

ภาคผนวก ค

เอกสารประกอบการปฏิบัติตามมาตรการติดตามตรวจสอบคุณภาพสิ่งแวดล้อม

ภาคผนวก ค.1

สถิติอุบัติเหตุ ระหว่างเดือนมกราคม ถึงมิถุนายน พ.ศ. 2569

ทะเบียนสถิติอุบัติเหตุ ประจำปี 2569
บริษัท พีทีที โกลบอล เคมิคอล จำกัด (มหาชน) สาขา 16 พื้นที่ EG Plant

ลำดับ	วันที่เกิดเหตุ	เวลา	สถานที่	รายละเอียดของเหตุการณ์	แนวทางการแก้ไข	หน่วยงาน
1	มกราคม 2569	-	-	----- ไม่มีอุบัติเหตุ -----	-	-
2	กุมภาพันธ์ 2569	-	-	----- ไม่มีอุบัติเหตุ -----	-	-
3	มีนาคม 2569	-	-	----- ไม่มีอุบัติเหตุ -----	-	-
4	เมษายน 2569	-	-	----- ไม่มีอุบัติเหตุ -----	-	-
5	พฤษภาคม 2569	-	-	----- ไม่มีอุบัติเหตุ -----	-	-
6	มิถุนายน 2569	-	-	----- ไม่มีอุบัติเหตุ -----	-	-

ภาคผนวก ง

ผลการติดตามตรวจสอบผลกระทบสิ่งแวดล้อม



Request No. LA69-R0369

Report No. R6903-1911

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorad Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
SAMPLE SOURCE : EOEK Plant
SAMPLE POINT : Waste Heat Boiler
SAMPLING DATE : 25/03/2026
RECEIVED DATE : 25/03/2026
SAMPLE NO. : 06461
SAMPLING TIME : 10:30-12:00
REPORTED DATE : 31/03/2026

STACK DESCRIPTION¹⁾

Height : 23.00 m
Diameter : 0.80 m
Temperature : 185.00 °C
Air Velocity : 5.70 m/s
Flow rate²⁾ : 1.68 m³/s
Moisture Content : 9.91 %
Type of Process : Combustion
Type of Fuel : Natural Gas
Oxygen Content : 3.81 %
Barometric Pressure : 760.00 mm.Hg
Atmospheric Temperature : 33.00 °C

PARAMETER*	TEST METHOD	TIME	RESULT ³⁾		STD	UNIT
			3.81 % O ₂	7 % O ₂		
Oxides of Nitrogen (NO _x)	Instrumental Analyzer Method (U.S. EPA Method 7E)	10:30-12:00	22.8	18.5	376 ⁴⁾ , 85.0 ²⁾	mg/m ³
			12.1	9.8	200 ⁴⁾ , 45.2 ²⁾	ppm
			0.0383	-	0.068 ²⁾	g/s

REMARK:

- ¹⁾ Notification of The Ministry of Industry B.E. 2549 (2006)
- ²⁾ ค่าที่กำหนดไว้ในรายงานการเปลี่ยนแปลงรายละเอียดโครงการในรายงานการประเมินผลกระทบสิ่งแวดล้อม (EIA) ของโครงการโรงงานผลิตเอทิลีนออกไซด์และเอทิลีนไกลคอล (ครั้งที่ 8) ของบริษัท พีทีที โกลบอล เคมิคอล จำกัด (มหาชน) สาขา 16 พ.ศ. 2566
- ³⁾ Standard Condition (Temperature 25°C, Pressure 760 mmHg) and Dry Basis
- Sampling By Mr. Teerapong Nualin (ว-003-ก-0014)
- ⁴⁾ These Data Outside The Scope of The Registration of The Department of Industrial Works.

Examined By: Thongchai Boonsak

(MR. THONGCHAI BOONSAK)

(ว-003-ก-0012)

31/03/2026



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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WITHOUT THE WRITTEN APPROVAL LABORATORY



Request No. LA69-R0417

Report No. R6904-0409 - R6904-0415

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorad Road, Tambon Map Ta Phut,
Amphur Muang Rayong, Rayong 21150
SAMPLE SOURCE : EOEK Plant
SAMPLE POINT : บ้านหนองเพ็ง
PARAMETER* : Nitrogen Dioxide
DETERMINATION METHOD : Chemiluminescence
INSTRUMENT : API Model T200 S/N 8726
SAMPLE NO. : 07240-07246
SAMPLING DATE : 25/03/2026-01/04/2026
RECEIVED DATE : 01/04/2026
REPORTED DATE : 17/04/2026

TIME / DATE	25-26/03/2026	26-27/03/2026	27-28/03/2026	28-29/03/2026	29-30/03/2026	30-31/03/2026	31/03/2026 - 01/04/2026	UNIT
10:00 - 11:00 ²⁾	2.0	2.0	2.1	1.9	2.4	2.8	1.7	ppb
11:00 - 12:00	3.0	2.8	3.0	1.9	2.4	2.9	2.6	ppb
12:00 - 13:00	2.7	3.1	3.3	2.2	2.0	2.9	2.2	ppb
13:00 - 14:00	3.0	3.1	2.4	1.7	2.1	2.7	2.3	ppb
14:00 - 15:00	3.0	2.7	2.1	2.7	1.7	2.9	1.8	ppb
15:00 - 16:00	3.9	1.8	2.0	2.9	1.6	2.7	2.1	ppb
16:00 - 17:00	3.8	2.4	1.7	2.4	2.0	2.9	1.7	ppb
17:00 - 18:00	2.4	3.4	2.1	2.4	2.3	3.2	2.3	ppb
18:00 - 19:00	2.3	2.6	2.3	1.6	2.1	3.8	2.6	ppb
19:00 - 20:00	1.9	2.0	2.6	1.4	2.5	2.5	2.7	ppb
20:00 - 21:00	1.6	2.8	1.7	1.3	1.7	1.5	2.3	ppb
21:00 - 22:00	1.5	2.3	2.2	1.6	1.9	1.5	1.9	ppb
22:00 - 23:00	1.5	2.2	1.9	1.7	1.7	2.0	1.7	ppb
23:00 - 00:00	1.5	1.8	2.1	1.6	1.5	2.2	2.1	ppb
00:00 - 01:00	1.4	2.0	1.5	1.5	1.6	2.3	2.5	ppb
01:00 - 02:00	1.4	1.7	1.6	1.6	1.5	2.2	1.6	ppb
02:00 - 03:00	1.5	1.6	1.5	1.6	1.5	2.6	2.4	ppb
03:00 - 04:00	1.5	1.6	1.5	1.7	1.7	2.4	2.5	ppb
04:00 - 05:00	1.6	1.6	1.5	1.9	1.7	2.2	2.4	ppb
05:00 - 06:00	1.6	1.5	2.0	1.5	1.7	2.6	2.8	ppb
06:00 - 07:00	2.0	2.2	1.6	2.2	2.1	2.7	2.8	ppb
07:00 - 08:00	4.8	3.1	2.7	2.6	2.3	3.3	2.6	ppb
08:00 - 09:00	3.5	2.7	2.0	1.7	2.8	3.3	2.7	ppb
09:00 - 10:00	2.5	2.3	2.1	1.7	2.6	1.9	2.0	ppb
Maximum 1 hr.	4.8	3.4	3.3	2.9	2.8	3.8	2.8	ppb
Average 24 hr.	2.3	2.3	2.1	1.9	2.0	2.6	2.3	ppb
Standard (1 hr.) ¹⁾	120	120	120	120	120	120	120	ppb

REMARK : ¹⁾ Notification of The National Environmental Board on Ambient Air Quality Standards, B.E. 2569 (2026)

²⁾ Start Time

* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Suphakorn Noppompitak)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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โทร. 0-3848-1197, 0-3876-3031-2 แฟกซ์ : 0-3848-2095
เว็บไซต์ : http://www.etc1992.com อีเมล : info@etc1992.com



EASTERN THAI CONSULTING 1992 CO., LTD.

