05, 2026

Date Reported : Feb 12, 2026

Report Number : 3476424-2

Page 1 of 1

Sample Number	25113967-1						
Sampled Date	Feb 05, 2026 9:40 AM						
Sample Description	Wastewater						
Location	HD3 : บ่อพักน้ำทิ้งหลังผ่านการบำบัดแล้ว						
Date Analysis Commenced	Feb 05, 2026						
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	5.6	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
Flow rate	m3/s	-	-	0.0029	No Standard	Flow meter	Rayong

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

Sampling By : Chainusorn Lertnanthakunchai

Remark :

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

Approved by

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Scientist (4)

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Analysis / Test Report

TESTING

No.0042

Lot ID: 2610430

Date Received : Mar 13, 2026

Date Reported : Apr 04, 2026

Report Number : 3544179-1

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location: HDPE3

Page 1 of 2

Sample Number	2610430-1
Sampled Date	Mar 13, 2026 9:50 AM
Sample Description	Wastewater
Location	HD3 : บ่อพักน้ำทิ้งหลังผ่านการบำบัดแล้ว
Date Analysis Commenced	Mar 13, 2026
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Color (at Original pH)	ADMI	-	5	<5	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	<5	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	38.7	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	2220	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried from 103-105 degree C	mg/L	-	5	16	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

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

Note : This Analysis test report is reissued to supersede report 3499786-1, Date Reported : Mar 20, 2026 due to split report by analysis parameter.

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

Remark :

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

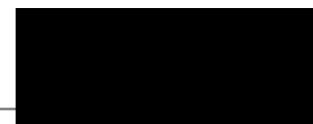
Technical Management



Photchana Seeda
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by



Dej Chanchon
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location: HDPE3

TESTING

No.0042

Lot ID: 2610430

Date Received : Mar 13, 2026

Date Reported : Apr 04, 2026

Report Number : 3544179-1

Page 2 of 2

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

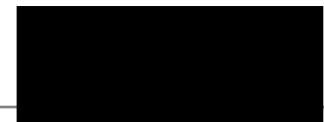
Technical Management



Photchana Seeda
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by



Dej Changanon
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location : HDPE3

Lot ID: 2610430

Date Received : Mar 13, 2026

Date Reported : Apr 04, 2026

Report Number : 3544179-2

Page 1 of 1

Sample Number	2610430-1						
Sampled Date	Mar 13, 2026 9:50 AM						
Sample Description	Wastewater						
Location	HD3 : บ่อพักน้ำทิ้งหลังผ่านการบำบัดแล้ว						
Date Analysis Commenced	Mar 13, 2026						
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	4.4	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
Flow rate	m3/s	-	-	0.002	No Standard	Flow meter, Analyzed by Client	Rayong

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

Note : This Analysis test report is reissued to supersede report 3499786-1, Date Reported : Mar 20, 2026 due to split report by analysis parameter.

Sampling By : Wanlop Hunchainaow

Remark :

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

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Approved by

Phatchana Seeda
Scientist (4)

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Analysis / Test Report

TESTING

No.0042

Lot ID: 2626316

Date Received : Mar 26, 2026

Date Reported : Apr 02, 2026

Report Number : 3536254-1

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location :

Page 1 of 1

Sample Number	2626316-1
Sampled Date	Mar 26, 2026 9:14 AM
Sample Description	Wastewater
Location	HD3 : บ่อพักน้ำทิ้งหลังผ่านการบำบัดแล้ว
Date Analysis Commenced	Mar 27, 2026
Condition of Sample	Contained in 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							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong

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

Sampling By : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-0041

Remark :

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

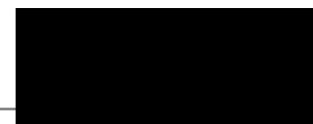
Technical Management



Photchana Seeda
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by



Dej Changanon
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING

No.0042

Lot ID: 2623362

Date Received : Apr 10, 2026

Date Reported : Apr 21, 2026

Report Number : 3528512-1

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location: HDPE3

Page 1 of 2

Sample Number	2623362-1
Sampled Date	Apr 10, 2026 9:50 AM
Sample Description	Wastewater
Location	HD3 : บ่อพักน้ำทิ้งหลังผ่านการบำบัดแล้ว
Date Analysis Commenced	Apr 10, 2026
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	5	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	<5	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	39.2	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Suspended Solids Dried from 103-105 degree C	mg/L	-	5	11	≤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 : Warunyoo Chimphalee ทะเบียนเลขที่ ว-323-จ-0020

Remark :

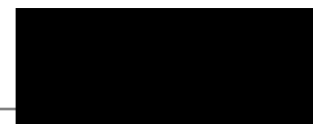
Technical Management



Photchana Seeda
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by



Dej Chanchon
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location: HDPE3

TESTING

No.0042

Lot ID: 2623362

Date Received : Apr 10, 2026

Date Reported : Apr 21, 2026

Report Number : 3528512-1

Page 2 of 2

- 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

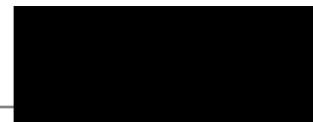
Technical Management



Photchana Seeda
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

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Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location : HDPE3

Lot ID: 2623362

Date Received : Apr 10, 2026

Date Reported : Apr 21, 2026

Report Number : 3528512-2

Page 1 of 1

Sample Number	2623362-1						
Sampled Date	Apr 10, 2026 9:50 AM						
Sample Description	Wastewater						
Location	HD3 : บ่อพักน้ำทิ้งหลังผ่านการบำบัดแล้ว						
Date Analysis Commenced	Apr 10, 2026						
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	6.4	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
Flow rate	m3/s	-	-	0.025	No Standard	Flow meter	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 : Warunyoo Chimphalee

Remark :

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

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Analysis / Test Report

TESTING

No.0042

Lot ID: 2633274

Date Received : Apr 22, 2026

Date Reported : Apr 25, 2026

Report Number : 3554228-1

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location :

Page 1 of 1

Sample Number	2633274-1
Sampled Date	Apr 22, 2026 9:40 AM
Sample Description	Wastewater
Location	HD3 : บ่อพักน้ำทิ้งหลังผ่านการบำบัดแล้ว
Date Analysis Commenced	Apr 23, 2026
Condition of Sample	Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	2480	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

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

Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005

Remark :

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

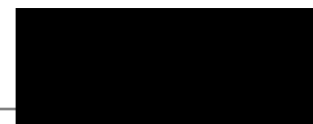
Technical Management



Photchana Seeda
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by



Dej Chanchon
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING

No.0042

Lot ID: 2632516

Date Received : May 06, 2026

Date Reported : May 28, 2026

Report Number : 3583703-1

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location: HDPE3

Page 1 of 2

Sample Number	2632516-1
Sampled Date	May 06, 2026 9:27 AM
Sample Description	Wastewater
Location	HD3 : บ่อพักน้ำทิ้งหลังผ่านการบำบัดแล้ว
Date Analysis Commenced	May 06, 2026
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	<5	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	<5	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	39.3	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Suspended Solids Dried from 103-105 degree C	mg/L	-	5	15	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

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

Note : This Analysis test Report is reissued to supersede Report No. 3552101-1, Date Reported : May 13, 2026 due to split report TDS.

Technical Management



Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by



Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location: HDPE3

TESTING

No.0042

Lot ID: 2632516

Date Received : May 06, 2026

Date Reported : May 28, 2026

Report Number : 3583703-1

Page 2 of 2

Sampling By : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-0041

Remark :

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

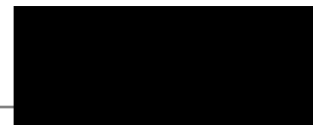
Technical Management



Photchana Seeda
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by



Dej Changanon
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location : HDPE3

Lot ID: 2632516

Date Received : May 06, 2026

Date Reported : May 28, 2026

Report Number : 3583703-2

Page 1 of 1

Sample Number	2632516-1						
Sampled Date	May 06, 2026 9:27 AM						
Sample Description	Wastewater						
Location	HD3 : บ่อพักน้ำทิ้งหลังผ่านการบำบัดแล้ว						
Date Analysis Commenced	May 06, 2026						
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	6.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
Flow rate	m3/s	-	-	0.0022	No Standard	Flow meter	Rayong

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

Note : This Analysis test Report is reissued to supersede Report No. 3552101-1, Date Reported : May 13, 2026 due to split report TDS.

Sampling By : Chainusorn Lertnanthakunchai

Remark :

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

Approved by

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.

Photchana Seeda
Scientist (4)

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location :

TESTING

No.0042

Lot ID: 2642811

Date Received : May 19, 2026

Date Reported : May 22, 2026

Report Number : 3572829-1

Page 1 of 1

Sample Number	2642811-1
Sampled Date	May 19, 2026 9:40 AM
Sample Description	Wastewater
Location	HD3 : บ่อพักน้ำทิ้งหลังผ่านการบำบัดแล้ว
Date Analysis Commenced	May 20, 2026
Condition of Sample	Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1840	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

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

Sampling By : Warunyoo Chimphalee ทะเบียนเลขที่ ว-323-จ-0020

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

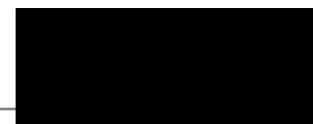
Technical Management



Photchana Seeda
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by



Dej Changanon
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING

No.0042

Lot ID: 2643256

Date Received : Jun 04, 2026

Date Reported : Jun 10, 2026

Report Number : 3574186-1

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location: HDPE3

Page 1 of 2

Sample Number	2643256-1
Sampled Date	Jun 04, 2026 2:20 PM
Sample Description	Wastewater
Location	HD3 : บ่อพักน้ำทิ้งหลังผ่านการบำบัดแล้ว
Date Analysis Commenced	Jun 04, 2026
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	<5	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	<5	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	8.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.4	≤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	2280	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried from 103-105 degree C	mg/L	-	5	15	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

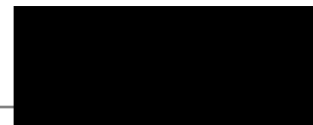
Technical Management



Photchana Seeda
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by



Dej Chanchon
Senior Manager

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location: HDPE3

TESTING

No.0042

Lot ID: 2643256

Date Received : Jun 04, 2026

Date Reported : Jun 10, 2026

Report Number : 3574186-1

Page 2 of 2

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

Sampling By : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-0041

Remark :

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

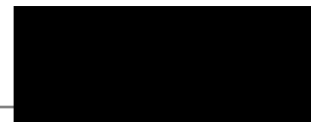
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Photchana Seeda
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271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location: HDPE3

Lot ID: 2643256

Date Received : Jun 04, 2026

Date Reported : Jun 10, 2026

Report Number : 3574186-2

Page 1 of 1

Sample Number	2643256-1						
Sampled Date	Jun 04, 2026 2:20 PM						
Sample Description	Wastewater						
Location	HD3 : บ่อพักน้ำทิ้งหลังผ่านการบำบัดแล้ว						
Date Analysis Commenced	Jun 04, 2026						
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	6.3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
Flow rate	m3/s	-	-	0.0051	No Standard	Flow meter	Rayong

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

Sampling By : Chainusorn Lertnanthakunchai

Remark :

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P/O :

Project Name : Environmental Monitoring

Project Location: HDPE3

TESTING

No.0042

Lot ID: 25113981

Date Received : Jan 15, 2026

Date Reported : Jan 22, 2026

Report Number : 3476426-1

Page 1 of 2

Sample Number	25113981-1
Sampled Date	Jan 15, 2026 9:48 AM
Sample Description	Wastewater
Location	ปลายท่อน้ำทิ้งก่อนระบายออกสู่รางระบายน้ำของนิคมฯ
Date Analysis Commenced	Jan 15, 2026
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	5.5	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	39	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	17	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	15	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	8.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	29.5	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	4240	≤40950(1)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	9	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

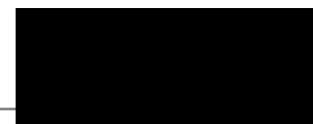
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Photchana Seeda
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by



Dej Chanchon
Senior Manager

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location: HDPE3

TESTING

No.0042

Lot ID: 25113981

Date Received : Jan 15, 2026

Date Reported : Jan 22, 2026

Report Number : 3476426-1

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).

(1) Total Dissolved Solids when discharged to receiving water having TDS > 3,000 mg/L, TDS in the to-be-discharged wastewater can exceed the TDS already found in the receiving water by not higher than 5,000 mg/L.

Note : Total Dissolved Solids of receiving water is 35950 mg/L (Refer to Lot ID 263564-1 : หาดทรายทอง)

Sampling By : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-0041

Remark :

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

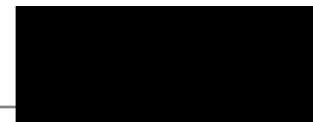
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Photchana Seeda
Scientist (4)

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Approved by



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Senior Manager

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Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location: HDPE3

Lot ID: 25113981

Date Received : Jan 15, 2026

Date Reported : Jan 22, 2026

Report Number : 3476426-2

Page 1 of 1

Sample Number	25113981-1						
Sampled Date	Jan 15, 2026 9:48 AM						
Sample Description	Wastewater						
Location	ปลายท่อน้ำทิ้งก่อนระบายออกสู่รางระบายน้ำของนิคมฯ						
Date Analysis Commenced	Jan 15, 2026						
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	7.6	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	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).

(1) Total Dissolved Solids when discharged to receiving water having TDS > 3,000 mg/L, TDS in the to-be-discharged wastewater can exceed the TDS already found in the receiving water by not higher than 5,000 mg/L.

Note : Total Dissolved Solids of receiving water is 35950 mg/L (Refer to Lot ID 263564-1 : หาดทรายทอง)

Sampling By : Chainusorn Lertnanthakunchai

Remark :

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location : HDPE3

TESTING
No.0042

Lot ID: 25113982

Date Received : Feb 12, 2026

Date Reported : Feb 19, 2026

Report Number : 3476427-1

Page 1 of 2

Sample Number	25113982-1
Sampled Date	Feb 12, 2026 9:15 AM
Sample Description	Wastewater
Location	ปลายท่อน้ำทิ้งก่อนระบายออกสู่รางระบายน้ำของนิคมฯ
Date Analysis Commenced	Feb 12, 2026
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	47	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	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	15	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	8.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.8	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	2980	≤40450(1)	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	20	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

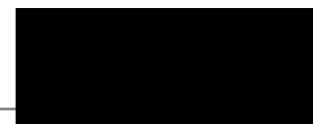
Technical Management



Photchana Seeda
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by



Dej Chanchon
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location: HDPE3

TESTING

No.0042

Lot ID: 25113982

Date Received : Feb 12, 2026

Date Reported : Feb 19, 2026

Report Number : 3476427-1

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).

(1) Total Dissolved Solids when discharged to receiving water having TDS > 3,000 mg/L, TDS in the to-be-discharged wastewater can exceed the TDS already found in the receiving water by not higher than 5,000 mg/L.

Note : Total Dissolved Solids of receiving water is 35450 mg/L (Refer to Lot ID 263568-1 : หาดทรายทอง)

Sampling By : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-0041

Remark :

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

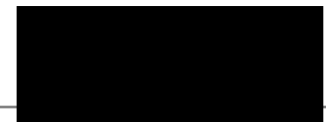
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Photchana Seeda
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location: HDPE3

Lot ID: 25113982

Date Received : Feb 12, 2026

Date Reported : Feb 19, 2026

Report Number : 3476427-2

Page 1 of 1

Sample Number	25113982-1
Sampled Date	Feb 12, 2026 9:15 AM
Sample Description	Wastewater
Location	ปลายท่อน้ำทิ้งก่อนระบายออกสู่รางระบายน้ำของนิคมฯ
Date Analysis Commenced	Feb 12, 2026
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	7.2	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	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).

(1) Total Dissolved Solids when discharged to receiving water having TDS > 3,000 mg/L, TDS in the to-be-discharged wastewater can exceed the TDS already found in the receiving water by not higher than 5,000 mg/L.

Note : Total Dissolved Solids of receiving water is 35450 mg/L (Refer to Lot ID 263568-1 : หาดทรายทอง)

Sampling By : Chainusorn Lertnanthakunchai

Remark :

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

Approved by



Photchana Seeda
Scientist (4)

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Analysis / Test Report

TESTING

No.0042

Lot ID: 2610431

Date Received : Mar 05, 2026

Date Reported : Mar 12, 2026

Report Number : 3499788-1

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location: HDPE3

Page 1 of 2

Sample Number	2610431-1
Sampled Date	Mar 05, 2026 10:00 AM
Sample Description	Wastewater
Location	ปลายท่อน้ำทิ้งก่อนระบายออกสู่รางระบายน้ำของนิคมฯ
Date Analysis Commenced	Mar 05, 2026
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	30	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	29	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	8.6	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	-	-	33.2	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	2260	≤35550(1)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried from 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

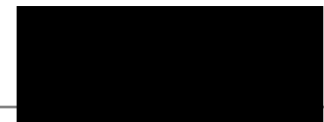
Technical Management



Photchana Seeda
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by



Dej Chanchon
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location: HDPE3

TESTING
No.0042
Lot ID: 2610431
Date Received : Mar 05, 2026
Date Reported : Mar 12, 2026
Report Number : 3499788-1

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).
(1) Total Dissolved Solids when discharged to receiving water having TDS > 3,000 mg/L, TDS in the to-be-discharged wastewater can exceed the TDS already found in the receiving water by not higher than 5,000 mg/L.

