

ภาคผนวก ค

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ใบรับรองผลการตรวจวิเคราะห์

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คุณภาพอากาศในบรรยากาศ



## 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 :** TPE Site 3

**Lot ID: 2589726**  
Date Received : Nov 18, 2025  
Date Reported : Nov 24, 2025  
Report Number: 3412814-1

Page 1 of 1

<b>Sample Description</b>	Air Quality						
<b>Location</b>	พื้นที่โรงงาน (GPS 47P 0733546, 1406890)						
<b>Parameter</b>	Nitrogen dioxide (ppm)						
<b>Measurement Date</b>	Nov 11, 2025 - Nov 18, 2025						
<b>Measurement by</b>	Sawal Tonpho						
	2589726-1	2589726-2	2589726-3	2589726-4	2589726-5	2589726-6	2589726-7
Time	Nov 11, 2025	Nov 12, 2025	Nov 13, 2025	Nov 14, 2025	Nov 15, 2025	Nov 16, 2025	Nov 17, 2025
12:00 PM - 01:00 PM	0.0011	0.0070	0.0037	0.0024	0.0011	0.0010	0.0014
01:00 PM - 02:00 PM	0.0011	0.0043	0.0025	0.0024	0.0011	0.0007	0.0015
02:00 PM - 03:00 PM	0.0019	0.0035	0.0022	0.0159	0.0009	0.0007	0.0071
03:00 PM - 04:00 PM	0.0009	0.0019	0.0008	0.0044	0.0025	0.0009	0.0037
04:00 PM - 05:00 PM	0.0010	0.0197	0.0010	0.0049	0.0036	0.0008	0.0026
05:00 PM - 06:00 PM	0.0010	0.0035	0.0018	0.0030	0.0014	0.0008	0.0057
06:00 PM - 07:00 PM	0.0008	0.0448	0.0046	0.0054	0.0011	0.0007	0.0151
07:00 PM - 08:00 PM	0.0017	0.0140	0.0128	0.0073	0.0045	0.0011	0.0282
08:00 PM - 09:00 PM	0.0011	0.0106	0.0090	0.0073	0.0029	0.0021	0.0136
09:00 PM - 10:00 PM	0.0014	0.0078	0.0022	0.0017	0.0024	0.0006	0.0089
10:00 PM - 11:00 PM	0.0037	0.0033	0.0030	0.0010	0.0012	0.0007	0.0041
11:00 PM - 12:00 AM	0.0030	0.0040	0.0019	0.0008	0.0012	0.0006	0.0022
12:00 AM - 01:00 AM	0.0023	0.0043	0.0025	0.0010	0.0012	0.0007	0.0018
01:00 AM - 02:00 AM	0.0135	0.0061	0.0024	0.0010	0.0010	0.0005	0.0016
02:00 AM - 03:00 AM	0.0044	0.0027	0.0024	0.0008	0.0009	0.0006	0.0014
03:00 AM - 04:00 AM	0.0041	0.0043	0.0027	0.0008	0.0009	0.0005	0.0024
04:00 AM - 05:00 AM	0.0045	0.0050	0.0013	0.0009	0.0006	0.0004	0.0012
05:00 AM - 06:00 AM	0.0029	0.0056	0.0012	0.0007	0.0007	0.0006	0.0011
06:00 AM - 07:00 AM	0.0190	0.0084	0.0023	0.0011	0.0010	0.0009	0.0018
07:00 AM - 08:00 AM	0.0288	0.0237	0.0098	0.0031	0.0020	0.0049	0.0092
08:00 AM - 09:00 AM	0.0123	0.0143	0.0092	0.0084	0.0030	0.0092	0.0120
09:00 AM - 10:00 AM	0.0025	0.0046	0.0045	0.0020	0.0015	0.0130	0.0103
10:00 AM - 11:00 AM	0.0017	0.0027	0.0028	0.0012	0.0014	0.0085	0.0042
11:00 AM - 12:00 PM	0.0023	0.0017	0.0029	0.0010	0.0012	0.0039	0.0006
Average	0.0049	0.0087	0.0037	0.0033	0.0016	0.0023	0.0059
1hr - Maximum	0.0288	0.0448	0.0128	0.0159	0.0045	0.0130	0.0282
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).  
Reference Method : U.S. Environmental Protection AgencyMethod Part 50 App. F (Chemiluminescence)

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

Approved by

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 :** TPE Site 3

**Lot ID: 2589726**  
Date Received : Nov 18, 2025  
Date Reported : Nov 24, 2025  
Report Number: 3455696-1

Page 1 of 1

<b>Sample Description</b>	Air Quality						
<b>Location</b>	วัดหนองแฟบทักษิณาราม (GPS 47P 0729825, 1403308)						
<b>Parameter</b>	Nitrogen dioxide (ppm)						
<b>Measurement Date</b>	Nov 11, 2025 - Nov 18, 2025						
<b>Measurement by</b>	Sawal Tonpho						
	2589726-8	2589726-9	2589726-10	2589726-11	2589726-12	2589726-13	2589726-14
Time	Nov 11, 2025	Nov 12, 2025	Nov 13, 2025	Nov 14, 2025	Nov 15, 2025	Nov 16, 2025	Nov 17, 2025
10:00 AM - 11:00 AM	0.0064	0.0045	0.0130	0.0066	0.0042	0.0065	0.0120
11:00 AM - 12:00 PM	0.0069	0.0045	0.0127	0.0055	0.0064	0.0076	0.0101
12:00 PM - 01:00 PM	0.0145	0.0062	0.0109	0.0050	0.0062	0.0050	0.0108
01:00 PM - 02:00 PM	0.0161	0.0047	0.0083	0.0044	0.0040	0.0052	0.0093
02:00 PM - 03:00 PM	0.0122	0.0053	0.0114	0.0039	0.0034	0.0054	0.0080
03:00 PM - 04:00 PM	0.0154	0.0046	0.0108	0.0034	0.0041	0.0045	0.0075
04:00 PM - 05:00 PM	0.0093	0.0046	0.0092	0.0036	0.0041	0.0073	0.0066
05:00 PM - 06:00 PM	0.0117	0.0050	0.0084	0.0039	0.0037	0.0150	0.0062
06:00 PM - 07:00 PM	0.0079	0.0054	0.0093	0.0048	0.0033	0.0084	0.0055
07:00 PM - 08:00 PM	0.0076	0.0080	0.0084	0.0049	0.0045	0.0062	0.0059
08:00 PM - 09:00 PM	0.0112	0.0102	0.0089	0.0052	0.0048	0.0075	0.0051
09:00 PM - 10:00 PM	0.0149	0.0079	0.0077	0.0054	0.0046	0.0088	0.0054
10:00 PM - 11:00 PM	0.0140	0.0069	0.0067	0.0072	0.0048	0.0123	0.0059
11:00 PM - 12:00 AM	0.0105	0.0104	0.0067	0.0060	0.0061	0.0130	0.0058
12:00 AM - 01:00 AM	0.0135	0.0126	0.0095	0.0083	0.0076	0.0155	0.0065
01:00 AM - 02:00 AM	0.0166	0.0177	0.0093	0.0078	0.0085	0.0184	0.0069
02:00 AM - 03:00 AM	0.0207	0.0233	0.0106	0.0055	0.0104	0.0160	0.0089
03:00 AM - 04:00 AM	0.0181	0.0232	0.0136	0.0052	0.0143	0.0137	0.0095
04:00 AM - 05:00 AM	0.0184	0.0200	0.0106	0.0049	0.0151	0.0131	0.0089
05:00 AM - 06:00 AM	0.0198	0.0169	0.0110	0.0069	0.0154	0.0164	0.0115
06:00 AM - 07:00 AM	0.0104	0.0204	0.0089	0.0053	0.0124	0.0154	0.0102
07:00 AM - 08:00 AM	0.0093	0.0164	0.0066	0.0043	0.0126	0.0167	0.0091
08:00 AM - 09:00 AM	0.0053	0.0142	0.0069	0.0046	0.0142	0.0148	0.0091
09:00 AM - 10:00 AM	0.0059	0.0139	0.0075	0.0054	0.0050	0.0143	0.0071
Average	0.0124	0.0111	0.0095	0.0053	0.0075	0.0111	0.0080
1hr - Maximum	0.0207	0.0233	0.0136	0.0083	0.0154	0.0184	0.0120
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).  
Reference Method : U.S. Environmental Protection AgencyMethod Part 50 App. F (Chemiluminescence)

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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 :** TPE Site 3

**Lot ID: 2589727**

Date Received : Nov 18, 2025  
Date Reported : Nov 24, 2025  
Report Number: 3412815-1

Page 1 of 1

**Sample Description** Air Quality  
**Location** โรงเรียนบ้านนาบตาพุด (โสกธาราชบุรีประ) (GPS 47P 0735343, 1406686)  
**Parameter** Nitrogen dioxide (ppm)  
**Measurement Date** Nov 11, 2025 - Nov 18, 2025  
**Measurement by** Sawai Tonpho

	2589727-1	2589727-2	2589727-3	2589727-4	2589727-5	2589727-6	2589727-7
Time	Nov 11, 2025	Nov 12, 2025	Nov 13, 2025	Nov 14, 2025	Nov 15, 2025	Nov 16, 2025	Nov 17, 2025
12:00 PM - 01:00 PM	0.0050	0.0040	0.0069	0.0039	0.0074	0.0157	0.0087
01:00 PM - 02:00 PM	0.0068	0.0035	0.0067	0.0060	0.0088	0.0095	0.0086
02:00 PM - 03:00 PM	0.0074	0.0051	0.0068	0.0078	0.0113	0.0093	0.0091
03:00 PM - 04:00 PM	0.0074	0.0065	0.0064	0.0094	0.0117	0.0115	0.0124
04:00 PM - 05:00 PM	0.0052	0.0063	0.0057	0.0090	0.0128	0.0115	0.0092
05:00 PM - 06:00 PM	0.0043	0.0057	0.0047	0.0094	0.0096	0.0083	0.0073
06:00 PM - 07:00 PM	0.0057	0.0052	0.0049	0.0080	0.0083	0.0078	0.0076
07:00 PM - 08:00 PM	0.0042	0.0043	0.0049	0.0063	0.0082	0.0083	0.0088
08:00 PM - 09:00 PM	0.0039	0.0042	0.0054	0.0105	0.0087	0.0102	0.0125
09:00 PM - 10:00 PM	0.0049	0.0037	0.0062	0.0093	0.0101	0.0102	0.0061
10:00 PM - 11:00 PM	0.0076	0.0040	0.0064	0.0079	0.0102	0.0059	0.0060
11:00 PM - 12:00 AM	0.0069	0.0053	0.0066	0.0094	0.0065	0.0063	0.0059
12:00 AM - 01:00 AM	0.0068	0.0063	0.0076	0.0093	0.0068	0.0081	0.0091
01:00 AM - 02:00 AM	0.0049	0.0067	0.0069	0.0098	0.0084	0.0116	0.0043
02:00 AM - 03:00 AM	0.0045	0.0070	0.0058	0.0089	0.0095	0.0135	0.0055
03:00 AM - 04:00 AM	0.0041	0.0070	0.0048	0.0074	0.0116	0.0085	0.0051
04:00 AM - 05:00 AM	0.0039	0.0056	0.0048	0.0075	0.0119	0.0088	0.0086
05:00 AM - 06:00 AM	0.0067	0.0045	0.0061	0.0091	0.0093	0.0084	0.0064
06:00 AM - 07:00 AM	0.0066	0.0043	0.0073	0.0086	0.0084	0.0126	0.0049
07:00 AM - 08:00 AM	0.0065	0.0047	0.0068	0.0104	0.0082	0.0072	0.0069
08:00 AM - 09:00 AM	0.0064	0.0055	0.0070	0.0121	0.0087	0.0062	0.0097
09:00 AM - 10:00 AM	0.0061	0.0064	0.0070	0.0104	0.0105	0.0067	0.0089
10:00 AM - 11:00 AM	0.0038	0.0070	0.0053	0.0081	0.0123	0.0086	0.0057
11:00 AM - 12:00 PM	0.0037	0.0076	0.0038	0.0070	0.0242	0.0135	0.0082
Average	0.0056	0.0054	0.0060	0.0086	0.0101	0.0095	0.0077
1hr - Maximum	0.0076	0.0076	0.0076	0.0121	0.0242	0.0157	0.0125
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).  
Reference Method : U.S. Environmental Protection Agency Method Part 50 App. F (Chemiluminescence)

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Approved by

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 :** TPE Site 3

**Lot ID: 2589729**

Date Received : Nov 18, 2025

Date Reported : Nov 24, 2025

Report Number : 3412819-1

Page 1 of 14

**Sample Number** 2589729-1  
**Sampled Date** Nov 11, 2025  
**Sample Description** Air Quality  
**Location** พื้นที่โรงงาน (GPS 47P 0733546, 1406890)  
**Date Analysis Commenced** Nov 19, 2025  
**Condition of Sample** Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Non-Methane Hydrocarbon	11/11/25 - 12/11/25	ppm	-	1.0	1.4	Total Hydrocarbon Analyzer (FID)	Rayong

**Sampled By :** Nantawat Sarin

**Remark :**

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

Approved by

Thana Ratanawong  
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 :** TPE Site 3

**Lot ID: 2589729**

Date Received : Nov 18, 2025

Date Reported : Nov 24, 2025

Report Number : 3412819-1

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**Sample Number** 2589729-2  
**Sampled Date** Nov 12, 2025  
**Sample Description** Air Quality  
**Location** พื้นที่โรงงาน (GPS 47P 0733546, 1406890)  
**Date Analysis Commenced** Nov 19, 2025  
**Condition of Sample** Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Non-Methane Hydrocarbon	12/11/25 - 13/11/25	ppm	-	1.0	7.7	Total Hydrocarbon Analyzer (FID)	Rayong

**Sampled By :** Nantawat Sarin

**Remark :**

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

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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 :** TPE Site 3

**Lot ID: 2589729**

Date Received : Nov 18, 2025

Date Reported : Nov 24, 2025

Report Number : 3412819-1

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**Sample Number** 2589729-3  
**Sampled Date** Nov 13, 2025  
**Sample Description** Air Quality  
**Location** พื้นที่โรงงาน (GPS 47P 0733546, 1406890)  
**Date Analysis Commenced** Nov 19, 2025  
**Condition of Sample** Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Non-Methane Hydrocarbon	13/11/25 - 14/11/25	ppm	-	1.0	1.8	Total Hydrocarbon Analyzer (FID)	Rayong

**Sampled By :** Nantawat Sarin

Remark :

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

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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 :** TPE Site 3

**Lot ID: 2589729**

Date Received : Nov 18, 2025

Date Reported : Nov 24, 2025

Report Number : 3412819-1

Page 4 of 14

**Sample Number** 2589729-4  
**Sampled Date** Nov 14, 2025  
**Sample Description** Air Quality  
**Location** พื้นที่โรงงาน (GPS 47P 0733546, 1406890)  
**Date Analysis Commenced** Nov 19, 2025  
**Condition of Sample** Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Non-Methane Hydrocarbon	14/11/25 - 15/11/25	ppm	-	1.0	<1.0	Total Hydrocarbon Analyzer (FID)	Rayong

**Sampled By :** Nantawat Sarin

Remark :

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

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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 :**

**Project Name :** Environmental Monitoring

**Project Location :** TPE Site 3

**Lot ID: 2589729**

Date Received : Nov 18, 2025

Date Reported : Nov 24, 2025

Report Number : 3412819-1

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**Sample Number** 2589729-5  
**Sampled Date** Nov 15, 2025  
**Sample Description** Air Quality  
**Location** พื้นที่โรงงาน (GPS 47P 0733546, 1406890)  
**Date Analysis Commenced** Nov 19, 2025  
**Condition of Sample** Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Non-Methane Hydrocarbon	15/11/25 - 16/11/25	ppm	-	1.0	<1.0	Total Hydrocarbon Analyzer (FID)	Rayong

**Sampled By :** Nantawat Sarin

Remark :

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

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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 :** TPE Site 3

**Lot ID: 2589729**

Date Received : Nov 18, 2025

Date Reported : Nov 24, 2025

Report Number : 3412819-1

Page 6 of 14

**Sample Number** 2589729-6  
**Sampled Date** Nov 16, 2025  
**Sample Description** Air Quality  
**Location** พื้นที่โรงงาน (GPS 47P 0733546, 1406890)  
**Date Analysis Commenced** Nov 19, 2025  
**Condition of Sample** Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Non-Methane Hydrocarbon	16/11/25 - 17/11/25	ppm	-	1.0	<1.0	Total Hydrocarbon Analyzer (FID)	Rayong

**Sampled By :** Nantawat Sarin

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 :**

**Project Name :** Environmental Monitoring

**Project Location :** TPE Site 3

**Lot ID: 2589729**

Date Received : Nov 18, 2025

Date Reported : Nov 24, 2025

Report Number : 3412819-1

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**Sample Number** 2589729-7  
**Sampled Date** Nov 17, 2025  
**Sample Description** Air Quality  
**Location** พื้นที่โรงงาน (GPS 47P 0733546, 1406890)  
**Date Analysis Commenced** Nov 19, 2025  
**Condition of Sample** Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Non-Methane Hydrocarbon	17/11/25 - 18/11/25	ppm	-	1.0	<1.0	Total Hydrocarbon Analyzer (FID)	Rayong

**Sampled By :** Nantawat Sarin

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 :**

**Project Name :** Environmental Monitoring

**Project Location :** TPE Site 3

**Lot ID: 2589729**

Date Received : Nov 18, 2025

Date Reported : Nov 24, 2025

Report Number : 3412819-1

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**Sample Number** 2589729-8  
**Sampled Date** Nov 11, 2025  
**Sample Description** Air Quality  
**Location** วัดหนองเพนียดกิโลเมตร (GPS 47P 0729839, 1403307)  
**Date Analysis Commenced** Nov 19, 2025  
**Condition of Sample** Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Non-Methane Hydrocarbon	11/11/25 - 12/11/25	ppm	-	1.0	1.1	Total Hydrocarbon Analyzer (FID)	Rayong

**Sampled By :** Nantawat Sarin

Remark :

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**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** TPE Site 3

**Lot ID: 2589729**

Date Received : Nov 18, 2025

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**Sample Number** 2589729-9  
**Sampled Date** Nov 12, 2025  
**Sample Description** Air Quality  
**Location** วัดหนองเพนียดกษิณาราม (GPS 47P 0729839, 1403307)  
**Date Analysis Commenced** Nov 19, 2025  
**Condition of Sample** Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Non-Methane Hydrocarbon	12/11/25 - 13/11/25	ppm	-	1.0	<1.0	Total Hydrocarbon Analyzer (FID)	Rayong

**Sampled By :** Nantawat Sarin

Remark :

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**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** TPE Site 3

**Lot ID: 2589729**

Date Received : Nov 18, 2025

Date Reported : Nov 24, 2025

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**Sample Number** 2589729-10  
**Sampled Date** Nov 13, 2025  
**Sample Description** Air Quality  
**Location** วัดหนองเพนียดกษิณาราม (GPS 47P 0729839, 1403307)  
**Date Analysis Commenced** Nov 19, 2025  
**Condition of Sample** Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Non-Methane Hydrocarbon	13/11/25 - 14/11/25	ppm	-	1.0	1.2	Total Hydrocarbon Analyzer (FID)	Rayong

