

## ภาคผนวก ข-38

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แผนและการฝึกอบรม ด้านอาชีพอนามัย ความปลอดภัย และสิ่งแวดล้อม

# อบรม และแผนงานด้านความปลอดภัย

## มกราคม – มิถุนายน 2568



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### Calendar Plan Jan – Feb 2025

2025 January						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1 Safety Training	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

2025 February						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2	3 Safety Training	4 Safety Training	5 Safety Training	6 Safety Training	7 Safety Training	8
9	10 Safety Training	11 Safety Training	12 Safety Training	13 Safety Training	14 Safety Training	15
16	17 Safety Training	18 Safety Training	19 Safety Training	20 Safety Training	21 Safety Training	22
23	24 Safety Training	25 Safety Training	26 Safety Training	27 Safety Training	28 Safety Training	29
30	31 Safety Training					

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## Calendar Plan Mar – Apr2025

2025 March

View by: Content

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

2025 April

View by: Content

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

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## Calendar Plan May– Jun 2025

2025 May

View by: Content

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

2025 June

View by: Content

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

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# แผนงานความปลอดภัย

## Plan test water spray system 2025

Plan test Water Spray System Thaipolyethylene ALL Site																										
Month 1-6 2025																										
Location	Jan				Feb				Mar				Apr				May				Jun				Remarks	
Site#1	week 1	week 2	week 3	week 4	week 1	week 2	week 3	week 4	week 1	week 2	week 3	week 4	week 1	week 2	week 3	week 4	week 1	week 2	week 3	week 4	week 1	week 2	week 3	week 4		
LDPE	DV-01.01 DV-01.04		DV-01.11 DV-01.18			DV-01.19 DV-01.12					DV-07.04.04 DV-01.11.12		DV-01.02 DV-01.04		DV-01.13 DV-01.18				DV-01.15 DV-01.17				DV-07.06.09 DV-01.11.12			
HDPPE1	AG-01.01			AG-02.01				AG-01.06 AG-01.08					AG-01.06			AG-02.03				DV-01.04 AG-01.06						
LDPE2						AG-01.06 AG-01.08					AG-01.06 AG-01.08								AG-01.06 AG-01.08				AG-01.06 AG-01.08			
C-1				P-01.01 P-01.03			D-01.01 D-01.03	D-01.01 D-01.03	D-01.01 D-01.03	D-01.01 D-01.03	D-01.01 D-01.03	D-01.01 D-01.03				P-01.01 P-01.03				D-01.01 D-01.03			D-01.01 D-01.03			
R-1	AG-01.01												AG-01.01											D-01.01 D-01.03	AG-01.01	
THPPPE1	D-01.01 D-01.03	D-01.01 D-01.03	D-01.01 D-01.03		P-01.01 P-01.03		D-01.01 D-01.03	D-01.01 D-01.03	D-01.01 D-01.03	D-01.01 D-01.03	D-01.01 D-01.03	D-01.01 D-01.03	D-01.01 D-01.03	D-01.01 D-01.03	D-01.01 D-01.03	D-01.01 D-01.03	D-01.01 D-01.03	D-01.01 D-01.03	D-01.01 D-01.03	D-01.01 D-01.03	D-01.01 D-01.03	D-01.01 D-01.03	D-01.01 D-01.03	D-01.01 D-01.03		
THPPPE2	D-01.01 D-01.03	D-01.01 D-01.03	D-01.01 D-01.03		P-01.01 P-01.03		D-01.01 D-01.03	D-01.01 D-01.03	D-01.01 D-01.03	D-01.01 D-01.03	D-01.01 D-01.03	D-01.01 D-01.03	D-01.01 D-01.03	D-01.01 D-01.03	D-01.01 D-01.03	D-01.01 D-01.03	D-01.01 D-01.03	D-01.01 D-01.03	D-01.01 D-01.03	D-01.01 D-01.03	D-01.01 D-01.03	D-01.01 D-01.03	D-01.01 D-01.03	D-01.01 D-01.03		
LOGISTICS	DV-01.01	DV-01.04	DV-01.05	DV-01.08	DV-01.09	DV-01.10	DV-01.11	DV-01.12	DV-01.13	DV-01.14	DV-01.15	DV-01.16	DV-01.17	DV-01.18	DV-01.19	DV-01.20	DV-01.21	DV-01.22	DV-01.23	DV-01.24	DV-01.25	DV-01.26	DV-01.27	DV-01.28	ทดสอบน้ำดี	
ICO RT1																										ทดสอบน้ำดี
STORE																										ทดสอบน้ำดี
Site#2	week 1 Thailand	week 2	week 3 Thailand	week 4	week 5 Thailand	week 6	week 7	week 8	week 9 Thailand	week 10	week 11 Thailand	week 12	week 13 Thailand	week 14	week 15 Thailand	week 16	week 17	week 18	week 19	week 20 Thailand	week 21	week 22	week 23 Thailand	week 24		
HDPPE2					DV-01			DV-02										DV-01			DV-02					
HDPPE3								DV-01										DV-01			DV-02					
LOGISTICS	DV-01.01		DV-07.08		DV-08.16		DV-01.11		DV-01.02		DV-01.04		DV-01.06		DV-07.08		DV-09.16		DV-01.11		DV-01.02		DV-01.04		DV-01.06	ทดสอบน้ำดี
SGS1					DV-01													DV-01								ทดสอบน้ำดี
IC-WAX																										ทดสอบน้ำดี
ICO RT1																										ทดสอบน้ำดี
STORE																										ทดสอบน้ำดี
Site#7	week 1	week 2	week 3	week 4	week 1	week 2	week 3	week 4	week 1	week 2	week 3	week 4	week 1	week 2	week 3	week 4	week 1	week 2	week 3	week 4	week 1	week 2	week 3	week 4		
HDPPE4	D-7721	D-7722	Loading		TK-7723	TK-7722			D-7234	D-7241			D-7721	D-7722	Loading	TK-7723	TK-7722				D-7234	D-7241				
THPPPE4				DV-01	DV-02				DV-01	DV-02											DV-01	DV-02				
LOGISTICS	DV-01.10	DV-01.12			DV-01.02	DV-07.08			DV-01.04	DV-01.11			DV-01.06	DV-01.10	DV-01.12		DV-01.02	DV-07.08			DV-01.04	DV-01.11		DV-01.06	DV-01.10	ทดสอบน้ำดี
STORE																										ทดสอบน้ำดี
PPC					DV-01	DV-02			DV-01	DV-02			DV-01	DV-02			DV-01	DV-02			DV-01	DV-02				DV-01
Site#10	week 1	week 2	week 3	week 4	week 1	week 2	week 3	week 4	week 1	week 2	week 3	week 4	week 1	week 2	week 3	week 4	week 1	week 2	week 3	week 4	week 1	week 2	week 3	week 4		
LOGISTICS	DV-01		DV-01		DV-01	DV-04	DV-05		DV-06	DV-07			DV-08	DV-01			DV-01	DV-04	DV-05		DV-06	DV-07			DV-08	ทดสอบน้ำดี

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# แผนงานความปลอดภัย

## Exercise plan 2025

Activity		Site	Area	Requirments (LAW EIA/IEE)	Level	Plan	Action Plan 2025												Remark
							Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	
							W1-W2-W3-W4	W1-W2-W3-W4	W1-W2-W3-W4	W1-W2-W3-W4	W1-W2-W3-W4	W1-W2-W3-W4	W1-W2-W3-W4	W1-W2-W3-W4	W1-W2-W3-W4	W1-W2-W3-W4	W1-W2-W3-W4	W1-W2-W3-W4	
Annual Plan Emergency Exercise Internal	1	PPH1,2 - Catalyst	ไฟไหม้ สายพานลำเลียง	L1	Plan													29-Jul-25 (วันพุธ)	
		ALL Site#1 LL,HDH1,LD	ไฟไหม้สายพานลำเลียง อุปกรณ์ไฟฟ้า	L2	Plan													22-Oct-25 (วันพุธ)	
		Store S-1	สายพานลำเลียง การทดสอบระบบระบาย	-	Plan													26-Feb-25 (วันพุธ)	
					Actual														
	3	HDH2,3 - TC-WAX	ไฟไหม้ อุปกรณ์ไฟฟ้า	L1	Plan													19-Mar-25 (วันพุธ) Ed ERT-MOC = on Call	
				Actual															
	OSBL Site#3 Evacuation	Fire case L2 ROC	L2	Plan														17-Sep-25 (วันพุธ) Ed ERT-MOC = on Call	
				Actual															
	7	HDH4, PPH3	ไฟไหม้สายพานลำเลียง อุปกรณ์ไฟฟ้า	L2	Plan														20-Aug-25 (วันพุธ) Ed ERT-MOC = on Call
				Actual															
10	Store S-7	ไฟไหม้ สายพานลำเลียง	-	Plan														21-May-25 (วันพุธ)	
			Actual																
	PPC	ไฟไหม้ ถังเก็บน้ำมัน	L1	Plan														18-Jun-25 (วันพุธ) Ed ERT-MOC = on Call	
			Actual																
1	SCGC ICO	ไฟไหม้ อุปกรณ์ไฟฟ้า	L1	Plan														23-Apr-25 (วันพุธ)	
				Actual															
	1	ASTEC1	ไฟไหม้สายพานลำเลียง	L1	Plan														
					Actual														

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## ภาคผนวก ค

ใบรับรองผลการตรวจวิเคราะห์

# ภาคผนวก ค-1

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คุณภาพอากาศจากปล่องระบาย



## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand  
21150

**P/O :** PMM-23-11

**Project Name :** Environmental Monitoring

**Project Location :** LDPE

**Lot ID: 2537272**

Date Received : May 26, 2025

Date Reported : Jun 06, 2025

Report Number: 3287401-1

Page 1 of 1

**Sample Number** 2537272-1  
**Sampled Date** May 26, 2025  
**Sample Description** Emission from Stationary Source  
**Location** Weigh Hopper (TK-229A)  
**Date Analysis Commenced** May 27, 2025  
**Condition of Sample** Extracted into one 10-L air sampling bag

### Stack Description

Ambient Pressure	754	mmHg	Diameter	0.70	m	Oxygen	20.9	%
Ambient Temperature	30.1	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	37.8	°C	Gas Velocity	21.9	m/s
Type of Fuel	-		Moisture	3.14	%	Flow Rate (Actual O2)	27953	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Ethylene	02:20 PM - 02:30 PM	ppm	-	1.0	28.0	Gas Chromatography	Bangkok
Propane	02:20 PM - 02:30 PM	ppm	-	1.0	<1.0	Gas Chromatography	Bangkok

**Sampling By :** Nantawat Sarin

Remark :

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

Approved by

*Saranya C.*

Saranya Chalerthamrong  
Scientist (4)

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

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand  
21150

**P/O :** PMM-23-11

**Project Name :** Environmental Monitoring

**Project Location :** LDPE

**Lot ID: 2537276**

Date Received : May 26, 2025

Date Reported : Jun 06, 2025

Report Number: 3287402-1

Page 1 of 1

**Sample Number** 2537276-1  
**Sampled Date** May 26, 2025  
**Sample Description** Emission from Stationary Source  
**Location** Degassing Hopper(TK-234B)  
**Date Analysis Commenced** May 27, 2025  
**Condition of Sample** Extracted into one 10-L air sampling bag

### Stack Description

Ambient Pressure	754	mmHg	Diameter	0.70	m	Oxygen	20.9	%
Ambient Temperature	30.1	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	36.0	°C	Gas Velocity	2.2	m/s
Type of Fuel	-		Moisture	3.14	%	Flow Rate (Actual O2)	2827	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Ethylene	02:40 PM - 02:50 PM	ppm	-	1.0	25.0	Gas Chromatography	Bangkok
Propane	02:40 PM - 02:50 PM	ppm	-	1.0	<1.0	Gas Chromatography	Bangkok

**Sampling By :** Nantawat Sarin

Remark :

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

Approved by

*Saranya C.*

Saranya Chalerthamrong  
Scientist (4)

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# ภาคผนวก ค-2

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คุณภาพอากาศในบรรยากาศ





## Analysis / Test Report

**Client** : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

**P/O** : PMM-23-11

**Project Name** : Environmental Monitoring

**Project Location** : LDPE

**Lot ID: 2537255**

Date Received : Jun 02, 2025

Date Reported : Jun 13, 2025

Report Number : 3287380-1

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**Sample Number** 2537255-1

**Sampled Date** May 22, 2025

**Sample Description** Air Quality

**Location** โรงเรียนบ้านหนองแฟบ เทศบาลตำบลเวียงใต้

**Date Analysis Commenced** Jun 05, 2025

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Ethylene	22/05/25 - 23/05/25	ppm	-	1.0	<1.0	Based on ASTM, D 2712-23	Bangkok
Propane	22/05/25 - 23/05/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-23	Bangkok

**Sampled By** : Siriwit Ruangsom

Remark :

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

Approved by

*Saranya C.*

Saranya Chalermtamrong  
Scientist (4)

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## Analysis / Test Report

**Client** : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

**P/O** : PMM-23-11

**Project Name** : Environmental Monitoring

**Project Location** : LDPE

**Lot ID: 2537255**

Date Received : Jun 02, 2025

Date Reported : Jun 13, 2025

Report Number : 3287380-1

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**Sample Number** 2537255-2

**Sampled Date** May 23, 2025

**Sample Description** Air Quality

**Location** โรงเรียนบ้านหนองแฟบ เทศบาลตำบลเวียงใต้

**Date Analysis Commenced** Jun 05, 2025

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Ethylene	23/05/25 - 24/05/25	ppm	-	1.0	<1.0	Based on ASTM, D 2712-23	Bangkok
Propane	23/05/25 - 24/05/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-23	Bangkok

**Sampled By** : Siriwit Ruangsom

Remark :

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

Approved by

*Saranya C.*

Saranya Chalermtamrong  
Scientist (4)

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## Analysis / Test Report

**Client** : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

**P/O** : PMM-23-11

**Project Name** : Environmental Monitoring

**Project Location** : LDPE

**Lot ID: 2537255**

Date Received : Jun 02, 2025

Date Reported : Jun 13, 2025

Report Number : 3287380-1

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**Sample Number** 2537255-3

**Sampled Date** May 24, 2025

**Sample Description** Air Quality

**Location** โรงเรียนบ้านหนองแฟบ เทศบาลตำบลเวียงใต้

**Date Analysis Commenced** Jun 05, 2025

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Ethylene	24/05/25 - 25/05/25	ppm	-	1.0	<1.0	Based on ASTM, D 2712-23	Bangkok
Propane	24/05/25 - 25/05/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-23	Bangkok

**Sampled By** : Siriwit Ruangsom

Remark :

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

Approved by

*Saranya C.*

Saranya Chalermtamrong  
Scientist (4)

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## Analysis / Test Report

**Client** : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

**P/O** : PMM-23-11

**Project Name** : Environmental Monitoring

**Project Location** : LDPE

**Lot ID: 2537255**

Date Received : Jun 02, 2025

Date Reported : Jun 13, 2025

Report Number : 3287380-1

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**Sample Number** 2537255-4

**Sampled Date** May 25, 2025

**Sample Description** Air Quality

**Location** โรงเรียนบ้านหนองแฟบ เทศบาลตำบลเวียงใต้

**Date Analysis Commenced** Jun 05, 2025

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Ethylene	25/05/25 - 26/05/25	ppm	-	1.0	<1.0	Based on ASTM, D 2712-23	Bangkok
Propane	25/05/25 - 26/05/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-23	Bangkok

**Sampled By** : Siriwit Ruangsom

Remark :

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*Saranya C.*

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## Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2537255

Date Received : Jun 02, 2025

Date Reported : Jun 13, 2025

Report Number : 3287380-1

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Sample Number 2537255-5

Sampled Date May 26, 2025

Sample Description Air Quality

Location โรงเรือนบ้านหนองแฟบ ที่ศทางลมตะวันตกเฉียงใต้

Date Analysis Commenced Jun 05, 2025

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Ethylene	26/05/25 - 27/05/25	ppm	-	1.0	<1.0	Based on ASTM, D 2712-23	Bangkok
Propane	26/05/25 - 27/05/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-23	Bangkok

Sampled By : Siriwit Ruangsom

Remark :

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

Approved by

*Saranya C.*

Saranya Chalermtthamrong  
Scientist (4)

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## Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2537255

Date Received : Jun 02, 2025

Date Reported : Jun 13, 2025

Report Number : 3287380-1

Page 6 of 14

Sample Number 2537255-6

Sampled Date May 27, 2025

Sample Description Air Quality

Location โรงเรือนบ้านหนองแฟบ ที่ศทางลมตะวันตกเฉียงใต้

Date Analysis Commenced Jun 05, 2025

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Ethylene	27/05/25 - 28/05/25	ppm	-	1.0	<1.0	Based on ASTM, D 2712-23	Bangkok
Propane	27/05/25 - 28/05/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-23	Bangkok

Sampled By : Siriwit Ruangsom

Remark :

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

Approved by

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## Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2537255

Date Received : Jun 02, 2025

Date Reported : Jun 13, 2025

Report Number : 3287380-1

Page 7 of 14

Sample Number 2537255-7

Sampled Date May 28, 2025

Sample Description Air Quality

Location โรงเรือนบ้านหนองแฟบ ที่ศทางลมตะวันตกเฉียงใต้

Date Analysis Commenced Jun 05, 2025

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Ethylene	28/05/25 - 29/05/25	ppm	-	1.0	<1.0	Based on ASTM, D 2712-23	Bangkok
Propane	28/05/25 - 29/05/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-23	Bangkok

Sampled By : Siriwit Ruangsom

Remark :

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

Approved by

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## Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2537255

Date Received : Jun 02, 2025

Date Reported : Jun 13, 2025

Report Number : 3287380-1

Page 8 of 14

Sample Number 2537255-8

Sampled Date May 22, 2025

Sample Description Air Quality

Location บ้านนาขลุ่ย ที่ศทางลมเหนือ-ใต้

Date Analysis Commenced Jun 05, 2025

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Ethylene	22/05/25 - 23/05/25	ppm	-	1.0	<1.0	Based on ASTM, D 2712-23	Bangkok
Propane	22/05/25 - 23/05/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-23	Bangkok

Sampled By : Siriwit Ruangsom

Remark :

- LOD : Limit of Detection
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Approved by

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## Analysis / Test Report

**Client** : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

**P/O** : PMM-23-11

**Project Name** : Environmental Monitoring

**Project Location** : LDPE

**Lot ID: 2537255**

Date Received : Jun 02, 2025

Date Reported : Jun 13, 2025

Report Number : 3287380-1

Page 9 of 14

**Sample Number** 2537255-9  
**Sampled Date** May 23, 2025  
**Sample Description** Air Quality  
**Location** บ้านนาบลด เทศบาลเมือง-ไผ่  
**Date Analysis Commenced** Jun 05, 2025

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Ethylene	23/05/25 - 24/05/25	ppm	-	1.0	<1.0	Based on ASTM, D 2712-23	Bangkok
Propane	23/05/25 - 24/05/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-23	Bangkok

**Sampled By** : Siriwit Ruangsom

Remark :

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Approved by

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## Analysis / Test Report

**Client** : Thai Polyethylene Co., Ltd.

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Thailand 21150

**P/O** : PMM-23-11

**Project Name** : Environmental Monitoring

**Project Location** : LDPE

**Lot ID: 2537255**

Date Received : Jun 02, 2025

Date Reported : Jun 13, 2025

Report Number : 3287380-1

Page 10 of 14

**Sample Number** 2537255-10  
**Sampled Date** May 24, 2025  
**Sample Description** Air Quality  
**Location** บ้านนาบลด เทศบาลเมือง-ไผ่  
**Date Analysis Commenced** Jun 05, 2025