Note : Total Dissolved Solids of receiving water is 30550 mg/L (Refer to Lot ID 269644-1 : หาดทรายทอง)

Sampling By : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-0041

Remark :

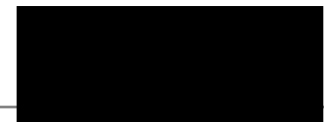
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management



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

Approved by



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

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location: HDPE3

Lot ID: 2610431

Date Received : Mar 05, 2026

Date Reported : Mar 12, 2026

Report Number : 3499788-2

Page 1 of 1

Sample Number	2610431-1
Sampled Date	Mar 05, 2026 10:00 AM
Sample Description	Wastewater
Location	ปลายท่อน้ำทิ้งก่อนระบายออกสู่รางระบายน้ำของนิคมฯ
Date Analysis Commenced	Mar 05, 2026
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	7.5	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	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).

(1) Total Dissolved Solids when discharged to receiving water having TDS > 3,000 mg/L, TDS in the to-be-discharged wastewater can exceed the TDS already found in the receiving water by not higher than 5,000 mg/L.

Note : Total Dissolved Solids of receiving water is 30550 mg/L (Refer to Lot ID 269644-1 : หาดทรายทอง)

Sampling By : Chainusorn Lertnanthakunchai

Remark :

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

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Analysis / Test Report

TESTING

No.0042

Lot ID: 2623524

Date Received : Apr 02, 2026

Date Reported : Apr 09, 2026

Report Number : 3529134-1

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location: HDPE3

Page 1 of 2

Sample Number	2623524-1
Sampled Date	Apr 02, 2026 10:00 AM
Sample Description	Wastewater
Location	ปลายท่อน้ำทิ้งก่อนระบายออกสู่รางระบายน้ำของนิคมฯ
Date Analysis Commenced	Apr 02, 2026
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	20	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	20	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	8.7	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	-	-	32.1	≤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	3900	≤31900(1)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried from 103-105 degree C	mg/L	-	5	9	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

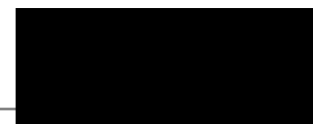
Technical Management



Photchana Seeda
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by



Dej Chanchon
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location: HDPE3

TESTING

No.0042

Lot ID: 2623524

Date Received : Apr 02, 2026

Date Reported : Apr 09, 2026

Report Number : 3529134-1

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).

(1) Total Dissolved Solids when discharged to receiving water having TDS > 3,000 mg/L, TDS in the to-be-discharged wastewater can exceed the TDS already found in the receiving water by not higher than 5,000 mg/L.

Note : Total Dissolved Solids of receiving water is 26900 mg/L (Refer to Lot ID 2620980-1 : หาดทรายทอง)

Sampling By : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-0041

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

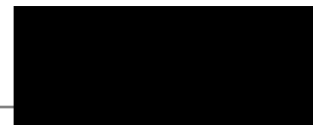
Technical Management



Photchana Seeda
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by



Dej Changanon
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location: HDPE3

Lot ID: 2623524

Date Received : Apr 02, 2026

Date Reported : Apr 09, 2026

Report Number : 3529134-2

Page 1 of 1

Sample Number	2623524-1						
Sampled Date	Apr 02, 2026 10:00 AM						
Sample Description	Wastewater						
Location	ปลายท่อน้ำทิ้งก่อนระบายออกสู่รางระบายน้ำของนิคมฯ						
Date Analysis Commenced	Apr 02, 2026						
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	6.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	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).

(1) Total Dissolved Solids when discharged to receiving water having TDS > 3,000 mg/L, TDS in the to-be-discharged wastewater can exceed the TDS already found in the receiving water by not higher than 5,000 mg/L.

Note : Total Dissolved Solids of receiving water is 26900 mg/L (Refer to Lot ID 2620980-1 : หาดทรายทอง)

Sampling By : Chainusorn Lertnanthakunchai

Remark :

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

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Scientist (4)

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Analysis / Test Report

TESTING

No.0042

Lot ID: 2632518

Date Received : May 07, 2026

Date Reported : May 14, 2026

Report Number : 3552139-1

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location: HDPE3

Page 1 of 2

Sample Number	2632518-1
Sampled Date	May 07, 2026 9:26 AM
Sample Description	Wastewater
Location	ปลายท่อน้ำทิ้งก่อนระบายออกสู่รางระบายน้ำของนิคมฯ
Date Analysis Commenced	May 07, 2026
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	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		-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.5	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1950	≤31600(1)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried from 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

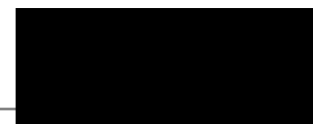
Technical Management



Photchana Seeda
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by



Dej Chanchon
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location: HDPE3

TESTING

No.0042

Lot ID: 2632518

Date Received : May 07, 2026

Date Reported : May 14, 2026

Report Number : 3552139-1

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).

(1) Total Dissolved Solids when discharged to receiving water having TDS > 3,000 mg/L, TDS in the to-be-discharged wastewater can exceed the TDS already found in the receiving water by not higher than 5,000 mg/L.

Note : Total Dissolved Solids of receiving water is 26600 mg/L (Refer to Lot ID 2629193-1 : หาดทรายทอง)

Sampling By : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-0041

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

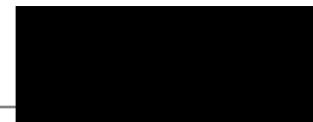
Technical Management



Photchana Seeda
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by



Dej Changanon
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location: HDPE3

Lot ID: 2632518

Date Received : May 07, 2026

Date Reported : May 14, 2026

Report Number : 3552139-2

Page 1 of 1

Sample Number	2632518-1						
Sampled Date	May 07, 2026 9:26 AM						
Sample Description	Wastewater						
Location	ปลายท่อน้ำทิ้งก่อนระบายออกสู่รางระบายน้ำของนิคมฯ						
Date Analysis Commenced	May 07, 2026						
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	7.2	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	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).

(1) Total Dissolved Solids when discharged to receiving water having TDS > 3,000 mg/L, TDS in the to-be-discharged wastewater can exceed the TDS already found in the receiving water by not higher than 5,000 mg/L.

Note : Total Dissolved Solids of receiving water is 26600 mg/L (Refer to Lot ID 2629193-1 : หาดทรายทอง)

Sampling By : Chainusorn Lertnanthakunchai

Remark :

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

Approved by

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Scientist (4)

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Analysis / Test Report

TESTING

No.0042

Lot ID: 2643259

Date Received : Jun 04, 2026

Date Reported : Jun 10, 2026

Report Number : 3574192-1

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location : HDPE3

Page 1 of 2

Sample Number	2643259-1
Sampled Date	Jun 04, 2026 9:55 AM
Sample Description	Wastewater
Location	ปลายท่อน้ำทิ้งก่อนระบายออกสู่รางระบายน้ำของนิคมฯ
Date Analysis Commenced	Jun 04, 2026
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	10	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	9	≤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	-	-	31.9	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1360	≤35650(1)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried from 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

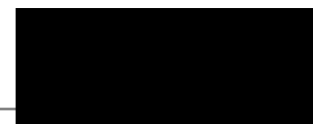
Technical Management



Photchana Seeda
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by



Dej Chanchon
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location: HDPE3

TESTING

No.0042

Lot ID: 2643259

Date Received : Jun 04, 2026

Date Reported : Jun 10, 2026

Report Number : 3574192-1

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).

(1) Total Dissolved Solids when discharged to receiving water having TDS > 3,000 mg/L, TDS in the to-be-discharged wastewater can exceed the TDS already found in the receiving water by not higher than 5,000 mg/L.

Note : Total Dissolved Solids of receiving water is 30650 mg/L (Refer to Lot ID 2642970-1 : หาดทรายทอง)

Sampling By : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-0041

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

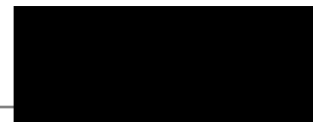
Technical Management



Photchana Seeda
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by



Dej Changanon
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location : HDPE3

Lot ID: 2643259

Date Received : Jun 04, 2026

Date Reported : Jun 10, 2026

Report Number : 3574192-2

Page 1 of 1

Sample Number	2643259-1						
Sampled Date	Jun 04, 2026 9:55 AM						
Sample Description	Wastewater						
Location	ปลายท่อน้ำทิ้งก่อนระบายออกสู่รางระบายน้ำของนิคมฯ						
Date Analysis Commenced	Jun 04, 2026						
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	7.1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	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).

(1) Total Dissolved Solids when discharged to receiving water having TDS > 3,000 mg/L, TDS in the to-be-discharged wastewater can exceed the TDS already found in the receiving water by not higher than 5,000 mg/L.

Note : Total Dissolved Solids of receiving water is 30650 mg/L (Refer to Lot ID 2642970-1 : หาดทรายทอง)

Sampling By : Chainusorn Lertnanthakunchai

Remark :

- LOD : Limit of Detection
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Approved by

Photchana Seeda
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คุณภาพน้ำผิวดิน



Analysis / Test Report

TESTING

No.0042

Lot ID: 2632520

Date Received : May 07, 2026

Date Reported : May 14, 2026

Report Number : 3552142-1

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location : HDPE3

Page 1 of 2

Sample Number	2632520-1
Sampled Date	May 07, 2026 9:20 AM
Sample Description	Wastewater
Location	จุดปล่อยน้ำทิ้งของ HD3 ร่วมกับโรงงานใน Site 3
Date Analysis Commenced	May 07, 2026
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	11	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	9	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.6	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1880	≤31600(1)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried from 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

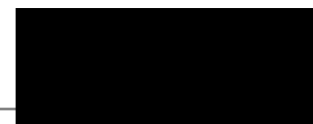
Technical Management



Photchana Seeda
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by



Dej Chanchon
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location: HDPE3

TESTING

No.0042

Lot ID: 2632520

Date Received : May 07, 2026

Date Reported : May 14, 2026

Report Number : 3552142-1

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).

(1) Total Dissolved Solids when discharged to receiving water having TDS > 3,000 mg/L, TDS in the to-be-discharged wastewater can exceed the TDS already found in the receiving water by not higher than 5,000 mg/L.

Note : Total Dissolved Solids of receiving water is 26600 mg/L (Refer to Lot ID 2629193-1 : หาดทรายทอง)

Sampling By : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-0041

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

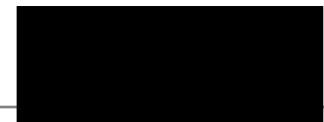
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Photchana Seeda
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by



Dej Changanon
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location : HDPE3

Lot ID: 2632520

Date Received : May 07, 2026

Date Reported : May 14, 2026

Report Number : 3552142-2

Page 1 of 1

Sample Number	2632520-1						
Sampled Date	May 07, 2026 9:20 AM						
Sample Description	Wastewater						
Location	จุดปล่อยน้ำทิ้งของ HD3 ร่วมกับโรงงานใน Site 3						
Date Analysis Commenced	May 07, 2026						
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	3.5	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
Flow rate	m3/s	-	-	0.033	No Standard	Flow meter	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).

(1) Total Dissolved Solids when discharged to receiving water having TDS > 3,000 mg/L, TDS in the to-be-discharged wastewater can exceed the TDS already found in the receiving water by not higher than 5,000 mg/L.

Note : Total Dissolved Solids of receiving water is 26600 mg/L (Refer to Lot ID 2629193-1 : หาดทรายทอง)

Sampling By : Chainusorn Lertnanthakunchai

Remark :

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2623294

Date Received : Apr 22, 2026
Date Reported : Apr 30, 2026
Report Number : 3559603-1

Page 1 of 1

Sample Number	2623294-1
Sampled Date	Apr 22, 2026 10:52 AM
Sample Description	Groundwater
Location	บ่อสังเกตุการณ์ 1 MW1 : HDPE2
Date Analysis Commenced	Apr 22, 2026
Condition of Sample	Contained in two glass vials, two amber glass bottles and one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
pH at 25 degree C		-	-	5.6	6.5-9.2 (I)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

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

(I): ในกรณีที่มีการปนเปื้อนของกรดหรือด่างให้เปรียบเทียบผลวิเคราะห์ค่าพีเอชจากจุดเก็บตัวอย่างบ่อน้ำที่ใช้ในการติดตามตรวจสอบการปนเปื้อนกับผลวิเคราะห์จากจุดเก็บตัวอย่างบ่อน้ำที่เป็นบ่ออ้างอิงบนทิศทางการไหลของน้ำใต้ดินในพื้นที่ โดยค่าพีเอชที่เปลี่ยนแปลงจะต้องไม่เกินหนึ่งระดับ และไม่อยู่นอกช่วงค่าเกณฑ์อนุโลมสูงสุดของมาตรฐานคุณภาพน้ำบาดาลที่บริโภคคือ 6.5-9.2

Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005 , Akkarin Budsaktee ทะเบียนเลขที่ ว-204-จ-0196

Remark :

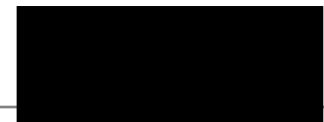
- LOD : Limit of Detection
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Technical Management



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

Approved by



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

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2623294

Date Received : Apr 22, 2026

Date Reported : Apr 30, 2026

Report Number : 3559603-2

Page 1 of 1

Sample Number 2623294-1
Sampled Date Apr 22, 2026 10:52 AM
Sample Description Groundwater
Location บ่อสังเคราะห์ 1 MW1 : HDPE2
Date Analysis Commenced Apr 24, 2026
Condition of Sample Contained in two glass vials, two amber glass bottles and one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Organic Compounds							
n-Hexane	mg/L	-	0.001	<0.001	11	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Petroleum Hydrocarbons							
TPH C>16-C35	mg/L	-	0.05	<0.05	0.1	United States Environmental Protection Agency, EPA Method 3510 C and 8015 C	Bangkok
TPH C>8-C16	mg/L	-	0.05	<0.05	1.7	United States Environmental Protection Agency, EPA Method 3510 C and 8015 C	Bangkok
TPH C5-C8	mg/L	-	0.01	<0.01	1.4	United States Environmental Protection Agency, EPA Method 5030 B and 8260 D	Bangkok

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

(I): ในกรณีที่มีการปนเปื้อนของกรดหรือด่างให้เปรียบเทียบผลวิเคราะห์ค่าพีเอชจากจุดเก็บตัวอย่างบ่อน้ำที่ใช้ในการติดตามตรวจสอบการปนเปื้อนกับผลวิเคราะห์จากจุดเก็บตัวอย่างบ่อน้ำที่เป็นบ่ออ้างอิงบนทิศทางการไหลของน้ำใต้ดินในพื้นที่ โดยค่าพีเอชที่เปลี่ยนแปลงจะต้องไม่เกินหนึ่งระดับ และไม่อยู่นอกช่วงค่าเกณฑ์อนุโลมสูงสุดของมาตรฐานคุณภาพน้ำบาดาลที่เขตรักษา 6.5-9.2

Note : TPH C5-C8 : Sum of n-Pentane, n-Hexane, n-Heptane and n-Octane
TPH C>8-C16 : Sum of n-Nonane, n-Decane, n-Undecane, n-Dodecane, n-Tridecane, n-Tetradecane, n-Pentadecane and n-Hexadecane
TPH C>16-C35 : Sum of n-Heptadecane, Pristane, n-Octadecane, Phytane, n-Nonadecane, n-Eicosane, n-Heneicosane, n-Docosane, n-Tricosane, n-Tetracosane, n-Pentacosane, n-Hexacosane, n-Heptacosane, n-Octacosane, n-Nonacosane, n-Triacontane, n-Hentriacontane, n-Dotriacontane, n-Tritriacontane, n-Tetratriacontane and n-Pentatriacontane
Integration mode: Peak to Peak.

Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005 , Akkarin Budsaktee ทะเบียนเลขที่ ว-204-จ-0196

Remark :

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

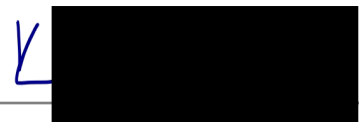
Technical Management



Narin Saiseng
Supervisor

ทะเบียนเลขที่ ว-204-จ-0009

Approved by



Assistant General Manager
ทะเบียนเลขที่ ว-204-ค-0004

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2623294

Date Received : Apr 22, 2026
Date Reported : Apr 30, 2026
Report Number : 3559604-1

Page 1 of 1

Sample Number	2623294-2						
Sampled Date	Apr 22, 2026 11:25 AM						
Sample Description	Groundwater						
Location	บ่อสังเกตการณ์ 3 MW3 : HDPE2						
Date Analysis Commenced	Apr 22, 2026						
Condition of Sample	Contained in two glass vials, two amber glass bottles and one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
pH at 25 degree C		-	-	4.6	6.5-9.2 (I)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

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

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Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005 , Akkarin Budsaktee ทะเบียนเลขที่ ว-204-จ-0196

Remark :

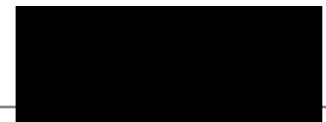
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Technical Management



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

Approved by



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

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location : TPE Site 3

Lot ID: 2623294

Date Received : Apr 22, 2026

Date Reported : Apr 30, 2026

Report Number : 3559604-2

Page 1 of 1

Sample Number	2623294-2						
Sampled Date	Apr 22, 2026 11:25 AM						
Sample Description	Groundwater						
Location	บ่อสังเกตการณ์ 3 MW3 : HDPE2						
Date Analysis Commenced	Apr 24, 2026						
Condition of Sample	Contained in two glass vials, two amber glass bottles and one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Organic Compounds							
n-Hexane	mg/L	-	0.001	<0.001	11	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Petroleum Hydrocarbons							
TPH C>16-C35	mg/L	-	0.05	<0.05	0.1	United States Environmental Protection Agency, EPA Method 3510 C and 8015 C	Bangkok
TPH C>8-C16	mg/L	-	0.05	<0.05	1.7	United States Environmental Protection Agency, EPA Method 3510 C and 8015 C	Bangkok
TPH C5-C8	mg/L	-	0.01	<0.01	1.4	United States Environmental Protection Agency, EPA Method 5030 B and 8260 D	Bangkok

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

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Note : TPH C5-C8 : Sum of n-Pentane, n-Hexane, n-Heptane and n-Octane
TPH C>8-C16 : Sum of n-Nonane, n-Decane, n-Undecane, n-Dodecane, n-Tridecane, n-Tetradecane, n-Pentadecane and n-Hexadecane
TPH C>16-C35 : Sum of n-Heptadecane, Pristane, n-Octadecane, Phytane, n-Nonadecane, n-Eicosane, n-Heneicosane, n-Docosane, n-Tricosane, n-Tetracosane, n-Pentacosane, n-Hexacosane, n-Heptacosane, n-Octacosane, n-Nonacosane, n-Triacontane, n-Hentriacontane, n-Dotriacontane, n-Tritriacontane, n-Tetratriacontane and n-Pentatriacontane
Integration mode: Peak to Peak.

Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005 , Akkarin Budsaktee ทะเบียนเลขที่ ว-204-จ-0196

Remark :

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

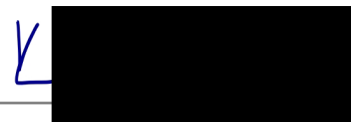
Technical Management



Narin Saiseng
Supervisor

ทะเบียนเลขที่ ว-204-จ-0009

Approved by



Assistant General Manager
ทะเบียนเลขที่ ว-204-ค-0004

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location: HDPE3

Lot ID: 2623527

Date Received : Apr 22, 2026

Date Reported : Apr 30, 2026

Report Number : 3559601-1

Page 1 of 1

Sample Number	2623527-1
Sampled Date	Apr 22, 2026 9:50 AM
Sample Description	Groundwater
Location	บ่อสังเกตการณ์ 2 MW2 : HDPE3
Date Analysis Commenced	Apr 22, 2026
Condition of Sample	Contained in two glass vials, two amber glass bottles and one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
pH at 25 degree C		-	-	4.5	6.5-9.2 (I)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

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

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Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005

Remark :

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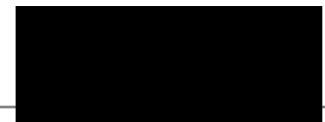
Technical Management



Photchana Seeda
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by



Dej Changanon
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location : HDPE3

Lot ID: 2623527

Date Received : Apr 22, 2026

Date Reported : Apr 30, 2026

Report Number : 3559601-2

Page 1 of 1

Sample Number	2623527-1						
Sampled Date	Apr 22, 2026 9:50 AM						
Sample Description	Groundwater						
Location	บ่อสังเกตการณ์ 2 MW2 : HDPE3						
Date Analysis Commenced	Apr 24, 2026						
Condition of Sample	Contained in two glass vials, two amber glass bottles and one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Organic Compounds							
n-Hexane	mg/L	-	0.001	<0.001	11	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Petroleum Hydrocarbons							
TPH C>16-C35	mg/L	-	0.05	<0.05	0.1	United States Environmental Protection Agency, EPA Method 3510 C and 8015 C	Bangkok
TPH C>8-C16	mg/L	-	0.05	<0.05	1.7	United States Environmental Protection Agency, EPA Method 3510 C and 8015 C	Bangkok
TPH C5-C8	mg/L	-	0.01	<0.01	1.4	United States Environmental Protection Agency, EPA Method 5030 B and 8260 D	Bangkok

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Note : TPH C5-C8 : Sum of n-Pentane, n-Hexane, n-Heptane and n-Octane
TPH C>8-C16 : Sum of n-Nonane, n-Decane, n-Undecane, n-Dodecane, n-Tridecane, n-Tetradecane, n-Pentadecane and n-Hexadecane
TPH C>16-C35 : Sum of n-Heptadecane, Pristane, n-Octadecane, Phytane, n-Nonadecane, n-Eicosane, n-Heneicosane, n-Docosane, n-Tricosane, n-Tetracosane, n-Pentacosane, n-Hexacosane, n-Heptacosane, n-Octacosane, n-Nonacosane, n-Triacontane, n-Hentriacontane, n-Dotriacontane, n-Tritriacontane, n-Tetratriacontane and n-Pentatriacontane
Integration mode: Peak to Peak

Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005

Remark :

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

Technical Management

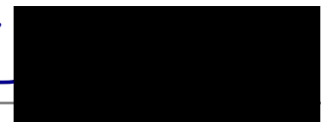


Narin Saiseng
Supervisor

ทะเบียนเลขที่ ว-204-จ-0009

Approved by

✓



Assistant General Manager
ทะเบียนเลขที่ ว-204-ค-0004

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location: HDPE3

Lot ID: 2623527

Date Received : Apr 22, 2026
Date Reported : Apr 30, 2026
Report Number : 3559602-1

Page 1 of 1

Sample Number	2623527-2						
Sampled Date	Apr 22, 2026 10:20 AM						
Sample Description	Groundwater						
Location	บ่อสังเกตุการณ์ 4 MW4 : HDPE3						
Date Analysis Commenced	Apr 22, 2026						
Condition of Sample	Contained in two glass vials, two amber glass bottles and one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
pH at 25 degree C		-	-	4.3	6.5-9.2 (I)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

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Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005

Remark :

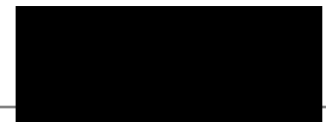
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Technical Management



Photchana Seeda
Scientist (4)
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Analysis / Test Report

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271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location : HDPE3

Lot ID: 2623527

Date Received : Apr 22, 2026

Date Reported : Apr 30, 2026

Report Number : 3559602-2

Page 1 of 1

Sample Number	2623527-2						
Sampled Date	Apr 22, 2026 10:20 AM						
Sample Description	Groundwater						
Location	บ่อสังเกตการณ์ 4 MW4 : HDPE3						
Date Analysis Commenced	Apr 24, 2026						
Condition of Sample	Contained in two glass vials, two amber glass bottles and one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
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TPH C5-C8	mg/L	-	0.01	<0.01	1.4	United States Environmental Protection Agency, EPA Method 5030 B and 8260 D	Bangkok

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

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Note :
TPH C5-C8 : Sum of n-Pentane, n-Hexane, n-Heptane and n-Octane
TPH C>8-C16 : Sum of n-Nonane, n-Decane, n-Undecane, n-Dodecane, n-Tridecane, n-Tetradecane, n-Pentadecane and n-Hexadecane
TPH C>16-C35 : Sum of n-Heptadecane, Pristane, n-Octadecane, Phytane, n-Nonadecane, n-Eicosane, n-Heneicosane, n-Docosane, n-Tricosane, n-Tetracosane, n-Pentacosane, n-Hexacosane, n-Heptacosane, n-Octacosane, n-Nonacosane, n-Triacontane, n-Hentriacontane, n-Dotriacontane, n-Tritriacontane, n-Tetratriacontane and n-Pentatriacontane
Integration mode: Peak to Peak

Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005

Remark :

- LOD : Limit of Detection
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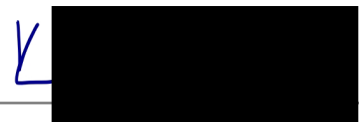
Technical Management



Narin Saiseng
Supervisor

ทะเบียนเลขที่ ว-204-จ-0009

Approved by



Assistant General Manager
ทะเบียนเลขที่ ว-204-ค-0004

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location :

Lot ID: 2583111

Date Received : Oct 30, 2025

Date Reported : Nov 07, 2025

Report Number : 3445118-1

Page 1 of 1

Sample Number	2583111-1						
Sampled Date	Oct 30, 2025 10:55 AM						
Sample Description	Soil						
Location	บ่อสังเคราะห์ 1 MW1 : HDPE2						
Date Analysis Commenced	Oct 31, 2025						
Condition of Sample	Packed in one glass bottle and one plastic bag, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Organic Compounds							
n-Hexane	mg/kg	-	0.2	<0.2	1000	United States Environmental Protection Agency, EPA Method 5035 and 8260 D	Bangkok
Petroleum Hydrocarbons							
TPH C>16-C35	mg/kg	-	0.5	<0.5	8.0	United States Environmental Protection Agency, EPA Method 3541 and 8015 C	Bangkok
TPH C>8-C16	mg/kg	-	0.5	<0.5	25	United States Environmental Protection Agency, EPA Method 3541 and 8015 C	Bangkok
TPH C5-C8	mg/kg	-	0.5	<0.5	25	United States Environmental Protection Agency, EPA Method 5035 and 8260 D	Bangkok
Soil Testing							
pH aqueous phase 50% (w/v)		-	-	8.6	No Standard	United States Environmental Protection Agency, EPA Method 9045 D	Bangkok

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

Note :

1. Analysis Results expressed on dry basis
2. TPH C5-C8 : Sum of n-Pentane, n-Hexane, n-Heptane and n-Octane
TPH C>8-C16 : Sum of n-Nonane, n-Decane, n-Undecane, n-Dodecane, n-Tridecane, n-Tetradecane, n-Pentadecane and n-Hexadecane
TPH C>16-C35 : Sum of n-Heptadecane, Pristane, n-Octadecane, Phytane, n-Nonadecane, n-Eicosane, n-Heneicosane, n-Docosane, n-Tricosane, n-Tetracosane, n-Pentacosane, n-Hexacosane, n-Heptacosane, n-Octacosane, n-Nonacosane, n-Triacontane, n-Hentriacontane, n-Dotriacontane, n-Tritriacontane, n-Tetratriacontane and n-Pentatriacontane
Integration mode: Peak to Peak

Sampling By : Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

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

Technical Management

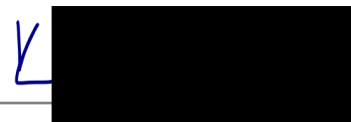


Nanthawadee Somboon

Specialist 2

ทะเบียนเลขที่ ว-204-จ-0010

Approved by



Assistant General Manager

ทะเบียนเลขที่ ว-204-ค-0004

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 : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location :

Lot ID: 2583111

Date Received : Oct 30, 2025

Date Reported : Nov 07, 2025

Report Number : 3445118-2

Page 1 of 1

Sample Number	2583111-1
Sampled Date	Oct 30, 2025 10:55 AM
Sample Description	Soil
Location	บ่อสังเคราะห์การณ 1 MW1 : HDPE2
Date Analysis Commenced	Nov 01, 2025
Condition of Sample	Packed in one glass bottle and one plastic bag, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Physical Parameters							
Moisture	%	-	0.1	8.1	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 G	Bangkok

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

Sampling By : Pattarapol Sawangjaitam

Remark :

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

Approved by



Nanthawadee Somboon
Specialist 2

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



Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location :

Lot ID: 2583111

Date Received : Oct 30, 2025

Date Reported : Nov 07, 2025

Report Number : 3445119-1

Page 1 of 1

Sample Number	2583111-2						
Sampled Date	Oct 30, 2025 10:00 AM						
Sample Description	Soil						
Location	บ่อสังเคราะห์ 2 MW2 : HDPE3						
Date Analysis Commenced	Oct 31, 2025						
Condition of Sample	Packed in one glass bottle and one plastic bag, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Organic Compounds							
n-Hexane	mg/kg	-	0.2	<0.2	1000	United States Environmental Protection Agency, EPA Method 5035 and 8260 D	Bangkok
Petroleum Hydrocarbons							
TPH C>16-C35	mg/kg	-	0.5	<0.5	8.0	United States Environmental Protection Agency, EPA Method 3541 and 8015 C	Bangkok
TPH C>8-C16	mg/kg	-	0.5	<0.5	25	United States Environmental Protection Agency, EPA Method 3541 and 8015 C	Bangkok
TPH C5-C8	mg/kg	-	0.5	<0.5	25	United States Environmental Protection Agency, EPA Method 5035 and 8260 D	Bangkok
Soil Testing							
pH aqueous phase 50% (w/v)		-	-	7.9	No Standard	United States Environmental Protection Agency, EPA Method 9045 D	Bangkok

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

Note :

1. Analysis Results expressed on dry basis
2. TPH C5-C8 : Sum of n-Pentane, n-Hexane, n-Heptane and n-Octane
TPH C>8-C16 : Sum of n-Nonane, n-Decane, n-Undecane, n-Dodecane, n-Tridecane, n-Tetradecane, n-Pentadecane and n-Hexadecane
TPH C>16-C35 : Sum of n-Heptadecane, Pristane, n-Octadecane, Phytane, n-Nonadecane, n-Eicosane, n-Heneicosane, n-Docosane, n-Tricosane, n-Tetracosane, n-Pentacosane, n-Hexacosane, n-Heptacosane, n-Octacosane, n-Nonacosane, n-Triacontane, n-Hentriacontane, n-Dotriacontane, n-Tritriacontane, n-Tetratriacontane and n-Pentatriacontane
Integration mode: Peak to Peak

Sampling By : Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

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

Technical Management

Nanthawadee Somboon
Specialist 2
ทะเบียนเลขที่ ว-204-จ-0010

Approved by

Assistant General Manager
ทะเบียนเลขที่ ว-204-ค-0004

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 : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location :

Lot ID: 2583111

Date Received : Oct 30, 2025

Date Reported : Nov 07, 2025

Report Number : 3445119-2

Page 1 of 1

Sample Number	2583111-2
Sampled Date	Oct 30, 2025 10:00 AM
Sample Description	Soil
Location	บ่อสังเคราะห์การณ 2 MW2 : HDPE3
Date Analysis Commenced	Nov 01, 2025
Condition of Sample	Packed in one glass bottle and one plastic bag, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Physical Parameters							
Moisture	%	-	0.1	14.4	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 G	Bangkok

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

Sampling By : Pattarapol Sawangjaitam

Remark :

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

Approved by



Nanthawadee Somboon
Specialist 2

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



Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location :

Lot ID: 2583111

Date Received : Oct 30, 2025

Date Reported : Nov 07, 2025

Report Number : 3445120-1

Page 1 of 1

Sample Number	2583111-3						
Sampled Date	Oct 30, 2025 11:30 AM						
Sample Description	Soil						
Location	บ่อสังเคราะห์ 3 MW3 : HDPE2						
Date Analysis Commenced	Oct 31, 2025						
Condition of Sample	Packed in one glass bottle and one plastic bag, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Organic Compounds							
n-Hexane	mg/kg	-	0.2	<0.2	1000	United States Environmental Protection Agency, EPA Method 5035 and 8260 D	Bangkok
Petroleum Hydrocarbons							
TPH C>16-C35	mg/kg	-	0.5	<0.5	8.0	United States Environmental Protection Agency, EPA Method 3541 and 8015 C	Bangkok
TPH C>8-C16	mg/kg	-	0.5	<0.5	25	United States Environmental Protection Agency, EPA Method 3541 and 8015 C	Bangkok
TPH C5-C8	mg/kg	-	0.5	<0.5	25	United States Environmental Protection Agency, EPA Method 5035 and 8260 D	Bangkok
Soil Testing							
pH aqueous phase 50% (w/v)		-	-	8.5	No Standard	United States Environmental Protection Agency, EPA Method 9045 D	Bangkok

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

Note :

1. Analysis Results expressed on dry basis
2. TPH C5-C8 : Sum of n-Pentane, n-Hexane, n-Heptane and n-Octane
TPH C>8-C16 : Sum of n-Nonane, n-Decane, n-Undecane, n-Dodecane, n-Tridecane, n-Tetradecane, n-Pentadecane and n-Hexadecane
TPH C>16-C35 : Sum of n-Heptadecane, Pristane, n-Octadecane, Phytane, n-Nonadecane, n-Eicosane, n-Heneicosane, n-Docosane, n-Tricosane, n-Tetracosane, n-Pentacosane, n-Hexacosane, n-Heptacosane, n-Octacosane, n-Nonacosane, n-Triacontane, n-Hentriacontane, n-Dotriacontane, n-Tritriacontane, n-Tetratriacontane and n-Pentatriacontane
Integration mode: Peak to Peak

Sampling By : Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

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

Technical Management

Nanthawadee Somboon
Specialist 2
ทะเบียนเลขที่ ว-204-จ-0010

Approved by

Assistant General Manager
ทะเบียนเลขที่ ว-204-ค-0004

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 : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location :

Lot ID: 2583111

Date Received : Oct 30, 2025

Date Reported : Nov 07, 2025

Report Number : 3445120-2

Page 1 of 1

Sample Number	2583111-3
Sampled Date	Oct 30, 2025 11:30 AM
Sample Description	Soil
Location	บ่อสังเคราะห์ 3 MW3 : HDPE2
Date Analysis Commenced	Nov 01, 2025
Condition of Sample	Packed in one glass bottle and one plastic bag, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Physical Parameters							
Moisture	%	-	0.1	7.8	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 G	Bangkok

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

Sampling By : Pattarapol Sawangjaitam

Remark :

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

Approved by



Nanthawadee Somboon
Specialist 2

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location :

Lot ID: 2583111

Date Received : Oct 30, 2025

Date Reported : Nov 07, 2025

Report Number : 3445121-1

Page 1 of 1

Sample Number	2583111-4						
Sampled Date	Oct 30, 2025 10:30 AM						
Sample Description	Soil						
Location	บ่อสังเกตราดน้ำ 4 MW4 : HDPE3						
Date Analysis Commenced	Oct 31, 2025						
Condition of Sample	Packed in one glass bottle and one plastic bag, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Organic Compounds							
n-Hexane	mg/kg	-	0.2	<0.2	1000	United States Environmental Protection Agency, EPA Method 5035 and 8260 D	Bangkok
Petroleum Hydrocarbons							
TPH C>16-C35	mg/kg	-	0.5	<0.5	8.0	United States Environmental Protection Agency, EPA Method 3541 and 8015 C	Bangkok
TPH C>8-C16	mg/kg	-	0.5	<0.5	25	United States Environmental Protection Agency, EPA Method 3541 and 8015 C	Bangkok
TPH C5-C8	mg/kg	-	0.5	<0.5	25	United States Environmental Protection Agency, EPA Method 5035 and 8260 D	Bangkok
Soil Testing							
pH aqueous phase 50% (w/v)		-	-	8.2	No Standard	United States Environmental Protection Agency, EPA Method 9045 D	Bangkok

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

Note :

1. Analysis Results expressed on dry basis
2. TPH C5-C8 : Sum of n-Pentane, n-Hexane, n-Heptane and n-Octane
TPH C>8-C16 : Sum of n-Nonane, n-Decane, n-Undecane, n-Dodecane, n-Tridecane, n-Tetradecane, n-Pentadecane and n-Hexadecane
TPH C>16-C35 : Sum of n-Heptadecane, Pristane, n-Octadecane, Phytane, n-Nonadecane, n-Eicosane, n-Heneicosane, n-Docosane, n-Tricosane, n-Tetracosane, n-Pentacosane, n-Hexacosane, n-Heptacosane, n-Octacosane, n-Nonacosane, n-Triacontane, n-Hentriacontane, n-Dotriacontane, n-Tritriacontane, n-Tetratriacontane and n-Pentatriacontane
Integration mode: Peak to Peak

Sampling By : Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

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

Technical Management

Nanthawadee Somboon
Specialist 2
ทะเบียนเลขที่ ว-204-จ-0010

Approved by

Assistant General Manager
ทะเบียนเลขที่ ว-204-ค-0004

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 : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location :

Lot ID: 2583111

Date Received : Oct 30, 2025

Date Reported : Nov 07, 2025

Report Number : 3445121-2

Page 1 of 1

Sample Number	2583111-4
Sampled Date	Oct 30, 2025 10:30 AM
Sample Description	Soil
Location	บ่อสังเคราะห์ 4 MW4 : HDPE3
Date Analysis Commenced	Nov 01, 2025
Condition of Sample	Packed in one glass bottle and one plastic bag, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Physical Parameters							
Moisture	%	-	0.1	11.1	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 G	Bangkok

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

Sampling By : Pattarapol Sawangjaitam

Remark :

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

Approved by

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.