**Sampled By :** Nantawat Sarin

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**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** TPE Site 3

**Lot ID: 2589729**

Date Received : Nov 18, 2025

Date Reported : Nov 24, 2025

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**Sample Number** 2589729-11  
**Sampled Date** Nov 14, 2025  
**Sample Description** Air Quality  
**Location** วัดหนองเพนียดกษิณาราม (GPS 47P 0729839, 1403307)  
**Date Analysis Commenced** Nov 19, 2025  
**Condition of Sample** Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Non-Methane Hydrocarbon	14/11/25 - 15/11/25	ppm	-	1.0	<1.0	Total Hydrocarbon Analyzer (FID)	Rayong

**Sampled By :** Nantawat Sarin

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**Project Name :** Environmental Monitoring

**Project Location :** TPE Site 3

**Lot ID: 2589729**

Date Received : Nov 18, 2025

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**Sample Number** 2589729-12  
**Sampled Date** Nov 15, 2025  
**Sample Description** Air Quality  
**Location** วัดหนองเพนียดกษิณาราม (GPS 47P 0729839, 1403307)  
**Date Analysis Commenced** Nov 19, 2025  
**Condition of Sample** Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Non-Methane Hydrocarbon	15/11/25 - 16/11/25	ppm	-	1.0	<1.0	Total Hydrocarbon Analyzer (FID)	Rayong

**Sampled By :** Nantawat Sarin

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**Project Name :** Environmental Monitoring

**Project Location :** TPE Site 3

**Lot ID: 2589729**

Date Received : Nov 18, 2025

Date Reported : Nov 24, 2025

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**Sample Number** 2589729-13  
**Sampled Date** Nov 16, 2025  
**Sample Description** Air Quality  
**Location** วัดหนองเพนียดกษิณาราม (GPS 47P 0729839, 1403307)  
**Date Analysis Commenced** Nov 19, 2025  
**Condition of Sample** Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Non-Methane Hydrocarbon	16/11/25 - 17/11/25	ppm	-	1.0	<1.0	Total Hydrocarbon Analyzer (FID)	Rayong

**Sampled By :** Nantawat Sarin

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**Project Name :** Environmental Monitoring

**Project Location :** TPE Site 3

**Lot ID: 2589729**

Date Received : Nov 18, 2025

Date Reported : Nov 24, 2025

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**Sample Number** 2589729-14  
**Sampled Date** Nov 17, 2025  
**Sample Description** Air Quality  
**Location** วัดหนองเพนียดกษิณาราม (GPS 47P 0729839, 1403307)  
**Date Analysis Commenced** Nov 19, 2025  
**Condition of Sample** Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Non-Methane Hydrocarbon	17/11/25 - 18/11/25	ppm	-	1.0	<1.0	Total Hydrocarbon Analyzer (FID)	Rayong

**Sampled By :** Nantawat Sarin

Remark :

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## Analysis / Test Report

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**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** TPE Site 3

**Lot ID: 2589731**

Date Received : Nov 17, 2025

Date Reported : Nov 24, 2025

Report Number : 3412823-1

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**Sample Number** 2589731-1  
**Sampled Date** Nov 11, 2025  
**Sample Description** Air Quality  
**Location** โรงเรียนบ้านนาตาพุด (โศภนราษฎร์รังสรรค์) (GPS 47P 0735343, 1406686)  
**Date Analysis Commenced** Nov 19, 2025  
**Condition of Sample** Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Non-Methane Hydrocarbon	11/11/25 - 12/11/25	ppm	-	1.0	1.4	Total Hydrocarbon Analyzer (FID)	Rayong

**Sampled By :** Nantawat Sarin

Remark :

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**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** TPE Site 3

**Lot ID: 2589731**

Date Received : Nov 17, 2025

Date Reported : Nov 24, 2025

Report Number : 3412823-1

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**Sample Number** 2589731-2  
**Sampled Date** Nov 12, 2025  
**Sample Description** Air Quality  
**Location** โรงเรียนบ้านนาตาพุด (โศภนราษฎร์รังสรรค์) (GPS 47P 0735343, 1406686)  
**Date Analysis Commenced** Nov 19, 2025  
**Condition of Sample** Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Non-Methane Hydrocarbon	12/11/25 - 13/11/25	ppm	-	1.0	1.4	Total Hydrocarbon Analyzer (FID)	Rayong

**Sampled By :** Nantawat Sarin

Remark :

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**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** TPE Site 3

**Lot ID: 2589731**

Date Received : Nov 17, 2025

Date Reported : Nov 24, 2025

Report Number : 3412823-1

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**Sample Number** 2589731-3  
**Sampled Date** Nov 13, 2025  
**Sample Description** Air Quality  
**Location** โรงเรียนบ้านนาบตาพุด (โศภณราษฎร์รังษณ์) (GPS 47P 0735343, 1406686)  
**Date Analysis Commenced** Nov 19, 2025  
**Condition of Sample** Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Non-Methane Hydrocarbon	13/11/25 - 14/11/25	ppm	-	1.0	1.3	Total Hydrocarbon Analyzer (FID)	Rayong

**Sampled By :** Nantawat Sarin

Remark :

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Approved by

Thana Krasomwong  
Scientist (4)

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**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** TPE Site 3

**Lot ID: 2589731**

Date Received : Nov 17, 2025

Date Reported : Nov 24, 2025

Report Number : 3412823-1

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**Sample Number** 2589731-4  
**Sampled Date** Nov 14, 2025  
**Sample Description** Air Quality  
**Location** โรงเรียนบ้านนาบตาพุด (โศภณราษฎร์รังษณ์) (GPS 47P 0735343, 1406686)  
**Date Analysis Commenced** Nov 19, 2025  
**Condition of Sample** Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Non-Methane Hydrocarbon	14/11/25 - 15/11/25	ppm	-	1.0	<1.0	Total Hydrocarbon Analyzer (FID)	Rayong

**Sampled By :** Nantawat Sarin

Remark :

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**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** TPE Site 3

**Lot ID: 2589731**

Date Received : Nov 17, 2025

Date Reported : Nov 24, 2025

Report Number : 3412823-1

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**Sample Number** 2589731-5  
**Sampled Date** Nov 15, 2025  
**Sample Description** Air Quality  
**Location** โรงเรียนบ้านนาบตาพุด (โศภนราษฎร์รังสรรค์) (GPS 47P 0735343, 1406686)  
**Date Analysis Commenced** Nov 19, 2025  
**Condition of Sample** Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Non-Methane Hydrocarbon	15/11/25 - 16/11/25	ppm	-	1.0	<1.0	Total Hydrocarbon Analyzer (FID)	Rayong

**Sampled By :** Nantawat Sarin

Remark :

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Thana Reasirong  
Scientist (4)

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**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** TPE Site 3

**Lot ID: 2589731**

Date Received : Nov 17, 2025

Date Reported : Nov 24, 2025

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**Sample Number** 2589731-6  
**Sampled Date** Nov 16, 2025  
**Sample Description** Air Quality  
**Location** โรงเรียนบ้านนาบตาพุด (โศภนราษฎร์รังสรรค์) (GPS 47P 0735343, 1406686)  
**Date Analysis Commenced** Nov 19, 2025  
**Condition of Sample** Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Non-Methane Hydrocarbon	16/11/25 - 17/11/25	ppm	-	1.0	<1.0	Total Hydrocarbon Analyzer (FID)	Rayong

**Sampled By :** Nantawat Sarin

Remark :

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S:\Reports\_Air\_Working\_NGL.rpt ( 3:17PM)





## 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 :** TPE Site 3

**Lot ID: 2589731**

Date Received : Nov 17, 2025  
Date Reported : Nov 24, 2025  
Report Number : 3412823-1

Page 7 of 7

**Sample Number** 2589731-7  
**Sampled Date** Nov 17, 2025  
**Sample Description** Air Quality  
**Location** โรงเรียนบ้านนาบตาพุด (โศภนราษฎร์รังสรรค์) (GPS 47P 0735343, 1406686)  
**Date Analysis Commenced** Nov 19, 2025  
**Condition of Sample** Drawn Into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Non-Methane Hydrocarbon	17/11/25 - 18/11/25	ppm	-	1.0	<1.0	Total Hydrocarbon Analyzer (FID)	Rayong

**Sampled By :** Nantawat Sarin

Remark :

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

Approved by

Scientist (4)

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

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## Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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

Lot ID: 2589734

Date Received :Nov 18, 2025

Date Reported :Nov 26, 2025

Report Number :3412826-1

P/O :

Project Name : Environmental Monitoring

Project Location : TPE Site 3

Page 1 of 2

Sample Number : 2589734-1 to 7  
Parameter : Wind Speed / Wind Direction  
Location : พื้นที่โรงงาน (GPS 47P 0733546, 1406890)  
Sampling Date : Nov 11 - Nov 18, 2025  
Sampling by : Nantawat Sarin

Time	Nov 11 - Nov 12, 2025			Nov 12 - Nov 13, 2025			Nov 13 - Nov 14, 2025			Nov 14 - Nov 15, 2025			Nov 15 - Nov 16, 2025			Nov 16 - Nov 17, 2025			Nov 17 - Nov 18, 2025		
	WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)	
11:00 AM - 12:00 PM	2.4	206.0	SSW	1.8	2.0	N	0.8	359.0	N	0.6	23.0	NNE	3.3	35.0	NE	3.5	31.0	NNE	1.0	84.0	E
12:00 PM - 01:00 PM	1.8	197.0	SSW	1.4	199.0	SSW	0.4	223.0	SW	3.0	359.0	N	3.3	69.0	ENE	2.2	34.0	NE	1.9	3.0	N
01:00 PM - 02:00 PM	0.5	18.0	NNE	1.2	61.0	ENE	2.5	193.0	SSW	2.1	11.0	N	2.6	54.0	NE	1.1	359.0	N	1.6	0.0	N
02:00 PM - 03:00 PM	1.6	176.0	S	1.0	51.0	NE	2.0	198.0	SSW	2.0	58.0	ENE	2.6	48.0	NE	1.6	11.0	N	1.2	39.0	NE
03:00 PM - 04:00 PM	1.8	192.0	SSW	1.4	63.0	ENE	0.5	82.0	E	0.2	-	-	0.8	19.0	NNE	4.7	34.0	NE	0.1	-	-
04:00 PM - 05:00 PM	1.8	211.0	SSW	1.1	30.0	NNE	0.6	345.0	NNW	0.2	-	-	0.7	35.0	NE	2.0	40.0	NE	1.2	2.0	N
05:00 PM - 06:00 PM	2.3	187.0	S	1.0	60.0	ENE	0.0	-	-	0.9	49.0	NE	1.4	10.0	N	2.7	48.0	NE	1.1	37.0	NE
06:00 PM - 07:00 PM	0.4	180.0	S	1.2	43.0	NL	0.7	33.0	NNE	1.3	67.0	ENE	1.2	28.0	NNL	5.0	40.0	NL	0.3	357.0	N
07:00 PM - 08:00 PM	1.6	227.0	SW	1.1	37.0	NE	1.9	80.0	E	1.3	24.0	NE	1.3	13.0	NNE	5.6	79.0	E	0.0	-	-
08:00 PM - 09:00 PM	1.6	12.0	NNE	1.4	16.0	NNE	0.8	26.0	NNE	3.3	357.0	N	0.8	30.0	NNE	3.9	68.0	ENE	0.7	36.0	NE
09:00 PM - 10:00 PM	0.3	12.0	NNE	0.7	17.0	NNE	1.0	54.0	NE	1.3	10.0	N	1.1	33.0	NNE	3.3	20.0	NNE	1.3	29.0	NNE
10:00 PM - 11:00 PM	0.9	3.0	N	1.0	17.0	NNE	1.2	12.0	NNE	1.4	46.0	NE	2.1	1.0	N	1.0	2.0	N	0.6	78.0	ENE
11:00 PM - 12:00 AM	0.3	25.0	NNE	1.2	17.0	NNE	1.9	43.0	NE	1.9	4.0	N	2.1	46.0	NE	1.0	45.0	NE	2.3	37.0	NE
12:00 AM - 01:00 AM	0.9	17.0	NNE	1.0	0.0	N	1.5	8.0	N	4.5	19.0	NNE	0.4	1.0	N	2.0	9.0	N	1.5	28.0	NNE
01:00 AM - 02:00 AM	1.3	28.0	NNE	0.4	334.0	NNW	0.7	18.0	NNE	0.4	63.0	ENE	0.6	23.0	NNE	1.7	36.0	NE	2.7	18.0	NNW
02:00 AM - 03:00 AM	1.1	21.0	NNE	1.1	22.0	NNE	1.0	22.0	NNE	1.5	359.0	N	0.7	80.0	E	1.2	36.0	NE	2.0	28.0	NNE
03:00 AM - 04:00 AM	0.0	-	-	2.1	5.0	N	1.1	46.0	NE	1.1	5.0	N	0.8	26.0	NNE	1.8	6.0	N	0.6	43.0	NE
04:00 AM - 05:00 AM	1.7	10.0	N	2.0	9.0	N	1.7	13.0	NNE	1.6	356.0	N	1.9	27.0	NNE	1.4	359.0	N	3.1	26.0	NNE
05:00 AM - 06:00 AM	1.3	57.0	ENE	2.0	16.0	NNE	1.3	43.0	NE	1.5	15.0	NNE	1.2	21.0	NNE	0.7	341.0	NNW	0.7	330.0	NNW
06:00 AM - 07:00 AM	1.8	11.0	N	0.9	1.0	N	1.4	359.0	N	1.1	28.0	NNE	2.7	31.0	NNE	0.7	57.0	ENE	1.8	80.0	E
07:00 AM - 08:00 AM	1.7	55.0	NE	1.7	38.0	NE	2.6	10.0	N	1.0	28.0	NNE	4.1	15.0	NNE	1.4	55.0	NE	1.6	15.0	NNE
08:00 AM - 09:00 AM	1.4	208.0	SSW	1.7	337.0	NNW	3.5	355.0	N	4.2	26.0	NNE	1.1	52.0	NE	3.6	7.0	N	2.1	359.0	N
09:00 AM - 10:00 AM	0.9	192.0	SSW	1.5	59.0	ENE	4.3	67.0	ENE	3.7	10.0	N	2.0	50.0	NE	2.0	24.0	NNE	1.5	3.0	N
10:00 AM - 11:00 AM	0.0	-	-	0.3	243.0	WSW	2.1	77.0	ENE	6.4	31.0	NNE	3.9	45.0	NE	1.8	27.0	NNE	1.3	351.0	N

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

Sarayuwan Jitranonit  
Assistant General 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

Lot ID: 2589734

Date Received :Nov 18, 2025

Date Reported :Nov 26, 2025

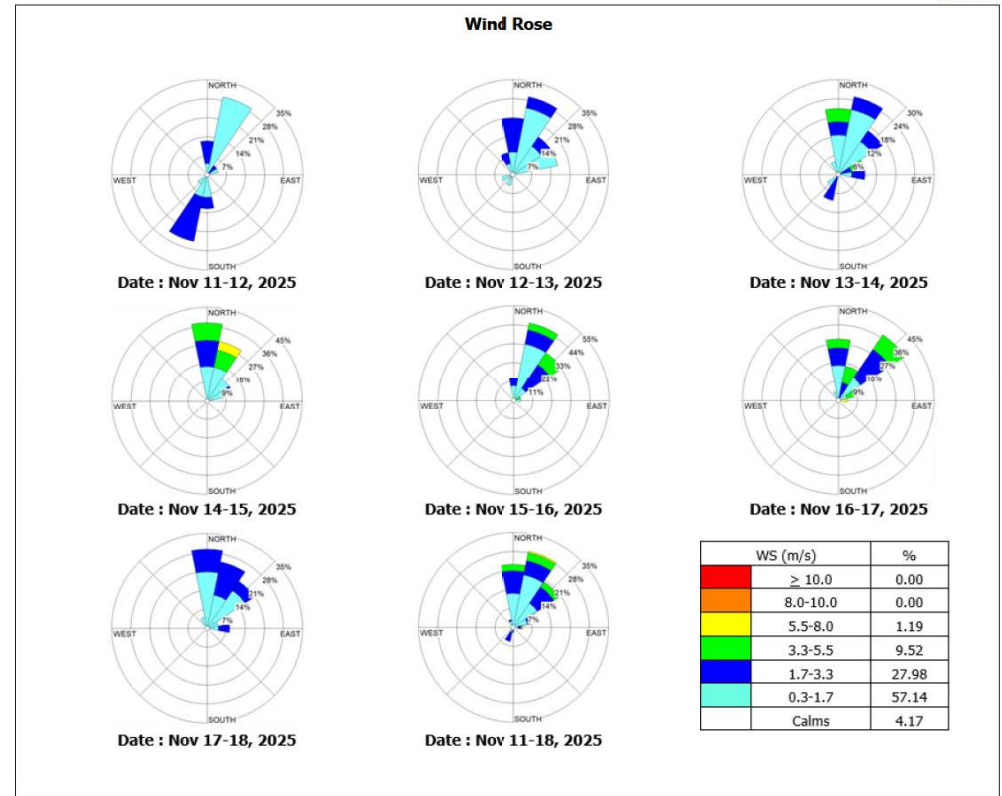
Report Number :3412826-1

P/O :

Project Name : Environmental Monitoring

Project Location : TPE Site 3

Page 2 of 2



Location : พื้นที่โรงงาน (GPS 47P 0733546, 1406890)

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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-23-11  
**Project Name** : Environmental Monitoring  
**Project Location** : HDPE3



**TESTING**  
No.0042  
**Lot ID: 2553194**  
Date Received : Jul 08, 2025  
Date Reported : Jul 16, 2025  
Report Number : 3361049-1

Page 1 of 2

**Sample Number** : 2553194-1  
**Sampled Date** : Jul 08, 2025 11:25 AM  
**Sample Description** : Wastewater  
**Location** : HD3 : ร่องน้ำทิ้งของเสียจากการบำบัดแล้ว  
**Date Analysis Commenced** : Jul 08, 2025  
**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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<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		-	-	7.5	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	-	-	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	1720	≤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	14	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Technical Management



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-23-11  
**Project Name** : Environmental Monitoring  
**Project Location** : HDPE3



**TESTING**  
No.0042  
**Lot ID: 2553194**  
Date Received : Jul 08, 2025  
Date Reported : Jul 16, 2025  
Report Number : 3361049-1

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



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-23-11

Project Name : Environmental Monitoring

Project Location : HDPE3

Lot ID: 2553194

Date Received : Jul 08, 2025

Date Reported : Jul 16, 2025

Report Number : 3361049-2

Page 1 of 1

Sample Number	2553194-1						
Sampled Date	Jul 08, 2025 11:25 AM						
Sample Description	Wastewater						
Location	HD3 : บ่อพักน้ำทิ้งหลังผ่านการบำบัดแล้ว						
Date Analysis Commenced	Jul 08, 2025						
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
<b>Water Testing</b>							
Dissolved Oxygen	mg/L	-	0.1	5.7	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, 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).