883 Moo 11 Sukhapibarn 8 Rd., Nongkham, Sriracha, Chonburi 20230
Tel. 0-3848-1197, 0-3876-3031-2 Fax : 0-3848-2095
Website : http://www.etc1992.com E-mail : info@etc1992.com

Request No. LA69-R0417

Report No. R6904-0402 - R6904-0408

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
SAMPLE SOURCE : EOG Plant
SAMPLE POINT : วัดมาขลุค
PARAMETER* : Nitrogen Dioxide
DETERMINATION METHOD : Chemiluminescence
INSTRUMENT : API Model T200 S/N 6758

SAMPLE NO. : 07233-07239
SAMPLING DATE : 25/03/2026-01/04/2026
RECEIVED DATE : 01/04/2026
REPORTED DATE : 17/04/2026

TIME / DATE	25-26/03/2026	26-27/03/2026	27-28/03/2026	28-29/03/2026	29-30/03/2026	30-31/03/2026	31/03/2026 - 01/04/2026	UNIT
10:00 - 11:00 ²	5.2	9.0	3.0	3.9	6.9	7.2	5.3	ppb
11:00 - 12:00	4.6	4.9	2.6	3.3	7.4	6.7	4.8	ppb
12:00 - 13:00	4.3	3.6	3.1	2.6	3.6	6.4	5.2	ppb
13:00 - 14:00	4.3	3.6	2.5	3.8	3.9	6.7	3.9	ppb
14:00 - 15:00	5.2	4.4	2.2	3.0	5.0	6.9	4.3	ppb
15:00 - 16:00	4.3	4.1	2.9	3.1	3.1	5.9	4.1	ppb
16:00 - 17:00	4.2	3.6	3.8	2.6	2.2	5.6	5.8	ppb
17:00 - 18:00	4.6	4.0	3.0	3.0	2.2	5.1	5.5	ppb
18:00 - 19:00	3.0	4.6	4.6	3.2	2.7	4.5	5.3	ppb
19:00 - 20:00	2.9	4.5	5.1	3.8	2.8	4.4	5.8	ppb
20:00 - 21:00	2.5	4.7	4.1	4.9	3.1	5.4	6.0	ppb
21:00 - 22:00	1.7	4.5	4.4	4.7	2.7	5.6	6.2	ppb
22:00 - 23:00	1.4	5.5	4.3	4.0	2.7	5.0	5.4	ppb
23:00 - 00:00	1.8	4.6	9.9	3.6	1.9	3.1	3.4	ppb
00:00 - 01:00	1.6	3.5	8.9	3.7	1.6	3.2	3.8	ppb
01:00 - 02:00	1.9	3.5	11.4	4.6	1.6	2.3	2.7	ppb
02:00 - 03:00	2.4	3.6	3.8	4.9	2.3	2.4	3.1	ppb
03:00 - 04:00	1.6	2.2	4.1	3.2	2.9	2.2	2.6	ppb
04:00 - 05:00	1.3	2.1	3.9	3.6	2.8	3.0	3.0	ppb
05:00 - 06:00	1.8	2.0	3.7	2.8	3.5	2.4	2.9	ppb
06:00 - 07:00	2.6	3.2	4.1	5.1	5.1	3.8	3.6	ppb
07:00 - 08:00	3.6	4.9	4.1	5.4	6.0	6.2	4.2	ppb
08:00 - 09:00	3.8	4.8	3.9	5.7	6.6	6.5	5.0	ppb
09:00 - 10:00	3.7	3.5	4.0	6.1	7.2	3.7	5.7	ppb
Maximum 1 hr.	5.2	9.0	11.4	6.1	7.4	7.2	6.2	ppb
Average 24 hr.	3.1	4.1	4.5	3.9	3.7	4.8	4.5	ppb
Standard (1 hr.) ¹	120	120	120	120	120	120	120	ppb

REMARK : ¹ Notification of The National Environmental Board on Ambient Air Quality Standards. B.E. 2569 (2026)

² Start Time

* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Suphakorn Noppornpitak)



Approved By (MS. THANATPORN KLINSOPON)

17/04/2026

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Website : http://www.etc1992.com E-mail : info@etc1992.com

Request No. LA69-R0417

Report No. R6904-0395 - R6904-0401

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
SAMPLE SOURCE : EOG Plant
SAMPLE POINT : สำนักงานนิคมอุตสาหกรรมระดับสีเขียวฯ ตะวันออก (มาบตาพุด)
PARAMETER* : Nitrogen Dioxide
DETERMINATION METHOD : Chemiluminescence
INSTRUMENT : API Model T200 S/N 6756

SAMPLE NO. : 07226-07232
SAMPLING DATE : 25/03/2026-01/04/2026
RECEIVED DATE : 01/04/2026
REPORTED DATE : 17/04/2026

TIME / DATE	25-26/03/2026	26-27/03/2026	27-28/03/2026	28-29/03/2026	29-30/03/2026	30-31/03/2026	31/03/2026 - 01/04/2026	UNIT
10:00 - 11:00 ²	5.9	5.0	3.7	3.5	5.4	7.4	4.3	ppb
11:00 - 12:00	5.9	5.0	2.9	2.9	5.2	7.4	4.0	ppb
12:00 - 13:00	5.0	4.1	4.3	3.9	6.4	7.0	5.8	ppb
13:00 - 14:00	4.5	4.2	2.8	3.8	4.8	6.3	4.7	ppb
14:00 - 15:00	4.5	4.3	3.8	5.2	4.8	5.5	5.1	ppb
15:00 - 16:00	3.6	4.7	4.3	4.8	7.3	8.4	5.3	ppb
16:00 - 17:00	3.7	2.7	4.0	4.9	9.5	5.7	5.0	ppb
17:00 - 18:00	2.5	3.0	4.6	4.8	6.2	4.4	3.0	ppb
18:00 - 19:00	5.1	3.7	5.0	5.1	5.3	12.2	4.3	ppb
19:00 - 20:00	4.1	4.1	4.8	5.1	5.8	8.3	7.9	ppb
20:00 - 21:00	6.0	5.7	5.6	4.4	6.9	5.0	8.7	ppb
21:00 - 22:00	4.3	4.6	4.3	3.5	5.3	4.9	5.4	ppb
22:00 - 23:00	4.4	4.3	3.6	3.4	4.2	6.0	3.1	ppb
23:00 - 00:00	3.9	3.2	4.3	3.3	4.4	6.8	4.2	ppb
00:00 - 01:00	3.6	3.5	5.2	3.2	3.5	4.7	4.3	ppb
01:00 - 02:00	3.0	3.3	4.7	3.7	3.3	5.2	4.9	ppb
02:00 - 03:00	3.2	3.1	2.9	6.0	4.1	5.3	3.8	ppb
03:00 - 04:00	4.2	3.7	2.8	3.3	4.4	5.3	4.0	ppb
04:00 - 05:00	3.4	3.9	3.4	3.9	4.6	5.5	3.2	ppb
05:00 - 06:00	4.9	3.7	3.2	3.3	3.1	4.8	3.0	ppb
06:00 - 07:00	4.8	3.6	4.4	5.4	4.0	5.0	3.4	ppb
07:00 - 08:00	5.6	4.7	4.9	9.2	7.9	4.9	4.7	ppb
08:00 - 09:00	5.2	6.1	4.6	8.3	11.0	5.3	3.7	ppb
09:00 - 10:00	5.2	4.7	3.1	5.8	9.3	6.2	3.3	ppb
Maximum 1 hr.	6.0	6.1	5.6	9.2	11.0	12.2	8.7	ppb
Average 24 hr.	4.4	4.1	4.0	4.6	5.7	6.2	4.5	ppb
Standard (1 hr.) ¹	120	120	120	120	120	120	120	ppb

REMARK : ¹ Notification of The National Environmental Board on Ambient Air Quality Standards. B.E. 2569 (2026)

² Start Time

* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Suphakorn Noppornpitak)



Approved By (MS. THANATPORN KLINSOPON)