Nanthawadee Somboon
Specialist 2

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8207-81/ EMAIL

S:\Reports_All_GL.rpt (10:21AM)

ระดับเสียงเฉลี่ย 24 ชั่วโมง



Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location : TPE Site 3

Lot ID: 2632496

Date Received : May 18, 2026

Date Reported : May 22, 2026

Report Number: 3577576-1

Page 1 of 1

Sample Number 2632496-1
Parameter Noise (Leq 24 hrs.)
Location บริเวณทางเข้าพื้นที่ SCG Chemicals Site#3 (GPS 47P 0733710, 1407346)
Measurement Date May 07 - May 08, 2026
Measurement by Sawai Tonpho
Sound Level meter Serial No. 1120937

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	61.4	83.0	57.8
12:00 PM - 01:00 PM	64.1	81.9	58.2
01:00 PM - 02:00 PM	60.4	81.3	57.0
02:00 PM - 03:00 PM	59.7	74.3	56.4
03:00 PM - 04:00 PM	59.9	75.6	56.4
04:00 PM - 05:00 PM	62.6	82.8	58.6
05:00 PM - 06:00 PM	62.1	82.8	58.0
06:00 PM - 07:00 PM	64.3	80.3	58.8
07:00 PM - 08:00 PM	61.5	76.6	57.4
08:00 PM - 09:00 PM	60.5	75.9	56.7
09:00 PM - 10:00 PM	59.4	78.3	56.7
10:00 PM - 11:00 PM	59.0	73.8	55.4
11:00 PM - 12:00 AM	57.9	73.4	54.4
12:00 AM - 01:00 AM	57.4	75.8	53.6
01:00 AM - 02:00 AM	56.5	77.0	53.2
02:00 AM - 03:00 AM	56.6	83.6	53.6
03:00 AM - 04:00 AM	56.4	76.8	53.4
04:00 AM - 05:00 AM	57.6	72.2	54.2
05:00 AM - 06:00 AM	64.0	77.3	56.5
06:00 AM - 07:00 AM	64.5	83.7	58.8
07:00 AM - 08:00 AM	65.5	89.4	59.2
08:00 AM - 09:00 AM	61.4	77.7	56.7
09:00 AM - 10:00 AM	59.6	80.0	55.8
10:00 AM - 11:00 AM	62.5	77.0	55.3

Leq Average 24 hrs. (dB(A)) 61.4
Lmax (dB(A)) 89.4
L90 (dB(A)) 56.5
Ldn (dB(A)) 66.8

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chonticha Subongkoch
Scientist (3)

Approved by

Supot Salamteh
Section Head

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

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2632496

Date Received : May 18, 2026
Date Reported : May 22, 2026
Report Number: 3577577-1

Page 1 of 1

Sample Number 2632496-2
Parameter Noise (Leq 24 hrs.)
Location บริเวณทางเข้าพื้นที่ SCG Chemicals Site#3 (GPS 47P 0733710, 1407346)
Measurement Date May 08 - May 09, 2026
Measurement by Sawai Tonpho
Sound Level meter Serial No. 1120937

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	60.9	77.4	56.2
12:00 PM - 01:00 PM	60.7	78.9	56.4
01:00 PM - 02:00 PM	59.8	76.7	56.0
02:00 PM - 03:00 PM	59.7	79.3	55.9
03:00 PM - 04:00 PM	59.6	76.8	56.2
04:00 PM - 05:00 PM	61.4	74.6	57.4
05:00 PM - 06:00 PM	60.8	82.8	56.2
06:00 PM - 07:00 PM	62.7	82.5	56.9
07:00 PM - 08:00 PM	60.5	77.6	56.0
08:00 PM - 09:00 PM	58.7	78.2	54.4
09:00 PM - 10:00 PM	58.4	75.5	53.8
10:00 PM - 11:00 PM	57.6	88.1	53.1
11:00 PM - 12:00 AM	55.1	75.5	52.2
12:00 AM - 01:00 AM	55.7	81.1	52.3
01:00 AM - 02:00 AM	54.2	72.3	52.1
02:00 AM - 03:00 AM	54.2	73.9	52.0
03:00 AM - 04:00 AM	53.9	71.4	51.8
04:00 AM - 05:00 AM	56.5	69.7	52.3
05:00 AM - 06:00 AM	64.8	77.7	54.6
06:00 AM - 07:00 AM	64.2	85.0	57.5
07:00 AM - 08:00 AM	65.1	88.1	58.2
08:00 AM - 09:00 AM	61.7	82.1	56.3
09:00 AM - 10:00 AM	60.5	77.8	56.1
10:00 AM - 11:00 AM	62.1	76.7	55.9

Leq Average 24 hrs. (dB(A)) 60.6
Lmax (dB(A)) 88.1
L90 (dB(A)) 55.9
Ldn (dB(A)) 66.2
Standard (dB(A)) 70 115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chonticha Subongkoch
Scientist (3)

Approved by

Supot Salamteh
Section Head



Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location : TPE Site 3

Lot ID: 2632496

Date Received : May 18, 2026

Date Reported : May 22, 2026

Report Number: 3577578-1

Page 1 of 1

Sample Number 2632496-3
Parameter Noise (Leq 24 hrs.)
Location บริเวณทางเข้าพื้นที่ SCG Chemicals Site#3 (GPS 47P 0733710, 1407346)
Measurement Date May 09 - May 10, 2026
Measurement by Sawai Tonpho
Sound Level meter Serial No. 1120937

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	61.4	80.3	56.3
12:00 PM - 01:00 PM	61.0	82.7	55.6
01:00 PM - 02:00 PM	62.1	77.3	55.5
02:00 PM - 03:00 PM	59.3	83.5	55.3
03:00 PM - 04:00 PM	59.8	81.3	55.9
04:00 PM - 05:00 PM	61.7	77.5	57.3
05:00 PM - 06:00 PM	60.5	75.8	57.1
06:00 PM - 07:00 PM	64.2	84.1	57.6
07:00 PM - 08:00 PM	62.1	81.4	56.7
08:00 PM - 09:00 PM	59.7	78.8	55.6
09:00 PM - 10:00 PM	59.3	85.5	55.0
10:00 PM - 11:00 PM	58.3	76.7	54.7
11:00 PM - 12:00 AM	58.7	76.6	55.1
12:00 AM - 01:00 AM	59.2	81.3	55.0
01:00 AM - 02:00 AM	56.4	74.7	54.1
02:00 AM - 03:00 AM	55.2	72.0	53.1
03:00 AM - 04:00 AM	55.4	71.9	52.9
04:00 AM - 05:00 AM	55.3	77.8	52.8
05:00 AM - 06:00 AM	63.7	74.0	53.8
06:00 AM - 07:00 AM	62.3	81.2	56.3
07:00 AM - 08:00 AM	63.0	83.6	57.0
08:00 AM - 09:00 AM	59.2	76.3	55.1
09:00 AM - 10:00 AM	61.9	71.9	55.6
10:00 AM - 11:00 AM	59.4	79.6	56.0

Leq Average 24 hrs. (dB(A)) 60.6
Lmax (dB(A)) 85.5
L90 (dB(A)) 55.5
Ldn (dB(A)) 66.1

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chonticha Subongkoch
Scientist (3)

Approved by

Supot Salamteh
Section Head



Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location : TPE Site 3

Lot ID: 2632496

Date Received : May 18, 2026

Date Reported : May 22, 2026

Report Number: 3577579-1

Page 1 of 1

Sample Number 2632496-4
Parameter Noise (Leq 24 hrs.)
Location บริเวณทางเข้าพื้นที่ SCG Chemicals Site#3 (GPS 47P 0733710, 1407346)
Measurement Date May 10 - May 11, 2026
Measurement by Sawai Tonpho
Sound Level meter Serial No. 1120937

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	62.1	76.7	56.7
12:00 PM - 01:00 PM	62.7	80.4	57.6
01:00 PM - 02:00 PM	59.3	71.8	57.2
02:00 PM - 03:00 PM	59.6	76.6	57.0
03:00 PM - 04:00 PM	59.2	81.1	56.4
04:00 PM - 05:00 PM	60.1	76.6	57.0
05:00 PM - 06:00 PM	60.2	76.0	56.7
06:00 PM - 07:00 PM	63.6	82.0	57.8
07:00 PM - 08:00 PM	61.8	79.4	57.5
08:00 PM - 09:00 PM	60.4	80.7	57.4
09:00 PM - 10:00 PM	58.6	83.7	55.1
10:00 PM - 11:00 PM	58.4	72.1	54.8
11:00 PM - 12:00 AM	58.7	82.9	54.9
12:00 AM - 01:00 AM	59.3	77.4	56.1
01:00 AM - 02:00 AM	58.1	73.3	55.2
02:00 AM - 03:00 AM	57.0	73.7	54.0
03:00 AM - 04:00 AM	56.0	73.1	53.7
04:00 AM - 05:00 AM	57.2	73.8	54.4
05:00 AM - 06:00 AM	64.2	76.1	56.0
06:00 AM - 07:00 AM	64.9	86.2	59.0
07:00 AM - 08:00 AM	65.3	85.3	60.0
08:00 AM - 09:00 AM	61.4	80.2	56.9
09:00 AM - 10:00 AM	62.3	75.2	56.6
10:00 AM - 11:00 AM	63.5	86.6	56.8

Leq Average 24 hrs. (dB(A)) 61.3
Lmax (dB(A)) 86.6
L90 (dB(A)) 56.7
Ldn (dB(A)) 67.1

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chonticha Subongkoch
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Approved by

Supot Salamteh
Section Head

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Life Sciences

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location : TPE Site 3

Lot ID: 2632496

Date Received : May 18, 2026

Date Reported : May 22, 2026

Report Number: 3577580-1

Page 1 of 1

Sample Number 2632496-5
Parameter Noise (Leq 24 hrs.)
Location บริเวณทางเข้าพื้นที่ SCG Chemicals Site#3 (GPS 47P 0733710, 1407346)
Measurement Date May 11 - May 12, 2026
Measurement by Sawai Tonpho
Sound Level meter Serial No. 1120937

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	62.6	75.9	57.1
12:00 PM - 01:00 PM	61.8	86.0	56.6
01:00 PM - 02:00 PM	61.9	73.4	56.3
02:00 PM - 03:00 PM	58.9	78.0	55.9
03:00 PM - 04:00 PM	60.5	79.7	56.5
04:00 PM - 05:00 PM	61.5	78.1	58.1
05:00 PM - 06:00 PM	61.4	83.2	57.6
06:00 PM - 07:00 PM	64.3	82.8	57.8
07:00 PM - 08:00 PM	62.0	76.3	57.4
08:00 PM - 09:00 PM	60.0	80.0	56.1
09:00 PM - 10:00 PM	59.0	77.5	55.4
10:00 PM - 11:00 PM	58.3	74.8	55.1
11:00 PM - 12:00 AM	58.0	77.7	54.9
12:00 AM - 01:00 AM	57.4	74.4	54.9
01:00 AM - 02:00 AM	58.3	73.6	54.0
02:00 AM - 03:00 AM	61.4	88.6	55.0
03:00 AM - 04:00 AM	59.7	79.4	56.7
04:00 AM - 05:00 AM	59.0	76.0	56.9
05:00 AM - 06:00 AM	65.9	86.7	58.8
06:00 AM - 07:00 AM	64.9	81.6	60.1
07:00 AM - 08:00 AM	66.6	84.5	61.5
08:00 AM - 09:00 AM	63.2	78.3	58.0
09:00 AM - 10:00 AM	60.6	81.9	56.6
10:00 AM - 11:00 AM	61.2	81.3	56.3

Leq Average 24 hrs. (dB(A)) 61.9
Lmax (dB(A)) 88.6
L90 (dB(A)) 56.6
Ldn (dB(A)) 68.0

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

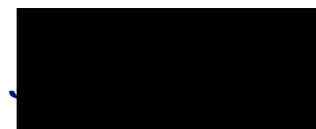
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management



Chonticha Subongkoch
Scientist (3)

Approved by



Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2632496

Date Received : May 18, 2026
Date Reported : May 22, 2026
Report Number: 3577581-1

Page 1 of 1

Sample Number 2632496-6
Parameter Noise (Leq 24 hrs.)
Location บริเวณทางเข้าพื้นที่ SCG Chemicals Site#3 (GPS 47P 0733710, 1407346)
Measurement Date May 12 - May 13, 2026
Measurement by Sawai Tonpho
Sound Level meter Serial No. 1120937

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	63.7	78.7	57.9
12:00 PM - 01:00 PM	62.0	79.1	57.3
01:00 PM - 02:00 PM	60.5	82.4	57.5
02:00 PM - 03:00 PM	59.7	79.4	56.7
03:00 PM - 04:00 PM	59.9	79.7	56.8
04:00 PM - 05:00 PM	62.3	80.6	58.8
05:00 PM - 06:00 PM	63.7	82.0	58.7
06:00 PM - 07:00 PM	64.8	82.3	58.6
07:00 PM - 08:00 PM	62.5	83.8	57.6
08:00 PM - 09:00 PM	61.0	77.9	56.9
09:00 PM - 10:00 PM	58.6	74.0	55.0
10:00 PM - 11:00 PM	58.5	76.6	55.1
11:00 PM - 12:00 AM	60.2	78.4	56.0
12:00 AM - 01:00 AM	58.0	77.7	54.1
01:00 AM - 02:00 AM	56.4	77.4	53.4
02:00 AM - 03:00 AM	56.3	79.7	53.5
03:00 AM - 04:00 AM	55.5	70.7	53.2
04:00 AM - 05:00 AM	57.6	79.4	53.6
05:00 AM - 06:00 AM	64.2	76.6	56.6
06:00 AM - 07:00 AM	65.5	87.1	58.7
07:00 AM - 08:00 AM	65.9	85.0	60.5
08:00 AM - 09:00 AM	63.5	81.5	57.4
09:00 AM - 10:00 AM	60.8	79.3	56.3
10:00 AM - 11:00 AM	59.6	75.3	56.1

Leq Average 24 hrs. (dB(A)) 61.8
Lmax (dB(A)) 87.1
L90 (dB(A)) 56.7
Ldn (dB(A)) 67.3
Standard (dB(A)) 70 115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management



Chonticha Subongkoch
Scientist (3)

Approved by



Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location : TPE Site 3

Lot ID: 2632496

Date Received : May 18, 2026

Date Reported : May 22, 2026

Report Number: 3577582-1

Page 1 of 1

Sample Number 2632496-7
Parameter Noise (Leq 24 hrs.)
Location บริเวณทางเข้าพื้นที่ SCG Chemicals Site#3 (GPS 47P 0733710, 1407346)
Measurement Date May 13 - May 14, 2026
Measurement by Sawai Tonpho
Sound Level meter Serial No. 1120937

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	61.8	79.0	57.3
12:00 PM - 01:00 PM	61.2	84.0	56.5
01:00 PM - 02:00 PM	60.4	81.2	56.4
02:00 PM - 03:00 PM	62.7	75.2	56.7
03:00 PM - 04:00 PM	60.1	83.0	56.4
04:00 PM - 05:00 PM	62.2	77.7	58.5
05:00 PM - 06:00 PM	61.3	76.5	57.9
06:00 PM - 07:00 PM	64.7	86.6	59.1
07:00 PM - 08:00 PM	62.9	80.2	58.8
08:00 PM - 09:00 PM	59.9	73.4	56.4
09:00 PM - 10:00 PM	59.2	82.5	55.6
10:00 PM - 11:00 PM	58.6	78.7	55.0
11:00 PM - 12:00 AM	59.7	80.3	55.1
12:00 AM - 01:00 AM	57.5	71.9	54.8
01:00 AM - 02:00 AM	57.6	73.6	55.4
02:00 AM - 03:00 AM	66.7	77.4	56.4
03:00 AM - 04:00 AM	59.5	77.6	54.5
04:00 AM - 05:00 AM	58.1	77.2	55.4
05:00 AM - 06:00 AM	64.1	77.8	56.5
06:00 AM - 07:00 AM	64.9	82.1	59.2
07:00 AM - 08:00 AM	65.8	85.1	59.2
08:00 AM - 09:00 AM	63.1	81.3	57.3
09:00 AM - 10:00 AM	61.9	78.5	56.3
10:00 AM - 11:00 AM	59.9	80.7	56.7