**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

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: 2563246

Date Received : Aug 22, 2025

Date Reported : Aug 29, 2025

Report Number : 3349101-1

Page 1 of 2

Sample Number	2563246-1						
Sampled Date	Aug 22, 2025 9:10 AM						
Sample Description	Wastewater						
Location	HD3 : บ่อพักน้ำทิ้งหลังผ่านการบำบัดแล้ว						
Date Analysis Commenced	Aug 22, 2025						
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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<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	-	-	38.2	≤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	1840	≤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	19	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Technical Management

Scientist (4)

ทะเบียนเลขที่ ๖-323-๙-0028

Approved by

Senior Manager

ทะเบียนเลขที่ ๖-323-๙-0001

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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 :  
Project Name : Environmental Monitoring  
Project Location : HDPE3



TESTING  
No.0042

Lot ID: 2563246  
Date Received : Aug 22, 2025  
Date Reported : Aug 29, 2025  
Report Number : 3349101-1

Page 2 of 2

**Guideline** : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).  
**Sampling By** : Surawit Narapong ทะเบียนเลขที่ ร-323-ร-0011

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



## 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: 2563246  
Date Received : Aug 22, 2025  
Date Reported : Aug 29, 2025  
Report Number : 3349101-2

Page 1 of 1

**Sample Number** : 2563246-1  
**Sampled Date** : Aug 22, 2025 9:10 AM  
**Sample Description** : Wastewater  
**Location** : HD3 : ร้อยฟักน้ำทิ้งหลังผ่านการบำบัดแล้ว  
**Date Analysis Commenced** : Aug 22, 2025  
**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
<b>Water Testing</b>							
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
Flow rate	m3/s	-	-	0.0047	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).  
**Sampling By** : Surawit Narapong

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

Technical Management

[Redacted Signature]

Scientist (4)  
ทะเบียนเลขที่ ร-323-ร-0028

Approved by

[Redacted Signature]

Senior Manager  
ทะเบียนเลขที่ ร-323-ร-0001

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Approved by

[Redacted Signature]

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** : HDPE3



**TESTING**  
No.0042  
**Lot ID: 2575416**  
Date Received : Sep 18, 2025  
Date Reported : Sep 25, 2025  
Report Number : 3380346-1

Page 1 of 2

**Sample Number** : 2575416-1  
**Sampled Date** : Sep 18, 2025 9:52 AM  
**Sample Description** : Wastewater  
**Location** : HD3 : ร่องน้ำทิ้งหลังผ่านการบำบัดแล้ว  
**Date Analysis Commenced** : Sep 18, 2025  
**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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<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	6	≤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		-	-	8.5	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	-	-	39.4	≤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	1400	≤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



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

Approved by



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** :  
**Project Name** : Environmental Monitoring  
**Project Location** : HDPE3



**TESTING**  
No.0042  
**Lot ID: 2575416**  
Date Received : Sep 18, 2025  
Date Reported : Sep 25, 2025  
Report Number : 3380346-1

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** : Nattawat Athomprongmarat ทะเบียนเลขที่ ว-323-จ-0006

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



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** :  
**Project Name** : Environmental Monitoring  
**Project Location** : HDPE3

**Lot ID: 2575416**  
Date Received : Sep 18, 2025  
Date Reported : Sep 25, 2025  
Report Number : 3380346-2

Page 1 of 1

Sample Number	2575416-1						
Sampled Date	Sep 18, 2025 9:52 AM						
Sample Description	Wastewater						
Location	HD3 : ร้อยพันน้ำทิ้งหลังผ่านการบำบัดแล้ว						
Date Analysis Commenced	Sep 18, 2025						
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
<b>Water Testing</b>							
Dissolved Oxygen	mg/L	-	0.1	4.1	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	-	-	0.0036	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** : Nattawut Athomprommarat

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

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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: 2583200**  
Date Received : Oct 09, 2025  
Date Reported : Oct 17, 2025  
Report Number : 3396932-1

Page 1 of 2

Sample Number	2583200-1						
Sampled Date	Oct 09, 2025 1:53 PM						
Sample Description	Wastewater						
Location	HD3 : ร้อยพันน้ำทิ้งหลังผ่านการบำบัดแล้ว						
Date Analysis Commenced	Oct 09, 2025						
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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<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	-	-	39.1	≤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	1960	≤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	13	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Technical Management

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 :

Project Name : Environmental Monitoring

Project Location : HDPE3



TESTING  
No.0042

Lot ID: 2583200

Date Received : Oct 09, 2025

Date Reported : Oct 17, 2025

Report Number : 3396932-1

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-อ-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



## 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: 2583200

Date Received : Oct 09, 2025

Date Reported : Oct 17, 2025

Report Number : 3396932-2

Page 1 of 1

Sample Number	2583200-1
Sampled Date	Oct 09, 2025 1:53 PM
Sample Description	Wastewater
Location	HD3 : ร่องน้ำทิ้งหลังผ่านการบำบัดแล้ว
Date Analysis Commenced	Oct 10, 2025
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
<b>Water Testing</b>							
Dissolved Oxygen	mg/L	-	0.1	5.5	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	-	-	0.002	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)

Technical Management



Scientist (4)  
ทะเบียนเลขที่ ว-323-อ-0028

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Senior Manager  
ทะเบียนเลขที่ ว-323-อ-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** :  
**Project Name** : Environmental Monitoring  
**Project Location** : HDPE3



**TESTING**  
No.0042  
**Lot ID: 2589778**  
Date Received : Nov 06, 2025  
Date Reported : Nov 13, 2025  
Report Number : 3412893-1

Page 1 of 2

**Sample Number** : 2589778-1  
**Sampled Date** : Nov 06, 2025 2:20 PM  
**Sample Description** : Wastewater  
**Location** : HD3 : ร่องน้ำทิ้งของหลุมการบำบัดแล้ว  
**Date Analysis Commenced** : Nov 06, 2025  
**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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<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	6	≤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	-	-	37.2	≤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	2000	≤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	19	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Technical Management



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

Approved by



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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** :  
**Project Name** : Environmental Monitoring  
**Project Location** : HDPE3



**TESTING**  
No.0042  
**Lot ID: 2589778**  
Date Received : Nov 06, 2025  
Date Reported : Nov 13, 2025  
Report Number : 3412893-1

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



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

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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** :  
**Project Name** : Environmental Monitoring  
**Project Location** : HDPE3

**Lot ID: 2589778**  
Date Received : Nov 06, 2025  
Date Reported : Nov 13, 2025  
Report Number : 3412893-2

Page 1 of 1

Sample Number	2589778-1						
Sampled Date	Nov 06, 2025 2:20 PM						
Sample Description	Wastewater						
Location	HD3 : ร้อยพันน้ำทิ้งหลังผ่านการบำบัดแล้ว						
Date Analysis Commenced	Nov 06, 2025						
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
<b>Water Testing</b>							
Dissolved Oxygen	mg/L	-	0.1	5.3	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	-	-	0.003	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)

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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: 25101696**  
Date Received : Dec 08, 2025  
Date Reported : Dec 16, 2025  
Report Number : 3442162-1

Page 1 of 2

Sample Number	25101696-1						
Sampled Date	Dec 08, 2025 9:47 AM						
Sample Description	Wastewater						
Location	HD3 : ร้อยพันน้ำทิ้งหลังผ่านการบำบัดแล้ว						
Date Analysis Commenced	Dec 08, 2025						
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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<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		-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	39.6	≤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	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 at 103-105 degree C	mg/L	-	5	7	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Technical Management

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

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: 25101696

Date Received : Dec 08, 2025

Date Reported : Dec 16, 2025

Report Number : 3442162-1

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** : Nattawut Athomprommarat ทะเบียนเลขที่ ๖-323-๖-0006

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



## 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: 25101696

Date Received : Dec 08, 2025

Date Reported : Dec 16, 2025

Report Number : 3442162-2

Page 1 of 1

Sample Number	25101696-1
Sampled Date	Dec 08, 2025 9:47 AM
Sample Description	Wastewater
Location	HD3 : ร้อยพันน้ำทิ้งหลังผ่านการบำบัดแล้ว
Date Analysis Commenced	Dec 08, 2025
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
<b>Water Testing</b>							
Dissolved Oxygen	mg/L	-	0.1	4.7	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	-	-	0.0031	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).

**Sampling By** : Nattawut Athomprommarat

Remark :

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

Technical Management



Scientist (4)

ทะเบียนเลขที่ ๖-323-๖-0028

Approved by



Senior Manager

ทะเบียนเลขที่ ๖-323-๖-0001

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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-23-11

Project Name : Environmental Monitoring

Project Location : HDPE3



TESTING

No.0042

Lot ID: 2553196

Date Received : Jul 09, 2025

Date Reported : Jul 16, 2025

Report Number : 3322116-1

Page 1 of 2

Sample Number	2553196-1
Sampled Date	Jul 09, 2025 2:18 PM
Sample Description	Wastewater
Location	ปลายท่อน้ำทิ้งก่อนระบายออกสู่รางระบายน้ำของนิคมฯ
Date Analysis Commenced	Jul 09, 2025
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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<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	92	≤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	92	≤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	-	-	32.4	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	2960	37700(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	8	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Technical Management

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-23-11

Project Name : Environmental Monitoring

Project Location : HDPE3



TESTING

No.0042

Lot ID: 2553196

Date Received : Jul 09, 2025

Date Reported : Jul 16, 2025

Report Number : 3322116-1

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 32700 mg/L (Refer to Lot ID 2552158-1 : พาหนะทอง)

**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

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-23-11

Project Name : Environmental Monitoring

Project Location : HDPE3

Lot ID: 2553196

Date Received : Jul 09, 2025

Date Reported : Jul 16, 2025

Report Number : 3322116-2

Page 1 of 1

Sample Number	2553196-1
Sampled Date	Jul 09, 2025 2:18 PM
Sample Description	Wastewater
Location	ปลายท่อน้ำทิ้งก่อนระบายออกสู่รางระบายน้ำของนิคมฯ
Date Analysis Commenced	Jul 09, 2025
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
<b>Water Testing</b>							
Dissolved Oxygen	mg/L	-	0.1	7.4	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 32700 mg/l (Refer to Lot ID 2552158-1 : หมายเหตุทอง)

**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

Client : Thai Polyethylene Co., Ltd.

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

P/O : Chcek\_

Project Name : Environmental Monitoring

Project Location : HDPE3

Lot ID: 2563248

Date Received : Aug 07, 2025

Date Reported : Aug 15, 2025

Report Number : 3349104-1

Page 1 of 2

Sample Number	2563248-1
Sampled Date	Aug 07, 2025 2:12 PM
Sample Description	Wastewater
Location	ปลายท่อน้ำทิ้งก่อนระบายออกสู่รางระบายน้ำของนิคมฯ
Date Analysis Commenced	Aug 07, 2025
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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	4.7	≤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	40	≤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	19	≤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	17	≤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	-	-	34.9	≤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	3400	(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	11	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Technical Management

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

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 : Chcek\_

Project Name : Environmental Monitoring

Project Location : HDPE3



TESTING

No.0042

Lot ID: 2563248

Date Received : Aug 07, 2025

Date Reported : Aug 15, 2025

Report Number : 3349104-1

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.

**Sampling By** : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ๖-323-๖-0041

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

Scientist (4)

ทะเบียนเลขที่ ๖-323-๖-0028

Approved by

Senior Manager

ทะเบียนเลขที่ ๖-323-๖-0001

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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 : Chcek\_

Project Name : Environmental Monitoring

Project Location : HDPE3

Lot ID: 2563248

Date Received : Aug 07, 2025

Date Reported : Aug 15, 2025

Report Number : 3349104-2

Page 1 of 1

Sample Number	2563248-1
Sampled Date	Aug 07, 2025 2:12 PM
Sample Description	Wastewater
Location	ปลายท่อน้ำทิ้งก่อนระบายออกสู่ทางระบายน้ำของนิคมฯ
Date Analysis Commenced	Aug 07, 2025
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
<b>Water Testing</b>							
Dissolved Oxygen	mg/L	-	0.1	7.0	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.

**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

**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: 2575418**  
Date Received : Sep 04, 2025  
Date Reported : Sep 11, 2025  
Report Number : 3380349-1

Page 1 of 2

**Sample Number** : 2575418-1  
**Sampled Date** : Sep 04, 2025 2:42 PM  
**Sample Description** : Wastewater  
**Location** : ปลายท่อน้ำทิ้งก่อนระบายออกสู่รางระบายน้ำของนิคมฯ  
**Date Analysis Commenced** : Sep 04, 2025  
**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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	38	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	16	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	13	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
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	-	-	31.4	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	3400	≤33600(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	10	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Technical Management



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** :  
**Project Name** : Environmental Monitoring  
**Project Location** : HDPE3



**TESTING**  
No.0042  
**Lot ID: 2575418**  
Date Received : Sep 04, 2025  
Date Reported : Sep 11, 2025  
Report Number : 3380349-1

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 28600 mg/L (Refer to Lot ID 2573735-1 : พาหนะทอง)

**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



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** :  
**Project Name** : Environmental Monitoring  
**Project Location** : HDPE3

**Lot ID: 2575418**  
Date Received : Sep 04, 2025  
Date Reported : Sep 11, 2025  
Report Number : 3380349-2

Page 1 of 1

Sample Number	2575418-1
Sampled Date	Sep 04, 2025 2:42 PM
Sample Description	Wastewater
Location	ปลายท่อน้ำทิ้งก่อนระบายออกสู่รางระบายน้ำของนิคมฯ
Date Analysis Commenced	Sep 04, 2025
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
<b>Water Testing</b>							
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 28600 mg/l (Refer to Lot ID 2573735-1 : นาสพรพรทอง)

**Sampling By** : Chainusorn Lertnanthakunchai

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

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

Approved by

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** : HDPE3

**TESTING**  
No.0042  
**Lot ID: 2583201**  
Date Received : Oct 09, 2025  
Date Reported : Oct 17, 2025  
Report Number : 3396933-1

Page 1 of 2

Sample Number	2583201-1
Sampled Date	Oct 09, 2025 9:52 AM
Sample Description	Wastewater
Location	ปลายท่อน้ำทิ้งก่อนระบายออกสู่รางระบายน้ำของนิคมฯ
Date Analysis Commenced	Oct 09, 2025
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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<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	19	≤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	19	≤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	-	-	31.1	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	2940	≤29800(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	11	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Technical Management

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

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 :

Project Name : Environmental Monitoring

Project Location : HDPE3



TESTING

No.0042

Lot ID: 2583201

Date Received : Oct 09, 2025

Date Reported : Oct 17, 2025

Report Number : 3396933-1

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 24800 mg/L (Refer to Lot ID 2582787-1 : พาดทรายทอง)

**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

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 :

Project Name : Environmental Monitoring

Project Location : HDPE3

Lot ID: 2583201

Date Received : Oct 09, 2025

Date Reported : Oct 17, 2025

Report Number : 3396933-2

Page 1 of 1

Sample Number	2583201-1
Sampled Date	Oct 09, 2025 9:52 AM
Sample Description	Wastewater
Location	ปลายท่อน้ำทิ้งก่อนระบายออกสู่รางระบายน้ำของนิคมฯ
Date Analysis Commenced	Oct 10, 2025
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
<b>Water Testing</b>							
Dissolved Oxygen	mg/L	-	0.1	7.4	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 24800 mg/L (Refer to Lot ID 2582787-1 : พาดทรายทอง)

**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

**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: 2589780**  
Date Received : Nov 06, 2025  
Date Reported : Nov 13, 2025  
Report Number : 3412896-1

Page 1 of 2

Sample Number	2589780-1						
Sampled Date	Nov 06, 2025 10:05 AM						
Sample Description	Wastewater						
Location	ปลายท่อน้ำทิ้งก่อนระบายออกสู่รางระบายน้ำของนิคมฯ						
Date Analysis Commenced	Nov 06, 2025						
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	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	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		-	-	8.4	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	-	-	31.5	≤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	3700	(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	17	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Technical Management



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** :  
**Project Name** : Environmental Monitoring  
**Project Location** : HDPE3



**TESTING**  
No.0042  
**Lot ID: 2589780**  
Date Received : Nov 06, 2025  
Date Reported : Nov 13, 2025  
Report Number : 3412896-1

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.  
**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



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** :  
**Project Name** : Environmental Monitoring  
**Project Location** : HDPE3

**Lot ID: 2589780**  
Date Received : Nov 06, 2025  
Date Reported : Nov 15, 2025  
Report Number : 3412896-2

Page 1 of 1

**Sample Number** : 2589780-1  
**Sampled Date** : Nov 06, 2025 10:05 AM  
**Sample Description** : Wastewater  
**Location** : ปลายท่อน้ำทิ้งก่อนระบายออกสู่รางระบายน้ำของนิคมฯ  
**Date Analysis Commenced** : Nov 06, 2025  
**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
<b>Water Testing</b>							
Dissolved Oxygen	mg/L	-	0.1	7.4	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.