17/04/2026

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Wind Speed & Wind Direction

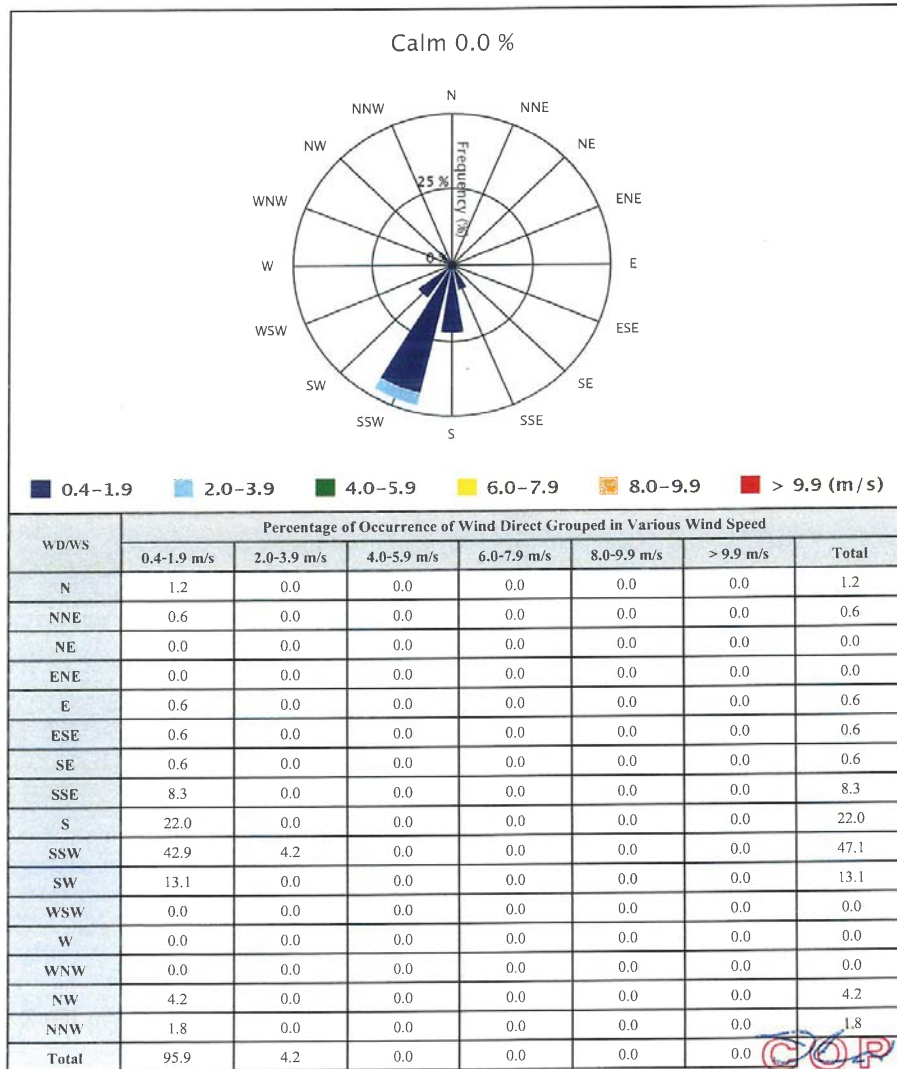
Request No. LA69-R0417

PTT Global Chemical Public Company Limited Branch 16 (EOEG Plant)

Sample No. 07261

Sampling Source : สำนักงานนิคมอุตสาหกรรมดับบลิวเอชเอ ตะวันออก (มาบตาพุด)

Sampling Date : March 25 - April 1, 2026



Wind Speed & Wind Direction

Request No. LA69-R0417

PTT Global Chemical Public Company Limited Branch 16 (EOEG Plant)

Sample No. 07261

Sampling Source : สำนักงานนิคมอุตสาหกรรมดับบลิวเอชเอ ตะวันออก (มาบตาพุด)

Sampling Date : March 25 - April 1, 2026

Time	March 25-26, 2026		March 26-27, 2026		March 27-28, 2026		March 28-29, 2026		March 29-30, 2026		March 30-31, 2026		March 31 - April 1, 2026	
	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction
10:00-11:00	0.4	SSW	0.9	S	1.8	SSW	1.3	SSW	1.3	SW	0.9	SSE	0.9	SSW
11:00-12:00	0.4	SSW	1.3	SSW	1.8	SSW	2.2	SSW	0.9	S	1.3	S	1.3	S
12:00-13:00	0.4	SSW	1.8	SSW	1.3	SSW	2.2	SSW	0.9	SSW	1.3	SSW	1.8	SSW
13:00-14:00	1.3	SSW	1.3	SSW	1.3	SSW	2.2	SSW	1.8	S	1.3	SSW	1.8	SSW
14:00-15:00	1.3	SSW	1.8	SSW	1.8	SSW	1.8	SSW	1.8	S	1.3	SSW	1.8	SSW
15:00-16:00	1.8	SSW	1.8	SSW	1.3	SSW	1.8	SSW	1.8	SSW	1.3	SSW	1.3	SSW
16:00-17:00	2.2	SSW	2.2	SSW	1.3	SSW	1.8	SSW	1.3	S	1.3	SSW	1.3	SSW
17:00-18:00	2.2	SSW	1.8	SSW	1.3	SW	1.8	SSW	1.3	SSW	1.3	S	1.3	SSW
18:00-19:00	2.2	SSW	1.8	SSW	0.9	SW	1.3	SSW	1.8	SSW	1.3	SW	1.3	SSW
19:00-20:00	1.3	SSW	1.3	SSW	1.3	SSW	0.9	SW	1.3	SW	0.9	SW	1.3	SSW
20:00-21:00	0.9	SW	1.3	SSW	0.9	SW	1.3	S	1.3	SSW	0.9	N	0.9	SSW
21:00-22:00	0.4	SW	0.9	SSW	0.9	NW	1.3	S	0.9	SW	0.9	S	0.9	NW
22:00-23:00	0.4	NW	0.9	S	0.9	S	0.9	S	0.9	SW	1.3	S	0.9	N
23:00-00:00	0.9	S	0.9	S	0.9	S	0.9	S	1.3	SSE	1.3	SSE	1.3	S
00:00-01:00	0.9	SSE	0.9	S	0.9	SSE	1.3	S	0.9	S	0.9	SW	1.3	S
01:00-02:00	0.4	NW	1.3	S	1.3	S	0.9	NW	0.4	SW	1.3	SSW	1.3	SSE
02:00-03:00	0.9	SSE	0.9	SSE	0.9	S	0.9	NW	1.8	SSW	1.3	SW	0.9	SW
03:00-04:00	0.9	SW	0.9	S	0.9	S	0.9	SE	0.9	SW	0.9	SW	1.3	SSW
04:00-05:00	0.9	SSW	0.9	SSE	1.3	S	0.9	S	0.9	NNW	1.3	SSW	1.8	SSW
05:00-06:00	0.9	SSW	1.3	S	0.9	NNW	1.3	SSW	0.9	NW	0.9	SSW	1.3	SSW
06:00-07:00	0.4	SW	1.8	SSE	0.9	S	0.9	SSE	1.3	SSE	0.9	SSW	1.3	SSW
07:00-08:00	0.4	SSW	1.3	S	0.9	SSW	0.9	S	1.3	SSE	1.3	S	0.9	SW
08:00-09:00	0.9	SSW	1.3	SW	0.9	SSW	0.9	NNE	0.4	NNW	1.3	S	0.9	SSW
09:00-10:00	0.9	SSW	0.9	SSW	0.9	SSW	0.9	E	0.9	ESE	1.3	SSE	0.9	SSW

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Request No : W6901177

TEST REPORT

Report No : 6901-1004

Customer : PTT Global Chemical Public Company Limited Branch 16
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
Sampling Source : EOEG Plant Sample No. : W 69010623
Sample Name : จุดปล่อยน้ำทิ้งลงท่อรวบรวมน้ำเสียของนิคม WHA Sampling Date : 09/01/2026
Sampling By : ALS Laboratory Group (Thailand) Co.,Ltd. Sampling Time : 2:35 PM
Sampling Method : Grab Received Date : 10/01/2026
Tested Date : 10/01/2026 - 16/01/2026 Reported Date : 19/01/2026

Parameter	Unit	Method	Result	Standard ¹⁾
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	10.0	≤ 500
Chemical Oxygen Demand	mg/L	Closed Reflux,Titrimetric Method (SM:5220C)	80	≤ 750
Chloride	mg/L as Cl ₂	Argentometric Method (SM:4500-Cl- B)	167	-
Formaldehyde	mg/L	Distillation,Colorimetric Method	< 0.50	≤ 1
Oil and Grease	mg/L	Liquid - Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 10
pH (on site)		Electrometric Method	7.2	5.5-9.0
Temperature	°C	Laboratory and Field Method (SM:2550B)	30.3	≤ 45
Total Dissolved Solids	mg/L	Dried at 180 degree celsius (SM:2540C)	832	≤ 3,000
Total Suspended Solids	mg/L	Dried at 103-105 degree celsius (SM:2540 D)	< 5	≤ 200