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Ethylene	24/05/25 - 25/05/25	ppm	-	1.0	<1.0	Based on ASTM, D 2712-23	Bangkok
Propane	24/05/25 - 25/05/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-23	Bangkok

**Sampled By** : Siriwit Ruangsom

Remark :

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## Analysis / Test Report

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Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2537255

Date Received : Jun 02, 2025

Date Reported : Jun 13, 2025

Report Number : 3287380-1

Page 11 of 14

Sample Number 2537255-11

Sampled Date May 25, 2025

Sample Description Air Quality

Location บ้านนาขลุ่ย ศึกษางานเหนือ-ใต้

Date Analysis Commenced Jun 05, 2025

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Ethylene	25/05/25 - 26/05/25	ppm	-	1.0	<1.0	Based on ASTM, D 2712-23	Bangkok
Propane	25/05/25 - 26/05/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-23	Bangkok

Sampled By : Siriwit Ruangsom

Remark :

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## Analysis / Test Report

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Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2537255

Date Received : Jun 02, 2025

Date Reported : Jun 13, 2025

Report Number : 3287380-1

Page 12 of 14

Sample Number 2537255-12

Sampled Date May 26, 2025

Sample Description Air Quality

Location บ้านนาขลุ่ย ศึกษางานเหนือ-ใต้

Date Analysis Commenced Jun 05, 2025

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Ethylene	26/05/25 - 27/05/25	ppm	-	1.0	<1.0	Based on ASTM, D 2712-23	Bangkok
Propane	26/05/25 - 27/05/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-23	Bangkok

Sampled By : Siriwit Ruangsom

Remark :

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## Analysis / Test Report

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Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2537255

Date Received : Jun 02, 2025

Date Reported : Jun 13, 2025

Report Number : 3287380-1

Page 13 of 14

Sample Number 2537255-13

Sampled Date May 27, 2025

Sample Description Air Quality

Location บ้านนาบลด เทศบาลเมือง-ไผ่

Date Analysis Commenced Jun 05, 2025

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Ethylene	27/05/25 - 28/05/25	ppm	-	1.0	<1.0	Based on ASTM, D 2712-23	Bangkok
Propane	27/05/25 - 28/05/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-23	Bangkok

Sampled By : Siriwit Ruangsom

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.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2537255

Date Received : Jun 02, 2025

Date Reported : Jun 13, 2025

Report Number : 3287380-1

Page 14 of 14

Sample Number 2537255-14

Sampled Date May 28, 2025

Sample Description Air Quality

Location บ้านนาบลด เทศบาลเมือง-ไผ่

Date Analysis Commenced Jun 05, 2025

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Ethylene	28/05/25 - 29/05/25	ppm	-	1.0	<1.0	Based on ASTM, D 2712-23	Bangkok
Propane	28/05/25 - 29/05/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-23	Bangkok

Sampled By : Siriwit Ruangsom

Remark :

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## Analysis / Test Report

**Client** : Thai Polyethylene Co., Ltd.  
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand  
21150  
**P/O** : PMM-23-11  
**Project Name** : Environmental Monitoring  
**Project Location** : TPE Site 1

**Lot ID: 2537269**  
Date Received : May 30, 2025  
Date Reported : Jun 09, 2025  
Report Number : 3287396-1

Page 1 of 2

**Sample Number** : 2537269-1 to 7  
**Parameter** : Wind Speed / Wind Direction  
**Location** : บ้านนาขุด ฝั่งทางถนนเฟล็ค-ไค  
**Sampling Date** : May 22 - May 29, 2025  
**Sampling by** : Siriwit Ruangsom

Time	May 22 - May 23, 2025		May 23 - May 24, 2025		May 24 - May 25, 2025		May 25 - May 26, 2025		May 26 - May 27, 2025		May 27 - May 28, 2025		May 28 - May 29, 2025	
	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)
10:00 AM - 11:00 AM	0.5	149.0	SSE	0.3	186.0	S	0.3	158.0	SSE	0.2	-	-	0.6	212.0
11:00 AM - 12:00 PM	0.7	132.0	SE	0.0	-	-	0.1	-	-	1.0	113.0	ESE	1.1	107.0
12:00 PM - 01:00 PM	0.5	333.0	NNW	0.3	299.0	WNW	0.5	117.0	ESE	0.9	163.0	SSE	1.0	283.0
01:00 PM - 02:00 PM	0.9	341.0	NNW	0.2	-	-	1.3	209.0	SSW	0.1	-	-	0.5	182.0
02:00 PM - 03:00 PM	0.1	-	-	1.0	213.0	SSW	1.2	154.0	SSE	0.2	-	-	2.8	106.0
03:00 PM - 04:00 PM	0.7	9.0	N	0.3	250.0	WSW	0.2	-	-	2.7	125.0	SE	1.8	179.0
04:00 PM - 05:00 PM	0.1	-	-	1.1	288.0	WNW	0.4	113.0	ESE	1.1	214.0	SW	2.3	193.0
05:00 PM - 06:00 PM	0.6	231.0	SW	0.6	227.0	SW	0.7	112.0	ESE	1.4	112.0	ESE	0.3	216.0
06:00 PM - 07:00 PM	0.2	-	-	0.0	-	-	0.0	-	-	1.5	181.0	S	0.8	246.0
07:00 PM - 08:00 PM	0.5	137.0	SE	0.9	266.0	W	0.4	24.0	NNE	1.3	227.0	SW	0.3	29.0
08:00 PM - 09:00 PM	0.0	-	-	0.0	-	-	0.6	189.0	S	0.6	255.0	WSW	0.0	-
09:00 PM - 10:00 PM	0.4	177.0	S	0.2	-	-	0.3	138.0	SE	0.7	84.0	E	0.6	294.0
10:00 PM - 11:00 PM	0.1	-	-	0.0	-	-	0.5	219.0	SW	0.9	105.0	ESE	0.2	-
11:00 PM - 12:00 AM	0.2	-	-	0.3	359.0	N	0.8	214.0	SW	0.1	-	-	0.1	-
12:00 AM - 01:00 AM	0.0	-	-	0.0	-	-	0.4	34.0	NE	0.4	201.0	SSW	0.6	18.0
01:00 AM - 02:00 AM	0.0	-	-	0.8	269.0	W	0.0	-	-	0.0	-	-	0.6	352.0
02:00 AM - 03:00 AM	0.6	34.0	NE	0.2	-	-	0.1	-	-	0.4	2.0	N	0.4	352.0
03:00 AM - 04:00 AM	0.2	-	-	0.1	-	-	0.6	348.0	NNW	0.6	1.0	N	0.9	144.0
04:00 AM - 05:00 AM	0.6	34.0	NE	0.5	358.0	N	0.4	27.0	NNE	0.2	-	-	1.6	125.0
05:00 AM - 06:00 AM	0.4	5.0	N	0.0	-	-	0.0	-	-	0.5	309.0	NW	0.6	352.0
06:00 AM - 07:00 AM	0.1	-	-	1.0	22.0	NNE	0.3	27.0	NNE	0.9	0.0	N	0.0	-
07:00 AM - 08:00 AM	0.8	2.0	N	0.3	93.0	E	0.8	107.0	ESE	0.4	12.0	NNE	0.2	-
08:00 AM - 09:00 AM	0.4	359.0	N	0.4	40.0	NE	0.4	166.0	SSE	0.2	-	-	0.6	0.0
09:00 AM - 10:00 AM	0.0	-	-	0.7	18.0	NNE	0.5	115.0	ESE	0.8	272.0	W	1.2	34.0

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jitranont  
Assistant General Manager

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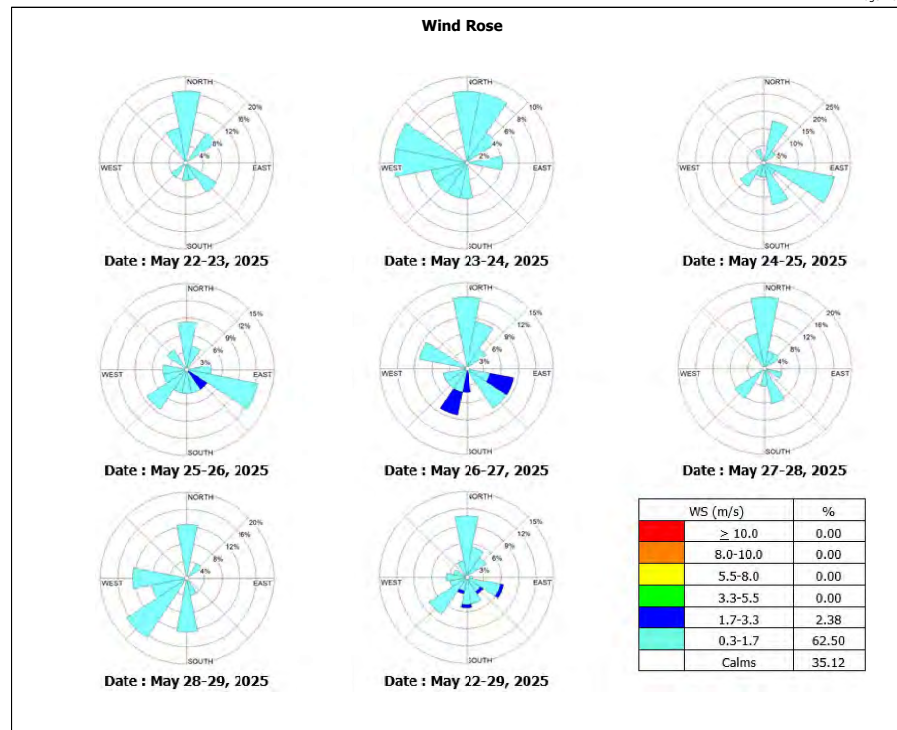


## Analysis / Test Report

**Client** : Thai Polyethylene Co., Ltd.  
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand  
21150  
**P/O** : PMM-23-11  
**Project Name** : Environmental Monitoring  
**Project Location** : TPE Site 1

**Lot ID: 2537269**  
Date Received : May 30, 2025  
Date Reported : Jun 09, 2025  
Report Number : 3287396-1

Page 2 of 2



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Assistant General Manager

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10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand  
21150  
**P/O** : PMM-23-11  
**Project Name** : Environmental Monitoring  
**Project Location** : TPE Site 1

**Lot ID:** 2537265  
**Date Received** : May 30, 2025  
**Date Reported** : Jun 09, 2025  
**Report Number** : 3287389-1

Page 1 of 2

**Sample Number** : 2537265-1 to 7  
**Parameter** : Wind Speed / Wind Direction  
**Location** : โรงเรียนบ้านหนองแฟบ یتھทางสมณะวันเอกเมืองใต้  
**Sampling Date** : May 22 - May 29, 2025  
**Sampling by** : Siriwit Ruangsom

Time	May 22 - May 23, 2025			May 23 - May 24, 2025			May 24 - May 25, 2025			May 25 - May 26, 2025			May 26 - May 27, 2025			May 27 - May 28, 2025			May 28 - May 29, 2025		
	WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)	
12:00 PM - 01:00 PM	1.2	245.0	WSW	1.0	251.0	WSW	1.1	192.0	SSW	0.8	184.0	S	2.0	182.0	S	1.4	218.0	SW	0.0	-	-
01:00 PM - 02:00 PM	0.6	184.0	S	0.8	258.0	WSW	1.4	201.0	SSW	0.7	159.0	SSE	1.6	193.0	SSW	0.5	168.0	SSE	0.6	247.0	WSW
02:00 PM - 03:00 PM	1.0	142.0	SE	0.9	263.0	W	0.8	221.0	SW	1.0	163.0	SSE	0.3	200.0	SSW	0.8	119.0	ESE	1.6	232.0	SW
03:00 PM - 04:00 PM	0.4	169.0	S	0.5	214.0	SW	0.6	246.0	WSW	0.6	115.0	ESE	1.9	238.0	WSW	0.4	357.0	N	0.1	-	-
04:00 PM - 05:00 PM	0.5	134.0	SE	1.0	289.0	WNW	0.7	287.0	WNW	0.5	132.0	SE	0.4	295.0	WNW	0.9	153.0	SSE	0.0	-	-
05:00 PM - 06:00 PM	0.8	96.0	E	0.8	251.0	WSW	0.9	318.0	NW	0.9	159.0	SSE	0.3	328.0	NNW	0.5	102.0	ESE	0.6	240.0	WSW
06:00 PM - 07:00 PM	0.2	-	-	0.4	238.0	WSW	0.2	-	-	0.4	249.0	WSW	0.2	-	-	0.8	139.0	SE	0.2	-	-
07:00 PM - 08:00 PM	0.9	113.0	ESE	0.5	254.0	WSW	0.1	-	-	0.0	-	-	0.0	-	-	0.2	-	-	0.9	221.0	SW
08:00 PM - 09:00 PM	0.1	-	-	0.2	-	-	0.6	144.0	SE	0.6	246.0	WSW	0.8	148.0	SSE	0.9	132.0	SE	0.3	215.0	SW
09:00 PM - 10:00 PM	1.1	113.0	ESE	0.6	252.0	WSW	0.4	158.0	SSE	0.2	-	-	0.7	140.0	SE	1.1	137.0	SE	0.8	242.0	WSW
10:00 PM - 11:00 PM	0.6	245.0	WSW	0.4	258.0	WSW	0.2	-	-	0.8	225.0	SW	1.1	137.0	SE	0.0	-	-	0.6	250.0	WSW
11:00 PM - 12:00 AM	0.2	-	-	0.1	-	-	0.0	-	-	0.1	-	-	0.0	-	-	0.8	283.0	WNW	0.1	-	-
12:00 AM - 01:00 AM	0.1	-	-	0.0	-	-	0.2	-	-	0.0	-	-	1.4	163.0	SSE	0.5	289.0	WNW	0.0	-	-
01:00 AM - 02:00 AM	0.0	-	-	0.6	204.0	SSW	0.7	201.0	SSW	0.3	279.0	W	0.0	-	-	0.1	-	-	0.6	311.0	NW
02:00 AM - 03:00 AM	0.2	-	-	0.2	-	-	0.6	182.0	S	0.6	289.0	WNW	0.3	183.0	S	0.3	273.0	W	0.9	311.0	NW
03:00 AM - 04:00 AM	0.6	269.0	W	0.4	323.0	NW	0.3	74.0	ENE	0.9	293.0	WNW	0.0	-	-	0.5	284.0	WNW	0.8	330.0	NNW
04:00 AM - 05:00 AM	0.0	-	-	0.6	297.0	WNW	0.2	-	-	0.4	278.0	W	0.8	239.0	WSW	0.1	-	-	1.1	308.0	NW
05:00 AM - 06:00 AM	0.4	281.0	W	0.4	249.0	WSW	1.0	209.0	SSW	0.9	291.0	WNW	2.0	219.0	SW	0.9	282.0	WNW	0.6	257.0	WSW
06:00 AM - 07:00 AM	0.8	272.0	W	0.7	267.0	W	0.8	91.0	E	0.7	283.0	WNW	0.3	61.0	ENE	0.2	-	-	1.0	280.0	W
07:00 AM - 08:00 AM	0.9	284.0	WNW	0.9	263.0	W	0.6	64.0	ENE	1.0	295.0	WNW	0.4	0.0	N	0.7	283.0	WNW	1.0	256.0	WSW
08:00 AM - 09:00 AM	0.5	204.0	SSW	1.0	258.0	WSW	0.9	173.0	S	1.2	264.0	W	1.0	162.0	SSE	0.5	191.0	S	0.1	-	-
09:00 AM - 10:00 AM	0.4	281.0	W	1.2	291.0	WNW	1.0	158.0	SSE	1.8	253.0	WSW	0.0	-	-	1.0	288.0	WNW	0.6	259.0	W
10:00 AM - 11:00 AM	1.0	243.0	WSW	0.8	276.0	W	1.1	162.0	SSE	2.1	241.0	WSW	0.5	110.0	ESE	1.3	253.0	WSW	0.9	264.0	W
11:00 AM - 12:00 PM	1.5	224.0	SW	0.9	264.0	W	1.5	171.0	S	0.7	185.0	S	1.3	172.0	S	1.8	229.0	SW	1.0	281.0	W

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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

Approved by

Sarayuth Jitranont  
Assistant General Manager

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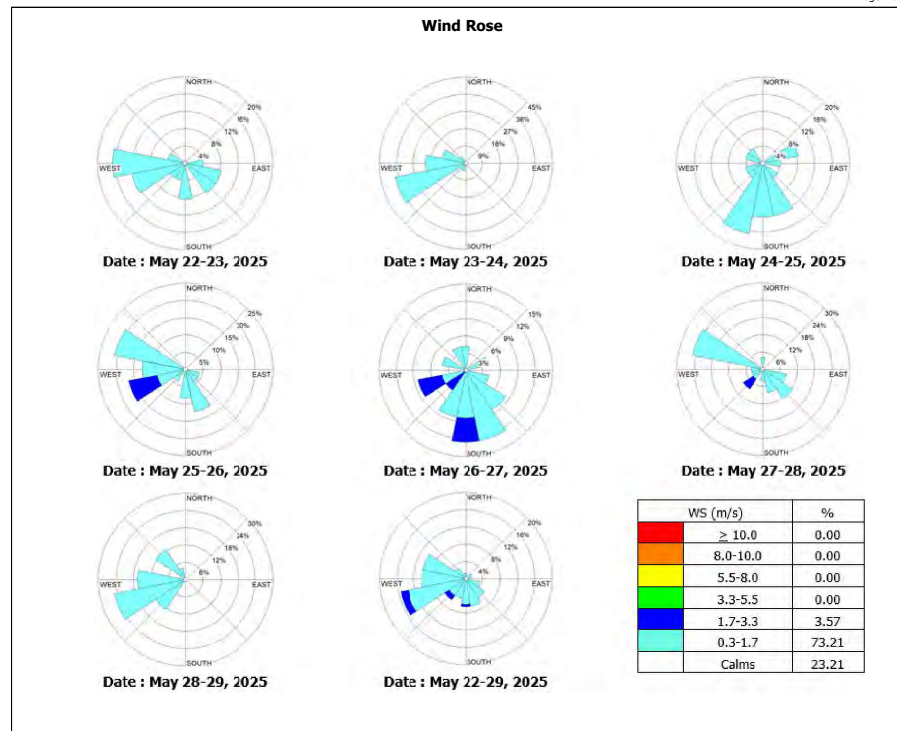


## Analysis / Test Report

**Client** : Thai Polyethylene Co., Ltd.  
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand  
21150  
**P/O** : PMM-23-11  
**Project Name** : Environmental Monitoring  
**Project Location** : TPE Site 1

**Lot ID:** 2537265  
**Date Received** : May 30, 2025  
**Date Reported** : Jun 09, 2025  
**Report Number** : 3287389-1

Page 2 of 2



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Sarayuth Jitranont  
Assistant General Manager

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

**P/O :** PMM-23-11

**Project Name :** Environmental Monitoring

**Project Location:** TPE Site 1



TESTING

№ 0042

**Lot ID: 24143232**

Date Received : Jan 20, 2025

Date Reported : Jan 28, 2025

Report Number : 3200006-1

Page 1 of 2

Sample Number	24143232-1						
Sampled Date	Jan 20, 2025 9:40 AM						
Sample Description	Wastewater						
Location	Final Check Pond ของโรงงาน LDPE						
Date Analysis Commenced	Jan 20, 2025						
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	31	≤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	56	≤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	53	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.0	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	512	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	25	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Technical Management

**Photchana S.**

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ 7-323-0-0028

Approved by

**D. Chanchon**

Dej Chanchon

Senior Manager

ทะเบียนเลขที่ 7-323-0-0001

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

**P/O :** PMM-23-11

**Project Name :** Environmental Monitoring

**Project Location:** TPE Site 1



TESTING

№ 0042

**Lot ID: 24143232**

Date Received : Jan 20, 2025

Date Reported : Jan 28, 2025

Report Number : 3200006-1

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 :** Wasan Kinunti ทะเบียนเลขที่ 7-323-0-0019 , Thanasoun Namakunna ทะเบียนเลขที่ 7-204-0-0101

Remark :

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

Technical Management

**Photchana S.**

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ 7-323-0-0028

Approved by

**D. Chanchon**

Dej Chanchon

Senior Manager

ทะเบียนเลขที่ 7-323-0-0001

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

**P/O :** PMM-23-11

**Project Name :** Environmental Monitoring

**Project Location:** TPE Site 1



TESTING  
№ 0042

**Lot ID: 252954**

Date Received : Feb 07, 2025

Date Reported : Feb 17, 2025

Report Number : 3209752-1

Page 1 of 2

Sample Number	252954-1						
Sampled Date	Feb 07, 2025 10:58 AM						
Sample Description	Wastewater						
Location	Final Check Pond ของโรงงาน LDPE						
Date Analysis Commenced	Feb 07, 2025						
Condition of Sample	Contained in one amber glass bottle, two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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	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	10	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	9	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	34.3	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	840	≤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

**Photchana S.**

Photchana Seeda  
Scientist (4)

ทะเบียนเลขที่ 7-323-ก-0028

Approved by

**D. Chanchon**

Dej Chanchon  
Senior Manager

ทะเบียนเลขที่ 7-323-ก-0001

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

**P/O :** PMM-23-11

**Project Name :** Environmental Monitoring

**Project Location:** TPE Site 1



TESTING  
№ 0042

**Lot ID: 252954**

Date Received : Feb 07, 2025

Date Reported : Feb 17, 2025

Report Number : 3209752-1

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 :** Phongthep Sitthiloh ทะเบียนเลขที่ 7-323-ก-0023 , Kardbundit Kitisupavanit ทะเบียนเลขที่ 7-204-ก-0001

Remark :

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

Technical Management

**Photchana S.**

Photchana Seeda  
Scientist (4)

ทะเบียนเลขที่ 7-323-ก-0028

Approved by

**D. Chanchon**

Dej Chanchon  
Senior Manager

ทะเบียนเลขที่ 7-323-ก-0001

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## Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1



TESTING  
Nn 0042

Lot ID: 2514221

Date Received : Mar 07, 2025

Date Reported : Mar 14, 2025

Report Number : 3235147-1

Page 1 of 2

Sample Number	2514221-1						
Sampled Date	Mar 07, 2025 11:00 AM						
Sample Description	Wastewater						
Location	Final Check Pond ของโรงงาน LDPE						
Date Analysis Commenced	Mar 07, 2025						
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	4.3	≤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	36	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	10	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	10	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	35.4	≤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	516	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

Technical Management

Photchana S.