**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

**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: 25101700**  
Date Received : Dec 09, 2025  
Date Reported : Dec 17, 2025  
Report Number : 3442165-1

Page 1 of 2

**Sample Number** : 25101700-1  
**Sampled Date** : Dec 09, 2025 9:55 AM  
**Sample Description** : Wastewater  
**Location** : ปลายท่อน้ำทิ้งก่อนระบายออกสู่รางระบายน้ำของนิคมฯ  
**Date Analysis Commenced** : Dec 09, 2025  
**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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	35	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	14	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	14	≤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	-	-	29.8	≤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	3520	40250(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	10	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Technical Management

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 :

Project Name : Environmental Monitoring

Project Location : HDPE3



TESTING

No.0042

Lot ID: 25101700

Date Received : Dec 09, 2025

Date Reported : Dec 17, 2025

Report Number : 3442165-1

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 35250 mg/L (Refer to Lot ID 25101628-1 : พาดทรายทอง)

**Sampling By** : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ๖-323-๖-0041

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

Scientist (4)

ทะเบียนเลขที่ ๖-323-๖-0028

Approved by

Senior Manager

ทะเบียนเลขที่ ๖-323-๖-0001

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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 :

Project Name : Environmental Monitoring

Project Location : HDPE3

Lot ID: 25101700

Date Received : Dec 09, 2025

Date Reported : Dec 17, 2025

Report Number : 3442165-2

Page 1 of 1

Sample Number 25101700-1

Sampled Date Dec 09, 2025 9:55 AM

Sample Description Wastewater

Location ปลายทางน้ำที่ก่อนระบายออกสู่ทางระบายน้ำของนิคมฯ

Date Analysis Commenced Dec 09, 2025

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
<b>Water Testing</b>							
Dissolved Oxygen	mg/L	-	0.1	8.0	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 35250 mg/L (Refer to Lot ID 25101628-1 : พาดทรายทอง)

**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

**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: 2589784**  
Date Received : Nov 06, 2025  
Date Reported : Nov 13, 2025  
Report Number : 3412912-1

Page 1 of 2

**Sample Number** : 2589784-1  
**Sampled Date** : Nov 06, 2025 10:00 AM  
**Sample Description** : Wastewater  
**Location** : จุดปล่อยน้ำทิ้งของ HD3 รวมกับโรงงานใน Site 3  
**Date Analysis Commenced** : Nov 06, 2025  
**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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	3.8	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 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	17	≤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	-	-	30.9	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	5560	≤38200(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	7	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Technical Management



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

Approved by



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** :  
**Project Name** : Environmental Monitoring  
**Project Location** : HDPE3



**TESTING**  
No.0042  
**Lot ID: 2589784**  
Date Received : Nov 06, 2025  
Date Reported : Nov 13, 2025  
Report Number : 3412912-1

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 33200 mg/L (Refer to Lot ID 2589249-1 : ภาพประกอบ)

**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



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 :

Project Name : Environmental Monitoring

Project Location : HDPE3

Lot ID: 2589784

Date Received : Nov 06, 2025

Date Reported : Nov 13, 2025

Report Number : 3412912-2

Page 1 of 1

Sample Number	2589784-1						
Sampled Date	Nov 06, 2025 10:00 AM						
Sample Description	Wastewater						
Location	จุดปล่อยน้ำทิ้งของ HD3 รวมกับโรงงานใน Site 3						
Date Analysis Commenced	Nov 06, 2025						
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
<b>Water Testing</b>							
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	-	-	0.046	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 33200 mg/l (Refer to Lot ID 2589749-1 : นาสพรวณทอง)

**Sampling By :** Chainusorn Lertnanthakunchai

Remark :

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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 : TPE Site 3

Lot ID: 2583120

Date Received : Oct 30, 2025

Date Reported : Nov 07, 2025

Report Number : 3444602-2

Page 1 of 1

Sample Number	2583120-1						
Sampled Date	Oct 30, 2025 11:10 AM						
Sample Description	Groundwater						
Location	บ่อสังเกตการณ์ 1 MW1 : HDPE2						
Date Analysis Commenced	Nov 01, 2025						
Condition of Sample	Contained in two amber glass bottles, two glass vials and one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Organic Compounds</b>							
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
<b>Petroleum Hydrocarbons</b>							
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

**Sampling By :** Wanlop Hunchainaow , Pattarapol Sawangjaitam

Remark :

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

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Nanthawadee Somboun  
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 : TPE Site 3

Lot ID: 2583120

Date Received : Oct 30, 2025

Date Reported : Nov 07, 2025

Report Number : 3444603-2

Page 1 of 1

Sample Number	2583120-2						
Sampled Date	Oct 30, 2025 10:10 AM						
Sample Description	Groundwater						
Location	บ่อสังเกตการณ์ 2 MW2 : HDPE3						
Date Analysis Commenced	Nov 01, 2025						
Condition of Sample	Contained in two amber glass bottles, two glass vials and one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Organic Compounds</b>							
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
<b>Petroleum Hydrocarbons</b>							
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

**Sampling By :** Wanlop Hunchainaow , Pattarapol Sawangjaitam

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 :

Project Name : Environmental Monitoring

Project Location: TPE Site 3

Lot ID: 2583120

Date Received : Oct 30, 2025

Date Reported : Nov 07, 2025

Report Number : 3444604-2

Page 1 of 1

Sample Number	2583120-3						
Sampled Date	Oct 30, 2025 11:30 AM						
Sample Description	Groundwater						
Location	บ่อส่งเบกการณ์ 3 MW3 : HDPE2						
Date Analysis Commenced	Nov 01, 2025						
Condition of Sample	Contained in two amber glass bottles, two glass vials and one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Organic Compounds</b>							
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
<b>Petroleum Hydrocarbons</b>							
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

**Sampling By :** Wanlop Hunchainaow , Pattarapol Sawangjaitam

Remark :

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

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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: TPE Site 3

Lot ID: 2583120

Date Received : Oct 30, 2025

Date Reported : Nov 07, 2025

Report Number : 3444605-2

Page 1 of 1

Sample Number	2583120-4						
Sampled Date	Oct 30, 2025 10:35 AM						
Sample Description	Groundwater						
Location	บ่อส่งเบกการณ์ 4 MW4 : HDPE3						
Date Analysis Commenced	Nov 01, 2025						
Condition of Sample	Contained in two amber glass bottles, two glass vials and one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Organic Compounds</b>							
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
<b>Petroleum Hydrocarbons</b>							
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

**Sampling By :** Wanlop Hunchainaow , Pattarapol Sawangjaitam

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 :**  
**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	บ่อฝังเก็บคาร์บอน 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
<b>Organic Compounds</b>							
n-Hexane	mg/kg	-	0.2	<0.2	1000	United States Environmental Protection Agency, EPA Method 5035 and 8260 D	Bangkok
<b>Petroleum Hydrocarbons</b>							
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
<b>Soil Testing</b>							
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 :**

- Analysis Results expressed on dry basis
- 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

Kanokkorn ANEK  
Assistant General Manager  
ทะเบียนเลขที่ ว-204-จ-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 : 3445118-2

Page 1 of 1

Sample Number	2583111-1						
Sampled Date	Oct 30, 2025 10:55 AM						
Sample Description	Soil						
Location	บ่อฝังเก็บคาร์บอน 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
<b>Physical Parameters</b>							
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)

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Nanthawadee Somboon  
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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 : 3445119-1

Page 1 of 1

Sample Number	2583111-2						
Sampled Date	Oct 30, 2025 10:00 AM						
Sample Description	Soil						
Location	บ่อฝังกลบ 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
<b>Organic Compounds</b>							
n-Hexane	mg/kg	-	0.2	<0.2	1000	United States Environmental Protection Agency, EPA Method 5035 and 8260 D	Bangkok
<b>Petroleum Hydrocarbons</b>							
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
<b>Soil Testing</b>							
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 :**

- Analysis Results expressed on dry basis
- 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-Tetracontane and n-Pentatriacontane

Integration mode: Peak to Peak

**Sampling By :** Pattarapol Sawangjaitam ทะเบียนเลขที่ ๖-204-๖-0002

**Remark :**

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

Technical Management

Nanthawadee Somboon  
Specialist 2  
ทะเบียนเลขที่ ๖-204-๖-0010

Approved by

Assistant General Manager  
ทะเบียนเลขที่ ๖-204-๖-0004

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.

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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 : 3445119-2

Page 1 of 1

Sample Number	2583111-2						
Sampled Date	Oct 30, 2025 10:00 AM						
Sample Description	Soil						
Location	บ่อฝังกลบ 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
<b>Physical Parameters</b>							
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.

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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 : 3445120-1

Page 1 of 1

<b>Sample Number</b>	2583111-3						
<b>Sampled Date</b>	Oct 30, 2025 11:30 AM						
<b>Sample Description</b>	Soil						
<b>Location</b>	บ่อสังเคราะห์ 3 MW3 : HDPE2						
<b>Date Analysis Commenced</b>	Oct 31, 2025						
<b>Condition of Sample</b>	Packed in one glass bottle and one plastic bag, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
<b>Analyte</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ (LOR)</b>	<b>Result</b>	<b>Guideline / Specification</b>	<b>Method</b>	<b>Testing Location</b>
<b>Organic Compounds</b>							
n-Hexane	mg/kg	-	0.2	<0.2	1000	United States Environmental Protection Agency, EPA Method 5035 and 8260 D	Bangkok
<b>Petroleum Hydrocarbons</b>							
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
<b>Soil Testing</b>							
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 :**

- Analysis Results expressed on dry basis
- 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-Tetracontane and n-Pentatriacontane

Integration mode: Peak to Peak

**Sampling By :** Pattarapol Sawangjaitam ทะเบียนเลขที่ ๖-204-๖-0002

**Remark :**

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

Technical Management

Specialist 2  
ทะเบียนเลขที่ ๖-204-๖-0010

Approved by

Assistant General Manager  
ทะเบียนเลขที่ ๖-204-๖-0004

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.

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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 : 3445120-2

Page 1 of 1

<b>Sample Number</b>	2583111-3						
<b>Sampled Date</b>	Oct 30, 2025 11:30 AM						
<b>Sample Description</b>	Soil						
<b>Location</b>	บ่อสังเคราะห์ 3 MW3 : HDPE2						
<b>Date Analysis Commenced</b>	Nov 01, 2025						
<b>Condition of Sample</b>	Packed in one glass bottle and one plastic bag, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
<b>Analyte</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ (LOR)</b>	<b>Result</b>	<b>Guideline / Specification</b>	<b>Method</b>	<b>Testing Location</b>
<b>Physical Parameters</b>							
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 Sombon  
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

<b>Sample Number</b>	2583111-4						
<b>Sampled Date</b>	Oct 30, 2025 10:30 AM						
<b>Sample Description</b>	Soil						
<b>Location</b>	บ่อฝังกลบ 4 MW4 : HDPE3						
<b>Date Analysis Commenced</b>	Oct 31, 2025						
<b>Condition of Sample</b>	Packed in one glass bottle and one plastic bag, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
<b>Analyte</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ (LOR)</b>	<b>Result</b>	<b>Guideline / Specification</b>	<b>Method</b>	<b>Testing Location</b>
<b>Organic Compounds</b>							
n-Hexane	mg/kg	-	0.2	<0.2	1000	United States Environmental Protection Agency, EPA Method 5035 and 8260 D	Bangkok
<b>Petroleum Hydrocarbons</b>							
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
<b>Soil Testing</b>							
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 :**

- Analysis Results expressed on dry basis
- 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-Tetracontane 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

Specialist 2

ทะเบียนเลขที่ ว-204-จ-0010

Approved by

Assistant General Manager

ทะเบียนเลขที่ ว-204-จ-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 : 3445121-2

Page 1 of 1

<b>Sample Number</b>	2583111-4						
<b>Sampled Date</b>	Oct 30, 2025 10:30 AM						
<b>Sample Description</b>	Soil						
<b>Location</b>	บ่อฝังกลบ 4 MW4 : HDPE3						
<b>Date Analysis Commenced</b>	Nov 01, 2025						
<b>Condition of Sample</b>	Packed in one glass bottle and one plastic bag, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
<b>Analyte</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ (LOR)</b>	<b>Result</b>	<b>Guideline / Specification</b>	<b>Method</b>	<b>Testing Location</b>
<b>Physical Parameters</b>							
Moisture	%	-	0.1	1.1	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

Specialist 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 : TPE Site 3

Lot ID: 2589737

Date Received : Nov 18, 2025

Date Reported : Nov 21, 2025

Report Number: 3456496-1

Page 1 of 1

Sample Number 2589737-1  
Parameter Noise (Leq 24 hrs.)  
Location บริเวณทางเข้าพื้นที่ SCG Chemicals Site#3 (GPS 47P 0733710, 1407346)  
Measurement Date Nov 11 - Nov 12, 2025  
Measurement by Sawai Tonpho  
Sound Level meter Serial No. 572561

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	61.2	77.9	57.7
01:00 PM - 02:00 PM	61.8	82.4	57.6
02:00 PM - 03:00 PM	63.5	80.0	58.5
03:00 PM - 04:00 PM	62.5	85.4	58.0
04:00 PM - 05:00 PM	61.9	77.7	57.9
05:00 PM - 06:00 PM	63.2	86.6	58.5
06:00 PM - 07:00 PM	63.9	82.5	59.7
07:00 PM - 08:00 PM	64.1	89.7	59.3
08:00 PM - 09:00 PM	63.3	86.7	58.6
09:00 PM - 10:00 PM	62.4	81.1	58.0
10:00 PM - 11:00 PM	62.1	88.9	56.5
11:00 PM - 12:00 AM	59.7	82.8	55.4
12:00 AM - 01:00 AM	57.0	76.0	54.4
01:00 AM - 02:00 AM	58.2	77.4	54.5
02:00 AM - 03:00 AM	57.5	78.6	54.1
03:00 AM - 04:00 AM	56.1	76.9	53.7
04:00 AM - 05:00 AM	56.5	75.4	53.4
05:00 AM - 06:00 AM	56.3	75.9	53.8
06:00 AM - 07:00 AM	57.6	76.4	53.6
07:00 AM - 08:00 AM	65.2	89.0	57.1
08:00 AM - 09:00 AM	66.4	85.4	61.4
09:00 AM - 10:00 AM	63.4	79.7	58.2
10:00 AM - 11:00 AM	61.4	81.7	56.6
11:00 AM - 12:00 PM	61.5	80.8	57.2

Leq Average 24 hrs. (dB(A)) 62.0  
Lmax (dB(A)) 89.7  
L90 (dB(A)) 57.2  
Ldn (dB(A)) 65.9  
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

Scientist (3)

Approved by

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 :

Project Name : Environmental Monitoring

Project Location : TPE Site 3

Lot ID: 2589737

Date Received : Nov 18, 2025

Date Reported : Nov 21, 2025

Report Number: 3456497-1

Page 1 of 1

Sample Number 2589737-2  
Parameter Noise (Leq 24 hrs.)  
Location บริเวณทางเข้าพื้นที่ SCG Chemicals Site#3 (GPS 47P 0733710, 1407346)  
Measurement Date Nov 12 - Nov 13, 2025  
Measurement by Sawai Tonpho  
Sound Level meter Serial No. 572561

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	61.6	77.5	57.4
01:00 PM - 02:00 PM	61.4	79.1	57.1
02:00 PM - 03:00 PM	62.0	81.1	57.5
03:00 PM - 04:00 PM	59.9	75.7	56.3
04:00 PM - 05:00 PM	60.2	81.8	56.4
05:00 PM - 06:00 PM	63.1	83.4	57.8
06:00 PM - 07:00 PM	63.2	80.0	58.6
07:00 PM - 08:00 PM	63.9	91.0	58.3
08:00 PM - 09:00 PM	62.8	86.3	57.0
09:00 PM - 10:00 PM	62.5	83.0	56.7
10:00 PM - 11:00 PM	60.6	83.4	55.4
11:00 PM - 12:00 AM	61.3	90.3	54.8
12:00 AM - 01:00 AM	50.9	79.5	54.0
01:00 AM - 02:00 AM	57.6	78.1	53.9
02:00 AM - 03:00 AM	56.5	76.5	53.9
03:00 AM - 04:00 AM	55.9	76.7	53.8
04:00 AM - 05:00 AM	55.6	71.5	53.3
05:00 AM - 06:00 AM	55.2	74.6	52.5
06:00 AM - 07:00 AM	59.0	73.9	54.1
07:00 AM - 08:00 AM	63.0	78.8	57.5
08:00 AM - 09:00 AM	67.0	85.3	61.5
09:00 AM - 10:00 AM	64.8	82.3	59.1
10:00 AM - 11:00 AM	61.0	78.7	56.2
11:00 AM - 12:00 PM	61.3	77.8	56.8

Leq Average 24 hrs. (dB(A)) 61.7  
Lmax (dB(A)) 91.0  
L90 (dB(A)) 56.4  
Ldn (dB(A)) 65.8  
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

Scientist (3)

Approved by

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 :

Project Name : Environmental Monitoring

Project Location : TPE Site 3

Lot ID: 2589737

Date Received : Nov 18, 2025

Date Reported : Nov 21, 2025

Report Number: 3456498-1

Page 1 of 1

Sample Number 2589737-3  
Parameter Noise (Leq 24 hrs.)  
Location บริเวณทางเข้าพื้นที่ SCG Chemicals Site#3 (GPS 47P 0733710, 1407346)  
Measurement Date Nov 13 - Nov 14, 2025  
Measurement by Sawai Tonpho  
Sound Level meter Serial No. 572561

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	64.5	84.8	58.7
01:00 PM - 02:00 PM	63.1	82.8	58.5
02:00 PM - 03:00 PM	62.4	83.4	58.0
03:00 PM - 04:00 PM	60.3	79.7	57.6
04:00 PM - 05:00 PM	60.2	76.3	57.7
05:00 PM - 06:00 PM	69.0	89.2	58.4
06:00 PM - 07:00 PM	64.8	83.3	60.3
07:00 PM - 08:00 PM	63.6	83.6	59.4
08:00 PM - 09:00 PM	66.1	97.1	58.7
09:00 PM - 10:00 PM	62.6	80.1	57.3
10:00 PM - 11:00 PM	60.5	82.6	56.5
11:00 PM - 12:00 AM	60.0	79.4	55.5
12:00 AM - 01:00 AM	59.4	81.7	55.3
01:00 AM - 02:00 AM	58.6	80.8	54.4
02:00 AM - 03:00 AM	57.6	80.4	53.9
03:00 AM - 04:00 AM	56.7	83.3	54.1
04:00 AM - 05:00 AM	56.6	72.4	54.3
05:00 AM - 06:00 AM	57.0	69.1	54.7
06:00 AM - 07:00 AM	59.4	75.6	55.8
07:00 AM - 08:00 AM	63.4	81.3	58.5
08:00 AM - 09:00 AM	67.0	83.3	61.9
09:00 AM - 10:00 AM	64.3	83.0	59.0
10:00 AM - 11:00 AM	62.6	86.1	57.7
11:00 AM - 12:00 PM	62.4	77.3	56.2

Leq Average 24 hrs. (dB(A)) 63.0  
Lmax (dB(A)) 97.1  
L90 (dB(A)) 57.6  
Ldn (dB(A)) 66.5  
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

Scientist (3)

Approved by

Section Head

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S:\Reports\_Air Noise.rpt ( 3:39PM)



## 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 : TPE Site 3

Lot ID: 2589737

Date Received : Nov 18, 2025

Date Reported : Nov 21, 2025

Report Number: 3456499-1

Page 1 of 1

Sample Number 2589737-4  
Parameter Noise (Leq 24 hrs.)  
Location บริเวณทางเข้าพื้นที่ SCG Chemicals Site#3 (GPS 47P 0733710, 1407346)  
Measurement Date Nov 14 - Nov 15, 2025  
Measurement by Sawai Tonpho  
Sound Level meter Serial No. 572561

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	64.0	97.0	57.2
01:00 PM - 02:00 PM	62.0	88.4	55.8
02:00 PM - 03:00 PM	61.6	80.1	56.0
03:00 PM - 04:00 PM	60.1	77.3	55.2
04:00 PM - 05:00 PM	60.4	80.3	55.6
05:00 PM - 06:00 PM	63.1	82.2	57.1
06:00 PM - 07:00 PM	62.4	78.3	58.1
07:00 PM - 08:00 PM	61.8	81.4	57.3
08:00 PM - 09:00 PM	62.7	83.9	56.4
09:00 PM - 10:00 PM	61.6	89.0	55.5
10:00 PM - 11:00 PM	59.8	80.5	53.8
11:00 PM - 12:00 AM	60.2	82.8	53.5
12:00 AM - 01:00 AM	59.0	75.1	53.2
01:00 AM - 02:00 AM	57.6	78.3	53.0
02:00 AM - 03:00 AM	55.9	71.4	52.1
03:00 AM - 04:00 AM	55.6	79.1	52.4
04:00 AM - 05:00 AM	54.7	76.0	52.7
05:00 AM - 06:00 AM	55.9	73.4	52.4
06:00 AM - 07:00 AM	58.2	75.9	53.3
07:00 AM - 08:00 AM	62.2	81.4	56.8
08:00 AM - 09:00 AM	65.6	83.7	60.0
09:00 AM - 10:00 AM	63.0	79.7	57.2
10:00 AM - 11:00 AM	62.2	95.3	57.2
11:00 AM - 12:00 PM	62.0	81.8	57.2