Physical Apperance : 1. Sample : Wastewater (yellowish, lightly SS)
2. Container : Normal [PE 0.5 L, PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1./1 Notification of Industrial Estate Authority of Thailand 029 / 2567 (2024)
2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
3. Sampling at UTM 47 P 0730729 E 1404613 N



Examined By
(Miss Apiradee Chuen-arom)
19/01/2026

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Request No : W6902178

TEST REPORT

Report No : 6902-0989

Customer : PTT Global Chemical Public Company Limited Branch 16
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
Sampling Source : EOEG Plant Sample No. : W 69020533
Sample Name : จุดปล่อยน้ำทิ้งลงท่อรวบรวมน้ำเสียของนิคม WHA Sampling Date : 06/02/2026
Sampling By : ALS Laboratory Group (Thailand) Co.,Ltd. Sampling Time : --
Sampling Method : Grab Received Date : 07/02/2026
Tested Date : 07/02/2026 - 13/02/2026 Reported Date : 17/02/2026

Parameter	Unit	Method	Result	Standard ¹⁾
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	11.5	≤ 500
Chemical Oxygen Demand	mg/L	Closed Reflux,Titrimetric Method (SM:5220C)	73	≤ 750
Chloride	mg/L as Cl ₂	Argentometric Method (SM:4500-Cl- B)	187	-
Formaldehyde	mg/L	Distillation,Colorimetric Method	< 0.50	≤ 1
Oil and Grease	mg/L	Liquid - Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 10
pH (on site)		Electrometric Method	7.2	5.5-9.0
Temperature	°C	Laboratory and Field Method (SM:2550B)	34.0	≤ 45
Total Dissolved Solids	mg/L	Dried at 180 degree celsius (SM:2540C)	920	≤ 3,000
Total Suspended Solids	mg/L	Dried at 103-105 degree celsius (SM:2540 D)	< 5	≤ 200

Physical Apperance : 1. Sample : Wastewater (yellowish, lightly SS)
2. Container : Normal [PE 0.5 L, PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1./1 Notification of Industrial Estate Authority of Thailand 029 / 2567 (2024)
2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
3. Sampling at UTM 47 P 0730729 E 1404613 N



Examined By
(Miss Apiradee Chuen-arom)
17/02/2026

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Website : http://www.etc1992.com E-mail : info@etc1992.com

Request No : W6903252

TEST REPORT

Report No : 6903-1040

Customer : PTT Global Chemical Public Company Limited Branch 16
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150

Sampling Source : EOEG Plant Sample No. : W 69030795
Sample Name : จุดปล่อยน้ำทิ้งลงท่อรวบรวมน้ำเสียของนิคม WHA Sampling Date : 10/03/2026
Sampling By : ALS Laboratory Group (Thailand) Co.,Ltd. Sampling Time : --
Sampling Method : Grab Received Date : 11/03/2026
Tested Date : 11/03/2026 - 17/03/2026 Reported Date : 19/03/2026

Parameter	Unit	Method	Result	Standard ⁿ
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	9.1	≤ 500
Chemical Oxygen Demand	mg/L	Closed Reflux,Titrimetric Method (SM:5220C)	61	≤ 750
Chloride	mg/L as Cl ₂	Argentometric Method (SM:4500-Cl- B)	169	-
Formaldehyde	mg/L	Distillation,Colorimetric Method	< 0.50	≤ 1
Oil and Grease	mg/L	Liquid - Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 10
pH (at 25 degree celsius)		Electrometric Method (SM:4500 -H +B)	7.3	5.5-9.0
Temperature	°C	Laboratory and Field Method (SM:2550B)	34.8	≤ 45
Total Dissolved Solids	mg/L	Dried at 180 degree celsius (SM:2540C)	720	≤ 3,000
Total Suspended Solids	mg/L	Dried at 103-105 degree celsius (SM:2540 D)	7	≤ 200

Physical Appearance : 1. Sample : Wastewater (yellow, lightly SS)
2. Container : Normal [PE 0.5 L, PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 029 / 2567 (2024)
2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
3. Sampling at UTM 47 P 0730729 E 1404613 N



Examined By
(Miss Apiradee Chuen-arom)

19/03/2026

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Website : http://www.etc1992.com E-mail : info@etc1992.com

Request No : W6904214

TEST REPORT

Report No : 6904-0913

Customer : PTT Global Chemical Public Company Limited Branch 16
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150

Sampling Source : EOEG Plant Sample No. : W 69040679
Sample Name : จุดปล่อยน้ำทิ้งลงท่อรวบรวมน้ำเสียของนิคม WHA Sampling Date : 07/04/2026
Sampling By : ALS Laboratory Group (Thailand) Co.,Ltd. Sampling Time : --
Sampling Method : Grab Received Date : 08/04/2026
Tested Date : 08/04/2026 - 17/04/2026 Reported Date : 17/04/2026

Parameter	Unit	Method	Result	Standard ⁿ
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	4.0	≤ 500
Chemical Oxygen Demand	mg/L	Closed Reflux,Titrimetric Method (SM:5220C)	63	≤ 750
Chloride	mg/L as Cl ₂	Argentometric Method (SM:4500-Cl- B)	71.1	-
Formaldehyde	mg/L	Distillation,Colorimetric Method	< 0.50	≤ 1
Oil and Grease	mg/L	Liquid - Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 10
pH (at 25 degree celsius)		Electrometric Method (SM:4500 -H +B)	7.2	5.5-9.0
Temperature	°C	Laboratory and Field Method (SM:2550B)	34.4	≤ 45
Total Dissolved Solids	mg/L	Dried at 180 degree celsius (SM:2540C)	324	≤ 3,000
Total Suspended Solids	mg/L	Dried at 103-105 degree celsius (SM:2540 D)	12	≤ 200

Physical Appearance : 1. Sample : Wastewater (yellowish, lightly SS)
2. Container : Normal [PE 0.5 L, PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 029 / 2567 (2024)
2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
3. Sampling at UTM 47 P 0730729 E 1404613 N



Examined By
(Miss Jiraporn Pankong)

17/04/2026

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Request No : W6905204

TEST REPORT

Report No : 6905-1097

Customer	:	PIT Global Chemical Public Company Limited Branch 16	Sample No.	:	W 69050631
Address	:	9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150	Sampling Date	:	07/05/2026
Sampling Source	:	EOEG Plant	Sampling Time	:	11:00 AM
Sample Name	:	จุดปล่อยน้ำทิ้งลงท่อรวบรวมน้ำเสียของนิคม WHA	Received Date	:	08/05/2026
Sampling By	:	ALS Laboratory Group (Thailand) Co.,Ltd.	Reported Date	:	18/05/2026
Sampling Method	:	Grab			
Tested Date	:	08/05/2026 – 15/05/2026			
Parameter	Unit	Method	Result	Standard ¹⁾	
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	7.2	≤ 500	
Chemical Oxygen Demand	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	78	≤ 750	
Chloride	mg/L as Cl ₂	Argentometric Method (SM:4500-Cl- B)	184	*	
Formaldehyde	mg/L	Distillation, Colorimetric Method	< 0.50	≤ 1	
Oil and Grease	mg/L	Liquid – Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 10	
pH (at 25 degree celsius)		Electrometric Method (SM:4500 -H +B)	7.4	5.5-9.0	
Temperature	°C	Laboratory and Field Method (SM:2550B)	34.1	≤ 45	
Total Dissolved Solids	mg/L	Dried at 180 degree celsius (SM:2540C)	796	≤ 3,000	
Total Suspended Solids	mg/L	Dried at 103-105 degree celsius (SM:2540 D)	10	≤ 200	

Physical Appearance : 1. Sample : Wastewater (yellowish, lightly SS)
2. Container : Normal [PE 0.5 L, PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 029 / 2567 (2024)
2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
3. Sampling at UTM 47 P 0730729 E 1404613 N



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Examined By (Miss Apiradee Chuen-arom)