Leq Average 24 hrs. (dB(A)) 62.2
Lmax (dB(A)) 86.6
L90 (dB(A)) 56.4
Ldn (dB(A)) 68.5

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chonticha Subongkoch
Scientist (3)

Approved by

Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location : TPE Site 3

Lot ID: 2632496

Date Received : May 18, 2026

Date Reported : May 22, 2026

Report Number: 3577583-1

Page 1 of 1

Sample Number 2632496-8
Parameter Noise (Leq 24 hrs.)
Location ด้านทิศตะวันออกของ SCG Chemicals Site#3 (GPS 47P 0734053, 1406462)
Measurement Date May 07 - May 08, 2026
Measurement by Sawai Tonpho
Sound Level meter Serial No. 1120938

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	57.6	82.2	55.8
12:00 PM - 01:00 PM	57.6	62.3	56.8
01:00 PM - 02:00 PM	58.2	78.7	56.9
02:00 PM - 03:00 PM	56.8	65.4	54.6
03:00 PM - 04:00 PM	55.5	64.4	54.6
04:00 PM - 05:00 PM	55.3	61.9	54.7
05:00 PM - 06:00 PM	56.7	63.1	55.3
06:00 PM - 07:00 PM	59.0	63.8	57.3
07:00 PM - 08:00 PM	57.8	61.0	56.9
08:00 PM - 09:00 PM	56.8	61.6	55.7
09:00 PM - 10:00 PM	58.5	62.3	57.5
10:00 PM - 11:00 PM	58.1	68.0	57.2
11:00 PM - 12:00 AM	56.0	63.7	55.3
12:00 AM - 01:00 AM	55.5	64.3	55.0
01:00 AM - 02:00 AM	55.1	62.5	54.6
02:00 AM - 03:00 AM	55.5	62.5	54.9
03:00 AM - 04:00 AM	55.3	66.0	54.7
04:00 AM - 05:00 AM	55.2	70.7	54.6
05:00 AM - 06:00 AM	59.0	68.3	54.7
06:00 AM - 07:00 AM	55.4	66.9	54.8
07:00 AM - 08:00 AM	55.2	64.6	54.5
08:00 AM - 09:00 AM	55.5	73.3	54.8
09:00 AM - 10:00 AM	55.6	66.6	54.8
10:00 AM - 11:00 AM	55.2	61.8	54.5

Leq Average 24 hrs. (dB(A)) 56.7
Lmax (dB(A)) 82.2
L90 (dB(A)) 54.8
Ldn (dB(A)) 62.9

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chonticha Subongkoch
Scientist (3)

Approved by

Supot Salamteh
Section Head

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Life Sciences

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2632496

Date Received : May 18, 2026
Date Reported : May 22, 2026
Report Number: 3577584-1

Page 1 of 1

Sample Number 2632496-9
Parameter Noise (Leq 24 hrs.)
Location ด้านทิศตะวันออกของ SCG Chemicals Site#3 (GPS 47P 0734053, 1406462)
Measurement Date May 08 - May 09, 2026
Measurement by Sawai Tonpho
Sound Level meter Serial No. 1120938

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	55.4	71.9	54.3
12:00 PM - 01:00 PM	56.3	65.1	54.7
01:00 PM - 02:00 PM	57.4	61.5	56.4
02:00 PM - 03:00 PM	55.8	72.1	54.2
03:00 PM - 04:00 PM	56.2	64.5	54.9
04:00 PM - 05:00 PM	56.5	63.7	55.8
05:00 PM - 06:00 PM	56.2	64.7	55.4
06:00 PM - 07:00 PM	58.8	67.7	55.1
07:00 PM - 08:00 PM	55.8	63.3	55.1
08:00 PM - 09:00 PM	56.1	62.7	55.4
09:00 PM - 10:00 PM	56.2	61.3	55.5
10:00 PM - 11:00 PM	56.2	70.2	55.6
11:00 PM - 12:00 AM	55.9	62.1	55.3
12:00 AM - 01:00 AM	56.1	62.0	55.4
01:00 AM - 02:00 AM	56.0	61.6	55.4
02:00 AM - 03:00 AM	55.9	61.6	55.4
03:00 AM - 04:00 AM	56.0	59.3	55.5
04:00 AM - 05:00 AM	56.1	59.3	55.6
05:00 AM - 06:00 AM	62.8	73.3	55.7
06:00 AM - 07:00 AM	56.2	65.3	55.5
07:00 AM - 08:00 AM	55.9	64.3	55.0
08:00 AM - 09:00 AM	55.9	78.1	54.8
09:00 AM - 10:00 AM	57.4	67.6	54.9
10:00 AM - 11:00 AM	68.3	88.3	54.3

Leq Average 24 hrs. (dB(A)) 58.8
Lmax (dB(A)) 88.3
L90 (dB(A)) 55.4
Ldn (dB(A)) 64.3

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

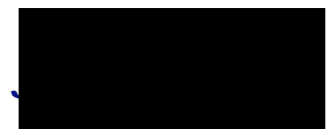
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management



Chonticha Subongkoch
Scientist (3)

Approved by



Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location : TPE Site 3

Lot ID: 2632496

Date Received : May 18, 2026

Date Reported : May 22, 2026

Report Number: 3577585-1

Page 1 of 1

Sample Number 2632496-10
Parameter Noise (Leq 24 hrs.)
Location ด้านทิศตะวันออกของ SCG Chemicals Site#3 (GPS 47P 0734053, 1406462)
Measurement Date May 09 - May 10, 2026
Measurement by Sawai Tonpho
Sound Level meter Serial No. 1120938

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	55.4	74.5	53.7
12:00 PM - 01:00 PM	59.1	74.5	54.2
01:00 PM - 02:00 PM	54.4	61.2	53.4
02:00 PM - 03:00 PM	54.7	65.4	53.7
03:00 PM - 04:00 PM	55.1	60.2	54.2
04:00 PM - 05:00 PM	57.0	69.0	55.5
05:00 PM - 06:00 PM	56.8	63.9	56.0
06:00 PM - 07:00 PM	62.0	72.6	56.2
07:00 PM - 08:00 PM	56.6	65.2	55.7
08:00 PM - 09:00 PM	56.2	73.4	55.3
09:00 PM - 10:00 PM	56.5	64.5	55.6
10:00 PM - 11:00 PM	56.9	68.4	56.0
11:00 PM - 12:00 AM	56.9	65.0	56.1
12:00 AM - 01:00 AM	56.5	59.8	55.7
01:00 AM - 02:00 AM	56.6	70.1	55.8
02:00 AM - 03:00 AM	57.2	66.7	56.1
03:00 AM - 04:00 AM	55.8	59.6	55.3
04:00 AM - 05:00 AM	56.2	72.8	55.6
05:00 AM - 06:00 AM	62.5	72.8	55.1
06:00 AM - 07:00 AM	55.9	65.4	55.3
07:00 AM - 08:00 AM	55.0	61.1	54.3
08:00 AM - 09:00 AM	54.7	62.6	54.0
09:00 AM - 10:00 AM	55.4	60.6	53.9
10:00 AM - 11:00 AM	57.7	73.1	55.0

Leq Average 24 hrs. (dB(A)) 57.3
Lmax (dB(A)) 74.5
L90 (dB(A)) 55.3
Ldn (dB(A)) 64.1

Standard (dB(A)) 70 115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chonticha Subongkoch
Scientist (3)

Approved by

Supot Salamteh
Section Head



Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2632496

Date Received : May 18, 2026
Date Reported : May 22, 2026
Report Number: 3577586-1

Page 1 of 1

Sample Number 2632496-11
Parameter Noise (Leq 24 hrs.)
Location ด้านทิศตะวันออกของ SCG Chemicals Site#3 (GPS 47P 0734053, 1406462)
Measurement Date May 10 - May 11, 2026
Measurement by Sawai Tonpho
Sound Level meter Serial No. 1120938

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	56.2	63.2	55.1
12:00 PM - 01:00 PM	56.6	60.7	55.4
01:00 PM - 02:00 PM	57.9	62.6	56.7
02:00 PM - 03:00 PM	58.2	70.7	57.0
03:00 PM - 04:00 PM	58.0	70.3	56.6
04:00 PM - 05:00 PM	57.0	67.3	54.7
05:00 PM - 06:00 PM	55.4	62.1	54.7
06:00 PM - 07:00 PM	60.7	72.8	55.8
07:00 PM - 08:00 PM	56.1	61.1	55.2
08:00 PM - 09:00 PM	57.5	67.2	55.7
09:00 PM - 10:00 PM	58.3	64.2	57.2
10:00 PM - 11:00 PM	57.5	72.6	55.9
11:00 PM - 12:00 AM	58.0	85.7	55.5
12:00 AM - 01:00 AM	59.3	88.8	57.2
01:00 AM - 02:00 AM	57.9	82.0	56.8
02:00 AM - 03:00 AM	56.3	69.4	55.7
03:00 AM - 04:00 AM	56.2	65.8	55.6
04:00 AM - 05:00 AM	56.8	73.6	56.2
05:00 AM - 06:00 AM	59.6	73.9	56.1
06:00 AM - 07:00 AM	56.9	77.7	56.0
07:00 AM - 08:00 AM	56.4	64.9	55.4
08:00 AM - 09:00 AM	55.8	71.2	55.1
09:00 AM - 10:00 AM	55.2	62.9	54.5
10:00 AM - 11:00 AM	56.0	65.6	55.0

Leq Average 24 hrs. (dB(A)) 57.5
Lmax (dB(A)) 88.8
L90 (dB(A)) 55.7
Ldn (dB(A)) 64.1
Standard (dB(A)) 70 115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chonticha Subongkoch
Scientist (3)

Approved by

Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location : TPE Site 3

Lot ID: 2632496

Date Received : May 18, 2026

Date Reported : May 22, 2026

Report Number: 3577587-1

Page 1 of 1

Sample Number 2632496-12
Parameter Noise (Leq 24 hrs.)
Location ด้านทิศตะวันออกของ SCG Chemicals Site#3 (GPS 47P 0734053, 1406462)
Measurement Date May 11 - May 12, 2026
Measurement by Sawai Tonpho
Sound Level meter Serial No. 1120938

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	55.4	64.5	54.5
12:00 PM - 01:00 PM	55.4	66.2	54.4
01:00 PM - 02:00 PM	56.0	62.9	54.3
02:00 PM - 03:00 PM	55.0	62.0	54.1
03:00 PM - 04:00 PM	56.3	65.0	55.2
04:00 PM - 05:00 PM	56.5	62.7	55.5
05:00 PM - 06:00 PM	57.7	66.5	56.6
06:00 PM - 07:00 PM	58.1	70.7	56.3
07:00 PM - 08:00 PM	57.1	67.0	56.2
08:00 PM - 09:00 PM	56.5	64.9	55.5
09:00 PM - 10:00 PM	56.8	69.9	55.7
10:00 PM - 11:00 PM	56.3	70.5	55.4
11:00 PM - 12:00 AM	56.6	64.4	55.8
12:00 AM - 01:00 AM	57.8	65.1	56.2
01:00 AM - 02:00 AM	56.5	59.7	55.6
02:00 AM - 03:00 AM	55.9	67.8	54.9
03:00 AM - 04:00 AM	74.4	106.5	55.5
04:00 AM - 05:00 AM	61.2	74.8	60.1
05:00 AM - 06:00 AM	61.8	88.7	59.5
06:00 AM - 07:00 AM	61.7	95.9	59.3
07:00 AM - 08:00 AM	59.9	90.1	58.3
08:00 AM - 09:00 AM	58.5	92.4	56.3
09:00 AM - 10:00 AM	56.8	83.9	55.7
10:00 AM - 11:00 AM	57.0	66.7	55.6

Leq Average 24 hrs. (dB(A)) 62.4
Lmax (dB(A)) 106.5
L90 (dB(A)) 55.6
Ldn (dB(A)) 71.6
Standard (dB(A)) 70

Reference Method : ISO 1996-1 : 2016

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

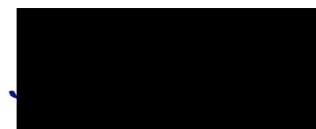
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management



Chonticha Subongkoch
Scientist (3)

Approved by



Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location : TPE Site 3

Lot ID: 2632496

Date Received : May 18, 2026

Date Reported : May 22, 2026

Report Number: 3577588-1

Page 1 of 1

Sample Number 2632496-13
Parameter Noise (Leq 24 hrs.)
Location ด้านทิศตะวันออกของ SCG Chemicals Site#3 (GPS 47P 0734053, 1406462)
Measurement Date May 12 - May 13, 2026
Measurement by Sawai Tonpho
Sound Level meter Serial No. 1120938

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	55.7	66.7	54.5
12:00 PM - 01:00 PM	56.2	82.9	54.6
01:00 PM - 02:00 PM	58.5	69.1	57.0
02:00 PM - 03:00 PM	58.8	66.1	57.5
03:00 PM - 04:00 PM	58.4	62.7	57.3
04:00 PM - 05:00 PM	58.5	76.9	57.5
05:00 PM - 06:00 PM	58.7	68.0	57.5
06:00 PM - 07:00 PM	58.0	69.1	56.2
07:00 PM - 08:00 PM	54.9	70.8	54.1
08:00 PM - 09:00 PM	55.5	71.4	54.9
09:00 PM - 10:00 PM	56.3	62.2	55.4
10:00 PM - 11:00 PM	55.8	69.6	54.8
11:00 PM - 12:00 AM	56.0	61.1	55.2
12:00 AM - 01:00 AM	55.5	59.3	55.0
01:00 AM - 02:00 AM	54.7	67.4	54.0
02:00 AM - 03:00 AM	54.5	61.7	54.0
03:00 AM - 04:00 AM	54.4	68.8	53.4
04:00 AM - 05:00 AM	53.9	57.4	53.2
05:00 AM - 06:00 AM	56.1	66.9	53.4
06:00 AM - 07:00 AM	54.8	79.1	53.7
07:00 AM - 08:00 AM	53.8	64.5	52.7
08:00 AM - 09:00 AM	53.2	61.4	52.4
09:00 AM - 10:00 AM	54.0	63.2	52.9
10:00 AM - 11:00 AM	53.5	70.0	52.5

Leq Average 24 hrs. (dB(A)) 56.2
Lmax (dB(A)) 82.9
L90 (dB(A)) 54.5
Ldn (dB(A)) 61.8

Standard (dB(A)) 70 115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chonticha Subongkoch
Scientist (3)

Approved by

Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location : TPE Site 3

Lot ID: 2632496

Date Received : May 18, 2026

Date Reported : May 22, 2026

Report Number: 3577589-1

Page 1 of 1

Sample Number 2632496-14
Parameter Noise (Leq 24 hrs.)
Location ด้านทิศตะวันออกของ SCG Chemicals Site#3 (GPS 47P 0734053, 1406462)
Measurement Date May 13 - May 14, 2026
Measurement by Sawai Tonpho
Sound Level meter Serial No. 1120938

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	55.7	88.1	53.1
12:00 PM - 01:00 PM	54.2	69.9	52.5
01:00 PM - 02:00 PM	53.2	67.1	52.2
02:00 PM - 03:00 PM	53.5	63.6	52.4
03:00 PM - 04:00 PM	53.6	61.8	52.5
04:00 PM - 05:00 PM	53.7	66.5	52.7
05:00 PM - 06:00 PM	53.9	66.5	53.0
06:00 PM - 07:00 PM	57.1	69.1	54.1
07:00 PM - 08:00 PM	54.9	64.0	54.0
08:00 PM - 09:00 PM	54.9	61.4	54.0
09:00 PM - 10:00 PM	56.3	61.1	55.0
10:00 PM - 11:00 PM	57.5	69.8	56.6
11:00 PM - 12:00 AM	57.7	61.2	56.7
12:00 AM - 01:00 AM	57.6	68.2	56.5
01:00 AM - 02:00 AM	58.3	69.6	56.7
02:00 AM - 03:00 AM	63.7	90.1	56.7
03:00 AM - 04:00 AM	71.3	98.4	59.7
04:00 AM - 05:00 AM	59.3	88.0	58.3
05:00 AM - 06:00 AM	58.7	67.2	57.1
06:00 AM - 07:00 AM	56.9	79.5	56.1
07:00 AM - 08:00 AM	56.7	64.5	55.8
08:00 AM - 09:00 AM	56.1	68.7	55.3
09:00 AM - 10:00 AM	56.1	64.2	54.9
10:00 AM - 11:00 AM	56.0	64.6	55.3

Leq Average 24 hrs. (dB(A)) 60.2
Lmax (dB(A)) 98.4
L90 (dB(A)) 55.0
Ldn (dB(A)) 69.4
Standard (dB(A)) 70 115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chonticha Subongkoch
Scientist (3)

Approved by

Supot Salamteh
Section Head



Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2632496

Date Received : May 18, 2026
Date Reported : May 22, 2026
Report Number: 3577590-1

Page 1 of 1

Sample Number 2632496-15
Parameter Noise (Leq 24 hrs.)
Location บ้านเมืองใหม่มาตาพูด หรือใกล้เคียง (GPS 47P 0734651, 1406341)
Measurement Date May 07 - May 08, 2026
Measurement by Sawai Tonpho
Sound Level meter Serial No. 296516