Leq Average 24 hrs. (dB(A)) 61.3  
Lmax (dB(A)) 97.0  
L90 (dB(A)) 55.6  
Ldn (dB(A)) 65.3  
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

Scientist (3)

Approved by

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 :

Project Name : Environmental Monitoring

Project Location : TPE Site 3

Lot ID: 2589737

Date Received : Nov 18, 2025

Date Reported : Nov 21, 2025

Report Number: 3456500-1

Page 1 of 1

Sample Number 2589737-5  
Parameter Noise (Leq 24 hrs.)  
Location บริเวณทางเข้าพื้นที่ SCG Chemicals Site#3 (GPS 47P 0733710, 1407346)  
Measurement Date Nov 15 - Nov 16, 2025  
Measurement by Sawai Tonpho  
Sound Level meter Serial No. 572561

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	61.8	82.5	56.9
01:00 PM - 02:00 PM	61.1	84.5	56.6
02:00 PM - 03:00 PM	61.7	79.5	56.7
03:00 PM - 04:00 PM	59.3	74.1	55.9
04:00 PM - 05:00 PM	60.9	80.5	56.8
05:00 PM - 06:00 PM	61.4	79.0	57.0
06:00 PM - 07:00 PM	63.0	84.8	58.6
07:00 PM - 08:00 PM	62.7	87.9	57.6
08:00 PM - 09:00 PM	62.1	83.5	57.6
09:00 PM - 10:00 PM	63.0	92.7	57.0
10:00 PM - 11:00 PM	60.8	82.0	56.0
11:00 PM - 12:00 AM	59.1	80.2	55.8
12:00 AM - 01:00 AM	57.4	74.1	54.6
01:00 AM - 02:00 AM	57.9	76.2	54.7
02:00 AM - 03:00 AM	57.9	81.2	54.4
03:00 AM - 04:00 AM	56.1	70.9	54.0
04:00 AM - 05:00 AM	55.4	75.7	53.1
05:00 AM - 06:00 AM	55.4	69.9	53.6
06:00 AM - 07:00 AM	58.3	79.4	53.9
07:00 AM - 08:00 AM	61.4	82.0	56.3
08:00 AM - 09:00 AM	63.7	82.5	58.0
09:00 AM - 10:00 AM	61.2	81.4	57.0
10:00 AM - 11:00 AM	60.6	79.9	55.8
11:00 AM - 12:00 PM	59.9	76.8	55.4

Leq Average 24 hrs. (dB(A)) 60.7  
Lmax (dB(A)) 92.7  
L90 (dB(A)) 56.0  
Ldn (dB(A)) 65.1  
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

Scientist (3)

Approved by

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 :

Project Name : Environmental Monitoring

Project Location : TPE Site 3

Lot ID: 2589737

Date Received : Nov 18, 2025

Date Reported : Nov 21, 2025

Report Number: 3456501-1

Page 1 of 1

Sample Number 2589737-6  
Parameter Noise (Leq 24 hrs.)  
Location บริเวณทางเข้าพื้นที่ SCG Chemicals Site#3 (GPS 47P 0733710, 1407346)  
Measurement Date Nov 16 - Nov 17, 2025  
Measurement by Sawai Tonpho  
Sound Level meter Serial No. 572561

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	59.1	77.0	56.0
01:00 PM - 02:00 PM	60.5	80.9	55.7
02:00 PM - 03:00 PM	60.2	81.0	55.4
03:00 PM - 04:00 PM	59.0	75.9	55.5
04:00 PM - 05:00 PM	58.8	73.9	55.3
05:00 PM - 06:00 PM	60.0	78.3	56.1
06:00 PM - 07:00 PM	60.7	76.6	56.2
07:00 PM - 08:00 PM	61.6	78.7	56.9
08:00 PM - 09:00 PM	62.0	82.7	56.8
09:00 PM - 10:00 PM	61.6	79.3	56.4
10:00 PM - 11:00 PM	59.1	76.0	54.7
11:00 PM - 12:00 AM	57.6	75.1	53.2
12:00 AM - 01:00 AM	57.3	75.2	53.4
01:00 AM - 02:00 AM	57.5	79.4	53.7
02:00 AM - 03:00 AM	55.6	74.1	52.5
03:00 AM - 04:00 AM	54.4	71.0	52.1
04:00 AM - 05:00 AM	54.7	73.3	52.3
05:00 AM - 06:00 AM	55.2	75.4	52.7
06:00 AM - 07:00 AM	57.7	74.2	53.9
07:00 AM - 08:00 AM	63.0	79.3	57.7
08:00 AM - 09:00 AM	66.9	85.4	61.3
09:00 AM - 10:00 AM	67.3	80.5	59.3
10:00 AM - 11:00 AM	61.5	79.4	56.8
11:00 AM - 12:00 PM	60.1	79.9	56.0

Leq Average 24 hrs. (dB(A)) 61.0  
Lmax (dB(A)) 85.4  
L90 (dB(A)) 55.5  
Ldn (dB(A)) 64.6  
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

Scientist (3)

Approved by

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 :

Project Name : Environmental Monitoring

Project Location : TPE Site 3

Lot ID: 2589737

Date Received : Nov 18, 2025

Date Reported : Nov 21, 2025

Report Number: 3456502-1

Page 1 of 1

Sample Number 2589737-7  
Parameter Noise (Leq 24 hrs.)  
Location บริเวณทางเข้าพื้นที่ SCG Chemicals Site#3 (GPS 47P 0733710, 1407346)  
Measurement Date Nov 17 - Nov 18, 2025  
Measurement by Sawai Tonpho  
Sound Level meter Serial No. 572561

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	60.4	86.4	55.9
01:00 PM - 02:00 PM	60.7	76.8	56.4
02:00 PM - 03:00 PM	61.6	79.1	56.8
03:00 PM - 04:00 PM	59.7	72.7	56.2
04:00 PM - 05:00 PM	60.2	84.0	56.2
05:00 PM - 06:00 PM	62.1	86.0	57.7
06:00 PM - 07:00 PM	62.9	78.4	58.8
07:00 PM - 08:00 PM	62.4	79.8	58.6
08:00 PM - 09:00 PM	62.7	80.7	58.4
09:00 PM - 10:00 PM	62.1	80.4	57.5
10:00 PM - 11:00 PM	59.5	76.4	55.6
11:00 PM - 12:00 AM	58.9	78.6	54.4
12:00 AM - 01:00 AM	56.9	73.6	53.7
01:00 AM - 02:00 AM	57.0	82.9	53.5
02:00 AM - 03:00 AM	56.7	75.5	53.6
03:00 AM - 04:00 AM	55.5	71.4	53.2
04:00 AM - 05:00 AM	55.6	70.5	53.4
05:00 AM - 06:00 AM	56.1	71.5	53.9
06:00 AM - 07:00 AM	58.4	72.6	54.5
07:00 AM - 08:00 AM	63.8	84.0	59.2
08:00 AM - 09:00 AM	67.0	86.3	61.8
09:00 AM - 10:00 AM	63.8	80.3	58.7
10:00 AM - 11:00 AM	60.7	82.4	56.3
11:00 AM - 12:00 PM	59.9	77.9	55.9

Leq Average 24 hrs. (dB(A)) 61.2  
Lmax (dB(A)) 86.4  
L90 (dB(A)) 56.2  
Ldn (dB(A)) 65.0  
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

Scientist (3)

Approved by

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 :

Project Name : Environmental Monitoring

Project Location : TPE Site 3

Lot ID: 2589737

Date Received : Nov 18, 2025

Date Reported : Nov 21, 2025

Report Number: 3456503-1

Page 1 of 1

Sample Number 2589737-8  
Parameter Noise (Leq 24 hrs.)  
Location ด้านทิศตะวันออกของ SCG Chemicals Site#3 (GPS 47P 0734053, 1406462)  
Measurement Date Nov 11 - Nov 12, 2025  
Measurement by Sawai Tonpho  
Sound Level meter Serial No. 296517

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	54.1	75.8	51.9
01:00 PM - 02:00 PM	54.8	73.4	53.2
02:00 PM - 03:00 PM	58.4	92.9	52.3
03:00 PM - 04:00 PM	55.2	76.3	53.8
04:00 PM - 05:00 PM	55.1	68.5	54.0
05:00 PM - 06:00 PM	55.5	73.2	54.1
06:00 PM - 07:00 PM	55.5	82.0	54.4
07:00 PM - 08:00 PM	54.3	63.8	53.3
08:00 PM - 09:00 PM	55.7	63.6	54.5
09:00 PM - 10:00 PM	53.2	59.8	51.9
10:00 PM - 11:00 PM	53.7	64.4	52.9
11:00 PM - 12:00 AM	53.8	59.2	53.2
12:00 AM - 01:00 AM	53.0	57.4	53.1
01:00 AM - 02:00 AM	53.7	64.4	53.0
02:00 AM - 03:00 AM	53.8	64.1	52.6
03:00 AM - 04:00 AM	52.6	60.1	51.8
04:00 AM - 05:00 AM	52.6	58.9	51.8
05:00 AM - 06:00 AM	52.2	70.6	51.3
06:00 AM - 07:00 AM	53.2	66.1	51.6
07:00 AM - 08:00 AM	53.8	72.9	51.4
08:00 AM - 09:00 AM	52.7	75.7	50.6
09:00 AM - 10:00 AM	52.4	69.1	51.2
10:00 AM - 11:00 AM	55.2	65.0	53.6
11:00 AM - 12:00 PM	62.5	92.4	53.3

Leq Average 24 hrs. (dB(A)) 55.3  
Lmax (dB(A)) 92.9  
L90 (dB(A)) 52.9  
Ldn (dB(A)) 60.3  
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

Scientist (3)

Approved by

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 :

Project Name : Environmental Monitoring

Project Location : TPE Site 3

Lot ID: 2589737

Date Received : Nov 18, 2025

Date Reported : Nov 21, 2025

Report Number: 3456504-1

Page 1 of 1

Sample Number 2589737-9  
Parameter Noise (Leq 24 hrs.)  
Location ด้านทิศตะวันออกของ SCG Chemicals Site#3 (GPS 47P 0734053, 1406462)  
Measurement Date Nov 12 - Nov 13, 2025  
Measurement by Sawai Tonpho  
Sound Level meter Serial No. 296517

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	54.7	78.1	51.4
01:00 PM - 02:00 PM	53.5	65.2	51.2
02:00 PM - 03:00 PM	53.3	61.7	51.5
03:00 PM - 04:00 PM	52.3	62.3	50.8
04:00 PM - 05:00 PM	52.4	72.1	50.8
05:00 PM - 06:00 PM	52.8	65.6	51.1
06:00 PM - 07:00 PM	53.1	70.8	51.2
07:00 PM - 08:00 PM	54.1	72.0	51.3
08:00 PM - 09:00 PM	52.0	56.1	51.5
09:00 PM - 10:00 PM	51.7	58.1	51.1
10:00 PM - 11:00 PM	52.5	71.2	51.4
11:00 PM - 12:00 AM	51.8	60.6	51.0
12:00 AM - 01:00 AM	52.1	74.3	51.3
01:00 AM - 02:00 AM	51.4	59.8	50.7
02:00 AM - 03:00 AM	52.9	67.7	51.1
03:00 AM - 04:00 AM	51.9	57.3	51.3
04:00 AM - 05:00 AM	51.4	54.4	50.8
05:00 AM - 06:00 AM	53.9	68.5	51.2
06:00 AM - 07:00 AM	53.9	70.8	51.7
07:00 AM - 08:00 AM	52.7	64.4	51.4
08:00 AM - 09:00 AM	51.3	59.9	50.3
09:00 AM - 10:00 AM	52.4	74.2	50.6
10:00 AM - 11:00 AM	55.1	78.0	50.3
11:00 AM - 12:00 PM	57.0	70.6	53.7

Leq Average 24 hrs. (dB(A)) 53.2  
Lmax (dB(A)) 78.1  
L90 (dB(A)) 51.2  
Ldn (dB(A)) 59.1  
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

Scientist (3)

Approved by

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 :

Project Name : Environmental Monitoring

Project Location : TPE Site 3

Lot ID: 2589737

Date Received : Nov 18, 2025

Date Reported : Nov 21, 2025

Report Number: 3456505-1

Page 1 of 1

Sample Number 2589737-10  
Parameter Noise (Leq 24 hrs.)  
Location ด้านทิศตะวันออกของ SCG Chemicals Site#3 (GPS 47P 0734053, 1406462)  
Measurement Date Nov 13 - Nov 14, 2025  
Measurement by Sawai Tonpho  
Sound Level meter Serial No. 296517

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	53.4	70.2	51.6
01:00 PM - 02:00 PM	53.6	58.9	51.7
02:00 PM - 03:00 PM	54.4	62.4	53.4
03:00 PM - 04:00 PM	55.2	65.6	54.1
04:00 PM - 05:00 PM	60.5	88.0	53.4
05:00 PM - 06:00 PM	58.8	81.8	55.0
06:00 PM - 07:00 PM	55.5	73.5	53.1
07:00 PM - 08:00 PM	53.1	62.3	51.8
08:00 PM - 09:00 PM	52.3	64.2	51.3
09:00 PM - 10:00 PM	54.1	80.3	51.8
10:00 PM - 11:00 PM	54.1	70.2	53.3
11:00 PM - 12:00 AM	53.6	60.4	52.9
12:00 AM - 01:00 AM	53.0	72.7	52.9
01:00 AM - 02:00 AM	53.4	56.5	52.6
02:00 AM - 03:00 AM	53.3	57.5	52.6
03:00 AM - 04:00 AM	53.8	68.5	52.8
04:00 AM - 05:00 AM	53.0	67.3	52.5
05:00 AM - 06:00 AM	54.2	70.0	52.9
06:00 AM - 07:00 AM	55.7	70.5	53.4
07:00 AM - 08:00 AM	54.5	66.0	53.4
08:00 AM - 09:00 AM	54.6	74.4	51.7
09:00 AM - 10:00 AM	54.0	65.4	51.8
10:00 AM - 11:00 AM	53.7	75.9	50.8
11:00 AM - 12:00 PM	52.9	66.8	50.3

Leq Average 24 hrs. (dB(A)) 54.9  
Lmax (dB(A)) 88.0  
L90 (dB(A)) 52.6  
Ldn (dB(A)) 60.6  
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

Scientist (3)

Approved by

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 :

Project Name : Environmental Monitoring

Project Location : TPE Site 3

Lot ID: 2589737

Date Received : Nov 18, 2025

Date Reported : Nov 21, 2025

Report Number: 3456506-1

Page 1 of 1

Sample Number 2589737-11  
Parameter Noise (Leq 24 hrs.)  
Location ด้านทิศตะวันออกของ SCG Chemicals Site#3 (GPS 47P 0734053, 1406462)  
Measurement Date Nov 14 - Nov 15, 2025  
Measurement by Sawai Tonpho  
Sound Level meter Serial No. 296517

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	51.4	63.7	50.0
01:00 PM - 02:00 PM	51.0	58.7	49.8
02:00 PM - 03:00 PM	52.1	68.4	50.1
03:00 PM - 04:00 PM	53.1	69.1	50.8
04:00 PM - 05:00 PM	54.0	66.7	52.2
05:00 PM - 06:00 PM	54.2	74.2	52.2
06:00 PM - 07:00 PM	53.9	72.1	52.0
07:00 PM - 08:00 PM	52.8	62.4	51.7
08:00 PM - 09:00 PM	52.4	61.5	51.8
09:00 PM - 10:00 PM	52.8	64.5	51.8
10:00 PM - 11:00 PM	52.7	60.9	51.9
11:00 PM - 12:00 AM	52.3	64.3	51.4
12:00 AM - 01:00 AM	52.6	63.6	51.9
01:00 AM - 02:00 AM	52.0	65.0	51.3
02:00 AM - 03:00 AM	52.6	68.1	51.5
03:00 AM - 04:00 AM	53.1	59.1	52.3
04:00 AM - 05:00 AM	52.8	69.6	51.7
05:00 AM - 06:00 AM	53.5	70.5	52.2
06:00 AM - 07:00 AM	55.4	73.5	52.5
07:00 AM - 08:00 AM	55.2	71.1	53.0
08:00 AM - 09:00 AM	53.5	68.9	51.9
09:00 AM - 10:00 AM	54.3	82.2	52.0
10:00 AM - 11:00 AM	51.6	66.2	50.4
11:00 AM - 12:00 PM	51.2	61.0	50.2

Leq Average 24 hrs. (dB(A)) 53.1  
Lmax (dB(A)) 82.2  
L90 (dB(A)) 51.8  
Ldn (dB(A)) 59.5  
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

Scientist (3)

Approved by

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 :

Project Name : Environmental Monitoring

Project Location : TPE Site 3

Lot ID: 2589737

Date Received : Nov 18, 2025

Date Reported : Nov 21, 2025

Report Number: 3456507-1

Page 1 of 1

Sample Number 2589737-12  
Parameter Noise (Leq 24 hrs.)  
Location ด้านทิศตะวันออกของ SCG Chemicals Site#3 (GPS 47P 0734053, 1406462)  
Measurement Date Nov 15 - Nov 16, 2025  
Measurement by Sawai Tonpho  
Sound Level meter Serial No. 296517

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	51.8	63.6	50.4
01:00 PM - 02:00 PM	52.3	72.3	50.3
02:00 PM - 03:00 PM	53.6	71.7	50.5
03:00 PM - 04:00 PM	52.9	69.8	50.8
04:00 PM - 05:00 PM	52.2	68.9	50.5
05:00 PM - 06:00 PM	53.1	84.8	51.3
06:00 PM - 07:00 PM	54.0	70.2	51.8
07:00 PM - 08:00 PM	54.3	67.7	53.2
08:00 PM - 09:00 PM	53.6	61.7	52.8
09:00 PM - 10:00 PM	53.4	63.1	52.5
10:00 PM - 11:00 PM	53.5	65.9	52.6
11:00 PM - 12:00 AM	53.6	62.7	52.9
12:00 AM - 01:00 AM	53.0	61.3	53.1
01:00 AM - 02:00 AM	54.3	67.8	53.6
02:00 AM - 03:00 AM	53.9	64.6	53.4
03:00 AM - 04:00 AM	53.8	61.8	53.2
04:00 AM - 05:00 AM	53.7	60.0	53.1
05:00 AM - 06:00 AM	53.5	63.1	52.9
06:00 AM - 07:00 AM	52.5	60.7	51.7
07:00 AM - 08:00 AM	52.1	64.1	51.2
08:00 AM - 09:00 AM	52.4	63.4	51.7
09:00 AM - 10:00 AM	53.2	62.9	52.3
10:00 AM - 11:00 AM	53.3	65.7	52.4
11:00 AM - 12:00 PM	53.4	62.5	52.7