18/05/2026

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Request No : W6906334

TEST REPORT

Report No : 6906-1287

Customer	:	PTT Global Chemical Public Company Limited Branch 16	Sample No.	:	W 69060996
Address	:	9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150	Sampling Date	:	10/06/2026
Sampling Source	:	EOEG Plant	Sampling Time	:	2:20 PM
Sample Name	:	จุดปล่อยน้ำทิ้งลงท่อรวบรวมน้ำเสียของนิคม WHA	Received Date	:	12/06/2026
Sampling By	:	ALS Laboratory Group (Thailand) Co.,Ltd.	Reported Date	:	22/06/2026
Sampling Method	:	Grab			
Tested Date	:	12/06/2026 – 19/06/2026			
Parameter	Unit	Method	Result	Standard ¹⁾	
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	7.0	≤ 500	
Chemical Oxygen Demand	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	61	≤ 750	
Chloride	mg/L as Cl ₂	Argentometric Method (SM:4500-Cl- B)	195	*	
Formaldehyde	mg/L	Distillation, Colorimetric Method	< 0.50	≤ 1	
Oil and Grease	mg/L	Liquid – Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 10	
pH (at 25 degree celsius)		Electrometric Method (SM:4500 -H +B)	7.5	5.5-9.0	
Temperature	°C	Laboratory and Field Method (SM:2550B)	35.7	≤ 45	
Total Dissolved Solids	mg/L	Dried at 180 degree celsius (SM:2540C)	836	≤ 3,000	
Total Suspended Solids	mg/L	Dried at 103-105 degree celsius (SM:2540 D)	9	≤ 200	

Physical Appearance : 1. Sample : Wastewater (yellowish, lightly SS)
2. Container : Normal [PE 0.5 L, PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 029 / 2567 (2024)
2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
3. Sampling at UTM 47 P 0730729 E 1404613 N



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Examined By (Miss Apiradee Chuen-arom)

22/06/2026

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Request No : W6905156

Report No : 6905-1096

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 16**
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**

Sampling Source : EOEG Plant** Sample No. : W 69050486
Sample Name : จุดปล่อยน้ำทิ้งจากโรงบำบัดน้ำเสีย ##** Sampling Date : 06/05/2026**
Sampling By : ETC** Sampling Time : 9:45 AM**
Sampling Method : Grab** Received Date : 07/05/2026
Tested Date : 07/05/2026 - 15/05/2026 Reported Date : 18/05/2026

Parameter	Unit	Method	Result	Standard ¹⁾
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	0.093	≤ 0.25
Barium @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.16	≤ 1
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	7.9	≤ 500
Cadmium @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.03
Chemical Oxygen Demand #	mg/L	Closed Reflux,Titrimetric Method (SM:5220C)	60	≤ 750
Color (Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤ 600
Color (pH 7.0) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤ 600

Physical Apperance : 1. Sample : Wastewater (lightly SS, nonsmelling)
2. Container : Normal [PE 0.5 L [3 Bottle], PE 1.0 L, PE 1.8 L, G 0.25 L]

Remark : 1./1 Notification of Industrial Estate Authority of Thailand 029 / 2567 (2024)
2. @ = ISO/IEC 17025:2017 Accredited by TISI, # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharek Phatklang (7-003-ท-0031)*
5. ** = These data are non laboratory data. / Sampling at UTM 47 P 0730729 E 1404613 N
6. ## จุดปล่อยน้ำทิ้งจากโรงบำบัดน้ำเสียของนิคมอุตสาหกรรม คับฉิมพลีตะวันออก (มาบตาพุด)

Examined By : (Miss Apiradee Chuen-arom)
(7-003-ท-0007)
18/05/2026



Approved By : (Miss Nunnaphat Bakhuntod)
(7-003-ท-0005)
18/05/2026

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Request No : W6905156

Report No : 6905-1096

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 16**
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**

Sampling Source : EOEG Plant** Sample No. : W 69050486
Sample Name : จุดปล่อยน้ำทิ้งจากโรงบำบัดน้ำเสีย ##** Sampling Date : 06/05/2026**
Sampling By : ETC** Sampling Time : 9:45 AM**
Sampling Method : Grab** Received Date : 07/05/2026
Tested Date : 07/05/2026 - 15/05/2026 Reported Date : 18/05/2026

Parameter	Unit	Method	Result	Standard ¹⁾
Copper @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.08	≤ 2
Cyanide *	mg/L as HCN	Distillation,Colorimetric Method (SM:4500 CN- C, E)	< 0.020	≤ 0.2
Formaldehyde *	mg/L	Distillation,Colorimetric Method	< 0.50	≤ 1
Free Chlorine *	mg/L	DPD Colorimetric Method (SM:4500-Cl G)	< 0.05	≤ 1
Hexavalent Chromium *	mg/L as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500-Cr B)	< 0.050	≤ 0.25
Lead @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.2
Manganese @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.22	≤ 5
Mercury #	mg/L	Digestion, Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.005

Physical Apperance : 1. Sample : Wastewater (lightly SS, nonsmelling)
2. Container : Normal [PE 0.5 L [3 Bottle], PE 1.0 L, PE 1.8 L, G 0.25 L]

Remark : 1./1 Notification of Industrial Estate Authority of Thailand 029 / 2567 (2024)
2. @ = ISO/IEC 17025:2017 Accredited by TISI, # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharek Phatklang (7-003-ท-0031)*
5. ** = These data are non laboratory data. / Sampling at UTM 47 P 0730729 E 1404613 N
6. ## จุดปล่อยน้ำทิ้งจากโรงบำบัดน้ำเสียของนิคมอุตสาหกรรม คับฉิมพลีตะวันออก (มาบตาพุด)

Examined By : (Miss Apiradee Chuen-arom)
(7-003-ท-0007)
18/05/2026



Approved By : (Miss Nunnaphat Bakhuntod)
(7-003-ท-0005)
18/05/2026

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Request No : W6905156

Report No : 6905-1096

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 16**
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phu), Pakorn Songkhraorat Road, Tambon Map Ta Phu,
Amphur Muang Rayong, Rayong 21150**
Sampling Source : EOEG Plant** Sample No. : W 69050486
Sample Name : จุดปล่อยน้ำทิ้งลงที่รวบรวมน้ำเสีย ##** Sampling Date : 06/05/2026**
Sampling By : ETC** Sampling Time : 9:45 AM**
Sampling Method : Grab** Received Date : 07/05/2026
Tested Date : 07/05/2026 - 15/05/2026 Reported Date : 18/05/2026

Parameter	Unit	Method	Result	Standard ¹
Nickel [@]	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 1
Oil and Grease [@]	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 10
pH (on site) *		Electrometric Method	7.7	5.5-9.0
Phenol *	mg/L	Distillation, Direct Photometric Method (SM:5530B,D)	0.013	≤ 1
Selenium *	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	< 0.0020	≤ 0.02
Sulfide *	mg/L as H ₂ S	ZnS Precipitation, Iodometric Method (SM:4500 -S2- F)	0.87	≤ 1
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	34	≤ 45
Total Dissolved Solids [#]	mg/L	Dried at 180 degrees celsius (SM:2540C)	808	≤ 3000
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	12	≤ 100

Physical Appearance : 1. Sample : Wastewater (lightly SS, nonsmelling)
2. Container : Normal [PE 0.5 L [3 Bottle], PE 1.0 L, PE 1.8 L, G 0.25 L]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 029 / 2567 (2024)
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang (1-003-ก-0031)*
5. ** = These data are non laboratory data. / Sampling at UTM 47 P 0730729 E 1404613 N
6. ## จุดปล่อยน้ำทิ้งลงที่รวบรวมน้ำเสียของนิคมอุตสาหกรรม คับบิลวเอชเอ ตะวันออก (มาบตาพุด)

Examined By 
(Miss Apiradee Chuen-arom)
(1-003-ก-0007)
18/05/2026

Approved By 
(Miss Nunnaphat Bakhuntod)
(1-003-ก-0005)
18/05/2026

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Request No : W6905156

Report No : 6905-1096

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 16**
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phu), Pakorn Songkhraorat Road, Tambon Map Ta Phu,
Amphur Muang Rayong, Rayong 21150**
Sampling Source : EOEG Plant** Sample No. : W 69050486
Sample Name : จุดปล่อยน้ำทิ้งลงที่รวบรวมน้ำเสีย ##** Sampling Date : 06/05/2026**
Sampling By : ETC** Sampling Time : 9:45 AM**
Sampling Method : Grab** Received Date : 07/05/2026
Tested Date : 07/05/2026 - 15/05/2026 Reported Date : 18/05/2026