Photchana Seeda  
Scientist (4)  
ทะเบียนเลขที่ 3-323-3-0028

Approved by

D. Chamon

Dej Changchon  
Senior Manager  
ทะเบียนเลขที่ 3-323-3-0001

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## Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1



TESTING  
Nn 0042

Lot ID: 2514221

Date Received : Mar 07, 2025

Date Reported : Mar 14, 2025

Report Number : 3235147-1

Page 2 of 2

Sample Number	2514221-1						
Sampled Date	Mar 07, 2025 11:00 AM						
Sample Description	Wastewater						
Location	Final Check Pond ของโรงงาน LDPE						
Date Analysis Commenced	Mar 07, 2025						
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	15	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

**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 :** Phongthep Sitthiloh ทะเบียนเลขที่ 3-323-3-0023 , Sangtawan Natasat ทะเบียนเลขที่ 3-204-3-0116

Remark :

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

Technical Management

Photchana S.

Photchana Seeda  
Scientist (4)  
ทะเบียนเลขที่ 3-323-3-0028

Approved by

D. Chamon

Dej Changchon  
Senior Manager  
ทะเบียนเลขที่ 3-323-3-0001

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

**P/O :** 5002206654, 5002206780

**Project Name :** Environmental Monitoring

**Project Location :** LDPE\_S1



**TESTING**  
**No.0042**

**Lot ID: 2521176**

Date Received : Apr 04, 2025

Date Reported : Apr 22, 2025

Report Number : 3248596-1 C1

Page 1 of 2

Sample Number	2521176-1						
Sampled Date	Apr 04, 2025 11:20 AM						
Sample Description	Wastewater						
Location	บ่อดักไขมันอุตสาหกรรม (Check Pond)						
Date Analysis Commenced	Apr 04, 2025						
Condition of Sample	Contained in one amber glass bottle, two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	3.6	≤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	36	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	8	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	8	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	35.3	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	584	≤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	23	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Technical Management

**Photchana S.**

Photchana Seeda  
Scientist (4)

ทะเบียนเลขที่ ร-323-ร-0028

Approved by

**D. Changchon**

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ร-323-ร-0001

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

**P/O :** 5002206654, 5002206780

**Project Name :** Environmental Monitoring

**Project Location :** LDPE\_S1



**TESTING**  
**No.0042**

**Lot ID: 2521176**

Date Received : Apr 04, 2025

Date Reported : Apr 22, 2025

Report Number : 3248596-1 C1

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).  
**Sampled By :** Narunat thammassaro ทะเบียนเลขที่ ร-323-ร-0052 , Samart Khumplhee ทะเบียนเลขที่ ร-204-ร-0084

Remark :

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

Technical Management

**Photchana S.**

Photchana Seeda  
Scientist (4)

ทะเบียนเลขที่ ร-323-ร-0028

Approved by

**D. Changchon**

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ร-323-ร-0001

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

**P/O :** 5002206654, 5002206780

**Project Name :** Environmental Monitoring

**Project Location:** LDPE\_S1



**TESTING**  
**No.0042**

**Lot ID: 2533524**

Date Received : May 09, 2025

Date Reported : May 19, 2025

Report Number : 3277796-1 C1

Page 1 of 2

<b>Sample Number</b>	2533524-1						
<b>Sampled Date</b>	May 09, 2025 10:20 AM						
<b>Sample Description</b>	Wastewater						
<b>Location</b>	บ่อดักไขมันอุตสาหกรรม (Check Pond)						
<b>Date Analysis Commenced</b>	May 09, 2025						
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	33	≤120	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	15	≤300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	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		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	35.8	≤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	640	≤3000	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	6	≤50	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Technical Management

**Photchana S.**

Photchana Seeda  
Scientist (4)

ทะเบียนเลขที่ 3-323-ก-0028

Approved by

**D. Chuan**

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ 3-323-ก-0001

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10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

**P/O :** 5002206654, 5002206780

**Project Name :** Environmental Monitoring

**Project Location:** LDPE\_S1



**TESTING**  
**No.0042**

**Lot ID: 2533524**

Date Received : May 09, 2025

Date Reported : May 19, 2025

Report Number : 3277796-1 C1

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).  
**Sampled By :** Sansoen Khuiyoksuai ทะเบียนเลขที่ 3-323-ก-0005 , Samart Khumphlee ทะเบียนเลขที่ 3-204-ก-0084

Remark :

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

Technical Management

**Photchana S.**

Photchana Seeda  
Scientist (4)

ทะเบียนเลขที่ 3-323-ก-0028

Approved by

**D. Chuan**

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ 3-323-ก-0001

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

**P/O :** PMM-23-11

**Project Name :** Environmental Monitoring

**Project Location :** TPE Site 1



TESTING

№ 0042

**Lot ID: 2542520**

Date Received : Jun 06, 2025

Date Reported : Jul 01, 2025

Report Number : 3348934-1

Page 1 of 1

<b>Sample Number</b>	2542520-1						
<b>Sampled Date</b>	Jun 06, 2025 10:20 AM						
<b>Sample Description</b>	Wastewater						
<b>Location</b>	Final Check Pond ของโรงงาน LDPE						
<b>Date Analysis Commenced</b>	Jun 06, 2025						
<b>Condition of Sample</b>	Contained in one amber glass bottle, two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	2.3	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Color (at Original pH)	ADMI	-	5	20	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	18	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C	-	-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	36.0	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	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 :** Narunat thammassaro ทะเบียนเลขที่ ร-323-จ-0052 , Samart Khumphlee ทะเบียนเลขที่ ร-204-จ-0084

Remark :

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

Technical Management

**Photchana S.**

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ร-323-จ-0028

Approved by

**D. Chanchon**

Dej Chanchon

Senior Manager

ทะเบียนเลขที่ ร-323-จ-0001

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :**



TESTING

№ 0042

**Lot ID: 2558707**

Date Received : Jun 23, 2025

Date Reported : Jun 28, 2025

Report Number : 3337490-1

Page 1 of 1

<b>Sample Number</b>	2558707-1						
<b>Sampled Date</b>	Jun 23, 2025 9:35 AM						
<b>Sample Description</b>	Wastewater						
<b>Location</b>	Final Check Pond ของโรงงาน LDPE						
<b>Date Analysis Commenced</b>	Jun 24, 2025						
<b>Condition of Sample</b>	Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
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
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	772	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

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

**Sampling By :** Wanlop Hunchainaow ทะเบียนเลขที่ ร-323-จ-0038

Remark :

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

Technical Management

**Photchana S.**

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ร-323-จ-0028

Approved by

**D. Chanchon**

Dej Chanchon

Senior Manager

ทะเบียนเลขที่ ร-323-จ-0001

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## ภาคผนวก ค-4

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ระดับเสียงทั่วไป



## Analysis / Test Report



TESTING  
No 0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Lot ID: 2533502

Date Received : May 30, 2025

Date Reported : Jun 06, 2025

Report Number: 3325747-1

Page 1 of 1

Sample Number 2533502-1  
Parameter Noise (Leq 24 hrs.)  
Location อาคารสำนักงานของกลุ่มโรงงาน TPE Site#1  
Measurement Date May 22 - May 23, 2025  
Measurement by Siriwit Ruangsom  
Sound Level meter Serial No. 1122579

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	60.3	81.4	57.9
12:00 PM - 01:00 PM	60.1	74.5	58.4
01:00 PM - 02:00 PM	60.8	77.5	59.2
02:00 PM - 03:00 PM	61.2	79.5	59.6
03:00 PM - 04:00 PM	60.8	75.3	59.2
04:00 PM - 05:00 PM	60.0	80.2	58.1
05:00 PM - 06:00 PM	61.0	83.3	58.2
06:00 PM - 07:00 PM	62.0	87.2	58.9
07:00 PM - 08:00 PM	59.9	78.4	57.7
08:00 PM - 09:00 PM	59.8	76.2	57.9
09:00 PM - 10:00 PM	60.3	82.2	58.2
10:00 PM - 11:00 PM	59.4	79.8	58.1
11:00 PM - 12:00 AM	59.6	70.1	57.5
12:00 AM - 01:00 AM	59.4	83.5	58.0
01:00 AM - 02:00 AM	59.9	82.1	57.8
02:00 AM - 03:00 AM	58.5	72.5	56.6
03:00 AM - 04:00 AM	58.4	76.8	57.0
04:00 AM - 05:00 AM	59.4	69.7	57.7
05:00 AM - 06:00 AM	61.2	74.0	59.1
06:00 AM - 07:00 AM	60.6	76.9	58.7
07:00 AM - 08:00 AM	60.4	78.0	58.5
08:00 AM - 09:00 AM	60.7	79.0	59.4
09:00 AM - 10:00 AM	60.2	80.4	58.8
10:00 AM - 11:00 AM	60.4	76.9	58.9

Leq Average 24 hrs. (dB(A)) 60.3  
Lmax (dB(A)) 87.2  
L90 (dB(A)) 58.2  
Ldn (dB(A)) 66.2  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak

Chonticha Subongkoch  
Scientist (3)

Approved by

Supot S

Supot Salamteh  
Section Head

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## Analysis / Test Report



TESTING  
No 0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Lot ID: 2533502

Date Received : May 30, 2025

Date Reported : Jun 06, 2025

Report Number: 3325748-1

Page 1 of 1

Sample Number 2533502-2  
Parameter Noise (Leq 24 hrs.)  
Location อาคารสำนักงานของกลุ่มโรงงาน TPE Site#1  
Measurement Date May 23 - May 24, 2025  
Measurement by Siriwit Ruangsom  
Sound Level meter Serial No. 1122579

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	60.6	76.9	58.5
12:00 PM - 01:00 PM	59.9	72.7	58.5
01:00 PM - 02:00 PM	60.4	79.1	58.6
02:00 PM - 03:00 PM	60.9	78.0	58.9
03:00 PM - 04:00 PM	60.1	77.7	58.4
04:00 PM - 05:00 PM	61.3	79.2	59.3
05:00 PM - 06:00 PM	61.6	78.3	59.5
06:00 PM - 07:00 PM	62.7	77.0	59.6
07:00 PM - 08:00 PM	60.3	76.6	58.4
08:00 PM - 09:00 PM	61.1	80.3	59.5
09:00 PM - 10:00 PM	60.4	77.3	58.9
10:00 PM - 11:00 PM	60.7	80.2	58.7
11:00 PM - 12:00 AM	60.1	82.9	58.5
12:00 AM - 01:00 AM	59.3	80.3	57.6
01:00 AM - 02:00 AM	59.3	74.4	57.8
02:00 AM - 03:00 AM	59.4	81.7	57.7
03:00 AM - 04:00 AM	60.4	78.5	58.5
04:00 AM - 05:00 AM	59.9	69.3	58.9
05:00 AM - 06:00 AM	60.6	75.0	59.0
06:00 AM - 07:00 AM	62.2	76.6	60.2
07:00 AM - 08:00 AM	63.8	85.3	62.2
08:00 AM - 09:00 AM	62.0	76.1	60.6
09:00 AM - 10:00 AM	62.0	83.6	60.5
10:00 AM - 11:00 AM	60.5	79.7	58.8

Leq Average 24 hrs. (dB(A)) 61.0  
Lmax (dB(A)) 85.3  
L90 (dB(A)) 58.8  
Ldn (dB(A)) 66.9  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak

Chonticha Subongkoch  
Scientist (3)

Approved by

Supot S

Supot Salamteh  
Section Head

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## Analysis / Test Report



TESTING  
No 0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Lot ID: 2533502

Date Received : May 30, 2025

Date Reported : Jun 06, 2025

Report Number: 3325749-1

Page 1 of 1

Sample Number 2533502-3  
Parameter Noise (Leq 24 hrs.)  
Location อาคารสำนักงานของกลุ่มโรงงาน TPE Site#1  
Measurement Date May 24 - May 25, 2025  
Measurement by Siriwit Ruangsom  
Sound Level meter Serial No. 1122579

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	60.5	80.1	58.8
12:00 PM - 01:00 PM	60.1	74.5	58.4
01:00 PM - 02:00 PM	59.8	73.2	58.0
02:00 PM - 03:00 PM	60.2	75.3	58.3
03:00 PM - 04:00 PM	60.3	74.9	58.5
04:00 PM - 05:00 PM	60.9	85.7	58.8
05:00 PM - 06:00 PM	61.2	84.7	59.5
06:00 PM - 07:00 PM	61.1	78.9	58.6
07:00 PM - 08:00 PM	60.2	77.0	58.9
08:00 PM - 09:00 PM	60.4	75.9	59.0
09:00 PM - 10:00 PM	60.5	76.6	58.8
10:00 PM - 11:00 PM	60.1	68.7	58.7
11:00 PM - 12:00 AM	59.1	65.0	57.4
12:00 AM - 01:00 AM	59.4	66.5	58.3
01:00 AM - 02:00 AM	58.7	64.1	57.7
02:00 AM - 03:00 AM	59.6	67.0	58.6
03:00 AM - 04:00 AM	59.5	68.3	58.4
04:00 AM - 05:00 AM	60.6	77.6	59.1
05:00 AM - 06:00 AM	61.6	69.3	59.4
06:00 AM - 07:00 AM	61.2	73.1	59.6
07:00 AM - 08:00 AM	66.8	82.5	62.4
08:00 AM - 09:00 AM	65.0	99.4	61.2
09:00 AM - 10:00 AM	63.1	86.8	61.6
10:00 AM - 11:00 AM	62.9	81.4	61.1

Leq Average 24 hrs. (dB(A)) 61.4  
Lmax (dB(A)) 99.4  
L90 (dB(A)) 58.8  
Ldn (dB(A)) 66.8  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak

Chonticha Subongkoch  
Scientist (3)

Approved by

Supot S

Supot Salamteh  
Section Head

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## Analysis / Test Report



TESTING  
No 0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Lot ID: 2533502

Date Received : May 30, 2025

Date Reported : Jun 06, 2025

Report Number: 3325750-1

Page 1 of 1

Sample Number 2533502-4  
Parameter Noise (Leq 24 hrs.)  
Location อาคารสำนักงานของกลุ่มโรงงาน TPE Site#1  
Measurement Date May 25 - May 26, 2025  
Measurement by Siriwit Ruangsom  
Sound Level meter Serial No. 1122579

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	62.1	81.3	60.0
12:00 PM - 01:00 PM	60.6	78.9	58.1
01:00 PM - 02:00 PM	60.2	85.0	58.3
02:00 PM - 03:00 PM	61.0	85.5	58.5
03:00 PM - 04:00 PM	60.5	81.3	58.4
04:00 PM - 05:00 PM	60.4	79.6	58.6
05:00 PM - 06:00 PM	60.9	80.4	59.5
06:00 PM - 07:00 PM	62.0	79.5	59.1
07:00 PM - 08:00 PM	60.3	88.6	58.6
08:00 PM - 09:00 PM	60.4	71.0	59.0
09:00 PM - 10:00 PM	62.4	91.5	60.6
10:00 PM - 11:00 PM	61.9	79.8	60.5
11:00 PM - 12:00 AM	61.0	71.8	59.7
12:00 AM - 01:00 AM	60.5	71.7	59.4
01:00 AM - 02:00 AM	60.5	70.4	59.3
02:00 AM - 03:00 AM	60.1	71.8	59.0
03:00 AM - 04:00 AM	60.7	71.7	58.7
04:00 AM - 05:00 AM	60.7	71.7	58.6
05:00 AM - 06:00 AM	60.6	71.1	58.7
06:00 AM - 07:00 AM	61.9	76.0	60.2
07:00 AM - 08:00 AM	62.1	72.9	59.7
08:00 AM - 09:00 AM	61.0	78.2	59.2
09:00 AM - 10:00 AM	60.5	79.0	58.6
10:00 AM - 11:00 AM	61.0	81.4	59.0

Leq Average 24 hrs. (dB(A)) 61.0  
Lmax (dB(A)) 91.5  
L90 (dB(A)) 59.0  
Ldn (dB(A)) 67.4  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak

Chonticha Subongkoch  
Scientist (3)

Approved by

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Supot Salamteh  
Section Head

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## Analysis / Test Report



TESTING  
Nn 0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Lot ID: 2533502

Date Received : May 30, 2025

Date Reported : Jun 06, 2025

Report Number: 3325751-1

Page 1 of 1

Sample Number 2533502-5  
Parameter Noise (Leq 24 hrs.)  
Location อาคารสำนักงานของกลุ่มโรงงาน TPE Site#1  
Measurement Date May 26 - May 27, 2025  
Measurement by Siriwit Ruangsom  
Sound Level meter Serial No. 1122579