Leq Average 24 hrs. (dB(A)) 53.3  
Lmax (dB(A)) 84.8  
L90 (dB(A)) 52.4  
Ldn (dB(A)) 60.0  
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

Scientist (3)

Approved by

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 :

Project Name : Environmental Monitoring

Project Location : TPE Site 3

Lot ID: 2589737

Date Received : Nov 18, 2025

Date Reported : Nov 21, 2025

Report Number: 3456508-1

Page 1 of 1

Sample Number 2589737-13  
Parameter Noise (Leq 24 hrs.)  
Location ด้านทิศตะวันออกของ SCG Chemicals Site#3 (GPS 47P 0734053, 1406462)  
Measurement Date Nov 16 - Nov 17, 2025  
Measurement by Sawai Tonpho  
Sound Level meter Serial No. 296517

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	51.2	63.5	49.8
01:00 PM - 02:00 PM	50.8	58.5	49.6
02:00 PM - 03:00 PM	51.9	68.2	49.9
03:00 PM - 04:00 PM	56.8	70.4	53.5
04:00 PM - 05:00 PM	53.2	70.0	51.4
05:00 PM - 06:00 PM	53.4	58.7	51.5
06:00 PM - 07:00 PM	54.2	62.2	53.2
07:00 PM - 08:00 PM	53.8	70.0	51.6
08:00 PM - 09:00 PM	54.1	67.5	53.0
09:00 PM - 10:00 PM	53.4	61.5	52.6
10:00 PM - 11:00 PM	53.9	80.1	51.6
11:00 PM - 12:00 AM	53.9	70.0	53.1
12:00 AM - 01:00 AM	53.4	60.2	52.7
01:00 AM - 02:00 AM	53.6	72.5	52.7
02:00 AM - 03:00 AM	55.3	73.0	53.9
03:00 AM - 04:00 AM	55.3	81.8	54.2
04:00 AM - 05:00 AM	54.1	63.6	53.1
05:00 AM - 06:00 AM	55.5	63.4	54.3
06:00 AM - 07:00 AM	52.1	62.1	50.6
07:00 AM - 08:00 AM	52.2	71.9	50.6
08:00 AM - 09:00 AM	52.6	65.4	50.9
09:00 AM - 10:00 AM	52.5	64.2	51.2
10:00 AM - 11:00 AM	51.1	59.7	50.1
11:00 AM - 12:00 PM	52.2	74.0	50.4

Leq Average 24 hrs. (dB(A)) 53.6  
Lmax (dB(A)) 81.8  
L90 (dB(A)) 51.6  
Ldn (dB(A)) 60.5  
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

Scientist (3)

Approved by

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 :

Project Name : Environmental Monitoring

Project Location : TPE Site 3

Lot ID: 2589737

Date Received : Nov 18, 2025

Date Reported : Nov 21, 2025

Report Number: 3456509-1

Page 1 of 1

Sample Number 2589737-14  
Parameter Noise (Leq 24 hrs.)  
Location ด้านทิศตะวันออกของ SCG Chemicals Site#3 (GPS 47P 0734053, 1406462)  
Measurement Date Nov 17 - Nov 18, 2025  
Measurement by Sawai Tonpho  
Sound Level meter Serial No. 296517

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	54.9	77.8	50.1
01:00 PM - 02:00 PM	54.4	74.2	51.5
02:00 PM - 03:00 PM	53.8	65.2	51.6
03:00 PM - 04:00 PM	53.5	75.7	50.6
04:00 PM - 05:00 PM	52.7	66.6	50.1
05:00 PM - 06:00 PM	51.7	57.1	51.1
06:00 PM - 07:00 PM	51.2	54.2	50.6
07:00 PM - 08:00 PM	53.7	68.3	51.0
08:00 PM - 09:00 PM	53.7	70.6	51.5
09:00 PM - 10:00 PM	52.6	62.2	51.5
10:00 PM - 11:00 PM	52.2	61.3	51.6
11:00 PM - 12:00 AM	52.6	64.3	51.6
12:00 AM - 01:00 AM	55.3	73.3	52.9
01:00 AM - 02:00 AM	52.9	62.1	51.6
02:00 AM - 03:00 AM	52.1	64.0	51.1
03:00 AM - 04:00 AM	52.9	70.6	51.0
04:00 AM - 05:00 AM	53.9	71.8	51.1
05:00 AM - 06:00 AM	51.8	55.9	51.3
06:00 AM - 07:00 AM	53.6	72.7	51.2
07:00 AM - 08:00 AM	52.5	75.5	50.4
08:00 AM - 09:00 AM	52.2	68.9	51.0
09:00 AM - 10:00 AM	51.9	74.1	51.1
10:00 AM - 11:00 AM	51.2	59.6	50.5
11:00 AM - 12:00 PM	52.7	67.5	50.9

Leq Average 24 hrs. (dB(A)) 53.1  
Lmax (dB(A)) 77.8  
L90 (dB(A)) 51.1  
Ldn (dB(A)) 59.5  
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

Scientist (3)

Approved by

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 :

Project Name : Environmental Monitoring

Project Location : TPE Site 3

Lot ID: 2589737

Date Received : Nov 18, 2025

Date Reported : Nov 21, 2025

Report Number: 3456510-1

Page 1 of 1

Sample Number 2589737-15  
Parameter Noise (Leq 24 hrs.)  
Location บ้านเมืองใหม่บางตาพูด หรือใกล้เคียง (GPS 47P 0734651, 1406341)  
Measurement Date Nov 11 - Nov 12, 2025  
Measurement by Sawai Tonpho  
Sound Level meter Serial No. 623394

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	49.0	72.8	44.3
01:00 PM - 02:00 PM	60.7	80.5	43.1
02:00 PM - 03:00 PM	48.1	62.9	45.7
03:00 PM - 04:00 PM	47.0	58.8	45.7
04:00 PM - 05:00 PM	48.8	60.0	47.1
05:00 PM - 06:00 PM	53.4	70.8	49.1
06:00 PM - 07:00 PM	57.8	73.3	52.9
07:00 PM - 08:00 PM	56.2	64.3	54.2
08:00 PM - 09:00 PM	54.2	59.4	52.0
09:00 PM - 10:00 PM	52.3	65.3	51.2
10:00 PM - 11:00 PM	52.7	58.8	51.2
11:00 PM - 12:00 AM	53.4	60.6	52.1
12:00 AM - 01:00 AM	52.5	56.0	51.6
01:00 AM - 02:00 AM	53.3	65.1	52.5
02:00 AM - 03:00 AM	53.0	60.8	52.0
03:00 AM - 04:00 AM	53.6	66.0	51.8
04:00 AM - 05:00 AM	52.5	71.9	51.1
05:00 AM - 06:00 AM	52.1	74.4	49.4
06:00 AM - 07:00 AM	49.1	67.7	47.1
07:00 AM - 08:00 AM	48.0	65.9	44.8
08:00 AM - 09:00 AM	46.7	65.8	42.6
09:00 AM - 10:00 AM	48.1	68.4	43.2
10:00 AM - 11:00 AM	53.3	84.7	47.1
11:00 AM - 12:00 PM	50.8	67.3	43.5

Leq Average 24 hrs. (dB(A)) 53.4  
Lmax (dB(A)) 84.7  
L90 (dB(A)) 49.1  
Ldn (dB(A)) 59.2  
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

Chonlada Sabongkroen  
Scientist (3)

Approved by

Sawai Tonpho  
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 :

Project Name : Environmental Monitoring

Project Location : TPE Site 3

Lot ID: 2589737

Date Received : Nov 18, 2025

Date Reported : Nov 21, 2025

Report Number: 3456511-1

Page 1 of 1

Sample Number 2589737-16  
Parameter Noise (Leq 24 hrs.)  
Location บ้านเมืองใหม่บางตาพูด หรือใกล้เคียง (GPS 47P 0734651, 1406341)  
Measurement Date Nov 12 - Nov 13, 2025  
Measurement by Sawai Tonpho  
Sound Level meter Serial No. 623394

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	45.2	64.6	42.7
01:00 PM - 02:00 PM	45.3	56.5	43.2
02:00 PM - 03:00 PM	44.8	54.5	41.7
03:00 PM - 04:00 PM	45.7	66.5	42.9
04:00 PM - 05:00 PM	47.2	73.4	44.0
05:00 PM - 06:00 PM	50.7	77.0	46.9
06:00 PM - 07:00 PM	58.2	74.0	50.2
07:00 PM - 08:00 PM	53.7	66.4	48.7
08:00 PM - 09:00 PM	56.4	64.9	48.5
09:00 PM - 10:00 PM	58.4	65.2	51.7
10:00 PM - 11:00 PM	52.6	63.1	51.4
11:00 PM - 12:00 AM	52.4	61.6	51.5
12:00 AM - 01:00 AM	52.6	61.4	51.0
01:00 AM - 02:00 AM	51.3	54.7	49.9
02:00 AM - 03:00 AM	51.9	59.2	50.8
03:00 AM - 04:00 AM	51.1	57.0	49.9
04:00 AM - 05:00 AM	55.1	60.4	50.6
05:00 AM - 06:00 AM	51.0	68.2	49.6
06:00 AM - 07:00 AM	50.6	75.7	47.6
07:00 AM - 08:00 AM	48.8	75.4	44.9
08:00 AM - 09:00 AM	45.9	58.4	41.3
09:00 AM - 10:00 AM	47.9	66.7	39.6
10:00 AM - 11:00 AM	50.7	78.3	47.1
11:00 AM - 12:00 PM	48.7	69.0	42.5

Leq Average 24 hrs. (dB(A)) 52.4  
Lmax (dB(A)) 78.3  
L90 (dB(A)) 47.6  
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

Chonlada Sabongkroen  
Scientist (3)

Approved by

Sawai Tonpho  
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 :

Project Name : Environmental Monitoring

Project Location : TPE Site 3

Lot ID: 2589737

Date Received : Nov 18, 2025

Date Reported : Nov 21, 2025

Report Number: 3456512-1

Page 1 of 1

Sample Number 2589737-17  
Parameter Noise (Leq 24 hrs.)  
Location บ้านเมืองใหม่บางตาพูด หรือใกล้เคียง (GPS 47P 0734651, 1406341)  
Measurement Date Nov 13 - Nov 14, 2025  
Measurement by Sawai Tonpho  
Sound Level meter Serial No. 623394

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	47.3	62.2	44.0
01:00 PM - 02:00 PM	47.3	70.0	45.1
02:00 PM - 03:00 PM	47.5	64.4	45.8
03:00 PM - 04:00 PM	54.7	79.9	46.5
04:00 PM - 05:00 PM	61.2	82.1	50.2
05:00 PM - 06:00 PM	51.4	69.8	48.8
06:00 PM - 07:00 PM	55.5	65.9	48.5
07:00 PM - 08:00 PM	51.2	64.6	47.9
08:00 PM - 09:00 PM	55.4	72.7	49.2
09:00 PM - 10:00 PM	50.2	62.1	48.3
10:00 PM - 11:00 PM	50.2	59.8	48.4
11:00 PM - 12:00 AM	49.3	62.6	48.2
12:00 AM - 01:00 AM	53.9	61.1	40.0
01:00 AM - 02:00 AM	53.3	68.1	49.4
02:00 AM - 03:00 AM	50.9	68.6	49.3
03:00 AM - 04:00 AM	50.6	65.2	49.0
04:00 AM - 05:00 AM	49.8	59.2	48.9
05:00 AM - 06:00 AM	50.0	65.7	48.8
06:00 AM - 07:00 AM	50.4	66.8	49.0
07:00 AM - 08:00 AM	48.4	62.1	45.0
08:00 AM - 09:00 AM	46.8	74.0	44.2
09:00 AM - 10:00 AM	50.4	74.7	42.4
10:00 AM - 11:00 AM	46.0	69.8	40.6
11:00 AM - 12:00 PM	42.9	60.9	39.8

Leq Average 24 hrs. (dB(A)) 52.6  
Lmax (dB(A)) 82.1  
L90 (dB(A)) 48.2  
Ldn (dB(A)) 58.0  
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

Scientist (3)

Approved by

Section Head

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S:\Reports\Air Noise.rpt ( 3:41PM)



## 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 : TPE Site 3

Lot ID: 2589737

Date Received : Nov 18, 2025

Date Reported : Nov 21, 2025

Report Number: 3456513-1

Page 1 of 1

Sample Number 2589737-18  
Parameter Noise (Leq 24 hrs.)  
Location บ้านเมืองใหม่บางตาพูด หรือใกล้เคียง (GPS 47P 0734651, 1406341)  
Measurement Date Nov 14 - Nov 15, 2025  
Measurement by Sawai Tonpho  
Sound Level meter Serial No. 623394

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	43.4	59.4	39.8
01:00 PM - 02:00 PM	42.8	63.2	39.5
02:00 PM - 03:00 PM	44.7	62.5	42.4
03:00 PM - 04:00 PM	46.3	71.6	44.0
04:00 PM - 05:00 PM	47.6	65.1	45.5
05:00 PM - 06:00 PM	47.2	66.5	44.2
06:00 PM - 07:00 PM	56.5	69.6	47.7
07:00 PM - 08:00 PM	52.7	64.6	46.1
08:00 PM - 09:00 PM	49.2	59.6	47.6
09:00 PM - 10:00 PM	49.8	67.1	47.8
10:00 PM - 11:00 PM	49.9	63.7	48.6
11:00 PM - 12:00 AM	49.6	60.7	48.6
12:00 AM - 01:00 AM	49.4	61.1	40.2
01:00 AM - 02:00 AM	50.9	59.5	49.8
02:00 AM - 03:00 AM	49.5	58.5	48.0
03:00 AM - 04:00 AM	48.5	55.0	47.6
04:00 AM - 05:00 AM	48.5	61.0	47.4
05:00 AM - 06:00 AM	49.8	66.2	47.9
06:00 AM - 07:00 AM	51.0	72.6	48.6
07:00 AM - 08:00 AM	48.6	63.1	46.0
08:00 AM - 09:00 AM	49.3	66.0	45.6
09:00 AM - 10:00 AM	47.3	59.5	43.4
10:00 AM - 11:00 AM	44.5	62.4	41.0
11:00 AM - 12:00 PM	45.1	63.3	41.5

Leq Average 24 hrs. (dB(A)) 49.5  
Lmax (dB(A)) 72.6  
L90 (dB(A)) 46.1  
Ldn (dB(A)) 56.1  
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

Scientist (3)

Approved by

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 :

Project Name : Environmental Monitoring

Project Location : TPE Site 3

Lot ID: 2589737

Date Received : Nov 18, 2025

Date Reported : Nov 21, 2025

Report Number: 3456514-1

Page 1 of 1

Sample Number 2589737-19  
Parameter Noise (Leq 24 hrs.)  
Location บ้านเมืองใหม่บางตาพูด หรือใกล้เคียง (GPS 47P 0734651, 1406341)  
Measurement Date Nov 15 - Nov 16, 2025  
Measurement by Sawai Tonpho  
Sound Level meter Serial No. 623394

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	44.3	65.7	40.9
01:00 PM - 02:00 PM	43.9	59.8	40.1
02:00 PM - 03:00 PM	45.0	70.2	40.8
03:00 PM - 04:00 PM	44.5	61.8	41.2
04:00 PM - 05:00 PM	46.2	70.1	42.6
05:00 PM - 06:00 PM	47.7	67.8	44.0
06:00 PM - 07:00 PM	54.2	67.5	47.0
07:00 PM - 08:00 PM	51.2	65.5	47.9
08:00 PM - 09:00 PM	50.2	60.4	49.0
09:00 PM - 10:00 PM	50.7	67.9	49.3
10:00 PM - 11:00 PM	51.8	59.7	49.4
11:00 PM - 12:00 AM	51.4	61.0	49.3
12:00 AM - 01:00 AM	50.6	60.4	49.0
01:00 AM - 02:00 AM	50.4	67.6	49.7
02:00 AM - 03:00 AM	51.0	57.7	50.3
03:00 AM - 04:00 AM	50.3	55.6	49.7
04:00 AM - 05:00 AM	50.1	59.8	49.2
05:00 AM - 06:00 AM	50.6	66.8	49.1
06:00 AM - 07:00 AM	50.2	66.5	48.6
07:00 AM - 08:00 AM	49.2	69.0	46.7
08:00 AM - 09:00 AM	47.2	68.4	44.3
09:00 AM - 10:00 AM	44.7	57.2	42.1
10:00 AM - 11:00 AM	44.5	60.0	41.7
11:00 AM - 12:00 PM	45.7	67.9	41.3

Leq Average 24 hrs. (dB(A)) 49.5  
Lmax (dB(A)) 70.2  
L90 (dB(A)) 47.0  
Ldn (dB(A)) 56.9  
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

Scientist (3)

Approved by

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 :

Project Name : Environmental Monitoring

Project Location : TPE Site 3

Lot ID: 2589737

Date Received : Nov 18, 2025

Date Reported : Nov 21, 2025

Report Number: 3456515-1

Page 1 of 1

Sample Number 2589737-20  
Parameter Noise (Leq 24 hrs.)  
Location บ้านเมืองใหม่บางตาพูด หรือใกล้เคียง (GPS 47P 0734651, 1406341)  
Measurement Date Nov 16 - Nov 17, 2025  
Measurement by Sawai Tonpho  
Sound Level meter Serial No. 623394

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	45.6	72.3	39.6
01:00 PM - 02:00 PM	42.1	62.5	39.0
02:00 PM - 03:00 PM	43.8	72.1	40.0
03:00 PM - 04:00 PM	45.6	65.6	42.1
04:00 PM - 05:00 PM	47.5	64.2	43.7
05:00 PM - 06:00 PM	48.8	66.4	45.1
06:00 PM - 07:00 PM	51.8	65.3	45.9
07:00 PM - 08:00 PM	49.1	63.0	45.6
08:00 PM - 09:00 PM	51.9	76.1	46.5
09:00 PM - 10:00 PM	51.2	61.9	45.2
10:00 PM - 11:00 PM	48.9	63.3	46.4
11:00 PM - 12:00 AM	49.6	62.3	48.1
12:00 AM - 01:00 AM	51.2	56.0	50.0
01:00 AM - 02:00 AM	49.7	55.0	48.5
02:00 AM - 03:00 AM	52.8	63.9	48.0
03:00 AM - 04:00 AM	49.5	56.9	48.1
04:00 AM - 05:00 AM	49.4	64.5	48.3
05:00 AM - 06:00 AM	50.6	66.4	49.2
06:00 AM - 07:00 AM	50.9	70.4	48.6
07:00 AM - 08:00 AM	49.7	73.9	43.7
08:00 AM - 09:00 AM	45.3	66.3	41.3
09:00 AM - 10:00 AM	43.2	64.6	39.7
10:00 AM - 11:00 AM	42.8	65.7	39.6
11:00 AM - 12:00 PM	45.2	78.8	40.1

Leq Average 24 hrs. (dB(A)) 49.1  
Lmax (dB(A)) 78.8  
L90 (dB(A)) 45.2  
Ldn (dB(A)) 56.6  
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

Scientist (3)

Approved by

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 :

Project Name : Environmental Monitoring

Project Location : TPE Site 3

**Lot ID: 2589737**

Date Received : Nov 18, 2025

Date Reported : Nov 21, 2025

Report Number: 3456516-1

Page 1 of 1

Sample Number 2589737-21  
Parameter Noise (Leq 24 hrs.)  
Location บ้านเมืองในตำบลตาตุ่ หรือใกล้เคียง (GPS 47P 0734651, 1406341)  
Measurement Date Nov 17 - Nov 18, 2025  
Measurement by Sawai Tonpho  
Sound Level meter Serial No. 623394

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	43.1	62.3	39.6
01:00 PM - 02:00 PM	42.7	58.7	39.5
02:00 PM - 03:00 PM	47.6	72.0	41.2
03:00 PM - 04:00 PM	46.8	66.7	43.9
04:00 PM - 05:00 PM	48.7	71.1	44.4
05:00 PM - 06:00 PM	48.3	70.8	45.4
06:00 PM - 07:00 PM	53.4	65.8	49.0
07:00 PM - 08:00 PM	51.3	63.4	50.2
08:00 PM - 09:00 PM	50.4	61.5	49.4
09:00 PM - 10:00 PM	50.4	56.7	49.7
10:00 PM - 11:00 PM	51.3	71.3	49.9
11:00 PM - 12:00 AM	51.1	59.3	50.5
12:00 AM - 01:00 AM	51.0	56.1	50.2
01:00 AM - 02:00 AM	51.6	58.9	50.5
02:00 AM - 03:00 AM	52.9	64.5	51.7
03:00 AM - 04:00 AM	52.2	58.9	51.4
04:00 AM - 05:00 AM	52.2	63.8	50.9
05:00 AM - 06:00 AM	51.8	67.3	50.3
06:00 AM - 07:00 AM	54.9	88.6	49.5
07:00 AM - 08:00 AM	49.1	70.6	45.5
08:00 AM - 09:00 AM	45.2	62.4	42.6
09:00 AM - 10:00 AM	43.3	63.0	40.9
10:00 AM - 11:00 AM	44.2	63.3	41.5
11:00 AM - 12:00 PM	49.1	63.0	45.6

Leq Average 24 hrs. (dB(A)) 50.4  
Lmax (dB(A)) 88.6  
L90 (dB(A)) 49.0  
Ldn (dB(A)) 58.3  
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

Scientist (3)

Approved by

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 : .