Parameter	Unit	Method	Result	Standard ¹
Total Suspended Solids [#]	mg/L	Dried at 103-105 degree celsius (SM:2540D)	10	≤ 200
Trivalent Chromium *	mg/L as Cr ³⁺	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	≤ 0.75
Zinc [@]	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	1.31	≤ 5

Physical Appearance : 1. Sample : Wastewater (lightly SS, nonsmelling)
2. Container : Normal [PE 0.5 L [3 Bottle], PE 1.0 L, PE 1.8 L, G 0.25 L]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 029 / 2567 (2024)
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang (1-003-ก-0031)*
5. ** = These data are non laboratory data. / Sampling at UTM 47 P 0730729 E 1404613 N
6. ## จุดปล่อยน้ำทิ้งลงที่รวบรวมน้ำเสียของนิคมอุตสาหกรรม คับบิลวเอชเอ ตะวันออก (มาบตาพุด)

Examined By 
(Miss Apiradee Chuen-arom)
(1-003-ก-0007)
18/05/2026

Approved By 
(Miss Nunnaphat Bakhuntod)
(1-003-ก-0005)
18/05/2026

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Request No : W6905156

Report No : 6905-1096

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 16**
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**
Sampling Source : EOEG Plant** Sample No. : W 69050486
Sample Name : จุดปล่อยน้ำทิ้งลงท่อรวบรวมน้ำเสีย ###** Sampling Date : 06/05/2026**
Sampling By : ETC** Sampling Time : 9:45 AM**
Sampling Method : Grab** Received Date : 07/05/2026
Tested Date : 07/05/2026 - 15/05/2026 Reported Date : 18/05/2026

Parameter	Unit	Method	Result	Standard ¹⁾
Chloride [#]	mg/L as Cl ₂	Argentometric Method (SM:4500-Cl- B)	177	-
Fluoride [#]	mg/L	Ion-Selective Electrode Method (SM:4500 -F- C)	1.01	≤ 5
Iron [@]	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.74	≤ 10
Silver [@]	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.05	≤ 1
Surfactants (LAS) *	mg/L as MBAS	Anionic Surfactants as MBAS Method (SM:5540C)	< 0.40	≤ 30

Physical Apperance : 1. Sample : Wastewater (lightly SS, nonsmelling)
2. Container : Normal [PE 0.5 L [3 Bottle], PE 1.0 L, PE 1.8 L, G 0.25 L]

- Remark : 1./1 Notification of Industrial Estate Authority of Thailand 029 / 2567 (2024)
2. Parameter Outside The Scope of The Registration of Department of Industrial Works
3. @ = ISO/IEC 17025:2017 Accredited by TISI, # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
4. Miss Nunnaphat Bakhuntod is Technical Management.
5. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang *
6. ** = These data are non laboratory data. / Sampling at UTM 47 P 0730729 E 1404613 N
7. ## จุดปล่อยน้ำทิ้งลงท่อรวบรวมน้ำเสียของนิคมอุตสาหกรรม ดับบลิวเอชเอ ตะวันออก (มาบตาพุด)



(Miss Nunnaphat Bakhuntod)

18/05/2026

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Tel. 0-3848-1197, 0-3876-3031-2 Fax : 0-3848-2095
Website : http://www.etc1992.com E-mail : info@etc1992.com

Request No : W6905156

Report No : 6905-1096

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 16
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
Sampling Source : EOEG Plant Sample No. : W 69050486
Sample Name : จุดปล่อยน้ำทิ้งลงท่อรวบรวมน้ำเสีย ## Sampling Date : 06/05/2026
Sampling By : ETC Sampling Time : 9:45 AM
Sampling Method : Grab Received Date : 07/05/2026
Tested Date : 07/05/2026 - 15/05/2026 Reported Date : 18/05/2026

Parameter	Unit	Method	Method Detection Limit	Result	Standard ¹⁾
Organochlorine Pesticides					
alpha-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	0.020	Not Detected	****
beta-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	0.030	Not Detected	****
gamma-BHC (Lindane)	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	0.030	Not Detected	****
delta-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	0.030	Not Detected	****
Heptachlor	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	0.030	Not Detected	****
Aldrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	0.030	Not Detected	****
Heptachlor epoxide (isomer B)	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	0.030	Not Detected	****
trans-Chlordane	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	0.030	Not Detected	****
Endosulfan I	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	0.030	Not Detected	****
cis-Chlordane	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	0.030	Not Detected	****
Dieldrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	0.030	Not Detected	****
4,4'-DDE	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	0.030	Not Detected	****
Endrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	0.050	Not Detected	****
Endosulfan II	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	0.030	Not Detected	****
4,4'-DDD	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	0.030	Not Detected	****
Endrin aldehyde	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	0.030	Not Detected	****
Endosulfan sulfate	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	0.030	Not Detected	****
4,4'-DDT	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	0.030	Not Detected	****
Endrin Ketone	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	0.030	Not Detected	****
Methoxychlor	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	0.030	Not Detected	****

Physical Apperance : 1. Sample : Wastewater (lightly SS, nonsmelling)
2. Container : Normal [PE 0.5 L [3 Bottle], PE 1.0 L, PE 1.8 L, G 0.25 L]

- Remark : 1./1 Notification of Industrial Estate Authority of Thailand 029 / 2567 (2024)
2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
3.*** ต้องตรวจไม่พบตามวิธีการตรวจสอบที่กำหนด
4. Sampling By Mr. Supharerk Phatklang (7-003-n-0030) / Sampling at UTM 47 P 0730729 E 1404613 N
5. ## จุดปล่อยน้ำทิ้งลงท่อรวบรวมน้ำเสียของนิคมอุตสาหกรรม ดับบลิวเอชเอ ตะวันออก (มาบตาพุด)

Examined By : (Miss Apiradee Chuen-arom)
(7-003-n-0007)
18/05/2026



Approved By : (Miss Nunnaphat Bakhuntod)
(7-003-n-0005)
18/05/2026

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TEL. (662) 959-3600 FAX (662) 959-3535 Website : secot.co.th E-mail : envserv@secot.co.th

GROUND WATER ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. REQUEST SERVICE No. : 0909/69
(Branch 16)
SAMPLING BY : SECOT Co., Ltd. REGISTRATION No. : 2-239
SAMPLING DATE : 26/05/2026 SAMPLING METHOD : Pneumatic Bladder Pump
RECEIVED DATE : 27/05/2026 SAMPLING TIME : 14:08-14:32
ANALYTICAL DATE : 27/05/2026-04/06/2026 SITE OPERATOR : Mr. Jeerawat Khotamhan
REPORT DATE : 09/06/2026 FILE CODE : 2-239-0-0025
SAMPLE CONDITION : ใส่น้ำเค็มปน

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION	STANDARD ¹⁾
				MW-01	
Arsenic (As)	mg/l	3114 C	< 0.0001	0.0079	≤ 0.1
Beryllium (Be)	mg/l	3120 B	< 0.005	ND	≤ 0.01
Cadmium (Cd)	mg/l	3120 B	< 0.001	< 0.01	≤ 2.0
Chromium (Cr)	mg/l	3120 B	< 0.001	< 0.01	≤ 6.0
Chromium Hexavalent (Cr ⁶⁺)	mg/l	3500-Cr B	< 0.01	0.02	≤ 6.0
Copper (Cu)	mg/l	3120 B	< 0.001	ND	*
Iron (Fe)	mg/l	3120 B	< 0.004	43.20	*
Lead (Pb)	mg/l	3120 B	< 0.008	< 0.03	≤ 4.0
Manganese (Mn)	mg/l	3120 B	< 0.001	0.14	≤ 33
Mercury (Hg)	mg/l	3112 B	< 0.0001	ND	≤ 0.7
Nickel (Ni)	mg/l	3120 B	< 0.002	< 0.01	≤ 5.0
Selenium (Se)	mg/l	3114 C	< 0.0005	ND	≤ 12
Vanadium (V)	mg/l	3120 B	< 0.01	ND	≤ 17

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER, 19th ed. 2012, AWWA, APHA, WEF

Jutarat Jaemruen
(Miss Jutarat Jaemruen)

Analyst

REG. NO. 2-239-0-0022

Khemchuda Insorn
(Miss Khemchuda Insorn)

Technical Management Team

REG. NO. 2-239-0-0005

- Remark :**
1. Reported analysis refers to submitted sample only.
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 3. ¹⁾ Notification of the Ministry of Industry, B.E.2559 (2016) : Criteria on contamination in soil and groundwater, the examination of soil groundwater quality, information including making the report of the result of soil and groundwater quality examination.
 4. - Not available.