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	60.1	73.0	58.5
12:00 PM - 01:00 PM	60.1	76.8	58.3
01:00 PM - 02:00 PM	61.3	79.3	59.4
02:00 PM - 03:00 PM	61.6	79.8	59.4
03:00 PM - 04:00 PM	60.3	81.1	58.3
04:00 PM - 05:00 PM	61.0	79.3	58.9
05:00 PM - 06:00 PM	61.7	85.3	59.2
06:00 PM - 07:00 PM	62.6	80.2	59.7
07:00 PM - 08:00 PM	60.6	71.1	59.2
08:00 PM - 09:00 PM	61.5	80.6	59.6
09:00 PM - 10:00 PM	61.1	77.4	59.7
10:00 PM - 11:00 PM	61.1	79.0	59.4
11:00 PM - 12:00 AM	60.0	70.2	58.7
12:00 AM - 01:00 AM	59.4	75.3	58.2
01:00 AM - 02:00 AM	60.0	79.6	58.6
02:00 AM - 03:00 AM	59.9	71.0	58.9
03:00 AM - 04:00 AM	62.9	79.0	59.2
04:00 AM - 05:00 AM	61.5	77.6	60.2
05:00 AM - 06:00 AM	62.1	75.8	60.6
06:00 AM - 07:00 AM	64.9	81.7	61.5
07:00 AM - 08:00 AM	63.0	75.6	61.6
08:00 AM - 09:00 AM	62.3	76.3	60.7
09:00 AM - 10:00 AM	62.1	71.3	60.9
10:00 AM - 11:00 AM	62.3	85.6	61.0

Leq Average 24 hrs. (dB(A))

61.6

Lmax (dB(A))

85.6

L90 (dB(A))

59.4

Ldn (dB(A))

68.1

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

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

Technical Management

Chontichak

Chonticha Subongkoch  
Scientist (3)

Approved by

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Supot Salamteh  
Section Head

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## Analysis / Test Report



TESTING  
Nn 0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Lot ID: 2533502

Date Received : May 30, 2025

Date Reported : Jun 06, 2025

Report Number: 3325752-1

Page 1 of 1

Sample Number 2533502-6  
Parameter Noise (Leq 24 hrs.)  
Location อาคารสำนักงานของกลุ่มโรงงาน TPE Site#1  
Measurement Date May 27 - May 28, 2025  
Measurement by Siriwit Ruangsom  
Sound Level meter Serial No. 1122579

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	61.0	84.0	58.7
12:00 PM - 01:00 PM	67.8	95.4	61.5
01:00 PM - 02:00 PM	62.1	80.4	60.6
02:00 PM - 03:00 PM	61.7	71.7	60.5
03:00 PM - 04:00 PM	61.7	87.4	59.8
04:00 PM - 05:00 PM	62.2	80.7	60.2
05:00 PM - 06:00 PM	61.9	79.8	60.5
06:00 PM - 07:00 PM	62.7	76.7	60.4
07:00 PM - 08:00 PM	61.7	80.0	60.2
08:00 PM - 09:00 PM	61.5	77.3	60.2
09:00 PM - 10:00 PM	60.9	69.9	59.5
10:00 PM - 11:00 PM	60.9	77.0	58.9
11:00 PM - 12:00 AM	59.1	69.7	57.8
12:00 AM - 01:00 AM	59.7	72.0	58.1
01:00 AM - 02:00 AM	60.5	79.8	59.1
02:00 AM - 03:00 AM	61.2	73.5	59.3
03:00 AM - 04:00 AM	60.5	73.3	59.6
04:00 AM - 05:00 AM	60.8	71.3	59.9
05:00 AM - 06:00 AM	61.8	79.9	59.9
06:00 AM - 07:00 AM	61.6	78.6	59.9
07:00 AM - 08:00 AM	60.8	74.8	59.0
08:00 AM - 09:00 AM	59.6	76.3	57.8
09:00 AM - 10:00 AM	60.1	73.2	58.0
10:00 AM - 11:00 AM	59.5	88.1	57.5

Leq Average 24 hrs. (dB(A))

61.7

Lmax (dB(A))

95.4

L90 (dB(A))

59.6

Ldn (dB(A))

67.4

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

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

Technical Management

Chontichak

Chonticha Subongkoch  
Scientist (3)

Approved by

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Supot Salamteh  
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## Analysis / Test Report



TESTING  
No 0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Lot ID: 2533502

Date Received : May 30, 2025

Date Reported : Jun 06, 2025

Report Number: 3325753-1

Page 1 of 1

Sample Number 2533502-7  
Parameter Noise (Leq 24 hrs.)  
Location อาคารสำนักงานของกลุ่มโรงงาน TPE Site#1  
Measurement Date May 28 - May 29, 2025  
Measurement by Siriwit Ruangsom  
Sound Level meter Serial No. 1122579

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	64.3	85.2	57.6
12:00 PM - 01:00 PM	59.8	78.1	57.6
01:00 PM - 02:00 PM	59.7	72.7	57.9
02:00 PM - 03:00 PM	60.0	78.3	58.2
03:00 PM - 04:00 PM	60.4	78.7	58.5
04:00 PM - 05:00 PM	60.7	79.0	58.8
05:00 PM - 06:00 PM	60.6	78.1	58.6
06:00 PM - 07:00 PM	61.9	85.9	58.8
07:00 PM - 08:00 PM	59.5	72.3	57.9
08:00 PM - 09:00 PM	59.9	79.1	58.4
09:00 PM - 10:00 PM	60.0	70.4	57.8
10:00 PM - 11:00 PM	60.4	91.1	58.3
11:00 PM - 12:00 AM	59.2	70.8	57.7
12:00 AM - 01:00 AM	67.7	97.0	58.5
01:00 AM - 02:00 AM	61.8	72.7	59.9
02:00 AM - 03:00 AM	60.9	75.4	59.1
03:00 AM - 04:00 AM	60.0	74.5	58.5
04:00 AM - 05:00 AM	60.2	65.9	59.2
05:00 AM - 06:00 AM	61.7	70.3	58.9
06:00 AM - 07:00 AM	61.6	80.0	59.7
07:00 AM - 08:00 AM	61.5	75.2	59.4
08:00 AM - 09:00 AM	60.9	74.8	59.2
09:00 AM - 10:00 AM	60.0	72.3	58.4
10:00 AM - 11:00 AM	60.8	80.1	59.4
Leq Average 24 hrs. (dB(A))	61.5		
Lmax (dB(A))		97.0	
L90 (dB(A))			58.5
Ldn (dB(A))	68.6		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak

Chonticha Subongkoch  
Scientist (3)

Approved by

Supt S

Supot Salamteh  
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## Analysis / Test Report



TESTING  
No 0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2537258

Date Received : May 30, 2025

Date Reported : Jun 06, 2025

Report Number: 3325875-1

Page 1 of 1

Sample Number 2537258-1  
Parameter Noise (Leq 24 hrs.)  
Location กึ่งกลางรั้วด้านทิศใต้ของโรงงาน LDPE ติดกับถนนของนิคม  
Measurement Date May 22 - May 23, 2025  
Measurement by Siriwit Ruangsom  
Sound Level meter Serial No. 920831

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	65.8	80.0	64.6
12:00 PM - 01:00 PM	65.4	69.3	64.2
01:00 PM - 02:00 PM	66.1	71.7	65.3
02:00 PM - 03:00 PM	65.6	72.5	64.2
03:00 PM - 04:00 PM	66.2	70.4	65.6
04:00 PM - 05:00 PM	65.7	73.0	64.6
05:00 PM - 06:00 PM	66.1	71.9	65.6
06:00 PM - 07:00 PM	65.7	73.8	64.2
07:00 PM - 08:00 PM	66.0	70.3	65.6
08:00 PM - 09:00 PM	65.1	72.8	63.8
09:00 PM - 10:00 PM	66.1	69.7	65.7
10:00 PM - 11:00 PM	65.6	69.6	64.1
11:00 PM - 12:00 AM	66.4	70.5	65.8
12:00 AM - 01:00 AM	66.1	70.4	64.9
01:00 AM - 02:00 AM	65.7	69.8	64.5
02:00 AM - 03:00 AM	65.5	72.0	64.1
03:00 AM - 04:00 AM	65.3	69.4	63.6
04:00 AM - 05:00 AM	65.8	70.0	64.5
05:00 AM - 06:00 AM	65.8	78.9	63.8
06:00 AM - 07:00 AM	66.0	71.3	64.8
07:00 AM - 08:00 AM	65.9	79.1	64.5
08:00 AM - 09:00 AM	66.3	70.7	65.7
09:00 AM - 10:00 AM	65.6	72.4	64.3
10:00 AM - 11:00 AM	67.8	71.2	67.4
Leq Average 24 hrs. (dB(A))	65.9		
Lmax (dB(A))		80.0	
L90 (dB(A))			64.5
Ldn (dB(A))	72.2		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak

Chonticha Subongkoch  
Scientist (3)

Approved by

Supt S

Supot Salamteh  
Section Head

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## Analysis / Test Report



TESTING  
No 0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2537258

Date Received : May 30, 2025

Date Reported : Jun 06, 2025

Report Number: 3325876-1

Page 1 of 1

Sample Number 2537258-2  
Parameter Noise (Leq 24 hrs.)  
Location กึ่งกลางรั้วด้านทิศใต้ของโรงงาน LDPE ติดกับถนนของนิคม  
Measurement Date May 23 - May 24, 2025  
Measurement by Siriwit Ruangsom  
Sound Level meter Serial No. 920831

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	66.0	74.2	64.1
12:00 PM - 01:00 PM	67.6	72.7	67.1
01:00 PM - 02:00 PM	66.9	86.6	64.0
02:00 PM - 03:00 PM	68.7	89.3	67.6
03:00 PM - 04:00 PM	67.1	77.9	64.3
04:00 PM - 05:00 PM	67.4	70.7	64.9
05:00 PM - 06:00 PM	66.7	70.6	64.2
06:00 PM - 07:00 PM	67.9	77.7	64.4
07:00 PM - 08:00 PM	66.8	70.4	63.9
08:00 PM - 09:00 PM	67.4	70.5	64.7
09:00 PM - 10:00 PM	65.6	69.7	64.2
10:00 PM - 11:00 PM	66.1	69.7	65.7
11:00 PM - 12:00 AM	65.9	69.6	65.1
12:00 AM - 01:00 AM	65.0	71.7	63.8
01:00 AM - 02:00 AM	65.9	70.7	65.1
02:00 AM - 03:00 AM	65.1	76.6	63.9
03:00 AM - 04:00 AM	66.3	80.0	65.8
04:00 AM - 05:00 AM	65.4	73.5	63.9
05:00 AM - 06:00 AM	66.9	80.2	66.2
06:00 AM - 07:00 AM	68.2	81.1	67.1
07:00 AM - 08:00 AM	68.5	83.7	67.4
08:00 AM - 09:00 AM	66.6	80.0	65.4
09:00 AM - 10:00 AM	67.1	75.8	66.5
10:00 AM - 11:00 AM	66.2	70.8	64.8
Leq Average 24 hrs. (dB(A))	66.8		
Lmax (dB(A))		89.3	
L90 (dB(A))			64.8
Ldn (dB(A))	72.8		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak  
Chonticha Subongkoch  
Scientist (3)

Approved by

Supot S  
Supot Salamteh  
Section Head

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## Analysis / Test Report



TESTING  
No 0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2537258

Date Received : May 30, 2025

Date Reported : Jun 06, 2025

Report Number: 3325877-1

Page 1 of 1

Sample Number 2537258-3  
Parameter Noise (Leq 24 hrs.)  
Location กึ่งกลางรั้วด้านทิศใต้ของโรงงาน LDPE ติดกับถนนของนิคม  
Measurement Date May 24 - May 25, 2025  
Measurement by Siriwit Ruangsom  
Sound Level meter Serial No. 920831

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	66.8	69.7	66.3
12:00 PM - 01:00 PM	66.1	69.8	64.7
01:00 PM - 02:00 PM	66.7	73.8	66.2
02:00 PM - 03:00 PM	66.4	71.4	65.4
03:00 PM - 04:00 PM	65.6	71.0	64.3
04:00 PM - 05:00 PM	66.4	71.9	64.5
05:00 PM - 06:00 PM	65.7	68.6	64.3
06:00 PM - 07:00 PM	66.6	79.8	65.6
07:00 PM - 08:00 PM	66.3	71.5	65.0
08:00 PM - 09:00 PM	68.6	72.8	68.1
09:00 PM - 10:00 PM	67.8	78.0	64.9
10:00 PM - 11:00 PM	68.2	70.4	67.8
11:00 PM - 12:00 AM	65.9	69.7	64.1
12:00 AM - 01:00 AM	68.2	70.5	67.7
01:00 AM - 02:00 AM	66.4	70.1	64.3
02:00 AM - 03:00 AM	68.1	70.3	67.7
03:00 AM - 04:00 AM	66.8	70.4	64.2
04:00 AM - 05:00 AM	68.5	70.7	67.9
05:00 AM - 06:00 AM	67.2	71.6	64.4
06:00 AM - 07:00 AM	68.0	80.2	64.7
07:00 AM - 08:00 AM	68.0	80.6	66.0
08:00 AM - 09:00 AM	67.5	84.4	66.3
09:00 AM - 10:00 AM	67.9	78.7	67.0
10:00 AM - 11:00 AM	67.4	80.0	65.4
Leq Average 24 hrs. (dB(A))	67.2		
Lmax (dB(A))		84.4	
L90 (dB(A))			65.4
Ldn (dB(A))	73.9		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak  
Chonticha Subongkoch  
Scientist (3)

Approved by

Supot S  
Supot Salamteh  
Section Head

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## Analysis / Test Report



TESTING  
No 0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2537258

Date Received : May 30, 2025

Date Reported : Jun 06, 2025

Report Number: 3325878-1

Page 1 of 1

Sample Number 2537258-4  
Parameter Noise (Leq 24 hrs.)  
Location กึ่งกลางรั้วด้านทิศใต้ของโรงงาน LDPE ติดกับถนนของนิคม  
Measurement Date May 25 - May 26, 2025  
Measurement by Siriwit Ruangsom  
Sound Level meter Serial No. 920831

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	66.7	71.6	66.2
12:00 PM - 01:00 PM	66.2	70.2	65.0
01:00 PM - 02:00 PM	66.7	70.3	66.1
02:00 PM - 03:00 PM	65.6	75.8	64.4
03:00 PM - 04:00 PM	66.5	70.2	66.0
04:00 PM - 05:00 PM	66.0	70.8	64.8
05:00 PM - 06:00 PM	66.6	70.6	66.1
06:00 PM - 07:00 PM	66.2	79.4	65.2
07:00 PM - 08:00 PM	66.8	71.7	66.3
08:00 PM - 09:00 PM	66.6	81.0	64.8
09:00 PM - 10:00 PM	66.7	79.2	65.5
10:00 PM - 11:00 PM	67.8	80.1	65.1
11:00 PM - 12:00 AM	66.6	76.7	65.0
12:00 AM - 01:00 AM	66.4	71.1	65.1
01:00 AM - 02:00 AM	66.4	71.2	64.6
02:00 AM - 03:00 AM	66.5	71.0	64.9
03:00 AM - 04:00 AM	66.6	71.3	65.0
04:00 AM - 05:00 AM	66.5	70.5	66.0
05:00 AM - 06:00 AM	66.2	79.1	65.0
06:00 AM - 07:00 AM	68.5	71.2	68.1
07:00 AM - 08:00 AM	66.9	72.9	64.8
08:00 AM - 09:00 AM	68.3	71.2	67.8
09:00 AM - 10:00 AM	68.8	71.0	68.2
10:00 AM - 11:00 AM	68.5	81.9	67.9

Leq Average 24 hrs. (dB(A))

66.9

Lmax (dB(A))

81.9

L90 (dB(A))

65.1

Ldn (dB(A))

73.3

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

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

Technical Management

Chontichak

Chonticha Subongkoch  
Scientist (3)

Approved by

Supot S

Supot Salamteh  
Section Head

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## Analysis / Test Report



TESTING  
No 0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2537258

Date Received : May 30, 2025

Date Reported : Jun 06, 2025

Report Number: 3325879-1

Page 1 of 1

Sample Number 2537258-5  
Parameter Noise (Leq 24 hrs.)  
Location กึ่งกลางรั้วด้านทิศใต้ของโรงงาน LDPE ติดกับถนนของนิคม  
Measurement Date May 26 - May 27, 2025  
Measurement by Siriwit Ruangsom  
Sound Level meter Serial No. 920831

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	67.4	71.2	64.6
12:00 PM - 01:00 PM	67.9	71.0	65.2
01:00 PM - 02:00 PM	67.4	94.7	64.5
02:00 PM - 03:00 PM	68.4	89.6	66.3
03:00 PM - 04:00 PM	67.1	78.6	64.5
04:00 PM - 05:00 PM	67.9	77.9	65.6
05:00 PM - 06:00 PM	65.9	69.9	64.5
06:00 PM - 07:00 PM	67.6	81.8	66.6
07:00 PM - 08:00 PM	67.1	79.8	65.9
08:00 PM - 09:00 PM	66.0	70.6	64.5
09:00 PM - 10:00 PM	66.7	72.1	65.9
10:00 PM - 11:00 PM	65.9	70.5	64.6
11:00 PM - 12:00 AM	66.8	70.7	66.2
12:00 AM - 01:00 AM	65.8	70.5	64.2
01:00 AM - 02:00 AM	66.6	70.4	66.0
02:00 AM - 03:00 AM	66.2	73.8	64.5
03:00 AM - 04:00 AM	66.6	71.5	66.0
04:00 AM - 05:00 AM	69.8	82.0	66.0
05:00 AM - 06:00 AM	67.1	74.9	66.5
06:00 AM - 07:00 AM	69.8	83.0	65.1
07:00 AM - 08:00 AM	67.9	80.9	67.1
08:00 AM - 09:00 AM	66.7	75.7	65.6
09:00 AM - 10:00 AM	67.3	76.8	66.8
10:00 AM - 11:00 AM	66.6	76.3	65.0

Leq Average 24 hrs. (dB(A))

67.3

Lmax (dB(A))

94.7

L90 (dB(A))

65.6

Ldn (dB(A))

73.8

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

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

Technical Management

Chontichak

Chonticha Subongkoch  
Scientist (3)

Approved by

Supot S

Supot Salamteh  
Section Head

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## Analysis / Test Report



TESTING  
No 0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2537258

Date Received : May 30, 2025

Date Reported : Jun 06, 2025

Report Number: 3325880-1

Page 1 of 1

Sample Number 2537258-6  
Parameter Noise (Leq 24 hrs.)  
Location กึ่งกลางรั้วด้านทิศใต้ของโรงงาน LDPE ติดกับถนนของนิคม  
Measurement Date May 27 - May 28, 2025  
Measurement by Siriwit Ruangsom  
Sound Level meter Serial No. 920831

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	65.9	72.2	64.1
12:00 PM - 01:00 PM	67.4	79.7	66.8
01:00 PM - 02:00 PM	67.4	81.1	65.7
02:00 PM - 03:00 PM	67.1	79.4	66.5
03:00 PM - 04:00 PM	66.7	75.1	65.6
04:00 PM - 05:00 PM	68.8	73.1	68.3
05:00 PM - 06:00 PM	67.8	74.2	65.1
06:00 PM - 07:00 PM	68.5	77.2	68.0
07:00 PM - 08:00 PM	66.4	71.2	64.4
08:00 PM - 09:00 PM	68.5	71.5	68.1
09:00 PM - 10:00 PM	66.9	71.3	64.7
10:00 PM - 11:00 PM	68.4	71.6	67.9
11:00 PM - 12:00 AM	67.2	71.1	64.4
12:00 AM - 01:00 AM	68.6	71.4	68.1
01:00 AM - 02:00 AM	67.6	71.9	65.2
02:00 AM - 03:00 AM	67.4	72.3	64.8
03:00 AM - 04:00 AM	66.6	70.7	65.1
04:00 AM - 05:00 AM	66.2	70.5	64.9
05:00 AM - 06:00 AM	66.7	70.7	65.5
06:00 AM - 07:00 AM	66.2	70.9	64.6
07:00 AM - 08:00 AM	66.6	70.7	66.0
08:00 AM - 09:00 AM	65.8	70.4	64.2
09:00 AM - 10:00 AM	66.2	70.3	65.7
10:00 AM - 11:00 AM	65.2	72.4	64.0