Project Name : Environmental Monitoring

Project Location : HDPE3

Lot ID: 2563243

Date Received : Aug 16, 2025

Date Reported : Aug 21, 2025

Report Number: 3387262-1

Page 1 of 1

Sample Number 2563243-1  
Parameter Noise (Leq 12 hrs.)  
Location หน่วยกลั่น/Pump  
Measurement Date Aug 15, 2025  
Measurement by Amnat Wongsakhen

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	77.9	78.6	77.8
09:00 AM - 10:00 AM	77.9	78.8	77.7
10:00 AM - 11:00 AM	77.8	78.6	77.7
11:00 AM - 12:00 PM	77.8	78.9	77.7
12:00 PM - 01:00 PM	77.8	78.5	77.6
01:00 PM - 02:00 PM	77.7	78.4	77.6
02:00 PM - 03:00 PM	77.8	78.4	77.7
03:00 PM - 04:00 PM	77.9	78.6	77.8
04:00 PM - 05:00 PM	77.9	79.1	77.8
05:00 PM - 06:00 PM	77.9	80.1	77.8
06:00 PM - 07:00 PM	77.7	78.4	77.5
07:00 PM - 08:00 PM	77.8	78.7	77.6

Leq Average 12 hrs. (dB(A))

77.8

Lmax (dB(A))

80.1

Standard (dB(A))

87

140

Reference Method : ISO 1996-1 : 2016

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานคุ้มครองความปลอดภัย  
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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: 2563243

Date Received : Aug 16, 2025

Date Reported : Aug 21, 2025

Report Number: 3387263-1

Page 1 of 1

Sample Number 2563243-2  
Parameter Noise (Leq 12 hrs.)  
Location Pelletizer  
Measurement Date Aug 15, 2025  
Measurement by Amnat Wongsakhen

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	81.2	89.5	80.4
09:00 AM - 10:00 AM	80.9	83.3	80.5
10:00 AM - 11:00 AM	80.7	89.2	80.2
11:00 AM - 12:00 PM	80.7	83.2	80.1
12:00 PM - 01:00 PM	80.6	83.0	80.1
01:00 PM - 02:00 PM	80.6	83.4	80.1
02:00 PM - 03:00 PM	80.7	83.0	80.2
03:00 PM - 04:00 PM	80.6	83.2	80.1
04:00 PM - 05:00 PM	80.9	83.1	80.3
05:00 PM - 06:00 PM	80.9	89.4	80.4
06:00 PM - 07:00 PM	80.7	83.5	80.2
07:00 PM - 08:00 PM	80.6	83.0	80.2

Leq Average 12 hrs. (dB(A))

80.8

Lmax (dB(A))

89.5

Standard (dB(A))

87

140

Reference Method : ISO 1996-1 : 2016

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานคุ้มครองความปลอดภัย  
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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: 2563243

Date Received : Aug 16, 2025

Date Reported : Aug 21, 2025

Report Number: 3387264-1

Page 1 of 1

Sample Number 2563243-3  
Parameter Noise (Leq 12 hrs.)  
Location Compressor  
Measurement Date Aug 15, 2025  
Measurement by Amnat Wongsakhen

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	76.9	82.5	75.8
09:00 AM - 10:00 AM	76.7	77.8	76.3
10:00 AM - 11:00 AM	71.2	77.2	64.4
11:00 AM - 12:00 PM	64.9	67.3	64.3
12:00 PM - 01:00 PM	65.1	76.8	64.4
01:00 PM - 02:00 PM	66.4	91.7	63.4
02:00 PM - 03:00 PM	68.0	78.9	64.3
03:00 PM - 04:00 PM	77.7	80.3	76.2
04:00 PM - 05:00 PM	79.2	81.0	76.9
05:00 PM - 06:00 PM	78.3	80.8	77.5
06:00 PM - 07:00 PM	77.0	78.1	76.6
07:00 PM - 08:00 PM	78.6	80.4	76.3

Leq Average 12 hrs. (dB(A))

75.8

Lmax (dB(A))

91.7

Standard (dB(A))

87

140

Reference Method : ISO 1996-1 : 2016

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P/O : .

Project Name : Environmental Monitoring

Project Location : HDPE3

Lot ID: 2563243

Date Received : Aug 16, 2025

Date Reported : Aug 21, 2025

Report Number: 3387265-1

Page 1 of 1

Sample Number 2563243-4  
Parameter Noise (Leq 12 hrs.)  
Location Reactor  
Measurement Date Aug 15, 2025  
Measurement by Amnat Wongsakhen

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	81.1	81.8	81.0
09:00 AM - 10:00 AM	81.1	81.6	80.9
10:00 AM - 11:00 AM	80.9	81.5	80.7
11:00 AM - 12:00 PM	81.0	81.6	80.8
12:00 PM - 01:00 PM	80.9	81.7	80.8
01:00 PM - 02:00 PM	81.0	81.7	80.8
02:00 PM - 03:00 PM	81.1	81.7	80.9
03:00 PM - 04:00 PM	81.2	81.7	81.0
04:00 PM - 05:00 PM	81.3	81.8	81.1
05:00 PM - 06:00 PM	81.4	81.9	81.2
06:00 PM - 07:00 PM	81.2	81.9	81.0
07:00 PM - 08:00 PM	81.0	81.8	80.9

Leq Average 12 hrs. (dB(A))

81.1

Lmax (dB(A))

81.9

Standard (dB(A))

87

140

Reference Method : ISO 1996-1 : 2016

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานคุ้มครองความปลอดภัย  
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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: 2563243

Date Received : Aug 16, 2025

Date Reported : Aug 21, 2025

Report Number: 3387266-1

Page 1 of 1

Sample Number 2563243-5  
Parameter Noise (Leq 12 hrs.)  
Location Spray Cooler  
Measurement Date Aug 15, 2025  
Measurement by Amnat Wongsakhen

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	81.7	82.5	81.5
09:00 AM - 10:00 AM	81.0	82.2	80.8
10:00 AM - 11:00 AM	80.9	81.7	80.7
11:00 AM - 12:00 PM	81.0	82.7	80.7
12:00 PM - 01:00 PM	81.1	81.8	80.9
01:00 PM - 02:00 PM	81.1	82.0	80.9
02:00 PM - 03:00 PM	81.0	81.7	80.8
03:00 PM - 04:00 PM	81.1	81.9	80.9
04:00 PM - 05:00 PM	81.4	82.2	81.2
05:00 PM - 06:00 PM	81.6	82.4	81.4
06:00 PM - 07:00 PM	81.7	82.8	81.6
07:00 PM - 08:00 PM	81.3	82.0	81.1

Leq Average 12 hrs. (dB(A))

81.3

Lmax (dB(A))

82.8

Standard (dB(A))

87

140

Reference Method : ISO 1996-1 : 2016

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Chonlathana Subongkroen  
Scientist (3)

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P/O :

Project Name : Environmental Monitoring

Project Location : HDPE3

Lot ID: 2589767

Date Received : Nov 24, 2025

Date Reported : Nov 26, 2025

Report Number: 3459153-1

Page 1 of 1

Sample Number 2589767-1  
Parameter Noise (Leq 12 hrs.)  
Location พายุคลื่น/Pump  
Measurement Date Nov 21, 2025  
Measurement by Amnat Wongsakhen

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:30 AM - 09:30 AM	78.6	85.5	78.3
09:30 AM - 10:30 AM	78.8	91.6	78.4
10:30 AM - 11:30 AM	78.6	83.7	78.3
11:30 AM - 12:30 PM	78.6	84.8	78.3
12:30 PM - 01:30 PM	78.6	83.5	78.4
01:30 PM - 02:30 PM	78.8	92.8	78.4
02:30 PM - 03:30 PM	78.7	96.0	78.3
03:30 PM - 04:30 PM	78.5	84.3	78.3
04:30 PM - 05:30 PM	79.3	98.9	78.3
05:30 PM - 06:30 PM	78.5	83.4	78.3
06:30 PM - 07:30 PM	78.7	92.7	78.3
07:30 PM - 08:30 PM	78.6	95.9	78.2

Leq Average 12 hrs. (dB(A))

78.7

Lmax (dB(A))

98.9

Standard (dB(A))

87

140

Reference Method : ISO 1996-1 : 2016

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานคุ้มครองความปลอดภัย  
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**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** HDPE3

**Lot ID: 2589767**

Date Received : Nov 24, 2025

Date Reported : Nov 26, 2025

Report Number: 3459154-1

Page 1 of 1

**Sample Number** 2589767-2  
**Parameter** Noise (Leq 12 hrs.)  
**Location** Pelletizer  
**Measurement Date** Nov 21, 2025  
**Measurement by** Amnat Wongsakhen

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:38 AM - 09:38 AM	84.8	94.1	83.9
09:38 AM - 10:38 AM	84.6	94.2	83.9
10:38 AM - 11:38 AM	84.5	93.9	83.7
11:38 AM - 12:38 PM	84.6	93.8	83.9
12:38 PM - 01:38 PM	84.6	94.0	83.9
01:38 PM - 02:38 PM	84.6	93.8	83.9
02:38 PM - 03:38 PM	84.5	94.0	83.7
03:38 PM - 04:38 PM	84.6	93.8	83.9
04:38 PM - 05:38 PM	84.6	93.8	83.9
05:38 PM - 06:38 PM	84.5	94.1	83.8
06:38 PM - 07:38 PM	84.6	93.8	83.9
07:38 PM - 08:38 PM	84.5	93.7	83.8

Leq Average 12 hrs. (dB(A))

84.6

Lmax (dB(A))

94.2

Standard (dB(A))

87

140

Reference Method : ISO 1996-1 : 2016

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** HDPE3

**Lot ID: 2589767**

Date Received : Nov 24, 2025

Date Reported : Nov 26, 2025

Report Number: 3459155-1

Page 1 of 1

**Sample Number** 2589767-3  
**Parameter** Noise (Leq 12 hrs.)  
**Location** Compressor  
**Measurement Date** Nov 21, 2025  
**Measurement by** Amnat Wongsakhen

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:16 AM - 09:16 AM	79.9	81.7	79.5
09:16 AM - 10:16 AM	80.0	99.9	79.0
10:16 AM - 11:16 AM	79.3	83.9	78.9
11:16 AM - 12:16 PM	79.5	84.0	79.1
12:16 PM - 01:16 PM	79.4	80.5	78.9
01:16 PM - 02:16 PM	79.4	80.9	78.9
02:16 PM - 03:16 PM	79.5	80.9	79.0
03:16 PM - 04:16 PM	79.4	80.9	78.9
04:16 PM - 05:16 PM	79.3	83.3	78.9
05:16 PM - 06:16 PM	79.5	84.1	79.1
06:16 PM - 07:16 PM	79.7	84.2	79.3
07:16 PM - 08:16 PM	79.6	80.7	79.1

Leq Average 12 hrs. (dB(A))

79.5

Lmax (dB(A))

99.9

Standard (dB(A))

87

140

Reference Method : ISO 1996-1 : 2016

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

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** HDPE3

**Lot ID: 2589767**

Date Received : Nov 24, 2025

Date Reported : Nov 26, 2025

Report Number: 3459156-1

Page 1 of 1

**Sample Number** 2589767-4  
**Parameter** Noise (Leq 12 hrs.)  
**Location** Reactor  
**Measurement Date** Nov 21, 2025  
**Measurement by** Amnat Wongsakhen

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:26 AM - 09:26 AM	81.3	82.5	81.2
09:26 AM - 10:26 AM	81.3	81.8	81.1
10:26 AM - 11:26 AM	81.2	81.9	81.1
11:26 AM - 12:26 PM	81.2	82.2	81.0
12:26 PM - 01:26 PM	81.2	81.9	81.1
01:26 PM - 02:26 PM	81.2	82.0	81.1
02:26 PM - 03:26 PM	81.2	81.8	81.1
03:26 PM - 04:26 PM	81.2	82.0	81.0
04:26 PM - 05:26 PM	81.2	82.0	81.1
05:26 PM - 06:26 PM	81.3	81.8	81.1
06:26 PM - 07:26 PM	81.2	81.9	81.1
07:26 PM - 08:26 PM	81.2	82.2	81.0

Leq Average 12 hrs. (dB(A))

81.2

Lmax (dB(A))

82.5

Standard (dB(A))

87

140

Reference Method : ISO 1996-1 : 2016

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** HDPE3

**Lot ID: 2589767**

Date Received : Nov 24, 2025

Date Reported : Nov 26, 2025

Report Number: 3459157-1

Page 1 of 1

**Sample Number** 2589767-5  
**Parameter** Noise (Leq 12 hrs.)  
**Location** Spray Cooler  
**Measurement Date** Nov 21, 2025  
**Measurement by** Amnat Wongsakhen

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:20 AM - 09:20 AM	81.8	83.2	81.3
09:20 AM - 10:20 AM	81.8	99.1	81.6
10:20 AM - 11:20 AM	81.7	82.2	81.6
11:20 AM - 12:20 PM	81.6	82.3	81.5
12:20 PM - 01:20 PM	81.7	82.2	81.5
01:20 PM - 02:20 PM	81.7	82.3	81.5
02:20 PM - 03:20 PM	81.8	82.3	81.6
03:20 PM - 04:20 PM	81.7	82.3	81.6
04:20 PM - 05:20 PM	81.7	82.3	81.6
05:20 PM - 06:20 PM	81.7	82.4	81.6
06:20 PM - 07:20 PM	81.8	82.3	81.6
07:20 PM - 08:20 PM	81.8	82.4	81.6

Leq Average 12 hrs. (dB(A))

81.7

Lmax (dB(A))

99.1

Standard (dB(A))

87

140

Reference Method : ISO 1996-1 : 2016

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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(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 : Check  
Project Name : Environmental Monitoring  
Project Location : HDPE3

**Lot ID: 2563244**  
Date Received : Aug 16, 2025  
Date Reported : Aug 21, 2025  
Report Number : 3349100-1

Page 3 of 3

Sample Number : 2563244-3  
Sampled Date : Aug 15, 2025  
Sample Description : Noise Dose  
Location : HDPE 3 Section 5200  
Personal Sampling : ภาริยวสัท จิรพันธุ์  
Date Analysis Commenced : Aug 19, 2025

Analyte	Sampled Date/time	Unit	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>								
Noise Dose (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	%	-	1	79.4	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	Rayong
Noise Dose (8 hrs.)	08:00 AM - 08:00 PM	%	-	1	74.1	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	Rayong
TWA (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	dB(A)	-	-	82.0	83*	MOL, Department Labour Protection and Welfare (B.E.2561)	Rayong
TWA (8 hrs.)	08:00 AM - 08:00 PM	dB(A)	-	-	83.7	85	MOL, Department Labour Protection and Welfare (B.E.2561)	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 : Annat Wongsakhen

### Remark :

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



Approved by

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 :  
Project Name : Environmental Monitoring  
Project Location : HDPE3

**Lot ID: 2557995**  
Date Received : Aug 26, 2025  
Date Reported : Aug 30, 2025  
Report Number : 3388235-1

Page 1 of 2

Sample Number : 2557995-1  
Sampled Date : Aug 25, 2025  
Sample Description : Noise Dose  
Location : HDPE 3 Section 5400  
Personal Sampling : ภาริยวสัท จิรพันธุ์  
Date Analysis Commenced : Aug 28, 2025

Analyte	Sampled Date/time	Unit	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>								
Noise Dose (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	%	-	1	60.3	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	Rayong
Noise Dose (8 hrs.)	08:00 AM - 08:00 PM	%	-	1	56.2	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	Rayong
TWA (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	dB(A)	-	-	80.8	83*	MOL, Department Labour Protection and Welfare (B.E.2561)	Rayong
TWA (8 hrs.)	08:00 AM - 08:00 PM	dB(A)	-	-	82.5	85	MOL, Department Labour Protection and Welfare (B.E.2561)	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 : Annat Wongsakhen

### Remark :

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



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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: 2589081**

Date Received : Sep 24, 2025  
Date Reported : Sep 27, 2025  
Report Number : 3411891-1

Page 1 of 1

**Sample Number** 2589081-1  
**Sampled Date** Sep 24, 2025  
**Sample Description** Noise Dose  
**Location** HDPE 3 Section 5700  
**Personal Sampling** คุณวีรวัฒน์ บุญสุข  
**Date Analysis Commenced** Sep 25, 2025

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Noise Dose (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	%	-	1	3.3	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
Noise Dose (8 hrs.)	08:00 AM - 08:00 PM	%	-	1	3.1	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)	-	-	68.2	83*	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
TWA (8 hrs.)	08:00 AM - 08:00 PM	dB(A)	-	-	69.9	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 :** Amnat Wongsakhen