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TEL. (662) 959-3600 FAX (662) 959-3535 Website : secot.co.th E-mail : envserv@secot.co.th

GROUND WATER ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. REQUEST SERVICE No. : 0909/69
(Branch 16)
SAMPLING BY : SECOT Co., Ltd. REGISTRATION No. : *
SAMPLING DATE : 26/05/2026 SAMPLING METHOD : Pneumatic Bladder Pump
RECEIVED DATE : 27/05/2026 SAMPLING TIME : 14:08-14:32
ANALYTICAL DATE : 27/05/2025-02/06/2026 SITE OPERATOR : Mr. Jeerawat Khotamhan
REPORT DATE : 09/06/2026 FILE CODE : *
SAMPLE CONDITION : ใส่น้ำเค็มปน

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION	STANDARD
				MW-01	
Boron (B)	mg/l	3120 B	< 0.01	0.02	*
Cobalt (Co)	mg/l	3120 B	< 0.01	ND	*
Titanium (Ti)	mg/l	3120 B	< 0.01	ND	*

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER, 19th ed. 2012, AWWA, APHA, WEF

Jutarat Jaemruen
(Miss Jutarat Jaemruen)

Analyst

Khemchuda Insorn
(Miss Khemchuda Insorn)

Technical Management Team

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GROUND WATER ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd.
(Branch 16)
REQUEST SERVICE No. : 0909/69
SAMPLING BY : SECOT Co., Ltd.
REGISTRATION No. : 7-239
SAMPLING DATE : 26/05/2026
SAMPLING METHOD : Pneumatic Bladder Pump
RECEIVED DATE : 27/05/2026
SAMPLING TIME : 14:08-14:32
ANALYTICAL DATE : 27-28/05/2026
SITE OPERATOR : Mr. Jeerawat Khothamhan
REPORT DATE : 09/06/2026
SITE OPERATOR : 7-239-9-0025
SAMPLE CONDITION : ใสไม่มีตะกอน
FILE CODE : 226041_GW_May

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION MW-01	STANDARD ^{1/}
Benzene	mg/l	6200 B	< 0.0002	ND	≤ 0.2
Carbon tetrachloride	mg/l	6200 B	< 0.0002	ND	≤ 0.4
1,2-Dichloroethane	mg/l	6200 B	< 0.0002	ND	≤ 0.5
Dichloromethane	mg/l	6200 B	< 0.0002	ND	≤ 6.0
1,1-Dichloroethylene	mg/l	6200 B	< 0.0002	ND	≤ 0.1
cis-1,2-Dichloroethylene	mg/l	6200 B	< 0.0002	0.0095	≤ 2.0
trans-1,2-Dichloroethylene	mg/l	6200 B	< 0.0002	ND	≤ 5.0
Ethylbenzene	mg/l	6200 B	< 0.0002	ND	≤ 2.0
Styrene	mg/l	6200 B	< 0.0002	ND	≤ 24
Tetrachloroethylene	mg/l	6200 B	< 0.0002	ND	≤ 0.9
Toluene	mg/l	6200 B	< 0.0002	ND	≤ 5.0
1,2,4-Trichlorobenzene	mg/l	6200 B	< 0.0002	ND	≤ 24
1,1,1-Trichloroethane	mg/l	6200 B	< 0.0002	ND	≤ 0.2
1,1,2-Trichloroethane	mg/l	6200 B	< 0.0002	ND	≤ 0.8
Trichloroethylene	mg/l	6200 B	< 0.0002	ND	≤ 4.4
m-Xylene	mg/l	6200 B	< 0.0002	ND	≤ 24
o-Xylene	mg/l	6200 B	< 0.0002	ND	≤ 24
p-Xylene	mg/l	6200 B	< 0.0002	ND	≤ 24
Total Xylenes	mg/l	6200 B	< 0.0006	ND	≤ 24
Vinyl Chloride	mg/l	6200 B	< 0.0005	ND	≤ 0.03

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER, 19th EDITION, WAPDA, 2005

Jularat Jaemruen
(Miss Jularat Jaemruen)

Analyst

REG. NO. 7-239-9-0022

Khemchuda Insom
(Miss Khemchuda Insom)

Technical Management Team

REG. NO. 7-239-9-0005

- Remark : 1. Reported analysis refers to submitted sample only.
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3. ^{1/} Notification of the Ministry of Industry, B.E.2559 (2016).

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TEL. (662) 959-3600 FAX (662) 959-3535 Website : secot.co.th E-mail : envserv@secot.co.th

GROUND WATER ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd.
(Branch 16)
REQUEST SERVICE No. : 0909/69
SAMPLING BY : SECOT Co., Ltd.
REGISTRATION No. : 7-239
SAMPLING DATE : 26/05/2026
SAMPLING METHOD : Pneumatic Bladder Pump
RECEIVED DATE : 27/05/2026
SAMPLING TIME : 14:08-14:32
ANALYTICAL DATE : 04/06/2026
SITE OPERATOR : Mr. Jeerawat Khothamhan
REPORT DATE : 09/06/2026
SITE OPERATOR : 7-239-9-0025
SAMPLE CONDITION : ใสไม่มีตะกอน
FILE CODE : 226041_GW_May

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION MW-01	STANDARD ^{1/}
Total Petroleum Hydrocarbons					
- TPH (C ₁₀ -C ₁₆)	mg/l	3510 C / 8015 D	< 0.025	ND	≤ 1.7
- n-Nonane					
- n-Decane					
- n-Dodecane					
- n-Tetradecane					
- n-Hexadecane					

REFERENCE : US EPA SW-846 TEST METHODS FOR EVALUATING WATER AND SOLID WASTE, 1st ED., 2004

Sudaporn S.
(Miss Sudaporn Soonthorn)

Analyst

REG. NO. 7-239-9-0001

Khemchuda Insom
(Miss Khemchuda Insom)

Technical Management Team

REG. NO. 7-239-9-0005

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GROUND WATER ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. REQUEST SERVICE No. : 0909/69
(Branch 16)
SAMPLING BY : SECOT Co., Ltd. REGISTRATION No. : 7-239
SAMPLING DATE : 26/05/2026 SAMPLING METHOD : Pneumatic Bladder Pump
RECEIVED DATE : 27/05/2026 SAMPLING TIME : 15:00-15:21
ANALYTICAL DATE : 27/05/2026-04/06/2026 SITE OPERATOR : Mr. Jeerawat Khotamhan
REPORT DATE : 09/06/2026
SAMPLE CONDITION : ใส่น้ำตะกอน FILE CODE : 226041_GW_May

PARAMETER	UNIT	ANALYSIS METHODS	ND	STATION	STANDARD ^{1/}
			(non-detectable)	MW-05	
Arsenic (As)	mg/l	3114 C	< 0.0001	0.0010	≤ 0.1
Beryllium (Be)	mg/l	3120 B	< 0.005	ND	≤ 0.01
Cadmium (Cd)	mg/l	3120 B	< 0.001	ND	≤ 2.0
Chromium (Cr)	mg/l	3120 B	< 0.001	< 0.01	≤ 6.0
Chromium Hexavalent (Cr ⁶⁺)	mg/l	3500-Cr B	< 0.01	ND	≤ 6.0
Copper (Cu)	mg/l	3120 B	< 0.001	ND	-
Iron (Fe)	mg/l	3120 B	< 0.004	46.11	-
Lead (Pb)	mg/l	3120 B	< 0.008	ND	≤ 4.0
Manganese (Mn)	mg/l	3120 B	< 0.001	0.20	≤ 33
Mercury (Hg)	mg/l	3112 B	< 0.0001	ND	≤ 0.7
Nickel (Ni)	mg/l	3120 B	< 0.002	0.01	≤ 5.0
Selenium (Se)	mg/l	3114 C	< 0.0005	ND	≤ 12
Vanadium (V)	mg/l	3120 B	< 0.01	ND	≤ 17

REFERENCE STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 2nd ED. 2012 (AWWA APHA WEF)

Jutarat Jaemruen
(Miss Jutarat Jaemruen)

Analyst

REG. NO. 7-239-R-0022

Khemchuda Insom
(Miss Khemchuda Insom)

Technical Management Team

REG. NO. 7-239-R-0005

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4. - Not available.