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	51.6	73.5	47.6
12:00 PM - 01:00 PM	48.5	63.4	46.6
01:00 PM - 02:00 PM	47.4	65.4	45.2
02:00 PM - 03:00 PM	44.3	60.0	41.0
03:00 PM - 04:00 PM	46.0	75.0	42.2
04:00 PM - 05:00 PM	48.9	66.4	42.5
05:00 PM - 06:00 PM	48.4	72.6	46.0
06:00 PM - 07:00 PM	57.9	72.4	47.4
07:00 PM - 08:00 PM	48.9	64.3	47.4
08:00 PM - 09:00 PM	48.0	60.5	46.0
09:00 PM - 10:00 PM	49.2	65.7	47.8
10:00 PM - 11:00 PM	49.2	65.7	47.5
11:00 PM - 12:00 AM	47.5	67.8	44.1
12:00 AM - 01:00 AM	44.5	61.4	42.4
01:00 AM - 02:00 AM	43.1	57.5	41.1
02:00 AM - 03:00 AM	45.0	57.5	42.9
03:00 AM - 04:00 AM	44.5	60.3	42.3
04:00 AM - 05:00 AM	43.8	60.1	41.4
05:00 AM - 06:00 AM	61.2	74.8	42.6
06:00 AM - 07:00 AM	47.4	65.3	43.5
07:00 AM - 08:00 AM	47.2	82.5	41.8
08:00 AM - 09:00 AM	45.7	62.8	41.9
09:00 AM - 10:00 AM	45.0	63.5	39.4
10:00 AM - 11:00 AM	43.3	63.1	38.9

Leq Average 24 hrs. (dB(A)) 51.1
Lmax (dB(A)) 82.5
L90 (dB(A)) 42.6
Ldn (dB(A)) 58.7

Standard (dB(A)) 70

115

Reference Method : ISO 1996-1 : 2016

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

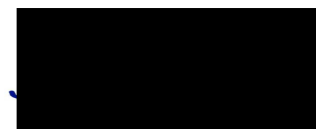
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management



Chonticha Subongkoch
Scientist (3)

Approved by



Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location : TPE Site 3

Lot ID: 2632496

Date Received : May 18, 2026

Date Reported : May 22, 2026

Report Number: 3577591-1

Page 1 of 1

Sample Number 2632496-16
Parameter Noise (Leq 24 hrs.)
Location บ้านเมืองใหม่มาตาพุด หรือใกล้เคียง (GPS 47P 0734651, 1406341)
Measurement Date May 08 - May 09, 2026
Measurement by Sawai Tonpho
Sound Level meter Serial No. 296516

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	44.1	63.2	39.0
12:00 PM - 01:00 PM	46.6	71.1	43.8
01:00 PM - 02:00 PM	47.0	57.8	45.4
02:00 PM - 03:00 PM	51.0	69.6	43.5
03:00 PM - 04:00 PM	47.6	61.2	45.1
04:00 PM - 05:00 PM	48.4	66.2	46.0
05:00 PM - 06:00 PM	47.7	64.4	44.1
06:00 PM - 07:00 PM	48.8	66.8	42.6
07:00 PM - 08:00 PM	46.6	61.6	45.2
08:00 PM - 09:00 PM	46.4	57.3	44.8
09:00 PM - 10:00 PM	48.2	72.7	45.1
10:00 PM - 11:00 PM	46.9	64.8	45.7
11:00 PM - 12:00 AM	45.4	60.9	43.4
12:00 AM - 01:00 AM	46.2	55.0	44.7
01:00 AM - 02:00 AM	45.9	58.2	44.9
02:00 AM - 03:00 AM	46.0	62.1	44.8
03:00 AM - 04:00 AM	46.1	58.7	45.0
04:00 AM - 05:00 AM	46.6	52.1	45.6
05:00 AM - 06:00 AM	48.5	63.1	44.8
06:00 AM - 07:00 AM	47.0	59.9	45.3
07:00 AM - 08:00 AM	47.8	72.2	43.4
08:00 AM - 09:00 AM	44.6	65.1	41.2
09:00 AM - 10:00 AM	43.4	63.0	38.9
10:00 AM - 11:00 AM	42.8	65.8	37.1

Leq Average 24 hrs. (dB(A)) 47.0
Lmax (dB(A)) 72.7
L90 (dB(A)) 44.8
Ldn (dB(A)) 53.1

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chonticha Subongkoch
Scientist (3)

Approved by

Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2632496

Date Received : May 18, 2026
Date Reported : May 22, 2026
Report Number: 3577592-1

Page 1 of 1

Sample Number 2632496-17
Parameter Noise (Leq 24 hrs.)
Location บ้านเมืองใหม่มาตาพูด หรือใกล้เคียง (GPS 47P 0734651, 1406341)
Measurement Date May 09 - May 10, 2026
Measurement by Sawai Tonpho
Sound Level meter Serial No. 296516

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	48.5	81.2	38.9
12:00 PM - 01:00 PM	44.4	64.2	40.9
01:00 PM - 02:00 PM	45.0	69.0	41.9
02:00 PM - 03:00 PM	45.7	58.5	43.5
03:00 PM - 04:00 PM	48.3	73.7	44.5
04:00 PM - 05:00 PM	47.8	58.3	45.9
05:00 PM - 06:00 PM	49.2	71.9	46.2
06:00 PM - 07:00 PM	50.2	62.1	46.6
07:00 PM - 08:00 PM	48.6	60.0	46.8
08:00 PM - 09:00 PM	50.2	61.6	47.1
09:00 PM - 10:00 PM	52.7	69.2	49.1
10:00 PM - 11:00 PM	50.6	65.1	47.2
11:00 PM - 12:00 AM	49.5	64.4	46.2
12:00 AM - 01:00 AM	46.9	61.1	45.1
01:00 AM - 02:00 AM	47.5	62.5	45.8
02:00 AM - 03:00 AM	47.5	55.7	45.9
03:00 AM - 04:00 AM	47.7	57.9	45.4
04:00 AM - 05:00 AM	49.0	62.5	46.8
05:00 AM - 06:00 AM	56.5	68.4	43.2
06:00 AM - 07:00 AM	48.0	69.5	42.7
07:00 AM - 08:00 AM	43.8	68.3	38.7
08:00 AM - 09:00 AM	41.9	61.8	37.9
09:00 AM - 10:00 AM	43.0	56.0	39.1
10:00 AM - 11:00 AM	52.5	77.0	42.6

Leq Average 24 hrs. (dB(A)) 49.4
Lmax (dB(A)) 81.2
L90 (dB(A)) 45.1
Ldn (dB(A)) 56.7

Standard (dB(A)) 70 115

Reference Method : ISO 1996-1 : 2016

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

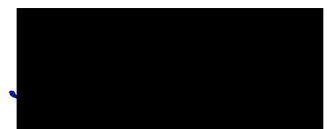
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management



Chonticha Subongkoch
Scientist (3)

Approved by



Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location : TPE Site 3

Lot ID: 2632496

Date Received : May 18, 2026

Date Reported : May 22, 2026

Report Number: 3577593-1

Page 1 of 1

Sample Number 2632496-18
Parameter Noise (Leq 24 hrs.)
Location บ้านเมืองใหม่มาตาพูด หรือใกล้เคียง (GPS 47P 0734651, 1406341)
Measurement Date May 10 - May 11, 2026
Measurement by Sawai Tonpho
Sound Level meter Serial No. 296516

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	46.1	66.8	43.1
12:00 PM - 01:00 PM	47.3	69.5	44.3
01:00 PM - 02:00 PM	47.9	67.7	45.7
02:00 PM - 03:00 PM	51.3	85.5	46.7
03:00 PM - 04:00 PM	49.9	74.6	46.0
04:00 PM - 05:00 PM	47.6	72.1	43.2
05:00 PM - 06:00 PM	46.1	70.2	41.5
06:00 PM - 07:00 PM	48.5	64.9	44.2
07:00 PM - 08:00 PM	48.2	60.6	44.8
08:00 PM - 09:00 PM	52.0	63.5	48.4
09:00 PM - 10:00 PM	50.6	63.3	47.6
10:00 PM - 11:00 PM	54.8	81.3	49.7
11:00 PM - 12:00 AM	55.5	81.8	47.4
12:00 AM - 01:00 AM	54.4	83.5	51.2
01:00 AM - 02:00 AM	52.8	60.6	50.6
02:00 AM - 03:00 AM	48.2	61.1	46.1
03:00 AM - 04:00 AM	45.9	61.3	44.8
04:00 AM - 05:00 AM	46.9	60.3	45.8
05:00 AM - 06:00 AM	47.2	62.2	44.7
06:00 AM - 07:00 AM	48.0	67.9	45.2
07:00 AM - 08:00 AM	47.9	72.7	43.6
08:00 AM - 09:00 AM	42.9	64.5	39.3
09:00 AM - 10:00 AM	42.8	61.7	39.0
10:00 AM - 11:00 AM	43.8	61.9	40.3

Leq Average 24 hrs. (dB(A)) 50.0
Lmax (dB(A)) 85.5
L90 (dB(A)) 44.8
Ldn (dB(A)) 57.9

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chonticha Subongkoch
Scientist (3)

Approved by

Supot Salamteh
Section Head



Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location : TPE Site 3

Lot ID: 2632496

Date Received : May 18, 2026

Date Reported : May 22, 2026

Report Number: 3577594-1

Page 1 of 1

Sample Number 2632496-19
Parameter Noise (Leq 24 hrs.)
Location บ้านเมืองใหม่มาตาพุด หรือใกล้เคียง (GPS 47P 0734651, 1406341)
Measurement Date May 11 - May 12, 2026
Measurement by Sawai Tonpho
Sound Level meter Serial No. 296516

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	44.2	58.3	41.4
12:00 PM - 01:00 PM	44.3	60.9	42.1
01:00 PM - 02:00 PM	44.8	71.2	41.6
02:00 PM - 03:00 PM	45.1	69.2	42.3
03:00 PM - 04:00 PM	46.1	61.8	43.8
04:00 PM - 05:00 PM	48.2	62.2	45.4
05:00 PM - 06:00 PM	50.2	80.4	47.0
06:00 PM - 07:00 PM	48.9	73.7	46.8
07:00 PM - 08:00 PM	49.7	65.0	46.7
08:00 PM - 09:00 PM	55.1	63.4	50.4
09:00 PM - 10:00 PM	54.8	65.0	49.8
10:00 PM - 11:00 PM	51.9	62.5	47.5
11:00 PM - 12:00 AM	52.0	62.5	48.4
12:00 AM - 01:00 AM	48.3	71.6	46.1
01:00 AM - 02:00 AM	47.4	59.8	42.2
02:00 AM - 03:00 AM	50.2	76.1	45.3
03:00 AM - 04:00 AM	54.4	83.5	51.2
04:00 AM - 05:00 AM	57.4	72.2	55.9
05:00 AM - 06:00 AM	60.0	82.8	57.5
06:00 AM - 07:00 AM	58.0	75.6	56.0
07:00 AM - 08:00 AM	55.7	74.7	54.1
08:00 AM - 09:00 AM	51.1	61.0	47.5
09:00 AM - 10:00 AM	48.5	68.4	44.1
10:00 AM - 11:00 AM	46.9	58.8	43.1

Leq Average 24 hrs. (dB(A)) 53.0
Lmax (dB(A)) 83.5
L90 (dB(A)) 46.7
Ldn (dB(A)) 61.2

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chonticha Subongkoch
Scientist (3)

Approved by

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Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location : TPE Site 3

Lot ID: 2632496

Date Received : May 18, 2026

Date Reported : May 22, 2026

Report Number: 3577595-1

Page 1 of 1

Sample Number 2632496-20
Parameter Noise (Leq 24 hrs.)
Location บ้านเมืองใหม่มาตาพุด หรือใกล้เคียง (GPS 47P 0734651, 1406341)
Measurement Date May 12 - May 13, 2026
Measurement by Sawai Tonpho
Sound Level meter Serial No. 296516

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	46.0	72.7	41.0
12:00 PM - 01:00 PM	45.4	65.6	42.5
01:00 PM - 02:00 PM	47.4	61.6	45.6
02:00 PM - 03:00 PM	49.4	69.8	46.4
03:00 PM - 04:00 PM	48.8	66.7	46.1
04:00 PM - 05:00 PM	49.9	73.2	46.9
05:00 PM - 06:00 PM	50.3	66.3	48.5
06:00 PM - 07:00 PM	52.7	69.7	49.0
07:00 PM - 08:00 PM	52.4	63.5	49.7
08:00 PM - 09:00 PM	55.8	64.9	53.6
09:00 PM - 10:00 PM	57.8	66.6	55.8
10:00 PM - 11:00 PM	56.8	66.6	54.9
11:00 PM - 12:00 AM	56.4	63.3	54.4
12:00 AM - 01:00 AM	55.0	62.3	53.6
01:00 AM - 02:00 AM	53.1	63.9	51.3
02:00 AM - 03:00 AM	50.5	59.6	49.0
03:00 AM - 04:00 AM	48.7	55.2	45.1
04:00 AM - 05:00 AM	43.9	55.4	40.8
05:00 AM - 06:00 AM	50.2	63.9	43.8
06:00 AM - 07:00 AM	51.2	77.9	44.4
07:00 AM - 08:00 AM	47.9	67.6	42.0
08:00 AM - 09:00 AM	48.1	77.1	41.8
09:00 AM - 10:00 AM	44.5	64.0	41.8
10:00 AM - 11:00 AM	45.1	61.8	42.8

Leq Average 24 hrs. (dB(A)) 52.1
Lmax (dB(A)) 77.9
L90 (dB(A)) 46.1
Ldn (dB(A)) 59.4

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chonticha Subongkoch
Scientist (3)

Approved by

Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location : TPE Site 3

Lot ID: 2632496

Date Received : May 18, 2026

Date Reported : May 22, 2026

Report Number: 3577596-1

Page 1 of 1

Sample Number 2632496-21
Parameter Noise (Leq 24 hrs.)
Location บ้านเมืองใหม่มาตาพูด หรือใกล้เคียง (GPS 47P 0734651, 1406341)
Measurement Date May 13 - May 14, 2026
Measurement by Sawai Tonpho
Sound Level meter Serial No. 296516

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	47.4	73.8	43.6
12:00 PM - 01:00 PM	47.0	64.2	43.8
01:00 PM - 02:00 PM	45.2	63.1	42.9
02:00 PM - 03:00 PM	46.0	65.8	42.8
03:00 PM - 04:00 PM	47.7	72.1	43.4
04:00 PM - 05:00 PM	47.5	67.0	44.5
05:00 PM - 06:00 PM	47.0	59.8	44.9
06:00 PM - 07:00 PM	53.1	62.1	46.9
07:00 PM - 08:00 PM	49.4	60.4	47.0
08:00 PM - 09:00 PM	49.9	59.2	47.7
09:00 PM - 10:00 PM	49.9	68.5	48.1
10:00 PM - 11:00 PM	49.8	64.7	47.5
11:00 PM - 12:00 AM	49.5	60.5	47.3
12:00 AM - 01:00 AM	48.1	69.8	46.3
01:00 AM - 02:00 AM	49.4	62.9	47.1
02:00 AM - 03:00 AM	64.6	76.8	49.2
03:00 AM - 04:00 AM	65.5	78.6	57.5
04:00 AM - 05:00 AM	57.6	61.5	55.8
05:00 AM - 06:00 AM	55.2	62.3	51.6
06:00 AM - 07:00 AM	50.4	62.8	47.7
07:00 AM - 08:00 AM	48.9	69.8	45.7
08:00 AM - 09:00 AM	45.6	74.6	41.8
09:00 AM - 10:00 AM	42.8	60.5	39.2
10:00 AM - 11:00 AM	44.9	64.6	41.7

Leq Average 24 hrs. (dB(A)) 55.6
Lmax (dB(A)) 78.6
L90 (dB(A)) 46.3
Ldn (dB(A)) 65.2

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chonticha Subongkoch
Scientist (3)

Approved by

Supot Salamteh
Section Head

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ระดับเสียงเฉลี่ยตลอดเวลาการทำงาน



Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location : HDPE3

Lot ID: 265750

Date Received : Feb 13, 2026

Date Reported : Feb 19, 2026

Report Number: 3511535-1

Page 1 of 1

Sample Number 265750-1
Parameter Noise (Leq 12 hrs.)
Location หน่วยกลั่น/Pump
Measurement Date Feb 12, 2026
Measurement by Nantawat Sarin

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:29 AM - 09:29 AM	80.7	82.3	80.4
09:29 AM - 10:29 AM	80.3	81.0	80.1
10:29 AM - 11:29 AM	80.1	80.9	80.0
11:29 AM - 12:29 PM	80.1	81.0	79.9
12:29 PM - 01:29 PM	80.2	80.9	80.0
01:29 PM - 02:29 PM	80.1	82.2	79.9
02:29 PM - 03:29 PM	80.1	80.9	79.9
03:29 PM - 04:29 PM	80.2	81.8	80.0
04:29 PM - 05:29 PM	80.3	81.5	80.1
05:29 PM - 06:29 PM	80.7	83.5	80.3
06:29 PM - 07:29 PM	80.7	82.8	80.5
07:29 PM - 08:29 PM	81.0	81.9	80.8
Leq Average 12 hrs. (dB(A))	80.4		
Lmax (dB(A))		83.5	
Standard (dB(A))	87	140	
Reference Method : ISO 1996-1 : 2016			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖			

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location : HDPE3

Lot ID: 265750

Date Received : Feb 13, 2026

Date Reported : Feb 19, 2026

Report Number: 3511536-1

Page 1 of 1

Sample Number 265750-2
Parameter Noise (Leq 12 hrs.)
Location Pelletizer
Measurement Date Feb 12, 2026
Measurement by Nantawat Sarin