### 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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**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: 2589770**

Date Received : Nov 24, 2025  
Date Reported : Nov 26, 2025  
Report Number : 3412889-1

Page 3 of 3

**Sample Number** 2589770-3  
**Sampled Date** Nov 21, 2025  
**Sample Description** Noise Dose  
**Location** HDPE 3 Section 5200  
**Personal Sampling** คุณชนวีวัฒน์ อภาพรรณสาร  
**Date Analysis Commenced** Nov 24, 2025

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Noise Dose (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	%	-	1	10.0	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
Noise Dose (8 hrs.)	08:00 AM - 08:00 PM	%	-	1	9.3	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)	-	-	73.0	83*	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
TWA (8 hrs.)	08:00 AM - 08:00 PM	dB(A)	-	-	74.7	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 :** Amnat Wongsakhen

### 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.  
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**P/O :**  
**Project Name :** Environmental Monitoring  
**Project Location :** HDPE3

**Lot ID: 25109337**  
Date Received : Dec 09, 2025  
Date Reported : Dec 16, 2025  
Report Number : 3462228-1

Page 1 of 1

**Sample Number** 25109337-1  
**Sampled Date** Dec 08, 2025  
**Sample Description** Noise Dose (12 hrs.)  
**Location** HDPE 3 Section 5400  
**Personal Sampling** คุณเสรี ลาภวิสาร  
**Date Analysis Commenced** Dec 12, 2025

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Noise Dose (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	%	-	1	40.7	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
Noise Dose (8 hrs.)	08:00 AM - 08:00 PM	%	-	1	38.9	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)	-	-	79.1	83*	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
TWA (8 hrs.)	08:00 AM - 08:00 PM	dB(A)	-	-	80.9	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 :** Chanon Booncheun

### Remark :

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

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Section Head

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.  
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**P/O :**  
**Project Name :** Environmental Monitoring  
**Project Location :** HDPE3

**Lot ID: 2589770**  
Date Received : Nov 24, 2025  
Date Reported : Nov 26, 2025  
Report Number : 3412889-1

Page 1 of 3

**Sample Number** 2589770-1  
**Sampled Date** Nov 21, 2025  
**Sample Description** Noise Dose  
**Location** HDPE 3 Section 5700  
**Personal Sampling** คุณเวรวัณ ปาละณี  
**Date Analysis Commenced** Nov 24, 2025

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Noise Dose (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	%	-	1	11.5	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
Noise Dose (8 hrs.)	08:00 AM - 08:00 PM	%	-	1	11.0	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)	-	-	73.6	83*	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
TWA (8 hrs.)	08:00 AM - 08:00 PM	dB(A)	-	-	75.1	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 :** Amnat Wongsakhen

### Remark :

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

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## แผนผังแสดงระดับเสียง (Noise Contour Map)



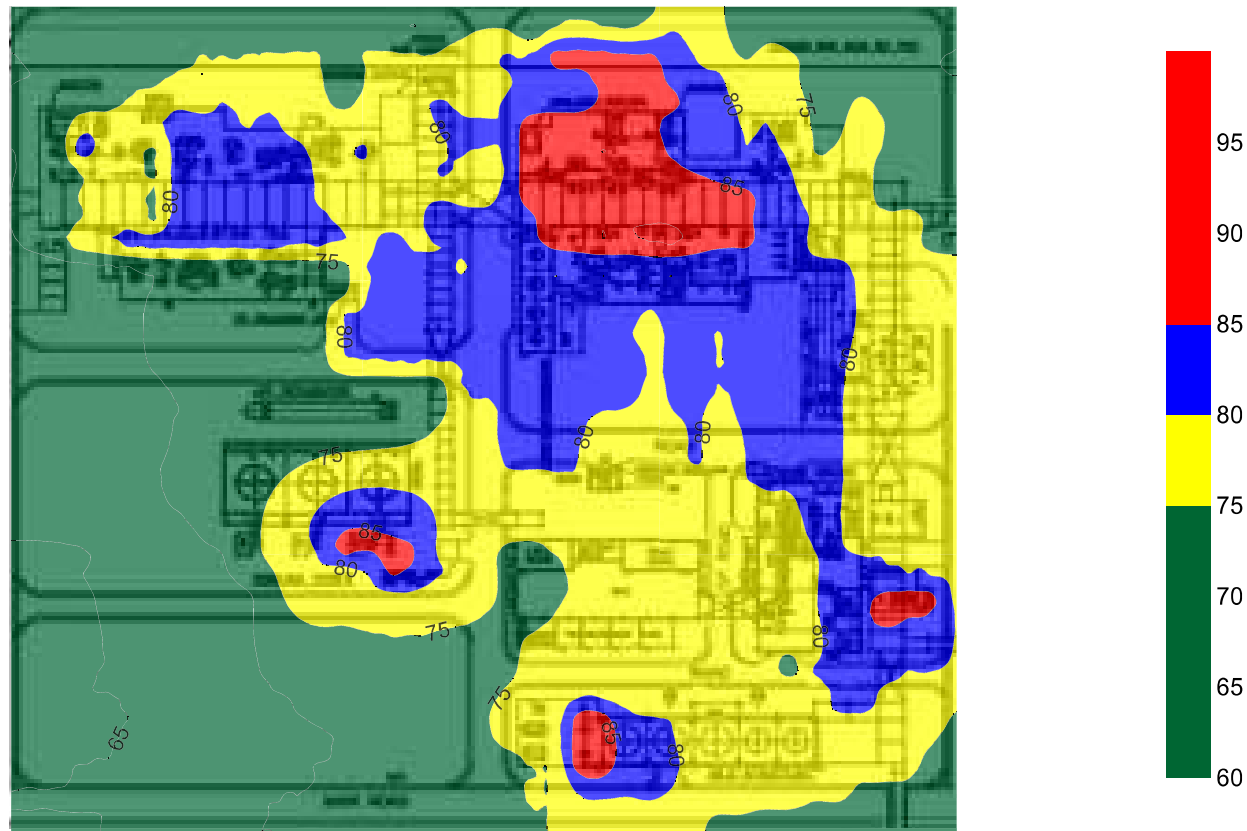
# Noise Contour Map

Thai Polyethylene Co., Ltd.

โครงการโรงงานผลิตเม็ดพลาสติกโพลีเอททีลีน ชนิดความหนาแน่นสูง โรงงานที่ 3 (HDPE 3)

Reference Number : Lot 2345119-1

Measurement Date : June 9, 2023



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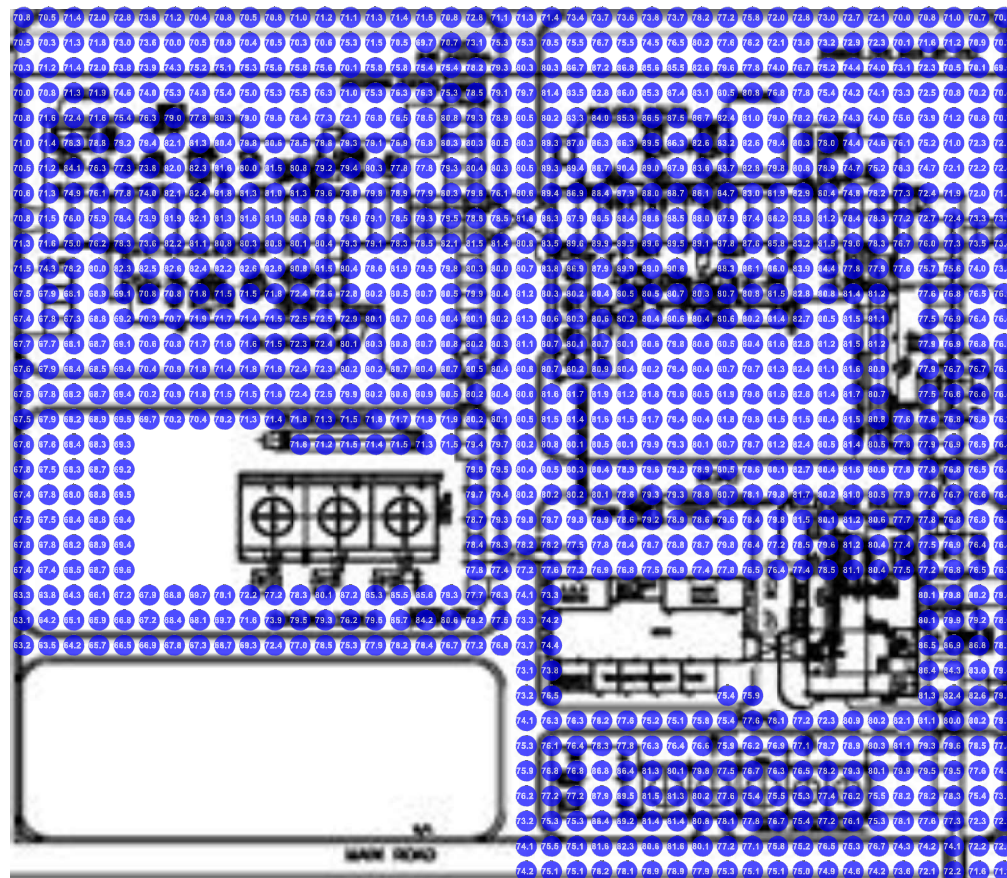
# Noise Contour Map

Thai Polyethylene Co., Ltd.

โครงการโรงงานผลิตเม็ดพลาสติกโพลีเอททีลีน ชนิดความหนาแน่นสูง โรงงานที่ 3 (HDPE 3)

Reference Number : Lot 2345119-1

Measurement Date : June 9, 2023



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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 :** Check\_  
**Project Name :** Environmental Monitoring  
**Project Location :** HDPE3

**Lot ID: 2563237**

Date Received : Aug 16, 2025  
Date Reported : Aug 28, 2025  
Report Number : 3349092-1

Page 1 of 4

**Sample Number** 2563237-1  
**Sampled Date** Aug 15, 2025  
**Sample Description** Air Quality  
**Location** หน่วย Hexane Recovery Unit  
**Date Analysis Commenced** Aug 19, 2025  
**Condition of Sample** Drawn into one sorbent tube, refrigerated  
**Barometric Pressure** 752 mmHg  
**Atmospheric Temperature** 31.8 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
n-Hexane *	09:20 AM - 11:20 AM	ppm	-	0.03	0.12	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 :** Apichart Wilars

### Remark :

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

Approved by

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 :** Check\_  
**Project Name :** Environmental Monitoring  
**Project Location :** HDPE3

**Lot ID: 2563237**

Date Received : Aug 16, 2025  
Date Reported : Aug 28, 2025  
Report Number : 3349092-1

Page 2 of 4

**Sample Number** 2563237-2  
**Sampled Date** Aug 15, 2025  
**Sample Description** Air Quality  
**Location** หน่วยกลั่นแยกเฮกเซนและอีพิทาน-1  
**Date Analysis Commenced** Aug 19, 2025  
**Condition of Sample** Drawn into one 10-L air sampling bag and one sorbent tube, refrigerated  
**Barometric Pressure** 752 mmHg  
**Atmospheric Temperature** 31.9 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
1-Butene *	09:25 AM - 11:25 AM	ppm	-	1.0	<1.0	250	Based on ASTM, D2712-18	MOL	Bangkok
n-Hexane *	09:25 AM - 11:25 AM	ppm	-	0.03	0.19	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 :** Apichart Wilars

### Remark :

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

Approved by

Scientist (4)

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## Analysis / Test Report



TESTING  
No.0042

**Lot ID: 2563237**

Date Received : Aug 16, 2025

Date Reported : Aug 28, 2025

Report Number : 3349092-1

Client : Thai Polyethylene Co., Ltd.

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

P/O : Check\_

Project Name : Environmental Monitoring

Project Location : HDPE3

Sample Number 2563237-3  
Sampled Date Aug 15, 2025  
Sample Description Air Quality  
Location บริเวณ Preheater  
Date Analysis Commenced Aug 19, 2025  
Condition of Sample Drawn into one 10-L air sampling bag  
Barometric Pressure 752 mmHg  
Atmospheric Temperature 32.4 °C

Page 3 of 4

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
1-Butene *	09:30 AM - 11:30 AM	ppm	-	1.0	<1.0	250	Based on ASTM, D2712-18	MOL	Bangkok
Ethylene *	09:30 AM - 11:30 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 (2024).

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 : Apichart Wilars

### 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: 2563237**

Date Received : Aug 16, 2025

Date Reported : Aug 28, 2025

Report Number : 3349092-1

Client : Thai Polyethylene Co., Ltd.

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

P/O : Check\_

Project Name : Environmental Monitoring

Project Location : HDPE3

Sample Number 2563237-4  
Sampled Date Aug 15, 2025  
Sample Description Air Quality  
Location บริเวณแผนกบรรจุภัณฑ์พลาสติก (Bagging)  
Date Analysis Commenced Aug 18, 2025  
Condition of Sample Drawn into one filter paper placed in plastic cassette  
Barometric Pressure 752 mmHg  
Atmospheric Temperature 32.6 °C

Page 4 of 4

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
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 : Apichart Wilars

### Remark :

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

Approved by

Scientist (4)

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## Analysis / Test Report



TESTING  
No.0042

**Lot ID: 2589745**

Date Received : Nov 24, 2025

Date Reported : Dec 04, 2025

Report Number : 3412845-1

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 : HDPE3

Sample Number 2589745-1  
Sampled Date Nov 21, 2025  
Sample Description Air Quality  
Location หน่วยงาน Hexane Recovery Unit  
Date Analysis Commenced Nov 25, 2025  
Condition of Sample Drawn into one sorbent tube, refrigerated  
Barometric Pressure 758 mmHg  
Atmospheric Temperature 23.9 °C

Page 1 of 4

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
n-Hexane *	08:34 AM - 10:34 AM	ppm	-	0.03	0.08	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 : Amnat Wongsakhen

### 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)

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

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## Analysis / Test Report



TESTING  
No.0042

**Lot ID: 2589745**

Date Received : Nov 24, 2025

Date Reported : Dec 04, 2025

Report Number : 3412845-1

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 : HDPE3

Sample Number 2589745-2  
Sampled Date Nov 21, 2025  
Sample Description Air Quality  
Location หน่วยกลั่นแยกเฮกเซนและอีพิทาน-1  
Date Analysis Commenced Nov 25, 2025  
Condition of Sample Drawn into one 10-L air sampling bag and one sorbent tube, refrigerated  
Barometric Pressure 758 mmHg  
Atmospheric Temperature 23.9 °C

Page 2 of 4

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
1-Butene *	08:40 AM - 10:40 AM	ppm	-	1.0	<1.0	250	Based on ASTM, D2712-18	MOL	Bangkok
n-Hexane *	08:40 AM - 10:40 AM	ppm	-	0.03	0.33	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 : Amnat Wongsakhen

### Remark :

- LOD : Limit of Detection
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## Analysis / Test Report



TESTING  
No.0042

**Lot ID: 2589745**

Date Received : Nov 24, 2025

Date Reported : Dec 04, 2025

Report Number : 3412845-1

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 : HDPE3

Sample Number 2589745-3  
Sampled Date Nov 21, 2025  
Sample Description Air Quality  
Location บริเวณ Preheater  
Date Analysis Commenced Nov 25, 2025  
Condition of Sample Drawn into one 10-L air sampling bag  
Barometric Pressure 758 mmHg  
Atmospheric Temperature 23.9 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
1-Butene *	08:50 AM - 10:50 AM	ppm	-	1.0	<1.0	250	Based on ASTM, D2712-18	MOL	Bangkok
Ethylene *	08:50 AM - 10:50 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 (2024).

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 : Amnat Wongsakhen

### Remark :

- LOD : Limit of Detection
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## Analysis / Test Report



TESTING  
No.0042

**Lot ID: 2589745**

Date Received : Nov 24, 2025

Date Reported : Dec 04, 2025

Report Number : 3412845-1

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 : HDPE3

Sample Number 2589745-4  
Sampled Date Nov 21, 2025  
Sample Description Air Quality  
Location บริเวณแผนกบรรจุภัณฑ์พลาสติก (Bagging)  
Date Analysis Commenced Nov 25, 2025  
Condition of Sample Drawn into one filter paper placed in plastic cassette  
Barometric Pressure 758 mmHg  
Atmospheric Temperature 23.9 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Total Dust	09:50 AM - 11:50 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 : Amnat Wongsakhen

### Remark :

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

Scientist (4)

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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 :** Check\_

**Project Name :** Environmental Monitoring

**Project Location :** HDPE3

**Lot ID: 2563241**

Date Received : Aug 16, 2025

Date Reported : Aug 21, 2025

Report Number: 3349095-1

Page 1 of 2

**Sample Number** 2563241-1  
**Parameter** Heat Stress (Sampling Time : 10.00 AM - 12.00 PM)  
**Measurement Date** Aug 15, 2025  
**Measurement by** Amnat Wongsakhen  
**Location** ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณ Dryer	120	29.5	26.9	35.7	35.5
Average (WBGT)		29.5			
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 = 50.8 %, Heat Index= 42.0 C

Technical Management

  
Section Head

Approved by

  
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 :** Check\_

**Project Name :** Environmental Monitoring

**Project Location :** HDPE3

**Lot ID: 2563241**

Date Received : Aug 16, 2025

Date Reported : Aug 21, 2025

Report Number: 3349095-1

Page 2 of 2

**Sample Number** 2563241-2  
**Parameter** Heat Stress (Sampling Time : 10.00 AM - 12.00 PM)  
**Measurement Date** Aug 15, 2025  
**Measurement by** Amnat Wongsakhen  
**Location** ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณ Pelletizer	120	30.0	27.4	36.1	36.0
Average (WBGT)		30.0			
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 = 48.8 %, Heat Index= 43.0 C

Technical Management

  
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## Analysis / Test Report

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21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** HDPE3

**Lot ID: 2589763**

Date Received : Nov 24, 2025

Date Reported : Nov 26, 2025

Report Number: 3412866-1

Page 1 of 2

**Sample Number** 2589763-1  
**Parameter** Heat Stress (Sampling Time : 10.00 AM - 12.00 PM)  
**Measurement Date** Nov 21, 2025  
**Measurement by** Amnat Wongsakhen  
**Location** ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณ Dryer	120	22.4	20.7	26.3	26.3
Average (WBGT)		22.4			
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 = 50.3 %, Heat Index= 27.0 C

Technical Management

  
Supot Salmen  
Section Head

Approved by

  
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 :**

**Project Name :** Environmental Monitoring

**Project Location :** HDPE3

**Lot ID: 2589763**

Date Received : Nov 24, 2025

Date Reported : Nov 26, 2025

Report Number: 3412866-1

Page 2 of 2

**Sample Number** 2589763-2  
**Parameter** Heat Stress (Sampling Time : 10.00 AM - 12.00 PM)  
**Measurement Date** Nov 21, 2025  
**Measurement by** Amnat Wongsakhen  
**Location** ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณ Pelletizer	120	29.0	27.7	32.0	31.8
Average (WBGT)		29.0			
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 = 50.3 %, Heat Index= 34.0 C

Technical Management

  
Supot Salmen  
Section Head

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