Leq Average 24 hrs. (dB(A))

67.2

Lmax (dB(A))

81.1

L90 (dB(A))

65.2

Ldn (dB(A))

73.7

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

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

Technical Management

Chontichak

Chonticha Subongkoch  
Scientist (3)

Approved by

Supot S

Supot Salamteh  
Section Head

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## Analysis / Test Report



TESTING  
No 0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2537258

Date Received : May 30, 2025

Date Reported : Jun 06, 2025

Report Number: 3325881-1

Page 1 of 1

Sample Number 2537258-7  
Parameter Noise (Leq 24 hrs.)  
Location กึ่งกลางรั้วด้านทิศใต้ของโรงงาน LDPE ติดกับถนนของนิคม  
Measurement Date May 28 - May 29, 2025  
Measurement by Siriwit Ruangsom  
Sound Level meter Serial No. 920831

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	66.2	74.4	65.6
12:00 PM - 01:00 PM	65.2	69.7	64.0
01:00 PM - 02:00 PM	66.5	86.0	65.7
02:00 PM - 03:00 PM	66.1	78.3	64.6
03:00 PM - 04:00 PM	66.8	82.9	65.9
04:00 PM - 05:00 PM	65.7	75.0	64.1
05:00 PM - 06:00 PM	66.0	83.6	63.9
06:00 PM - 07:00 PM	66.2	73.0	64.2
07:00 PM - 08:00 PM	65.6	69.6	64.1
08:00 PM - 09:00 PM	66.0	70.0	64.6
09:00 PM - 10:00 PM	65.7	69.8	64.1
10:00 PM - 11:00 PM	66.1	72.9	65.5
11:00 PM - 12:00 AM	65.6	72.6	64.0
12:00 AM - 01:00 AM	68.3	71.3	67.8
01:00 AM - 02:00 AM	68.6	93.1	66.4
02:00 AM - 03:00 AM	68.7	80.0	68.2
03:00 AM - 04:00 AM	67.0	79.6	65.0
04:00 AM - 05:00 AM	68.6	71.6	68.1
05:00 AM - 06:00 AM	67.3	71.3	65.1
06:00 AM - 07:00 AM	68.8	72.3	68.3
07:00 AM - 08:00 AM	67.3	71.4	64.8
08:00 AM - 09:00 AM	67.7	73.7	65.1
09:00 AM - 10:00 AM	66.5	70.6	66.0
10:00 AM - 11:00 AM	65.5	72.7	64.3

Leq Average 24 hrs. (dB(A))

66.9

Lmax (dB(A))

93.1

L90 (dB(A))

65.0

Ldn (dB(A))

74.0

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

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

Technical Management

Chontichak

Chonticha Subongkoch  
Scientist (3)

Approved by

Supot S

Supot Salamteh  
Section Head

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S:\Reports\\_Air Noise.rpt (11:42AM)



## Analysis / Test Report



TESTING  
No 0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2537258

Date Received : May 30, 2025

Date Reported : Jun 06, 2025

Report Number: 3325882-1

Page 1 of 1

Sample Number 2537258-8  
Parameter Noise (Leq 24 hrs.)  
Location กึ่งกลางรั้วด้านทิศตะวันออกของโรงงาน LDPE ติดกับโรงงาน BIG  
Measurement Date May 22 - May 23, 2025  
Measurement by Siriwit Ruangsom  
Sound Level meter Serial No. 1120937

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	65.3	94.6	64.2
12:00 PM - 01:00 PM	65.5	83.6	64.7
01:00 PM - 02:00 PM	65.2	80.3	64.5
02:00 PM - 03:00 PM	65.0	79.5	64.5
03:00 PM - 04:00 PM	64.9	68.5	64.3
04:00 PM - 05:00 PM	64.8	72.5	64.3
05:00 PM - 06:00 PM	65.0	68.9	64.5
06:00 PM - 07:00 PM	65.1	71.9	64.6
07:00 PM - 08:00 PM	64.9	68.9	64.4
08:00 PM - 09:00 PM	64.9	68.3	64.5
09:00 PM - 10:00 PM	64.9	67.4	64.5
10:00 PM - 11:00 PM	65.0	67.8	64.5
11:00 PM - 12:00 AM	65.0	68.1	64.5
12:00 AM - 01:00 AM	65.0	68.2	64.5
01:00 AM - 02:00 AM	65.0	68.5	64.5
02:00 AM - 03:00 AM	65.0	68.1	64.5
03:00 AM - 04:00 AM	64.9	68.5	64.4
04:00 AM - 05:00 AM	65.0	67.6	64.5
05:00 AM - 06:00 AM	65.1	78.5	64.5
06:00 AM - 07:00 AM	65.2	76.7	64.7
07:00 AM - 08:00 AM	65.2	81.6	64.6
08:00 AM - 09:00 AM	65.2	78.1	64.6
09:00 AM - 10:00 AM	65.5	93.1	64.4
10:00 AM - 11:00 AM	65.4	81.4	64.3

Leq Average 24 hrs. (dB(A))

65.1

Lmax (dB(A))

94.6

L90 (dB(A))

64.5

Ldn (dB(A))

71.4

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak

Chonticha Subongkoch  
Scientist (3)

Approved by

Supt S

Supot Salamteh  
Section Head

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S:\Reports\\_Air Noise.rpt (11:43AM)



## Analysis / Test Report



TESTING  
No 0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2537258

Date Received : May 30, 2025

Date Reported : Jun 06, 2025

Report Number: 3325883-1

Page 1 of 1

Sample Number 2537258-9  
Parameter Noise (Leq 24 hrs.)  
Location กึ่งกลางรั้วด้านทิศตะวันออกของโรงงาน LDPE ติดกับโรงงาน BIG  
Measurement Date May 23 - May 24, 2025  
Measurement by Siriwit Ruangsom  
Sound Level meter Serial No. 1120937

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	65.3	93.6	64.3
12:00 PM - 01:00 PM	65.1	80.1	64.3
01:00 PM - 02:00 PM	65.3	83.1	64.4
02:00 PM - 03:00 PM	65.2	79.9	64.6
03:00 PM - 04:00 PM	65.4	87.8	64.5
04:00 PM - 05:00 PM	65.0	71.7	64.5
05:00 PM - 06:00 PM	65.2	82.7	64.5
06:00 PM - 07:00 PM	65.1	73.4	64.6
07:00 PM - 08:00 PM	65.0	70.4	64.5
08:00 PM - 09:00 PM	65.1	70.2	64.6
09:00 PM - 10:00 PM	64.9	72.0	64.4
10:00 PM - 11:00 PM	65.1	69.5	64.5
11:00 PM - 12:00 AM	65.1	67.7	64.6
12:00 AM - 01:00 AM	64.8	69.3	64.4
01:00 AM - 02:00 AM	65.0	71.2	64.5
02:00 AM - 03:00 AM	65.0	66.8	64.5
03:00 AM - 04:00 AM	65.0	67.7	64.5
04:00 AM - 05:00 AM	65.0	69.4	64.6
05:00 AM - 06:00 AM	65.6	72.3	65.0
06:00 AM - 07:00 AM	66.4	73.0	65.5
07:00 AM - 08:00 AM	66.5	78.4	66.0
08:00 AM - 09:00 AM	65.9	74.9	65.4
09:00 AM - 10:00 AM	65.6	76.6	65.1
10:00 AM - 11:00 AM	65.3	80.3	64.8

Leq Average 24 hrs. (dB(A))

65.3

Lmax (dB(A))

93.6

L90 (dB(A))

64.5

Ldn (dB(A))

71.7

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak

Chonticha Subongkoch  
Scientist (3)

Approved by

Supt S

Supot Salamteh  
Section Head

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## Analysis / Test Report



TESTING  
No 0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2537258

Date Received : May 30, 2025

Date Reported : Jun 06, 2025

Report Number: 3325884-1

Page 1 of 1

Sample Number 2537258-10  
Parameter Noise (Leq 24 hrs.)  
Location กึ่งกลางรั้วด้านทิศตะวันออกของโรงงาน LDPE ติดกับโรงงาน BIG  
Measurement Date May 24 - May 25, 2025  
Measurement by Siriwit Ruangsom  
Sound Level meter Serial No. 1120937

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	65.1	69.4	64.6
12:00 PM - 01:00 PM	65.0	71.4	64.5
01:00 PM - 02:00 PM	65.1	74.3	64.6
02:00 PM - 03:00 PM	65.2	73.4	64.7
03:00 PM - 04:00 PM	65.1	70.5	64.6
04:00 PM - 05:00 PM	65.2	74.8	64.7
05:00 PM - 06:00 PM	65.1	69.0	64.6
06:00 PM - 07:00 PM	65.4	71.9	64.8
07:00 PM - 08:00 PM	65.0	69.3	64.5
08:00 PM - 09:00 PM	65.1	71.1	64.7
09:00 PM - 10:00 PM	65.2	67.6	64.7
10:00 PM - 11:00 PM	65.2	69.2	64.7
11:00 PM - 12:00 AM	65.2	67.1	64.7
12:00 AM - 01:00 AM	65.2	66.7	64.7
01:00 AM - 02:00 AM	65.0	66.8	64.7
02:00 AM - 03:00 AM	65.0	66.7	64.6
03:00 AM - 04:00 AM	64.9	66.7	64.6
04:00 AM - 05:00 AM	65.2	67.1	64.7
05:00 AM - 06:00 AM	64.9	71.3	64.6
06:00 AM - 07:00 AM	66.6	76.0	64.7
07:00 AM - 08:00 AM	69.9	76.6	67.4
08:00 AM - 09:00 AM	67.5	78.1	67.1
09:00 AM - 10:00 AM	66.9	72.4	66.5
10:00 AM - 11:00 AM	66.4	73.0	66.0

Leq Average 24 hrs. (dB(A))

65.8

Lmax (dB(A))

78.1

L90 (dB(A))

64.7

Ldn (dB(A))

71.8

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak

Chonticha Subongkoch  
Scientist (3)

Approved by

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Supot Salamteh  
Section Head

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## Analysis / Test Report



TESTING  
No 0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2537258

Date Received : May 30, 2025

Date Reported : Jun 06, 2025

Report Number: 3325885-1

Page 1 of 1

Sample Number 2537258-11  
Parameter Noise (Leq 24 hrs.)  
Location กึ่งกลางรั้วด้านทิศตะวันออกของโรงงาน LDPE ติดกับโรงงาน BIG  
Measurement Date May 25 - May 26, 2025  
Measurement by Siriwit Ruangsom  
Sound Level meter Serial No. 1120937

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	66.0	78.3	65.6
12:00 PM - 01:00 PM	65.4	73.7	65.1
01:00 PM - 02:00 PM	65.4	74.6	65.1
02:00 PM - 03:00 PM	65.5	78.0	65.1
03:00 PM - 04:00 PM	65.3	78.8	64.9
04:00 PM - 05:00 PM	65.5	74.3	65.0
05:00 PM - 06:00 PM	65.4	72.9	65.0
06:00 PM - 07:00 PM	65.5	76.0	65.1
07:00 PM - 08:00 PM	65.3	69.5	64.9
08:00 PM - 09:00 PM	65.6	74.4	65.1
09:00 PM - 10:00 PM	65.9	69.0	65.5
10:00 PM - 11:00 PM	66.1	73.2	65.4
11:00 PM - 12:00 AM	65.8	68.9	65.5
12:00 AM - 01:00 AM	65.7	67.9	65.3
01:00 AM - 02:00 AM	65.4	68.8	65.1
02:00 AM - 03:00 AM	65.2	67.5	64.9
03:00 AM - 04:00 AM	65.7	69.7	65.0
04:00 AM - 05:00 AM	65.3	67.2	65.0
05:00 AM - 06:00 AM	65.3	69.7	64.9
06:00 AM - 07:00 AM	65.4	75.4	65.0
07:00 AM - 08:00 AM	65.2	71.2	64.8
08:00 AM - 09:00 AM	65.1	75.2	64.7
09:00 AM - 10:00 AM	65.6	67.5	65.3
10:00 AM - 11:00 AM	66.7	76.0	65.9

Leq Average 24 hrs. (dB(A))

65.6

Lmax (dB(A))

78.8

L90 (dB(A))

65.1

Ldn (dB(A))

72.0

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak

Chonticha Subongkoch  
Scientist (3)

Approved by

Supot S

Supot Salamteh  
Section Head

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## Analysis / Test Report



TESTING  
No 0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2537258

Date Received : May 30, 2025

Date Reported : Jun 06, 2025

Report Number: 3325886-1

Page 1 of 1

Sample Number 2537258-12  
Parameter Noise (Leq 24 hrs.)  
Location กึ่งกลางรั้วด้านทิศตะวันออกของโรงงาน LDPE ติดกับโรงงาน BIG  
Measurement Date May 26 - May 27, 2025  
Measurement by Siriwit Ruangsom  
Sound Level meter Serial No. 1120937

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	65.7	88.9	65.1
12:00 PM - 01:00 PM	65.4	71.5	64.9
01:00 PM - 02:00 PM	65.7	85.4	65.0
02:00 PM - 03:00 PM	66.3	92.6	65.3
03:00 PM - 04:00 PM	65.5	74.5	65.0
04:00 PM - 05:00 PM	65.6	78.6	65.1
05:00 PM - 06:00 PM	65.4	69.8	65.0
06:00 PM - 07:00 PM	65.9	71.4	65.3
07:00 PM - 08:00 PM	65.8	68.8	65.5
08:00 PM - 09:00 PM	65.7	70.0	65.4
09:00 PM - 10:00 PM	65.5	69.0	65.1
10:00 PM - 11:00 PM	65.5	73.6	65.1
11:00 PM - 12:00 AM	65.5	67.5	65.1
12:00 AM - 01:00 AM	65.7	70.0	65.3
01:00 AM - 02:00 AM	65.7	68.1	65.2
02:00 AM - 03:00 AM	65.3	74.9	64.8
03:00 AM - 04:00 AM	65.1	66.9	64.7
04:00 AM - 05:00 AM	67.9	76.5	65.9
05:00 AM - 06:00 AM	66.6	68.1	66.3
06:00 AM - 07:00 AM	67.9	78.7	66.2
07:00 AM - 08:00 AM	67.8	77.9	67.3
08:00 AM - 09:00 AM	67.0	73.9	66.6
09:00 AM - 10:00 AM	66.6	73.0	66.3
10:00 AM - 11:00 AM	66.3	68.8	66.0

Leq Average 24 hrs. (dB(A))

66.1

Lmax (dB(A))

92.6

L90 (dB(A))

65.2

Ldn (dB(A))

72.6

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

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

Technical Management

Chontichak

Chonticha Subongkoch  
Scientist (3)

Approved by

Supot S

Supot Salamteh  
Section Head

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S:\Reports\\_Air Noise.rpt (11:44AM)



## Analysis / Test Report



TESTING  
No 0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2537258

Date Received : May 30, 2025

Date Reported : Jun 06, 2025

Report Number: 3325887-1

Page 1 of 1

Sample Number 2537258-13  
Parameter Noise (Leq 24 hrs.)  
Location กึ่งกลางรั้วด้านทิศตะวันออกของโรงงาน LDPE ติดกับโรงงาน BIG  
Measurement Date May 27 - May 28, 2025  
Measurement by Siriwit Ruangsom  
Sound Level meter Serial No. 1120937

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	65.7	68.3	65.4
12:00 PM - 01:00 PM	66.1	72.5	65.8
01:00 PM - 02:00 PM	67.9	71.1	67.4
02:00 PM - 03:00 PM	67.2	74.9	66.8
03:00 PM - 04:00 PM	66.7	73.3	66.3
04:00 PM - 05:00 PM	66.2	72.8	65.8
05:00 PM - 06:00 PM	65.6	71.4	65.3
06:00 PM - 07:00 PM	65.8	69.8	65.3
07:00 PM - 08:00 PM	65.5	68.0	65.2
08:00 PM - 09:00 PM	65.5	73.9	65.2
09:00 PM - 10:00 PM	65.4	68.9	65.0
10:00 PM - 11:00 PM	65.3	68.3	64.9
11:00 PM - 12:00 AM	65.6	78.6	65.2
12:00 AM - 01:00 AM	65.6	70.2	65.3
01:00 AM - 02:00 AM	65.6	67.3	65.2
02:00 AM - 03:00 AM	65.7	68.4	65.2
03:00 AM - 04:00 AM	65.3	66.9	64.9
04:00 AM - 05:00 AM	65.3	68.0	65.0
05:00 AM - 06:00 AM	65.5	77.9	65.1
06:00 AM - 07:00 AM	65.5	78.1	65.1
07:00 AM - 08:00 AM	65.3	78.3	64.9
08:00 AM - 09:00 AM	65.1	74.6	64.8
09:00 AM - 10:00 AM	65.3	76.3	64.8
10:00 AM - 11:00 AM	65.3	83.9	64.8

Leq Average 24 hrs. (dB(A))

65.8

Lmax (dB(A))

83.9

L90 (dB(A))

65.2

Ldn (dB(A))

72.0

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

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

Technical Management

Chontichak

Chonticha Subongkoch  
Scientist (3)

Approved by

Supot S

Supot Salamteh  
Section Head

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S:\Reports\\_Air Noise.rpt (11:44AM)





## Analysis / Test Report



TESTING  
No 0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2537258

Date Received : May 30, 2025

Date Reported : Jun 06, 2025

Report Number: 3325888-1

Page 1 of 1

Sample Number : 2537258-14  
Parameter : Noise (Leq 24 hrs.)  
Location : กึ่งกลางรั้วด้านทิศตะวันออกของโรงงาน LDPE ติดกับโรงงาน BIG  
Measurement Date : May 28 - May 29, 2025  
Measurement by : Siriwit Ruangsom  
Sound Level meter : Serial No. 1120937

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	65.4	82.2	64.8
12:00 PM - 01:00 PM	65.3	73.4	64.9
01:00 PM - 02:00 PM	65.4	76.8	64.9
02:00 PM - 03:00 PM	66.0	87.1	64.9
03:00 PM - 04:00 PM	65.7	93.3	64.9
04:00 PM - 05:00 PM	65.4	76.5	65.0
05:00 PM - 06:00 PM	65.6	76.6	65.0
06:00 PM - 07:00 PM	65.9	70.4	65.4
07:00 PM - 08:00 PM	65.5	68.1	65.1
08:00 PM - 09:00 PM	65.5	84.5	65.1
09:00 PM - 10:00 PM	65.6	70.1	65.1
10:00 PM - 11:00 PM	65.5	68.3	65.1
11:00 PM - 12:00 AM	65.6	68.3	65.2
12:00 AM - 01:00 AM	66.6	73.5	66.1
01:00 AM - 02:00 AM	68.6	92.4	67.0
02:00 AM - 03:00 AM	67.0	73.9	66.5
03:00 AM - 04:00 AM	66.4	72.6	66.0
04:00 AM - 05:00 AM	66.2	67.8	65.8
05:00 AM - 06:00 AM	66.2	73.4	65.7
06:00 AM - 07:00 AM	65.9	79.1	65.4
07:00 AM - 08:00 AM	65.8	77.7	65.3
08:00 AM - 09:00 AM	65.7	80.1	65.2
09:00 AM - 10:00 AM	65.8	68.5	65.4
10:00 AM - 11:00 AM	65.5	78.5	65.1

Leq Average 24 hrs. (dB(A)) : 66.0  
Lmax (dB(A)) : 93.3  
L90 (dB(A)) : 65.1  
Ldn (dB(A)) : 72.8  
Standard (dB(A)) : 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak

Chonticha Subongkoch  
Scientist (3)

Approved by

Supot S

Supot Salameh  
Section Head

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# ภาคผนวก ค-5

คุณภาพอากาศในสถานประกอบการ



## Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 253267

Date Received : Feb 07, 2025

Date Reported : Feb 14, 2025

Report Number : 3210627-1

Page 1 of 3

Sample Number 253267-1  
Sampled Date Feb 06, 2025  
Sample Description Air Quality  
Location Compressor House  
Date Analysis Commenced Feb 10, 2025  
Condition of Sample Contained in two 10-L air sampling bags  
Barometric Pressure 761 mmHg  
Atmospheric Temperature 30.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Ethylene	09:10 AM - 11:10 AM	ppm	-	1.0	<1.0	200	Based on ASTM, D 2712-18	ACGIH	Bangkok
Propane	09:10 AM - 11:10 AM	ppm	-	1.0	<1.0	No Standard	Based on ASTM, D 2712-91	-	Bangkok
Total Hydrocarbon as Methane	09:10 AM - 11:10 AM	ppm	-	1.0	6.7	No Standard	Total Hydrocarbon Analyzer	-	Rayong

### 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).

Sampled By : Satcha Phetsawaeng

### Remark :

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

Approved by

Thanita K.