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:01 AM - 10:01 AM	84.3	97.7	81.7
10:01 AM - 11:01 AM	81.8	86.4	81.1
11:01 AM - 12:01 PM	81.7	86.2	81.0
12:01 PM - 01:01 PM	81.6	86.6	80.9
01:01 PM - 02:01 PM	82.0	87.4	80.9
02:01 PM - 03:01 PM	83.3	87.5	80.8
03:01 PM - 04:01 PM	81.4	86.7	80.7
04:01 PM - 05:01 PM	81.9	86.5	81.2
05:01 PM - 06:01 PM	82.2	86.8	81.6
06:01 PM - 07:01 PM	83.5	88.3	82.2
07:01 PM - 08:01 PM	81.7	87.1	80.6
08:01 PM - 09:01 PM	83.8	97.2	81.2

Leq Average 12 hrs. (dB(A))

82.5

Lmax (dB(A))

97.7

Standard (dB(A))

87

140

Reference Method : ISO 1996-1 : 2016

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย

ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location : HDPE3

Lot ID: 265750

Date Received : Feb 13, 2026

Date Reported : Feb 19, 2026

Report Number: 3511537-1

Page 1 of 1

Sample Number 265750-3
Parameter Noise (Leq 12 hrs.)
Location Compressor
Measurement Date Feb 12, 2026
Measurement by Nantawat Sarin

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:30 AM - 09:30 AM	80.6	82.2	78.8
09:30 AM - 10:30 AM	81.0	82.6	80.7
10:30 AM - 11:30 AM	80.1	81.3	79.9
11:30 AM - 12:30 PM	80.5	82.6	80.3
12:30 PM - 01:30 PM	80.4	81.3	80.2
01:30 PM - 02:30 PM	80.5	81.4	80.3
02:30 PM - 03:30 PM	80.8	82.4	80.5
03:30 PM - 04:30 PM	80.4	82.5	80.2
04:30 PM - 05:30 PM	80.8	82.4	80.6
05:30 PM - 06:30 PM	80.9	81.6	80.7
06:30 PM - 07:30 PM	80.9	81.6	80.7
07:30 PM - 08:30 PM	80.8	82.4	80.6

Leq Average 12 hrs. (dB(A))

80.6

Lmax (dB(A))

82.6

Standard (dB(A))

87

140

Reference Method : ISO 1996-1 : 2016

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย

ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location : HDPE3

Lot ID: 265750

Date Received : Feb 13, 2026

Date Reported : Feb 19, 2026

Report Number: 3511538-1

Page 1 of 1

Sample Number 265750-4
Parameter Noise (Leq 12 hrs.)
Location Reactor
Measurement Date Feb 12, 2026
Measurement by Nantawat Sarin

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:30 AM - 09:30 AM	83.5	84.5	83.2
09:30 AM - 10:30 AM	83.0	83.6	82.8
10:30 AM - 11:30 AM	82.3	83.1	81.6
11:30 AM - 12:30 PM	81.6	82.5	81.2
12:30 PM - 01:30 PM	81.3	82.0	81.2
01:30 PM - 02:30 PM	81.2	81.8	81.0
02:30 PM - 03:30 PM	81.0	81.7	80.9
03:30 PM - 04:30 PM	81.1	81.8	81.0
04:30 PM - 05:30 PM	81.3	82.4	81.1
05:30 PM - 06:30 PM	83.6	84.9	82.1
06:30 PM - 07:30 PM	82.6	83.3	82.5
07:30 PM - 08:30 PM	82.8	83.6	82.1
Leq Average 12 hrs. (dB(A))	82.2		
Lmax (dB(A))		84.9	
Standard (dB(A))	87	140	
Reference Method : ISO 1996-1 : 2016			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖			

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Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location : HDPE3

Lot ID: 265750

Date Received : Feb 13, 2026

Date Reported : Feb 19, 2026

Report Number: 3511539-1

Page 1 of 1

Sample Number 265750-5
Parameter Noise (Leq 12 hrs.)
Location Spray Cooler
Measurement Date Feb 12, 2026
Measurement by Nantawat Sarin

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:31 AM - 09:31 AM	83.8	84.7	83.5
09:31 AM - 10:31 AM	83.3	85.2	83.0
10:31 AM - 11:31 AM	83.5	84.3	83.2
11:31 AM - 12:31 PM	83.5	84.3	83.3
12:31 PM - 01:31 PM	83.7	84.5	83.4
01:31 PM - 02:31 PM	83.7	84.5	83.5
02:31 PM - 03:31 PM	83.8	84.6	83.5
03:31 PM - 04:31 PM	83.8	86.9	83.5
04:31 PM - 05:31 PM	83.7	84.4	83.5
05:31 PM - 06:31 PM	83.9	85.1	83.4
06:31 PM - 07:31 PM	83.6	84.4	83.4
07:31 PM - 08:31 PM	83.5	84.4	83.2
Leq Average 12 hrs. (dB(A))	83.7		
Lmax (dB(A))		86.9	
Standard (dB(A))	87	140	
Reference Method : ISO 1996-1 : 2016			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖			

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location : HDPE3

Lot ID: 2632505

Date Received : May 22, 2026
Date Reported : May 28, 2026
Report Number: 3583913-1

Page 1 of 1

Sample Number 2632505-1
Parameter Noise (Leq 12 hrs.)
Location หน่วยกลั่น/Pump
Measurement Date May 20, 2026
Measurement by Nattakarn Vonginyoo

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	77.1	79.9	77.0
09:00 AM - 10:00 AM	77.3	80.1	77.2
10:00 AM - 11:00 AM	77.2	78.6	77.1
11:00 AM - 12:00 PM	78.0	95.3	76.8
12:00 PM - 01:00 PM	77.0	78.0	76.8
01:00 PM - 02:00 PM	77.1	79.0	76.8
02:00 PM - 03:00 PM	77.1	78.3	76.9
03:00 PM - 04:00 PM	77.3	78.4	77.1
04:00 PM - 05:00 PM	77.2	78.1	77.0
05:00 PM - 06:00 PM	77.3	82.1	77.0
06:00 PM - 07:00 PM	77.2	80.0	77.1
07:00 PM - 08:00 PM	77.4	80.2	77.3
Leq Average 12 hrs. (dB(A))	77.3		
Lmax (dB(A))		95.3	
Standard (dB(A))	87	140	
Reference Method : ISO 1996-1 : 2016			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖			

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location : HDPE3

Lot ID: 2632505

Date Received : May 22, 2026

Date Reported : May 28, 2026

Report Number: 3583914-1

Page 1 of 1

Sample Number 2632505-2
Parameter Noise (Leq 12 hrs.)
Location Pelletizer
Measurement Date May 20, 2026
Measurement by Nattakarn Vonginyoo

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	81.8	90.1	81.0
09:00 AM - 10:00 AM	81.5	83.9	81.1
10:00 AM - 11:00 AM	81.3	89.8	80.8
11:00 AM - 12:00 PM	81.3	83.8	80.7
12:00 PM - 01:00 PM	81.2	83.6	80.7
01:00 PM - 02:00 PM	81.2	84.0	80.7
02:00 PM - 03:00 PM	81.3	83.6	80.8
03:00 PM - 04:00 PM	81.2	83.8	80.7
04:00 PM - 05:00 PM	81.5	83.7	80.9
05:00 PM - 06:00 PM	81.5	90.0	81.0
06:00 PM - 07:00 PM	81.3	84.1	80.8
07:00 PM - 08:00 PM	81.2	83.6	80.8
Leq Average 12 hrs. (dB(A))	81.4		
Lmax (dB(A))		90.1	
Standard (dB(A))	87	140	
Reference Method : ISO 1996-1 : 2016			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖			

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location : HDPE3

Lot ID: 2632505

Date Received : May 22, 2026

Date Reported : May 28, 2026

Report Number: 3583915-1

Page 1 of 1

Sample Number 2632505-3
Parameter Noise (Leq 12 hrs.)
Location Compressor
Measurement Date May 20, 2026
Measurement by Nattakarn Vonginyoo

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	82.2	84.0	81.3
09:00 AM - 10:00 AM	83.3	86.0	81.3
10:00 AM - 11:00 AM	83.8	86.0	82.6
11:00 AM - 12:00 PM	82.1	90.8	80.1
12:00 PM - 01:00 PM	84.9	86.2	84.3
01:00 PM - 02:00 PM	83.1	85.4	79.6
02:00 PM - 03:00 PM	83.4	85.3	79.8
03:00 PM - 04:00 PM	80.9	84.0	80.3
04:00 PM - 05:00 PM	81.9	83.2	80.7
05:00 PM - 06:00 PM	82.2	83.3	80.9
06:00 PM - 07:00 PM	82.4	84.2	81.5
07:00 PM - 08:00 PM	83.5	86.2	81.5
Leq Average 12 hrs. (dB(A))	82.9		
Lmax (dB(A))		90.8	
Standard (dB(A))	87	140	
Reference Method : ISO 1996-1 : 2016			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖			

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location : HDPE3

Lot ID: 2632505

Date Received : May 22, 2026

Date Reported : May 28, 2026

Report Number: 3583916-1

Page 1 of 1

Sample Number 2632505-4
Parameter Noise (Leq 12 hrs.)
Location Reactor
Measurement Date May 20, 2026
Measurement by Nattakarn Vonginyoo

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	81.3	82.1	81.2
09:00 AM - 10:00 AM	81.6	82.6	81.2
10:00 AM - 11:00 AM	82.0	82.9	81.8
11:00 AM - 12:00 PM	81.7	92.5	81.2
12:00 PM - 01:00 PM	81.4	82.1	81.2
01:00 PM - 02:00 PM	81.4	82.2	81.3
02:00 PM - 03:00 PM	81.5	82.3	81.4
03:00 PM - 04:00 PM	81.7	82.3	81.6
04:00 PM - 05:00 PM	81.8	82.4	81.6
05:00 PM - 06:00 PM	81.4	82.2	81.3
06:00 PM - 07:00 PM	81.7	82.7	81.3
07:00 PM - 08:00 PM	82.1	83.0	81.9
Leq Average 12 hrs. (dB(A))	81.6		
Lmax (dB(A))		92.5	
Standard (dB(A))	87	140	
Reference Method : ISO 1996-1 : 2016			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖			

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location : HDPE3

Lot ID: 2632505

Date Received : May 22, 2026

Date Reported : May 28, 2026

Report Number: 3583917-1

Page 1 of 1

Sample Number 2632505-5
Parameter Noise (Leq 12 hrs.)
Location Spray Cooler
Measurement Date May 20, 2026
Measurement by Nattakarn Vonginyoo

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	82.3	85.8	82.1
09:00 AM - 10:00 AM	82.3	84.2	82.1
10:00 AM - 11:00 AM	82.2	83.0	81.9
11:00 AM - 12:00 PM	82.1	89.6	81.8
12:00 PM - 01:00 PM	82.3	83.1	82.0
01:00 PM - 02:00 PM	82.2	83.0	81.9
02:00 PM - 03:00 PM	82.3	83.1	82.0
03:00 PM - 04:00 PM	82.4	83.2	82.1
04:00 PM - 05:00 PM	82.5	83.4	82.3
05:00 PM - 06:00 PM	82.6	83.5	82.3
06:00 PM - 07:00 PM	82.4	85.9	82.2
07:00 PM - 08:00 PM	82.4	84.3	82.2

Leq Average 12 hrs. (dB(A))

82.3

Lmax (dB(A))

89.6

Standard (dB(A))

87

140

Reference Method : ISO 1996-1 : 2016

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย

ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖

Technical Management

Chonticha Subongkoch
Scientist (3)

Approved by

Supot Salamteh
Section Head

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ระดับเสียงที่ลูกจ้างได้รับเฉลี่ยตลอดเวลาการทำงานในแต่ละวัน
(Time Weighted Average-TWA)



Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location : HDPE3

Lot ID: 265906

Date Received : Feb 13, 2026

Date Reported : Feb 18, 2026

Report Number : 3491582-1

Page 1 of 3

Sample Number 265906-1
Sampled Date Feb 12, 2026
Sample Description Noise Dose
Location HDPE 3 Section 5700
Personal Sampling คุณวราวุฒิ ปาละณี
Date Analysis Commenced Feb 17, 2026

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Noise Dose (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	%	-	1	15.8	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
Noise Dose (8 hrs.)	08:00 AM - 08:00 PM	%	-	1	14.8	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
TWA (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	dB(A)	-	-	75.0	83*	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
TWA (8 hrs.)	08:00 AM - 08:00 PM	dB(A)	-	-	76.7	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong

Guideline :

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

Sampled By : Patinya Pantongta

Remark :

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

Approved by

Supot Salamteh
Section Head

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location : HDPE3

Lot ID: 265906

Date Received : Feb 13, 2026

Date Reported : Feb 18, 2026

Report Number : 3491582-1

Page 2 of 3

Sample Number 265906-2
Sampled Date Feb 12, 2026
Sample Description Noise Dose
Location HDPE 3 Section 5400
Personal Sampling คุณนิภัทร์ กันทะเสน
Date Analysis Commenced Feb 17, 2026

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Noise Dose (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	%	-	1	85.1	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
Noise Dose (8 hrs.)	08:00 AM - 08:00 PM	%	-	1	81.3	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
TWA (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	dB(A)	-	-	82.3	83*	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
TWA (8 hrs.)	08:00 AM - 08:00 PM	dB(A)	-	-	84.1	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong

Guideline :

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

Sampled By : Patinya Pantongta

Remark :

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

Approved by



Supot Salamteh
Section Head

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location : HDPE3

Lot ID: 265906

Date Received : Feb 13, 2026
Date Reported : Feb 18, 2026
Report Number : 3491582-1

Page 3 of 3

Sample Number : 265906-3
Sampled Date : Feb 12, 2026
Sample Description : Noise Dose
Location : HDPE 3 Section 5200
Personal Sampling : คุณธนวัฒน์ อาทรรธรรมสาร
Date Analysis Commenced : Feb 17, 2026

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Noise Dose (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	%	-	1	2.3	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
Noise Dose (8 hrs.)	08:00 AM - 08:00 PM	%	-	1	2.1	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
TWA (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	dB(A)	-	-	66.6	83*	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
TWA (8 hrs.)	08:00 AM - 08:00 PM	dB(A)	-	-	68.3	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong

Guideline :

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

Sampled By : Patinya Pantongta

Remark :

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

Approved by



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Section Head

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location : HDPE3

Lot ID: 2632506

Date Received : May 22, 2026

Date Reported : May 28, 2026

Report Number : 3552044-1

Page 1 of 3

Sample Number 2632506-1
Sampled Date May 20, 2026
Sample Description Noise Dose
Location HDPE 3 Section 5700
Personal Sampling คุณวราวุฒิ ปาละณี
Date Analysis Commenced May 27, 2026

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Noise Dose (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	%	-	1	29.5	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
Noise Dose (8 hrs.)	08:00 AM - 08:00 PM	%	-	1	27.5	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
TWA (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	dB(A)	-	-	77.7	83*	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
TWA (8 hrs.)	08:00 AM - 08:00 PM	dB(A)	-	-	79.4	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong

Guideline :

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

Sampled By : Nattakarn Vonginyoo

Remark :

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

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Supot Salamteh
Section Head

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location : HDPE3

Lot ID: 2632506

Date Received : May 22, 2026

Date Reported : May 28, 2026

Report Number : 3552044-1

Page 3 of 3

Sample Number 2632506-3
Sampled Date May 20, 2026
Sample Description Noise Dose
Location HDPE 3 Section 5200
Personal Sampling คุณธีรพงษ์ บ้านเนิน
Date Analysis Commenced May 27, 2026

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Noise Dose (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	%	-	1	36.3	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
Noise Dose (8 hrs.)	08:00 AM - 08:00 PM	%	-	1	33.9	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
TWA (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	dB(A)	-	-	78.6	83*	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
TWA (8 hrs.)	08:00 AM - 08:00 PM	dB(A)	-	-	80.3	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong

Guideline :

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

Sampled By : Nattakarn Vonginyoo

Remark :

- LOD : Limit of Detection
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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location : HDPE3

Lot ID: 2649862

Date Received : Jun 19, 2026

Date Reported : Jun 22, 2026

Report Number : 3591768-1

Page 1 of 1

Sample Number 2649862-1
Sampled Date Jun 17, 2026
Sample Description Noise Dose
Location HDPE 3 Section 5400
Personal Sampling คุณสร้อย สุวรรณทวี
Date Analysis Commenced Jun 22, 2026

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Noise Dose (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	%	-	1	67.6	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
Noise Dose (8 hrs.)	08:00 AM - 08:00 PM	%	-	1	63.1	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
TWA (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	dB(A)	-	-	81.3	83*	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
TWA (8 hrs.)	08:00 AM - 08:00 PM	dB(A)	-	-	83.0	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong

Guideline :

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

Sampled By : Nattakarn Vonginyoo

Remark :

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

Approved by

Supot Salamteh
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แผนผังแสดงระดับเสียง (Noise Contour Map)