Thanita Kulsuriwong  
Scientist (4)

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.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 253267

Date Received : Feb 07, 2025

Date Reported : Feb 14, 2025

Report Number : 3210627-1

Page 2 of 3

Sample Number 253267-2  
Sampled Date Feb 06, 2025  
Sample Description Air Quality  
Location Degassing Hopper  
Date Analysis Commenced Feb 10, 2025  
Condition of Sample Contained in two 10-L air sampling bags  
Barometric Pressure 761 mmHg  
Atmospheric Temperature 30.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Ethylene	09:00 AM - 11:00 AM	ppm	-	1.0	<1.0	200	Based on ASTM, D 2712-18	ACGIH	Bangkok
Propane	09:00 AM - 11:00 AM	ppm	-	1.0	<1.0	No Standard	Based on ASTM, D 2712-91	-	Bangkok
Total Hydrocarbon as Methane	09:00 AM - 11:00 AM	ppm	-	1.0	7.0	No Standard	Total Hydrocarbon Analyzer	-	Rayong

### 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).

Sampled By : Satcha Phetsawaeng

### Remark :

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

Approved by

Thanita K.

Thanita Kulsuriwong  
Scientist (4)

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## Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 253267

Date Received : Feb 07, 2025

Date Reported : Feb 14, 2025

Report Number : 3210627-1

Page 3 of 3

Sample Number 253267-3  
Sampled Date Feb 06, 2025  
Sample Description Air Quality  
Location Recycle Gas Cooler  
Date Analysis Commenced Feb 10, 2025  
Condition of Sample Contained in two 10-L air sampling bags  
Barometric Pressure 761 mmHg  
Atmospheric Temperature 30.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Ethylene	09:05 AM - 11:05 AM	ppm	-	1.0	<1.0	200	Based on ASTM, D 2712-18	ACGIH	Bangkok
Propane	09:05 AM - 11:05 AM	ppm	-	1.0	<1.0	No Standard	Based on ASTM, D 2712-91	-	Bangkok
Total Hydrocarbon as Methane	09:05 AM - 11:05 AM	ppm	-	1.0	5.6	No Standard	Total Hydrocarbon Analyzer	-	Rayong

### 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).

Sampled By : Satcha Phetsawaeng

### Remark :

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

Approved by

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

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## Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2537277

Date Received : May 15, 2025

Date Reported : May 23, 2025

Report Number : 3287405-1

Page 1 of 3

Sample Number 2537277-1  
Sampled Date May 14, 2025  
Sample Description Air Quality  
Location Compressor House  
Date Analysis Commenced May 17, 2025  
Condition of Sample Drawn into two 10-L air sampling bags  
Barometric Pressure 758 mmHg  
Atmospheric Temperature 29.8 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Ethylene	09:00 AM - 11:00 AM	ppm	-	1.0	<1.0	200	Based on ASTM, D 2712-18	ACGIH	Bangkok
Propane	09:00 AM - 11:00 AM	ppm	-	1.0	<1.0	No Standard	Based on ASTM, D 2712-91	-	Bangkok
Total Hydrocarbon as Methane	09:00 AM - 11:00 AM	ppm	-	1.0	3.8	No Standard	Total Hydrocarbon Analyzer	-	Rayong

### 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).

Sampled By : Natthapon Jiengwareewong

### Remark :

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

Approved by

*Orawan R.*

Orawan Rakyong  
Scientist (3)

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

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## Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2537277

Date Received : May 15, 2025

Date Reported : May 23, 2025

Report Number : 3287405-1

Page 2 of 3

Sample Number 2537277-2  
Sampled Date May 14, 2025  
Sample Description Air Quality  
Location Degassing Hopper  
Date Analysis Commenced May 17, 2025  
Condition of Sample Drawn into two 10-L air sampling bags  
Barometric Pressure 758 mmHg  
Atmospheric Temperature 29.8 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Ethylene	09:00 AM - 11:00 AM	ppm	-	1.0	<1.0	200	Based on ASTM, D 2712-18	ACGIH	Bangkok
Propane	09:00 AM - 11:00 AM	ppm	-	1.0	<1.0	No Standard	Based on ASTM, D 2712-91	-	Bangkok
Total Hydrocarbon as Methane	09:00 AM - 11:00 AM	ppm	-	1.0	2.4	No Standard	Total Hydrocarbon Analyzer	-	Rayong

### 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).

Sampled By : Natthapon Jiengwareewong

### Remark :

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

Approved by

*Orawan R.*

Orawan Rakyong  
Scientist (3)

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## Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2537277

Date Received : May 15, 2025

Date Reported : May 23, 2025

Report Number : 3287405-1

Page 3 of 3

Sample Number 2537277-3  
Sampled Date May 14, 2025  
Sample Description Air Quality  
Location Recycle Gas Cooler  
Date Analysis Commenced May 17, 2025  
Condition of Sample Drawn into two 10-L air sampling bags  
Barometric Pressure 758 mmHg  
Atmospheric Temperature 29.8 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Ethylene	09:00 AM - 11:00 AM	ppm	-	1.0	<1.0	200	Based on ASTM, D 2712-18	ACGIH	Bangkok
Propane	09:00 AM - 11:00 AM	ppm	-	1.0	<1.0	No Standard	Based on ASTM, D 2712-91	-	Bangkok
Total Hydrocarbon as Methane	09:00 AM - 11:00 AM	ppm	-	1.0	4.6	No Standard	Total Hydrocarbon Analyzer	-	Rayong

### 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).

Sampled By : Natthapon Jiengwareewong

### Remark :

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

Approved by

*Orawan R.*

Orawan Rakyong  
Scientist (3)

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

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# ภาคผนวก ค-6

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ระดับเสียงในสถานประกอบการ



## Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 253421

Date Received : Feb 07, 2025

Date Reported : Feb 14, 2025

Report Number: 3234798-1

Page 1 of 1

Sample Number 253421-1  
Parameter Noise (Leq 8 hrs.)  
Location ภาชนะ Compressor House  
Measurement Date Feb 06, 2025  
Measurement by Satcha Phetsawaeng

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	80.2	89.0	80.1
09:00 AM - 10:00 AM	80.2	82.1	80.0
10:00 AM - 11:00 AM	80.3	82.4	80.1
11:00 AM - 12:00 PM	80.4	80.9	80.3
12:00 PM - 01:00 PM	80.5	81.5	80.3
01:00 PM - 02:00 PM	80.4	87.4	80.3
02:00 PM - 03:00 PM	80.4	80.9	80.3
03:00 PM - 04:00 PM	80.4	81.1	80.3

Leq Average 8 hrs. (dB(A))

80.4

Lmax (dB(A))

89.0

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย  
ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖

Technical Management

Chontichak

Chonticha Subongkoch  
Scientist (3)

Approved by

Supot S

Supot Salamteh  
Section Head

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## Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 253421

Date Received : Feb 07, 2025

Date Reported : Feb 14, 2025

Report Number: 3234799-1

Page 1 of 1

Sample Number 253421-2  
Parameter Noise (Leq 8 hrs.)  
Location Degassing Hopper  
Measurement Date Feb 06, 2025  
Measurement by Satcha Phetsawaeng

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:03 AM - 09:03 AM	83.9	87.2	83.2
09:03 AM - 10:03 AM	84.4	87.4	83.9
10:03 AM - 11:03 AM	83.7	85.2	83.2
11:03 AM - 12:03 PM	83.5	85.4	82.9
12:03 PM - 01:03 PM	83.7	85.1	83.1
01:03 PM - 02:03 PM	84.0	85.5	83.4
02:03 PM - 03:03 PM	83.1	85.4	82.3
03:03 PM - 04:03 PM	83.1	85.8	79.2

Leq Average 8 hrs. (dB(A))

83.7

Lmax (dB(A))

87.4

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย  
ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖

Technical Management

Chontichak

Chonticha Subongkoch  
Scientist (3)

Approved by

Supot S

Supot Salamteh  
Section Head

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## Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 253421

Date Received : Feb 07, 2025

Date Reported : Feb 14, 2025

Report Number: 3234800-1

Page 1 of 1

Sample Number 253421-3  
Parameter Noise (Leq 8 hrs.)  
Location Recycle Gas Cooler  
Measurement Date Feb 06, 2025  
Measurement by Satcha Phetsawaeng

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	72.2	76.3	72.0
09:00 AM - 10:00 AM	72.3	79.0	72.0
10:00 AM - 11:00 AM	72.8	82.8	72.2
11:00 AM - 12:00 PM	72.1	73.2	71.9
12:00 PM - 01:00 PM	72.2	73.5	71.9
01:00 PM - 02:00 PM	72.8	85.0	72.0
02:00 PM - 03:00 PM	72.1	78.7	71.9
03:00 PM - 04:00 PM	72.0	73.6	71.9

Leq Average 8 hrs. (dB(A))

72.3

Lmax (dB(A))

85.0

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย  
ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖

Technical Management

Chontichak

Chonticha Subongkoch  
Scientist (3)

Approved by

Supot S

Supot Salamteh  
Section Head

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## Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 253421

Date Received : Feb 07, 2025

Date Reported : Feb 14, 2025

Report Number: 3234802-1

Page 1 of 1

Sample Number 253421-5  
Parameter Noise (Leq 8 hrs.)  
Location Bagging Area  
Measurement Date Feb 06, 2025  
Measurement by Satcha Phetsawaeng

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:20 AM - 09:20 AM	77.1	81.1	76.4
09:20 AM - 10:20 AM	76.1	84.3	73.1
10:20 AM - 11:20 AM	78.1	86.1	74.9
11:20 AM - 12:20 PM	74.6	82.4	72.4
12:20 PM - 01:20 PM	77.7	89.5	75.5
01:20 PM - 02:20 PM	78.1	83.4	75.6
02:20 PM - 03:20 PM	78.3	87.1	76.0
03:20 PM - 04:20 PM	77.3	83.0	74.5

Leq Average 8 hrs. (dB(A))

77.3

Lmax (dB(A))

89.5

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย  
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## Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 253421

Date Received : Feb 07, 2025

Date Reported : Feb 14, 2025

Report Number: 3234803-1

Page 1 of 1

Sample Number 253421-6  
Parameter Noise (Leq 8 hrs.)  
Location Storage Area  
Measurement Date Feb 06, 2025  
Measurement by Satcha Phetsawaeng

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:45 AM - 09:45 AM	77.8	81.5	77.1
09:45 AM - 10:45 AM	77.6	80.7	77.0
10:45 AM - 11:45 AM	79.5	93.7	77.5
11:45 AM - 12:45 PM	77.7	79.2	77.2
12:45 PM - 01:45 PM	77.7	78.9	77.3
01:45 PM - 02:45 PM	79.0	90.4	77.4
02:45 PM - 03:45 PM	77.9	89.3	77.2
03:45 PM - 04:45 PM	77.6	79.6	77.1

Leq Average 8 hrs. (dB(A))

78.2

Lmax (dB(A))

93.7

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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## Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 253421

Date Received : Feb 07, 2025

Date Reported : Feb 14, 2025

Report Number: 3234804-1

Page 1 of 1

Sample Number 253421-7  
Parameter Noise (Leq 8 hrs.)  
Location คังกลางรั้วทิศเหนือระหว่าง LDPE & HDPE  
Measurement Date Feb 06, 2025  
Measurement by Satcha Phetsawaeng

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	82.7	84.4	82.3
09:00 AM - 10:00 AM	82.1	83.3	81.9
10:00 AM - 11:00 AM	82.3	83.0	82.1
11:00 AM - 12:00 PM	82.3	82.8	82.1
12:00 PM - 01:00 PM	81.8	82.5	81.7
01:00 PM - 02:00 PM	82.1	82.7	81.9
02:00 PM - 03:00 PM	82.1	82.9	82.0
03:00 PM - 04:00 PM	81.9	82.6	81.8

Leq Average 8 hrs. (dB(A))

82.2

Lmax (dB(A))

84.4

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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## Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 253273

Date Received : Feb 07, 2025

Date Reported : Feb 14, 2025

Report Number: 3233864-1

Page 1 of 1

Sample Number 253273-4  
Parameter Noise (Leq 12 hrs.)  
Location CCR  
Measurement Date Feb 06, 2025  
Measurement by Satcha Phetsawaeng

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	62.7	77.3	55.9
09:00 AM - 10:00 AM	63.0	78.7	55.0
10:00 AM - 11:00 AM	61.6	76.5	54.3
11:00 AM - 12:00 PM	59.0	76.4	54.2
12:00 PM - 01:00 PM	61.8	80.9	55.4
01:00 PM - 02:00 PM	60.6	77.7	54.1
02:00 PM - 03:00 PM	61.0	75.5	54.1
03:00 PM - 04:00 PM	64.0	77.7	56.0
04:00 PM - 05:00 PM	61.2	76.2	54.2
05:00 PM - 06:00 PM	61.8	80.7	54.5
06:00 PM - 07:00 PM	63.0	76.9	54.6
07:00 PM - 08:00 PM	61.4	76.1	53.6

Leq Average 12 hrs. (dB(A))

61.9

Lmax (dB(A))

80.9

Standard (dB(A))

87

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย

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Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2537284

Date Received : May 16, 2025

Date Reported : May 21, 2025

Report Number: 3311662-1

Page 1 of 1

Sample Number 2537284-1  
Parameter Noise (Leq 8 hrs.)  
Location ภายใน Compressor House  
Measurement Date May 14, 2025  
Measurement by Natthapon Jiengwareewong

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:06 AM - 09:06 AM	77.3	81.7	76.8
09:06 AM - 10:06 AM	77.7	83.7	77.6
10:06 AM - 11:06 AM	77.8	87.6	77.3
11:06 AM - 12:06 PM	77.6	78.2	77.4
12:06 PM - 01:06 PM	77.9	79.5	77.7
01:06 PM - 02:06 PM	77.8	79.9	77.7
02:06 PM - 03:06 PM	77.6	78.0	77.4
03:06 PM - 04:06 PM	77.8	78.2	77.7

Leq Average 8 hrs. (dB(A))

77.7

Lmax (dB(A))

87.6

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย

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## Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2537284

Date Received : May 16, 2025

Date Reported : May 21, 2025

Report Number: 3311663-1

Page 1 of 1

Sample Number 2537284-2  
Parameter Noise (Leq 8 hrs.)  
Location Degassing Hopper  
Measurement Date May 14, 2025  
Measurement by Natthapon Jiengwareewong

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:51 AM - 09:51 AM	83.5	91.5	80.8
09:51 AM - 10:51 AM	83.7	86.0	81.9
10:51 AM - 11:51 AM	83.6	85.7	82.6
11:51 AM - 12:51 PM	84.0	86.8	82.6
12:51 PM - 01:51 PM	80.6	81.9	79.9
01:51 PM - 02:51 PM	78.4	81.5	77.3
02:51 PM - 03:51 PM	78.3	80.0	77.8
03:51 PM - 04:51 PM	83.6	85.4	80.6

Leq Average 8 hrs. (dB(A))

82.5

Lmax (dB(A))

91.5

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย  
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P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2537284

Date Received : May 16, 2025

Date Reported : May 21, 2025

Report Number: 3311664-1

Page 1 of 1

Sample Number 2537284-3  
Parameter Noise (Leq 8 hrs.)  
Location Recycle Gas Cooler  
Measurement Date May 14, 2025  
Measurement by Natthapon Jiengwareewong

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:58 AM - 09:58 AM	72.3	79.8	71.6
09:58 AM - 10:58 AM	72.3	77.9	72.2
10:58 AM - 11:58 AM	72.3	77.8	72.1
11:58 AM - 12:58 PM	72.0	72.8	71.9
12:58 PM - 01:58 PM	72.1	74.6	72.0
01:58 PM - 02:58 PM	72.2	74.2	72.1
02:58 PM - 03:58 PM	72.1	72.7	72.0
03:58 PM - 04:58 PM	72.2	75.6	72.1

Leq Average 8 hrs. (dB(A))

72.2

Lmax (dB(A))

79.8

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย  
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## Analysis / Test Report

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P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2537284

Date Received : May 16, 2025

Date Reported : May 21, 2025

Report Number: 3311666-1

Page 1 of 1

Sample Number 2537284-5  
Parameter Noise (Leq 8 hrs.)  
Location Bagging Area  
Measurement Date May 14, 2025  
Measurement by Natthapon Jiengwareewong

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:22 AM - 09:22 AM	80.1	89.5	76.7
09:22 AM - 10:22 AM	78.8	89.0	75.9
10:22 AM - 11:22 AM	77.5	92.0	75.1
11:22 AM - 12:22 PM	77.9	85.4	74.7
12:22 PM - 01:22 PM	79.9	91.3	77.4
01:22 PM - 02:22 PM	78.9	90.7	75.6
02:22 PM - 03:22 PM	78.7	87.5	75.5
03:22 PM - 04:22 PM	78.6	97.8	76.4

Leq Average 8 hrs. (dB(A))

78.9

Lmax (dB(A))

97.8

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย  
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## Analysis / Test Report

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10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2537284

Date Received : May 16, 2025

Date Reported : May 21, 2025

Report Number: 3311667-1

Page 1 of 1

Sample Number 2537284-6  
Parameter Noise (Leq 8 hrs.)  
Location Storage Area  
Measurement Date May 14, 2025  
Measurement by Natthapon Jiengwareewong

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:58 AM - 09:58 AM	76.4	79.2	76.1
09:58 AM - 10:58 AM	76.9	77.4	76.7
10:58 AM - 11:58 AM	76.8	80.2	76.6
11:58 AM - 12:58 PM	76.6	77.5	76.5
12:58 PM - 01:58 PM	76.7	78.8	76.5
01:58 PM - 02:58 PM	76.8	77.7	76.6
02:58 PM - 03:58 PM	76.7	77.4	76.5
03:58 PM - 04:58 PM	77.0	81.1	76.8

Leq Average 8 hrs. (dB(A))

76.7

Lmax (dB(A))

81.1

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย  
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## Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2537284

Date Received : May 16, 2025

Date Reported : May 21, 2025

Report Number: 3311668-1

Page 1 of 1

Sample Number 2537284-7  
Parameter Noise (Leq 8 hrs.)  
Location กึ่งกลางรัศมีศพลึกระหว่าง LDPE & HDPE  
Measurement Date May 14, 2025  
Measurement by Natthapon Jiengwareewong

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:09 AM - 09:09 AM	80.1	81.4	79.9
09:09 AM - 10:09 AM	80.3	82.8	80.1
10:09 AM - 11:09 AM	80.4	85.6	80.2
11:09 AM - 12:09 PM	80.5	80.9	80.4
12:09 PM - 01:09 PM	80.3	80.9	80.1
01:09 PM - 02:09 PM	80.1	80.6	80.0
02:09 PM - 03:09 PM	80.2	80.9	80.1
03:09 PM - 04:09 PM	80.6	81.0	80.4

Leq Average 8 hrs. (dB(A))

80.3

Lmax (dB(A))

85.6

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย  
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10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2537281

Date Received : May 16, 2025

Date Reported : May 21, 2025

Report Number: 3311655-1

Page 1 of 1

Sample Number 2537281-4  
Parameter Noise (Leq 12 hrs.)  
Location CCR  
Measurement Date May 14, 2025  
Measurement by Natthapon Jiengwareewong

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:50 AM - 09:50 AM	63.6	78.2	56.8
09:50 AM - 10:50 AM	60.6	76.0	54.6
10:50 AM - 11:50 AM	62.9	77.5	55.2
11:50 AM - 12:50 PM	60.8	85.8	54.0
12:50 PM - 01:50 PM	60.7	75.5	54.4
01:50 PM - 02:50 PM	66.8	82.2	57.0
02:50 PM - 03:50 PM	66.1	81.5	54.4
03:50 PM - 04:50 PM	66.3	82.5	57.4
04:50 PM - 05:50 PM	67.2	87.3	54.6
05:50 PM - 06:50 PM	69.6	86.2	58.9
06:50 PM - 07:50 PM	66.8	82.2	57.0
06:50 PM - 07:50 PM	65.9	81.4	56.3

Leq Average 12 hrs. (dB(A))

65.6

Lmax (dB(A))

87.3

Standard (dB(A))

87

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย  
ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖

Technical Management

Chontichak

Chonticha Subongkoch  
Scientist (3)

Approved by

Supot S

Supot Salamteh  
Section Head

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S:\Reports\Air Noise.rpt (11:30AM)



## Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 253424

Date Received : Feb 07, 2025

Date Reported : Feb 10, 2025

Report Number : 3231884-1

Page 1 of 1

Sample Number 253424-1

Parameter Octave band (12 hrs.)