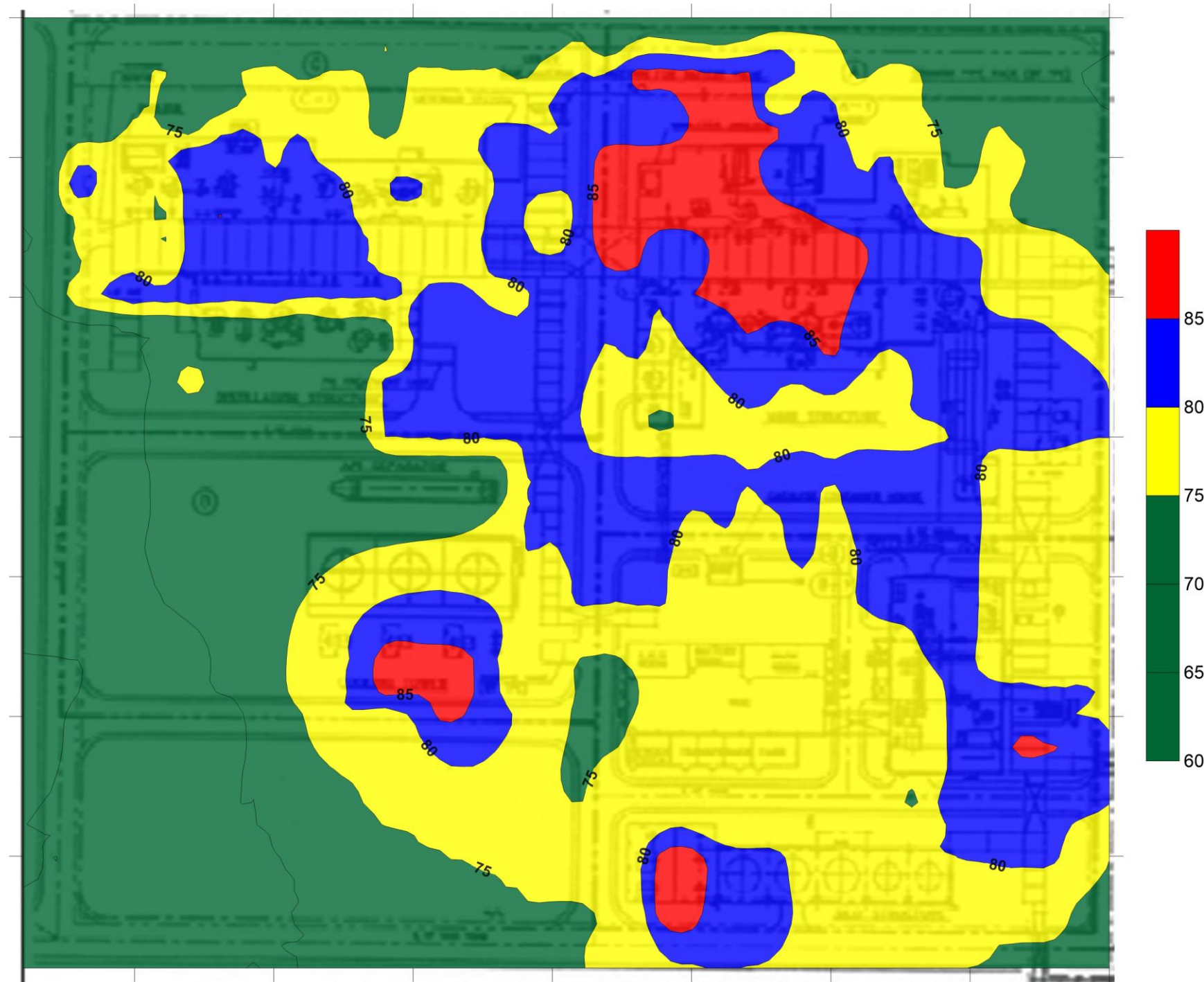


Noise Contour Map

Thai Polyethylene Co., Ltd. (HDPE3 Plant)

Reference Number : Lot 2632513-1

Measurement Date : May 19, 2026



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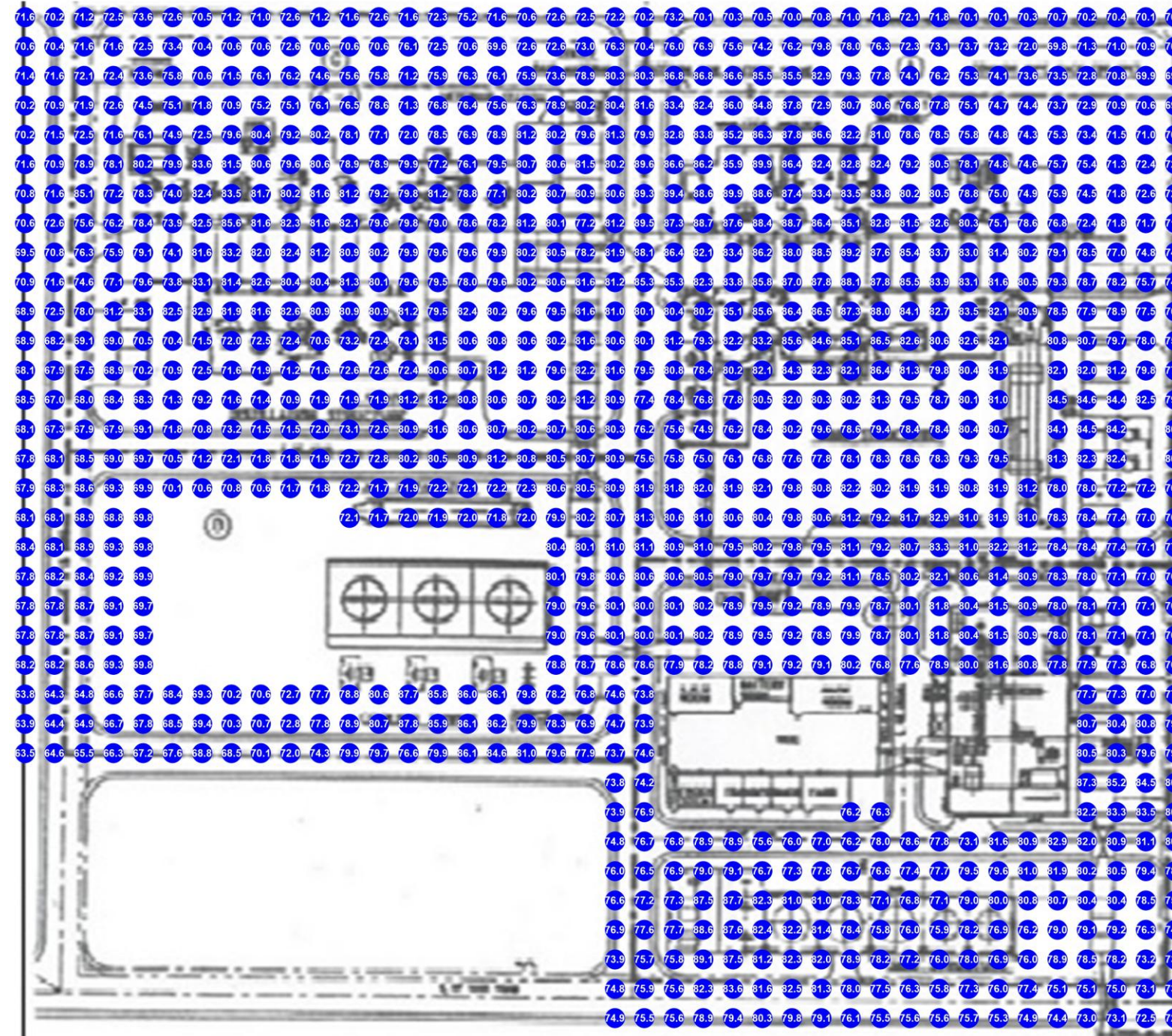


Noise Contour Map

Thai Polyethylene Co., Ltd. (HDPE3 Plant)

Reference Number : Lot 2632513-1

Measurement Date : May 19, 2026



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



Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location :

Lot ID: 265743

Date Received : Feb 13, 2026
Date Reported : Feb 25, 2026
Report Number : 3491297-1

Page 1 of 4

Sample Number : 265743-1
Sampled Date : Feb 12, 2026
Sample Description : Air Quality
Location : บริเวณ Hexane Recovery Unit
Date Analysis Commenced : Feb 16, 2026
Condition of Sample : Drawn into one sorbent tube, refrigerated
Barometric Pressure : 758 mmHg
Atmospheric Temperature : 28.6 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
n-Hexane *	09:00 AM - 11:00 AM	ppm	-	0.03	0.06	500	NIOSH (2003), 1500	MOL	Bangkok

Guideline :

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

Sampled By : Nantawat Sarin

Remark :

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

Approved by



Scientist (4)

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location :

Lot ID: 265743

Date Received : Feb 13, 2026
Date Reported : Feb 25, 2026
Report Number : 3491297-1

Page 2 of 4

Sample Number 265743-2
Sampled Date Feb 12, 2026
Sample Description Air Quality
Location หน่วยกมลันแยกเสกเซินและบิวทีน-1
Date Analysis Commenced Feb 16, 2026
Condition of Sample Drawn into one 10-L air sampling bag and one sorbent tube, refrigerated
Barometric Pressure 758 mmHg
Atmospheric Temperature 28.6 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1-Butene *	09:00 AM - 11:00 AM	ppm	-	1.0	<1.0	250	Based on ASTM, D2712-18	MOL	Bangkok
n-Hexane *	09:00 AM - 11:00 AM	ppm	-	0.03	0.18	500	NIOSH (2003), 1500	MOL	Bangkok

Guideline :

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

Sampled By : Nantawat Sarin

Remark :

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Approved by

Thanita Kulsuriwong
Scientist (4)

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location :

Lot ID: 265743

Date Received : Feb 13, 2026
Date Reported : Feb 25, 2026
Report Number : 3491297-1

Page 3 of 4

Sample Number : 265743-3
Sampled Date : Feb 12, 2026
Sample Description : Air Quality
Location : บริเวณ Preheater
Date Analysis Commenced : Feb 16, 2026
Condition of Sample : Drawn into one 10-L air sampling bag
Barometric Pressure : 758 mmHg
Atmospheric Temperature : 28.6 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1-Butene *	09:00 AM - 11:00 AM	ppm	-	1.0	<1.0	250	Based on ASTM, D2712-18	MOL	Bangkok
Ethylene *	09:00 AM - 11:00 AM	ppm	-	1.0	<1.0	200	Based on ASTM, D 2712-18	ACGIH	Bangkok

Guideline :

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

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

Sampled By : Nantawat Sarin

Remark :

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

Thanita Kulsuriwong
Scientist (4)

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location :

Lot ID: 265743

Date Received : Feb 13, 2026
Date Reported : Feb 25, 2026
Report Number : 3491297-1

Page 4 of 4

Sample Number 265743-4
Sampled Date Feb 12, 2026
Sample Description Air Quality
Location บริเวณแผนกบรรจุเม็ดพลาสติก (Bagging)
Date Analysis Commenced Feb 13, 2026
Condition of Sample Drawn into one filter paper placed in plastic cassette
Barometric Pressure 758 mmHg
Atmospheric Temperature 28.9 °C

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

Guideline :

OSHA : Occupational Safety and Health Administration

Sampled By : Nantawat Sarin

Remark :

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

Approved by

Thanita Kulsuriwong
Scientist (4)

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location :

Lot ID: 2632498

Date Received : May 22, 2026

Date Reported : May 30, 2026

Report Number : 3552035-1

Page 1 of 4

Sample Number 2632498-1
Sampled Date May 20, 2026
Sample Description Air Quality
Location บริเวณ Hexane Recovery Unit
Date Analysis Commenced May 27, 2026
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 750 mmHg
Atmospheric Temperature 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
n-Hexane	08:30 AM - 10:30 AM	ppm	-	0.03	0.34	500	NIOSH (2003), 1500	MOL	Bangkok

Guideline :

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

Sampled By : Nattakarn Vonginyoo

Remark :

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

Approved by

Orawan Rakyong
Scientist (3)

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



Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location :

Lot ID: 2632498

Date Received : May 22, 2026

Date Reported : May 30, 2026

Report Number : 3552035-1

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Sample Number 2632498-2
Sampled Date May 20, 2026
Sample Description Air Quality
Location หน่วยกมลันแยกเสกเซินและบิวทีน-1
Date Analysis Commenced May 26, 2026
Condition of Sample Drawn into one 10-L air sampling bag and one sorbent tube, refrigerated
Barometric Pressure 750 mmHg
Atmospheric Temperature 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1-Butene	08:30 AM - 10:30 AM	ppm	-	1.0	<1.0	250	Based on ASTM, D2712-18	MOL	Bangkok
n-Hexane	08:30 AM - 10:30 AM	ppm	-	0.03	0.28	500	NIOSH (2003), 1500	MOL	Bangkok

Guideline :

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

Sampled By : Nattakarn Vonginyoo

Remark :

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

Approved by

Orawan Rakyong
Scientist (3)

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location :

Lot ID: 2632498

Date Received : May 22, 2026

Date Reported : May 30, 2026

Report Number : 3552035-1

Page 3 of 4

Sample Number 2632498-3
Sampled Date May 20, 2026
Sample Description Air Quality
Location บริเวณ Preheater
Date Analysis Commenced May 26, 2026
Condition of Sample Drawn into one 10-L air sampling bag
Barometric Pressure 750 mmHg
Atmospheric Temperature 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1-Butene	08:30 AM - 10:30 AM	ppm	-	1.0	<1.0	250	Based on ASTM, D2712-18	MOL	Bangkok
Ethylene	08:30 AM - 10:30 AM	ppm	-	1.0	<1.0	200	Based on ASTM, D 2712-18	ACGIH	Bangkok

Guideline :

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

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

Sampled By : Nattakarn Vonginyoo

Remark :

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

Approved by

Orawan Rakyong
Scientist (3)

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O : PMM-2025-336

Project Name : Environmental Monitoring

Project Location :

Lot ID: 2632498

Date Received : May 22, 2026

Date Reported : May 30, 2026

Report Number : 3552035-1

Page 4 of 4

Sample Number 2632498-4
Sampled Date May 20, 2026
Sample Description Air Quality
Location บริเวณแผนกบรรจุเม็ดพลาสติก (Bagging)
Date Analysis Commenced May 26, 2026
Condition of Sample Drawn into one filter paper placed in plastic cassette
Barometric Pressure 750 mmHg
Atmospheric Temperature 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Total Dust	08:30 AM - 10:30 AM	mg/m3	-	0.15	<0.15	15	In-house method : STM 02-022 based on NIOSH Manual of Analytical Method, 4th ed., NMAM, method 0500 Issue 2, 1994 (Include sampling)	OSHA	Rayong

Guideline :

OSHA : Occupational Safety and Health Administration

Sampled By : Nattakarn Vonginyoo

Remark :

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

Approved by

Orawan Rakyong
Scientist (3)

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ระดับความร้อนในบริเวณการทำงาน



Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand
21150
P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location : HDPE3

Lot ID: 265748

Date Received : Feb 13, 2026
Date Reported : Feb 18, 2026
Report Number: 3491299-1

Page 1 of 2

Sample Number 265748-1
Parameter Heat Stress (Sampling Time : 10.00 AM - 12.00 PM)
Measurement Date Feb 12, 2026
Measurement by Patinya Pantongta
Location ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณ Dryer	120	26.7	25.7	28.9	28.7
Average (WBGT)		26.7			
Guideline WBGT (°C)		34.0			

Reference Method : Wet Bulb Globe Temperature

Guideline:

- Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
- Ministerial Regulation on Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environment in relation to Heat, Light and Noise, B.E.2559

Note:

%Humidity = 74.3 %, Heat Index= 33.0 C

Technical Manager

Supot Salamteh
Section Head

Approved by

Wichai Choonmarat
Assistant Manager

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand
21150
P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location : HDPE3

Lot ID: 265748

Date Received : Feb 13, 2026
Date Reported : Feb 18, 2026
Report Number: 3491299-1

Page 2 of 2

Sample Number 265748-2
Parameter Heat Stress (Sampling Time : 10.00 AM - 12.00 PM)
Measurement Date Feb 12, 2026
Measurement by Patinya Pantongta
Location ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณ Pelletizer	120	29.7	28.1	33.4	32.1
Average (WBGT)		29.7			
Guideline WBGT (°C)		34.0			

Reference Method : Wet Bulb Globe Temperature

Guideline:

1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Ministerial Regulation on Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environment in relation to Heat, Light and Noise, B.E.2559

Note:

%Humidity = 74.3 %, Heat Index= 33.0 C

Technical Manager

Supot Salamteh
Section Head

Approved by

Wichai Choonmarat
Assistant Manager

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand
21150
P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location : HDPE3

Lot ID: 2632501

Date Received : May 22, 2026

Date Reported : May 28, 2026

Report Number: 3552038-1

Page 1 of 2

Sample Number 2632501-1
Parameter Heat Stress (Sampling Time : 09.00 AM - 11.00 AM)
Measurement Date May 20, 2026
Measurement by Nattakarn Vonginyoo
Location ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณ Dryer	120	29.3	28.1	32.0	32.0
Average (WBGT)		29.3			
Guideline WBGT (°C)		34.0			

Reference Method : Wet Bulb Globe Temperature

Guideline:

1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Ministerial Regulation on Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environment in relation to Heat, Light and Noise, B.E.2559

Note:

%Humidity = 70.4 %, Heat Index= 40.6 C

Technical Manager

Supot Salamteh
Section Head

Approved by

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
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21150
P/O : PMM-2025-336
Project Name : Environmental Monitoring
Project Location : HDPE3

Lot ID: 2632501

Date Received : May 22, 2026

Date Reported : May 28, 2026

Report Number: 3552038-1

Page 2 of 2

Sample Number 2632501-2
Parameter Heat Stress (Sampling Time : 09.00 AM - 11.00 AM)
Measurement Date May 20, 2026
Measurement by Nattakarn Vonginyoo
Location ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณ Pelletizer	120	30.7	28.7	35.3	35.2
Average (WBGT)		30.7			
Guideline WBGT (°C)		34.0			

Reference Method : Wet Bulb Globe Temperature

Guideline:

1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Ministerial Regulation on Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environment in relation to Heat, Light and Noise, B.E.2559

Note:

%Humidity = 70.4 %, Heat Index= 51.3 C

Technical Manager

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