Location Compressor House

Measurement Date Feb 06, 2025

Measurement By Satcha Phetsawaeng

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:00 AM - 09:00 AM	80.2	25.2	42.8	58.1	68.7	74.6	72.8	72.8	72.7	69.4	64.7	52.6
09:00 AM - 10:00 AM	80.2	25.0	42.8	57.9	69.2	74.6	72.5	72.4	72.7	69.5	64.6	52.2
10:00 AM - 11:00 AM	80.3	25.0	42.4	58.3	69.8	74.6	72.8	72.4	72.8	69.7	64.7	52.3
11:00 AM - 12:00 PM	80.4	25.0	42.5	58.8	70.4	74.9	73.0	72.4	72.7	69.5	64.8	52.5
12:00 PM - 01:00 PM	80.5	25.2	42.9	58.6	69.9	74.9	73.1	72.5	72.8	69.6	64.8	52.6
01:00 PM - 02:00 PM	80.4	24.7	42.8	58.2	69.3	74.8	72.9	72.6	73.0	69.8	64.9	52.8
02:00 PM - 03:00 PM	80.4	25.3	42.8	58.1	69.1	74.9	73.1	72.6	72.9	69.6	64.6	52.6
03:00 PM - 04:00 PM	80.4	24.8	42.6	58.2	69.2	74.9	72.9	72.7	72.9	69.6	64.7	52.7
04:00 PM - 05:00 PM	80.5	24.8	42.6	58.4	69.4	75.0	72.9	72.7	73.1	69.6	64.8	52.7
05:00 PM - 06:00 PM	80.7	25.1	42.7	58.8	69.7	75.1	73.3	72.9	73.2	69.6	64.8	52.8
06:00 PM - 07:00 PM	80.5	25.3	42.8	58.6	70.4	74.1	73.2	73.2	72.7	69.8	65.8	52.7
07:00 PM - 08:00 PM	81.7	24.8	40.6	54.9	64.4	76.3	72.4	74.5	75.7	72.5	65.0	47.7
Average	80.5	25.0	42.6	58.2	69.3	74.9	72.9	72.8	73.2	69.9	64.9	52.3

Reference Method : ANSI Standard S1.6-1984

Technical Management

*Orawan R.*  
Orawan Rak Yong  
Scientist (3)

Approved by

*Supt S*  
Supot Salamteh  
Section Head

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S:\Reports\Air\_Noise\_Octave band.rpt (12:46PM)



## Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 253424

Date Received : Feb 07, 2025

Date Reported : Feb 10, 2025

Report Number : 3231885-1

Page 1 of 1

Sample Number 253424-2

Parameter Octave band (12 hrs.)

Location Degassing Hopper

Measurement Date Feb 06, 2025

Measurement By Satcha Phetsawaeng

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:03 AM - 09:03 AM	83.9	26.7	42.8	63.1	67.5	72.8	75.9	79.4	78.5	73.1	62.7	45.0
09:03 AM - 10:03 AM	84.4	28.3	42.6	63.3	67.2	73.2	76.1	79.6	79.2	74.4	64.5	46.9
10:03 AM - 11:03 AM	83.7	27.6	42.9	62.9	67.4	72.3	74.5	79.1	78.9	73.5	61.7	42.8
11:03 AM - 12:03 PM	83.5	27.4	42.6	63.1	67.4	72.7	75.2	79.0	78.0	73.0	63.0	45.3
12:03 PM - 01:03 PM	83.7	29.2	42.3	64.0	67.5	72.5	75.0	78.8	78.6	74.1	63.9	45.8
01:03 PM - 02:03 PM	84.0	25.7	42.0	62.3	66.6	72.8	75.4	79.1	79.0	74.2	64.3	46.9
02:03 PM - 03:03 PM	83.1	28.6	42.1	63.8	67.2	72.6	74.9	78.1	77.8	73.3	63.2	45.0
03:03 PM - 04:03 PM	83.1	22.6	42.1	62.1	66.5	73.0	75.9	77.7	77.7	73.1	62.6	45.0
04:03 PM - 05:03 PM	79.7	17.8	42.5	64.1	63.4	70.4	73.4	74.4	73.2	68.7	58.8	39.3
05:03 PM - 06:03 PM	80.9	17.9	42.7	61.9	62.8	71.5	74.5	74.6	75.7	70.1	57.5	37.2
06:03 PM - 07:03 PM	83.2	16.3	43.1	62.4	70.5	69.2	76.4	78.4	77.5	71.5	62.2	45.6
07:03 PM - 08:03 PM	83.0	17.5	41.1	65.4	69.9	69.0	75.9	78.8	76.6	71.6	64.8	49.4
Average	83.2	25.8	42.4	63.3	67.5	72.0	75.3	78.4	77.8	72.8	62.9	45.5

Reference Method : ANSI Standard S1.6-1984

Technical Management

*Orawan R.*  
Orawan Rak Yong  
Scientist (3)

Approved by

*Supt S*  
Supot Salamteh  
Section Head

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## Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 253424

Date Received : Feb 07, 2025

Date Reported : Feb 10, 2025

Report Number : 3231886-1

Page 1 of 1

Sample Number : 253424-3  
Parameter : Octave band (12 hrs.)  
Location : Recycle Gas Cooler  
Measurement Date : Feb 06, 2025  
Measurement By : Satcha Phetsawaeng

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:00 AM - 09:00 AM	72.2	21.7	38.6	52.9	58.5	65.2	65.1	65.1	64.6	62.7	60.9	48.1
09:00 AM - 10:00 AM	72.3	21.7	38.7	52.9	58.9	65.5	65.3	65.1	64.5	62.5	60.5	47.7
10:00 AM - 11:00 AM	72.8	21.5	38.8	52.8	58.6	65.9	65.1	65.9	65.9	63.4	60.8	47.8
11:00 AM - 12:00 PM	72.1	21.4	38.7	52.4	58.4	65.8	64.6	64.9	64.2	62.2	60.7	47.5
12:00 PM - 01:00 PM	72.2	21.7	39.3	52.6	58.3	65.9	64.6	65.1	64.3	62.2	60.6	47.6
01:00 PM - 02:00 PM	72.8	21.3	38.6	52.8	58.3	65.9	65.0	66.0	65.9	63.4	60.9	47.9
02:00 PM - 03:00 PM	72.1	21.4	38.4	52.7	58.3	65.5	64.8	64.9	64.5	62.3	60.6	47.8
03:00 PM - 04:00 PM	72.0	21.5	38.3	52.7	58.4	65.4	65.0	64.8	64.3	62.1	60.5	47.7
04:00 PM - 05:00 PM	72.1	21.4	38.0	52.6	58.5	65.7	65.1	64.8	64.3	62.1	60.7	47.7
05:00 PM - 06:00 PM	72.1	21.7	38.0	53.0	58.6	65.6	65.0	64.8	64.4	62.2	60.8	47.8
06:00 PM - 07:00 PM	72.4	19.9	37.7	52.1	57.8	61.9	62.6	64.2	67.2	66.1	61.4	47.4
07:00 PM - 08:00 PM	73.6	17.9	35.6	50.6	56.2	60.2	61.3	63.9	68.2	68.5	65.7	50.8
Average	72.4	21.2	38.3	52.5	58.3	65.2	64.6	65.0	65.4	63.8	61.5	48.1

Reference Method : ANSI Standard S1.6-1984

Technical Management

*Orawan R.*  
Orawan Rakying  
Scientist (3)

Approved by

*Supt S*  
Supot Salamteh  
Section Head

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## Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 253424

Date Received : Feb 07, 2025

Date Reported : Feb 10, 2025

Report Number : 3231887-1

Page 1 of 1

Sample Number : 253424-4  
Parameter : Octave band (12 hrs.)  
Location : CCR  
Measurement Date : Feb 06, 2025  
Measurement By : Satcha Phetsawaeng

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:00 AM - 09:00 AM	62.7	13.4	24.9	29.4	41.1	48.1	56.7	58.9	56.5	49.5	34.2	48.1
09:00 AM - 10:00 AM	63.0	13.2	24.9	29.3	41.1	48.8	57.1	59.1	57.1	48.8	36.1	20.0
10:00 AM - 11:00 AM	61.6	13.2	25.1	29.1	41.0	47.9	56.0	58.0	54.8	46.9	32.9	18.0
11:00 AM - 12:00 PM	59.0	13.2	25.2	29.4	40.3	47.0	53.2	55.0	52.2	45.6	32.8	17.9
12:00 PM - 01:00 PM	61.8	13.5	25.1	31.1	42.1	48.8	56.7	57.6	54.7	48.3	36.1	22.0
01:00 PM - 02:00 PM	60.6	13.0	24.5	29.0	40.7	48.5	55.2	56.3	54.4	46.9	34.5	19.8
02:00 PM - 03:00 PM	61.0	13.3	24.9	29.7	41.1	49.3	55.9	56.9	53.5	47.8	34.7	21.2
03:00 PM - 04:00 PM	64.0	13.2	25.3	31.1	42.3	49.9	58.3	60.1	57.6	50.4	37.1	22.5
04:00 PM - 05:00 PM	61.2	12.9	25.2	29.8	40.9	48.0	55.7	57.4	54.6	47.1	34.6	19.2
05:00 PM - 06:00 PM	61.8	12.8	25.5	29.7	42.0	49.9	55.7	57.7	55.7	47.3	34.8	20.5
06:00 PM - 07:00 PM	63.0	11.0	23.8	26.2	40.0	49.0	57.3	59.2	55.9	51.6	40.2	26.0
07:00 PM - 08:00 PM	61.4	10.1	23.8	26.2	39.8	47.0	54.1	57.6	55.6	50.8	39.2	24.9
Average	61.9	12.8	24.9	29.4	41.1	48.6	56.2	58.0	55.5	48.8	36.2	37.4

Reference Method : ANSI Standard S1.6-1984

Technical Management

*Orawan R.*  
Orawan Rakying  
Scientist (3)

Approved by

*Supt S*  
Supot Salamteh  
Section Head

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## Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 253424

Date Received : Feb 07, 2025

Date Reported : Feb 10, 2025

Report Number : 3231888-1

Page 1 of 1

Sample Number : 253424-5  
Parameter : Octave band (12 hrs.)  
Location : Bagging Area  
Measurement Date : Feb 06, 2025  
Measurement By : Satcha Phetsawaeng

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:20 AM - 09:20 AM	77.1	20.6	37.1	48.9	58.3	66.8	65.7	68.3	71.5	71.7	67.5	55.3
09:20 AM - 10:20 AM	76.1	22.9	40.3	51.3	60.8	64.3	66.2	67.8	69.4	71.4	65.5	50.8
10:20 AM - 11:20 AM	78.1	22.6	39.3	50.4	60.5	64.1	67.0	69.7	72.1	73.9	67.9	53.0
11:20 AM - 12:20 PM	74.6	21.7	39.1	50.5	60.4	63.8	65.5	66.9	68.2	69.1	63.1	49.6
12:20 PM - 01:20 PM	77.7	22.6	39.3	52.3	60.5	64.3	67.1	69.8	71.9	73.1	66.9	52.0
01:20 PM - 02:20 PM	78.1	22.6	39.4	52.7	60.5	64.3	66.9	69.7	72.3	73.6	67.5	52.5
02:20 PM - 03:20 PM	78.3	21.5	39.9	53.2	60.6	64.6	66.8	69.3	72.0	74.4	68.5	52.1
03:20 PM - 04:20 PM	77.3	21.3	39.5	52.9	60.5	64.7	66.7	69.2	71.5	72.6	66.4	51.9
04:20 PM - 05:20 PM	77.0	18.8	39.9	52.8	60.7	64.5	66.7	68.9	70.9	72.4	66.3	51.8
05:20 PM - 06:20 PM	77.5	18.4	40.5	52.8	60.7	64.1	66.4	68.1	70.6	73.2	69.2	58.8
06:20 PM - 07:20 PM	76.7	21.4	40.4	52.7	60.8	63.9	66.9	69.0	71.1	71.4	65.3	51.5
07:20 PM - 08:20 PM	77.1	21.1	37.7	49.9	59.1	66.6	65.7	68.1	71.4	71.7	68.2	55.8
Average	77.2	21.5	39.5	51.9	60.3	64.8	66.5	68.8	71.2	72.6	67.1	53.7

Reference Method : ANSI Standard S1.6-1984

Technical Management

*Orawan R.*  
Orawan Rakying  
Scientist (3)

Approved by

*Supt S*  
Supot Salamteh  
Section Head

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## Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 253424

Date Received : Feb 07, 2025

Date Reported : Feb 10, 2025

Report Number : 3231889-1

Page 1 of 1

Sample Number : 253424-6  
Parameter : Octave band (12 hrs.)  
Location : Storage Area  
Measurement Date : Feb 06, 2025  
Measurement By : Satcha Phetsawaeng

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:45 AM - 09:45 AM	77.8	22.9	38.3	53.4	61.4	74.2	69.2	69.5	69.5	66.8	60.8	43.4
09:45 AM - 10:45 AM	77.6	22.7	38.4	53.2	62.1	73.9	68.9	69.3	69.4	66.7	60.5	41.3
10:45 AM - 11:45 AM	79.5	22.6	38.4	52.7	62.2	74.1	70.2	72.3	73.5	70.3	62.8	45.5
11:45 AM - 12:45 PM	77.7	22.5	38.4	52.3	62.5	73.6	69.2	69.5	69.7	67.3	61.4	41.8
12:45 PM - 01:45 PM	77.7	22.8	39.0	52.4	62.4	73.7	69.1	69.7	69.8	67.3	61.3	41.8
01:45 PM - 02:45 PM	79.0	22.6	38.3	52.8	62.1	73.8	70.0	71.8	72.5	69.7	62.7	45.3
02:45 PM - 03:45 PM	77.9	22.5	38.4	53.2	61.7	74.2	69.2	69.6	70.0	67.5	61.4	42.5
03:45 PM - 04:45 PM	77.6	22.5	38.4	53.4	61.6	74.1	69.0	69.2	69.2	66.7	60.9	41.3
04:45 PM - 05:45 PM	77.6	22.6	38.2	53.5	61.6	74.1	69.1	69.3	69.2	66.5	60.8	41.2
05:45 PM - 06:45 PM	77.6	22.6	38.3	53.3	62.1	74.0	68.8	69.4	69.3	66.3	60.6	41.1
06:45 PM - 07:45 PM	77.7	21.3	38.2	49.8	59.2	67.3	66.2	68.8	72.3	72.3	68.1	57.0
07:45 PM - 08:45 PM	77.0	20.6	40.8	53.3	59.3	63.5	64.2	67.0	71.8	72.1	69.2	55.0
Average	77.9	22.4	38.7	52.9	61.6	73.3	68.8	69.8	70.8	68.9	63.8	49.3

Reference Method : ANSI Standard S1.6-1984

Technical Management

*Orawan R.*  
Orawan Rakying  
Scientist (3)

Approved by

*Supt S*  
Supot Salamteh  
Section Head

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## Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 253424

Date Received : Feb 07, 2025

Date Reported : Feb 10, 2025

Report Number : 3231890-1

Page 1 of 1

Sample Number : 253424-7  
Parameter : Octave band (12 hrs.)  
Location : ห้องกลางรั้วเขตเทศบาล LDPE & HDPE  
Measurement Date : Feb 06, 2025  
Measurement By : Satcha Phetsawaeng

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:00 AM - 09:00 AM	82.7	23.1	36.0	53.5	64.2	65.9	66.6	69.3	72.7	78.9	78.1	66.6
09:00 AM - 10:00 AM	82.1	28.5	40.0	55.8	65.8	68.6	70.1	72.3	74.7	77.7	75.2	64.7
10:00 AM - 11:00 AM	82.3	27.7	39.8	55.6	64.9	68.8	69.7	72.3	75.0	77.9	75.5	64.6
11:00 AM - 12:00 PM	82.3	27.5	39.6	56.0	65.5	69.0	69.6	72.3	75.1	77.8	75.4	64.4
12:00 PM - 01:00 PM	81.8	27.4	39.7	55.8	65.6	68.8	69.5	71.8	74.1	77.4	75.2	64.1
01:00 PM - 02:00 PM	82.1	27.6	39.7	56.2	65.9	69.2	69.8	72.1	74.8	77.5	75.2	64.1
02:00 PM - 03:00 PM	82.1	26.9	39.7	55.9	65.8	69.0	69.9	72.2	74.9	77.6	75.3	64.3
03:00 PM - 04:00 PM	81.9	28.0	39.7	55.0	65.9	68.4	69.8	71.9	74.2	77.5	75.3	64.4
04:00 PM - 05:00 PM	82.1	27.0	39.8	54.9	66.2	68.7	69.9	72.1	74.6	77.6	75.3	64.5
05:00 PM - 06:00 PM	82.0	26.5	40.0	55.5	66.1	68.7	70.2	72.0	74.4	77.6	75.3	64.6
06:00 PM - 07:00 PM	82.2	26.8	40.2	56.0	66.2	69.5	70.6	72.5	75.2	77.5	75.1	64.5
07:00 PM - 08:00 PM	82.8	23.2	36.1	53.6	64.3	66.0	66.7	69.4	72.8	79.0	78.2	66.7
Average	82.2	26.9	39.4	55.4	65.6	68.5	69.5	71.8	74.4	77.9	75.9	64.9

Reference Method : ANSI Standard S1.6-1984

Technical Management

*Orawan R.*  
Orawan Rakyong  
Scientist (3)

Approved by

*Supt S.*  
Supot Salamteh  
Section Head

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S:\Reports\Air Noise\_Octave band.rpt (12:47PM)



## Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2537290

Date Received : May 16, 2025

Date Reported : May 22, 2025

Report Number : 3313279-1

Page 1 of 1

Sample Number : 2537290-1  
Parameter : Octave band (12 hrs.)  
Location : ภาชนะ Compressor House  
Measurement Date : May 14, 2025  
Measurement By : Natthapon Jiengwareewong

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:06 AM - 09:06 AM	77.3	25.5	43.0	57.9	65.5	69.9	70.3	70.1	70.7	67.7	62.2	45.9
09:06 AM - 10:06 AM	77.7	25.8	43.3	57.9	65.8	70.2	70.7	70.4	71.2	68.2	61.6	43.9
10:06 AM - 11:06 AM	77.8	26.7	43.1	57.9	65.8	69.9	70.6	70.4	71.9	68.1	62.2	44.3
11:06 AM - 12:06 PM	77.6	26.1	43.0	58.0	65.9	69.8	70.9	70.3	71.0	68.0	62.7	45.1
12:06 PM - 01:06 PM	77.9	25.7	43.2	58.0	66.3	70.0	71.0	70.6	71.3	68.3	62.8	45.4
01:06 PM - 02:06 PM	77.8	25.6	43.1	57.9	66.3	70.1	71.0	70.5	71.2	68.2	62.7	45.2
02:06 PM - 03:06 PM	77.6	25.6	43.0	58.1	66.1	70.0	70.6	70.4	70.9	67.8	62.6	45.7
03:06 PM - 04:06 PM	77.8	25.7	42.7	58.1	66.5	70.4	70.9	70.4	71.1	68.0	62.7	46.0
04:06 PM - 05:06 PM	77.6	25.4	42.7	58.3	66.2	70.1	70.8	70.4	71.0	67.8	62.6	45.9
05:06 PM - 06:06 PM	77.4	25.3	42.7	58.1	65.8	69.6	70.7	70.2	70.7	67.6	62.7	45.9
06:06 PM - 07:06 PM	77.6	25.6	43.0	58.1	66.1	70.0	70.6	70.4	70.9	67.8	62.6	45.7
07:06 PM - 08:06 PM	77.8	25.6	43.1	57.9	66.3	70.1	71.0	70.5	71.2	68.2	62.7	45.2
Average	77.7	25.7	43.0	58.0	66.1	70.0	70.8	70.4	71.1	68.0	62.5	45.4

Reference Method : ANSI Standard S1.6-1984

Technical Management

*Orawan R.*  
Orawan Rakyong  
Scientist (3)

Approved by

*Supt S.*  
Supot Salamteh  
Section Head

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## Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2537290

Date Received : May 16, 2025

Date Reported : May 22, 2025

Report Number : 3313280-1

Page 1 of 1

Sample Number : 2537290-2  
Parameter : Octave band (12 hrs.)  
Location : Degassing Hopper  
Measurement Date : May 14, 2025  
Measurement By : Natthapon Jiengwareewong

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:51 AM - 09:51 AM	83.5	27.0	44.0	61.5	67.1	73.0	79.1	78.0	76.1	70.1	59.7	43.8
09:51 AM - 10:51 AM	83.7	24.1	44.8	62.5	66.3	72.6	79.8	77.6	76.7	70.8	58.8	42.5
10:51 AM - 11:51 AM	83.6	30.3	43.5	62.9	65.9	72.3	79.0	77.5	77.5	71.6	58.3	41.8
11:51 AM - 12:51 PM	84.0	29.9	43.3	63.2	66.5	73.2	79.9	77.3	77.7	71.7	58.6	42.1
12:51 PM - 01:51 PM	80.6	21.4	43.5	63.7	63.2	69.3	75.8	73.9	74.7	69.4	55.7	39.9
01:51 PM - 02:51 PM	78.4	21.5	43.6	63.5	62.7	68.0	73.9	72.4	71.2	64.8	53.4	39.4
02:51 PM - 03:51 PM	78.3	21.7	43.8	63.7	62.6	67.7	74.2	72.7	70.2	63.6	53.7	40.1
03:51 PM - 04:51 PM	83.6	22.0	44.5	61.7	64.7	72.0	80.2	77.3	75.6	70.3	57.9	41.8
04:51 PM - 05:51 PM	84.3	22.1	44.4	64.2	66.1	72.7	81.3	77.4	76.3	70.9	58.6	42.1
05:51 PM - 06:51 PM	83.0	22.2	44.1	62.4	65.4	71.7	80.1	76.3	74.3	68.6	57.1	41.8
06:51 PM - 07:51 PM	80.6	21.4	43.5	63.7	63.2	69.3	75.8	73.9	74.7	69.4	55.7	39.9
07:51 PM - 08:51 PM	78.3	21.7	43.8	63.7	62.6	67.7	74.2	72.7	70.2	63.6	53.7	40.1
Average	82.4	25.2	43.9	63.1	65.0	71.3	78.5	76.1	75.2	69.5	57.3	41.5

Reference Method : ANSI Standard S1.6-1984

Technical Management

*Orawan R.*  
Orawan Rakyong  
Scientist (3)

Approved by

*Supot S.*  
Supot Salamteh  
Section Head

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## Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2537290

Date Received : May 16, 2025

Date Reported : May 22, 2025

Report Number : 3313281-1

Page 1 of 1

Sample Number : 2537290-3  
Parameter : Octave band (12 hrs.)  
Location : Recycle Gas Cooler  
Measurement Date : May 14, 2025  
Measurement By : Natthapon Jiengwareewong

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:58 AM - 09:58 AM	72.3	22.1	38.6	51.1	59.4	63.4	64.8	65.7	64.9	63.3	62.4	51.6
09:58 AM - 10:58 AM	72.3	22.2	38.6	52.0	59.3	63.9	65.2	65.5	64.3	62.5	62.7	50.7
10:58 AM - 11:58 AM	72.3	22.8	38.9	51.6	59.0	64.0	65.3	65.5	64.5	62.5	62.3	51.1
11:58 AM - 12:58 PM	72.0	22.5	38.5	51.6	58.6	63.7	64.9	65.4	64.3	62.4	62.2	51.4
12:58 PM - 01:58 PM	72.1	22.4	38.7	51.7	58.6	63.6	65.0	65.5	64.4	62.5	62.3	51.4
01:58 PM - 02:58 PM	72.2	22.6	38.9	51.9	58.8	63.5	65.1	65.6	64.7	62.9	62.6	51.5
02:58 PM - 03:58 PM	72.1	22.7	39.0	52.0	58.7	63.9	65.1	65.4	64.4	62.4	62.1	51.4
03:58 PM - 04:58 PM	72.2	22.6	38.7	52.2	58.7	64.0	65.2	65.6	64.6	62.5	62.2	51.6
04:58 PM - 05:58 PM	72.2	22.4	38.9	52.2	58.6	63.9	65.2	65.5	64.5	62.4	62.1	51.6
05:58 PM - 06:58 PM	72.3	22.4	39.0	52.2	58.8	63.8	65.2	65.5	64.6	63.1	62.0	51.8
06:58 PM - 07:58 PM	72.3	22.8	38.9	51.6	59.0	64.0	65.3	65.5	64.5	62.5	62.3	51.1
07:58 PM - 08:58 PM	72.1	22.7	39.0	52.0	58.7	63.9	65.1	65.4	64.4	62.4	62.1	51.4
Average	72.2	22.5	38.8	51.9	58.9	63.8	65.1	65.5	64.5	62.6	62.3	51.4

Reference Method : ANSI Standard S1.6-1984

Technical Management

*Orawan R.*  
Orawan Rakyong  
Scientist (3)

Approved by

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Supot Salamteh  
Section Head

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## Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2537290

Date Received : May 16, 2025

Date Reported : May 22, 2025

Report Number : 3313282-1

Page 1 of 1

Sample Number 2537290-4  
Parameter Octave band (12 hrs.)  
Location CCR  
Measurement Date May 14, 2025  
Measurement By Natthapon Jiengwareewong

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:50 AM - 09:50 AM	63.6	9.6	20.3	25.8	40.5	49.3	58.3	59.0	57.2	52.7	41.5	51.6
09:50 AM - 10:50 AM	60.6	10.3	20.4	24.8	37.6	45.9	53.1	57.1	54.9	49.7	38.2	20.7
10:50 AM - 11:50 AM	62.9	10.1	20.0	24.8	39.6	48.8	57.4	58.1	56.9	52.4	40.7	23.3
11:50 AM - 12:50 PM	60.8	11.4	20.8	25.3	38.7	47.2	55.0	56.1	55.2	49.8	38.3	20.1
12:50 PM - 01:50 PM	60.7	13.2	23.0	27.9	38.8	47.6	55.1	56.7	52.7	51.2	38.0	22.9
01:50 PM - 02:50 PM	66.8	13.0	23.5	26.9	40.9	52.2	62.5	62.2	59.8	53.2	40.3	24.3
02:50 PM - 03:50 PM	66.1	12.7	23.1	27.4	40.6	50.6	61.9	61.6	59.0	52.7	39.0	24.1
03:50 PM - 04:50 PM	66.3	13.0	23.0	27.2	41.7	51.6	61.5	61.8	59.6	54.0	41.1	25.2
04:50 PM - 05:50 PM	67.2	12.4	23.5	27.0	40.0	51.2	62.7	62.8	60.4	54.0	40.7	23.9
05:50 PM - 06:50 PM	69.6	13.5	23.5	27.5	43.6	54.2	65.2	65.3	62.6	55.6	42.1	26.3
06:50 PM - 07:50 PM	66.8	13.0	23.5	26.9	40.9	52.2	62.5	62.2	59.8	53.2	40.3	24.3
06:50 PM - 07:50 PM	65.9	13.1	23.0	28.1	41.1	51.4	61.2	61.1	59.7	53.5	40.5	24.8
Average	65.6	12.3	22.5	26.8	40.6	50.8	61.0	61.2	58.9	53.0	40.2	40.9

Reference Method : ANSI Standard S1.6-1984

Technical Management

*Orawan R.*  
Orawan Rakyong  
Scientist (3)

Approved by

*Supot S.*  
Supot Salamteh  
Section Head

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## Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2537290

Date Received : May 16, 2025

Date Reported : May 22, 2025

Report Number : 3313283-1

Page 1 of 1

Sample Number 2537290-5  
Parameter Octave band (12 hrs.)  
Location Bagging Area  
Measurement Date May 14, 2025  
Measurement By Natthapon Jiengwareewong

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:22 AM - 09:22 AM	80.1	21.8	40.8	51.6	61.5	64.7	67.9	70.1	73.0	75.7	73.6	63.0
09:22 AM - 10:22 AM	78.8	21.9	41.2	51.8	61.6	64.7	67.4	69.1	72.0	74.3	71.6	60.6
10:22 AM - 11:22 AM	77.5	22.0	40.3	51.1	61.1	64.7	68.5	72.4	71.2	70.1	66.2	55.4
11:22 AM - 12:22 PM	77.9	20.2	40.1	51.0	61.4	64.9	67.7	69.6	71.5	72.6	69.5	58.0
12:22 PM - 01:22 PM	79.9	18.6	40.3	51.2	62.0	65.6	69.0	71.2	73.5	74.4	72.7	62.8
01:22 PM - 02:22 PM	78.9	18.7	40.6	51.2	61.9	65.3	68.5	70.0	72.2	73.2	71.9	62.8
02:22 PM - 03:22 PM	78.7	20.4	40.7	51.2	61.5	65.1	68.6	70.0	71.7	73.6	71.3	61.4
03:22 PM - 04:22 PM	78.6	21.8	40.7	51.3	61.4	65.2	68.5	70.2	72.3	73.8	69.3	56.6
04:22 PM - 05:22 PM	78.0	21.0	41.4	51.2	61.4	65.1	68.0	69.4	71.5	73.1	69.0	56.6
05:22 PM - 06:22 PM	77.9	20.2	40.1	51.0	61.4	64.9	67.7	69.6	71.5	72.6	69.5	58.0
06:22 PM - 07:22 PM	78.8	21.9	41.2	51.8	61.6	64.7	67.4	69.1	72.0	74.3	71.6	60.6
07:22 PM - 08:22 PM	78.9	18.7	40.6	51.2	61.9	65.3	68.5	70.0	72.2	73.2	71.9	62.8
Average	78.7	20.8	40.7	51.3	61.6	65.0	68.2	70.2	72.1	73.6	71.1	60.6

Reference Method : ANSI Standard S1.6-1984

Technical Management

*Orawan R.*  
Orawan Rakyong  
Scientist (3)

Approved by

*Supot S.*  
Supot Salamteh  
Section Head

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## Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2537290

Date Received : May 16, 2025

Date Reported : May 22, 2025

Report Number : 3313284-1

Page 1 of 1

Sample Number 2537290-6  
Parameter Octave band (12 hrs.)  
Location Storage Area  
Measurement Date May 14, 2025  
Measurement By Natthapon Jiengwareewong

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:58 AM - 09:58 AM	76.4	24.5	39.7	54.5	62.4	70.5	69.8	68.7	69.3	66.0	59.2	40.5
09:58 AM - 10:58 AM	76.9	25.1	40.1	54.7	62.9	71.4	70.7	68.9	69.5	65.3	58.6	38.4
10:58 AM - 11:58 AM	76.8	25.5	40.3	54.8	63.0	70.9	70.6	69.0	69.7	65.7	58.5	39.3
11:58 AM - 12:58 PM	76.6	25.3	39.9	54.5	62.6	70.8	70.4	68.8	69.5	65.6	58.5	39.5
12:58 PM - 01:58 PM	76.7	25.3	40.2	54.4	62.9	70.9	70.5	68.9	69.6	65.4	58.0	39.1
01:58 PM - 02:58 PM	76.8	25.5	40.4	54.6	62.8	71.0	70.6	68.9	69.7	65.6	58.0	39.2
02:58 PM - 03:58 PM	76.7	25.5	40.3	54.8	62.9	71.0	70.4	68.7	69.6	65.4	57.9	39.0
03:58 PM - 04:58 PM	77.0	25.3	40.3	54.6	63.1	71.4	70.7	69.0	70.0	65.3	58.0	39.1
04:58 PM - 05:58 PM	77.0	25.3	40.4	54.7	63.1	71.5	70.6	69.1	70.0	65.2	58.0	39.0
05:58 PM - 06:58 PM	76.9	25.3	40.4	54.6	63.1	71.2	70.6	69.1	69.8	65.8	57.9	39.6
06:58 PM - 07:58 PM	76.7	25.5	40.3	54.8	62.9	71.0	70.4	68.7	69.6	65.4	57.9	39.0
07:58 PM - 08:58 PM	76.6	25.3	39.9	54.5	62.6	70.8	70.4	68.8	69.5	65.6	58.5	39.5
Average	76.8	25.3	40.2	54.6	62.9	71.0	70.5	68.9	69.7	65.5	58.3	39.3

Reference Method : ANSI Standard S1.6-1984

Technical Management

*Orawan R.*  
Orawan Rak Yong  
Scientist (3)

Approved by

*Supt S.*  
Supot Salamteh  
Section Head

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S:\Reports\Air Noise\_Octave band.rpt ( 3:39PM)



## Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2537290

Date Received : May 16, 2025

Date Reported : May 22, 2025

Report Number : 3313285-1

Page 1 of 1

Sample Number 2537290-7  
Parameter Octave band (12 hrs.)  
Location ห้องกลางรั้วติดถนนระหว่าง LDPE & HDPE  
Measurement Date May 14, 2025  
Measurement By Natthapon Jiengwareewong

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:09 AM - 09:09 AM	80.1	22.7	38.9	57.2	64.1	69.1	69.6	69.6	71.4	75.3	73.6	62.2
09:09 AM - 10:09 AM	80.3	23.1	39.5	57.7	65.0	69.0	70.3	70.1	72.4	75.5	73.1	61.7
10:09 AM - 11:09 AM	80.4	24.3	39.5	57.2	64.5	69.0	70.0	69.9	72.8	75.4	73.8	62.8
11:09 AM - 12:09 PM	80.5	23.3	39.6	57.8	64.8	69.4	70.4	70.1	72.5	75.3	73.8	63.0
12:09 PM - 01:09 PM	80.3	22.7	39.8	57.9	65.0	69.6	70.5	70.3	72.3	75.2	73.1	62.3
01:09 PM - 02:09 PM	80.1	22.3	39.6	57.9	65.0	69.4	70.6	70.4	72.1	75.0	72.8	61.8
02:09 PM - 03:09 PM	80.2	22.3	39.5	57.6	64.6	69.4	70.3	70.1	72.0	75.1	73.4	62.6
03:09 PM - 04:09 PM	80.6	21.9	39.3	58.3	65.0	69.6	71.2	70.8	72.8	75.2	73.3	62.6
04:09 PM - 05:09 PM	80.5	21.3	39.0	57.9	64.6	69.4	71.0	70.7	72.8	75.2	73.4	62.7
05:09 PM - 06:09 PM	82.1	22.2	41.8	63.0	74.3	73.4	73.8	71.1	72.3	75.0	73.5	62.7
06:09 PM - 07:09 PM	80.4	24.3	39.5	57.2	64.5	69.0	70.0	69.9	72.8	75.4	73.8	62.8
07:09 PM - 08:09 PM	80.6	21.9	39.3	58.3	65.0	69.6	71.2	70.8	72.8	75.2	73.3	62.6
Average	80.5	22.8	39.7	58.5	67.0	69.9	70.9	70.3	72.4	75.2	73.4	62.5

Reference Method : ANSI Standard S1.6-1984

Technical Management

*Orawan R.*  
Orawan Rak Yong  
Scientist (3)

Approved by

*Supt S.*  
Supot Salamteh  
Section Head

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## Analysis / Test Report

**Client** : Thai Polyethylene Co., Ltd.  
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150  
**P/O** : PMM-23-11  
**Project Name** : Environmental Monitoring  
**Project Location** : LDPE

**Lot ID: 253422**  
Date Received : Feb 07, 2025  
Date Reported : Feb 14, 2025  
Report Number : 3211411-1

Page 2 of 2

**Sample Number** : 253422-2  
**Sampled Date** : Feb 06, 2025  
**Sample Description** : Noise Dose  
**Location** : บริเวณ Compressor House  
**Personal Sampling** : คุณพิชญ์ ลาโพธิ์  
**Date Analysis Commenced** : Feb 07, 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	31.6	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
Noise Dose (8 hrs.)	08:00 AM - 08:00 PM	%	-	1	29.5	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
TWA (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	dB(A)	-	-	78.0	83*	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
TWA (8 hrs.)	08:00 AM - 08:00 PM	dB(A)	-	-	79.7	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** : Tinnakorn Kumpasee

### Remark :

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

Approved by

*Supot S*

Supot Salamteh  
Section Head

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## Analysis / Test Report

**Client** : Thai Polyethylene Co., Ltd.  
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150  
**P/O** : PMM-23-11  
**Project Name** : Environmental Monitoring  
**Project Location** : LDPE

**Lot ID: 2537287**  
Date Received : May 15, 2025  
Date Reported : May 20, 2025  
Report Number : 3287419-1

Page 2 of 2

**Sample Number** : 2537287-2  
**Sampled Date** : May 14, 2025  
**Sample Description** : Noise Dose  
**Location** : บริเวณ Compressor House  
**Personal Sampling** : คุณวัชรพล พัดวงษ์  
**Date Analysis Commenced** : May 16, 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)	07:30 AM - 07:30 PM	%	-	1	6.9	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
Noise Dose (8 hrs.)	07:30 AM - 07:30 PM	%	-	1	6.6	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
TWA (12 hrs.) (Calculated from Lavg)	07:30 AM - 07:30 PM	dB(A)	-	-	71.4	83*	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
TWA (8 hrs.)	07:30 AM - 07:30 PM	dB(A)	-	-	73.2	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** : Natthapon Jiengwareewong

### Remark :

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

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