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GROUND WATER ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. REQUEST SERVICE No. : 0909/69
(Branch 16)
SAMPLING BY : SECOT Co., Ltd. REGISTRATION No. : -
SAMPLING DATE : 26/05/2026 SAMPLING METHOD : Pneumatic Bladder Pump
RECEIVED DATE : 27/05/2026 SAMPLING TIME : 15:00-15:21
ANALYTICAL DATE : 27/05/2025-02/06/2026 SITE OPERATOR : Mr. Jeerawat Khotamhan
REPORT DATE : 09/06/2026
SAMPLE CONDITION : ใส่น้ำตะกอน FILE CODE : 226041_GW_May

PARAMETER	UNIT	ANALYSIS METHODS	ND	STATION	STANDARD ^{1/}
			(non-detectable)	MW-05	
Boron (B)	mg/l	3120 B	< 0.01	ND	-
Cobalt (Co)	mg/l	3120 B	< 0.01	ND	-
Titanium (Ti)	mg/l	3120 B	< 0.01	ND	-

REFERENCE STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 2nd ED. 2012 (AWWA APHA WEF)

Jutarat Jaemruen
(Miss Jutarat Jaemruen)

Analyst

Khemchuda Insom
(Mrs. Araya Tipparuk)

Technical Management Team

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GROUND WATER ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd.
(Branch 16)
REQUEST SERVICE No. : 0909/69
SAMPLING BY : SECOT Co., Ltd.
SAMPLING DATE : 26/05/2026
RECEIVED DATE : 27/05/2026
ANALYTICAL DATE : 27-28/05/2026
REPORT DATE : 09/06/2026
SAMPLE CONDITION : ใสไม่มีตะกอน
REGISTRATION No. : 7-239
SAMPLING METHOD : Pneumatic Bladder Pump
SAMPLING TIME : 15:00-15:21
SITE OPERATOR : Mr. Jeerawat Khothamhan
FILE CODE : 226041_GW_May

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION MW-05	STANDARD ^{1/}
Benzene	mg/l	6200 B	< 0.0002	ND	≤ 0.2
Carbon tetrachloride	mg/l	6200 B	< 0.0002	ND	≤ 0.4
1,2-Dichloroethane	mg/l	6200 B	< 0.0002	ND	≤ 0.5
Dichloromethane	mg/l	6200 B	< 0.0002	ND	≤ 6.0
1,1-Dichloroethylene	mg/l	6200 B	< 0.0002	ND	≤ 0.1
cis-1,2-Dichloroethylene	mg/l	6200 B	< 0.0002	ND	≤ 2.0
trans-1,2-Dichloroethylene	mg/l	6200 B	< 0.0002	ND	≤ 5.0
Ethylbenzene	mg/l	6200 B	< 0.0002	ND	≤ 2.0
Styrene	mg/l	6200 B	< 0.0002	ND	≤ 24
Tetrachloroethylene	mg/l	6200 B	< 0.0002	ND	≤ 0.9
Toluene	mg/l	6200 B	< 0.0002	ND	≤ 5.0
1,2,4-Trichlorobenzene	mg/l	6200 B	< 0.0002	ND	≤ 24
1,1,1-Trichloroethane	mg/l	6200 B	< 0.0002	ND	≤ 0.2
1,1,2-Trichloroethane	mg/l	6200 B	< 0.0002	ND	≤ 0.8
Trichloroethylene	mg/l	6200 B	< 0.0002	ND	≤ 4.4
m-Xylene	mg/l	6200 B	< 0.0002	ND	≤ 24
o-Xylene	mg/l	6200 B	< 0.0002	ND	≤ 24
p-Xylene	mg/l	6200 B	< 0.0002	ND	≤ 24
Total Xylenes	mg/l	6200 B	< 0.0006	ND	≤ 24
Vinyl Chloride	mg/l	6200 B	< 0.0005	ND	≤ 0.03

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTE WATER 19th EDITION (2011) LAMWA AP02-0052

Jutarat Jaemruen
(Miss Jutarat Jaemruen)

Analyst
REG. NO. 7-239-9-0022

Khemchuda Insorn
(Miss Khemchuda Insorn)

Technical Management Team
REG. NO. 7-239-9-0005

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GROUND WATER ANALYSIS REPORT

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(Branch 16)
REQUEST SERVICE No. : 0909/69
SAMPLING BY : SECOT Co., Ltd.
SAMPLING DATE : 26/05/2026
RECEIVED DATE : 27/05/2026
ANALYTICAL DATE : 04/06/2026
REPORT DATE : 09/06/2026
SAMPLE CONDITION : ใสไม่มีตะกอน
REGISTRATION No. : 7-239
SAMPLING METHOD : Pneumatic Bladder Pump
SAMPLING TIME : 15:00-15:21
SITE OPERATOR : Mr. Jeerawat Khothamhan
FILE CODE : 226041_GW_May

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION MW-05	STANDARD ^{1/}
Total Petroleum Hydrocarbons					
- TPH (C ₁₀ -C ₂₆)	mg/l	3510 C / 8015 D	< 0.025	ND	≤ 1.7
- n-Nonane					
- n-Decane					
- n-Dodecane					
- n-Tetradecane					
- n-Hexadecane					

REFERENCE : U.S. EPA 816-845 TEST METHODS FOR EVALUATING WATER AND SOLID WASTE 1st EDITION 2003

Sudaporn S.

(Miss Sudaporn Soonthorn)

Analyst

REG. NO. 7-239-9-0001

Khemchuda Insorn

(Miss Khemchuda Insorn)

Technical Management Team

REG. NO. 7-239-9-0005

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GROUND WATER ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. REQUEST SERVICE No. : 0909/69
(Branch 16)
SAMPLING BY : SECOT Co., Ltd. REGISTRATION No. : 7-239
SAMPLING DATE : 26/05/2026 SAMPLING METHOD : Pneumatic Bladder Pump
RECEIVED DATE : 27/05/2026 SAMPLING TIME : 10:48-11:02
ANALYTICAL DATE : 27/05/2025-02/06/2026 SITE OPERATOR : Mr. Jeerawat Khothamhan
REPORT DATE : 09/06/2026 FILE CODE : 7-239-9-0025
SAMPLE CONDITION : ใส่มืดๆก่อน

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION MW-06	STANDARD ¹⁾
Arsenic (As)	mg/l	3114 C	< 0.0001	0.0071	≤ 0.1
Beryllium (Be)	mg/l	3120 B	< 0.005	ND	≤ 0.01
Cadmium (Cd)	mg/l	3120 B	< 0.001	ND	≤ 2.0
Chromium (Cr)	mg/l	3120 B	< 0.001	< 0.01	≤ 6.0
Chromium Hexavalent (Cr ⁶⁺)	mg/l	3500-Cr B	< 0.01	ND	≤ 6.0
Copper (Cu)	mg/l	3120 B	< 0.001	ND	*
Iron (Fe)	mg/l	3120 B	< 0.004	27.25	*
Lead (Pb)	mg/l	3120 B	< 0.008	< 0.03	≤ 4.0
Manganese (Mn)	mg/l	3120 B	< 0.001	0.23	≤ 33
Mercury (Hg)	mg/l	3112 B	< 0.0001	ND	≤ 0.7
Nickel (Ni)	mg/l	3120 B	< 0.002	< 0.01	≤ 5.0
Selenium (Se)	mg/l	3114 C	< 0.0005	ND	≤ 12
Vanadium (V)	mg/l	3120 B	< 0.01	ND	≤ 17

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 24th ED. 2012 (AWWA APHA WEF)

Jutarat Jaemruen
(Miss Jutarat Jaemruen)

Analyst

REG. NO. 7-239-9-0022

Khemchuda Insorn
(Miss Khemchuda Insorn)

Technical Management Team

REG. NO. 7-239-9-0005

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GROUND WATER ANALYSIS REPORT

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SAMPLING DATE : 26/05/2026 SAMPLING METHOD : Pneumatic Bladder Pump
RECEIVED DATE : 27/05/2026 SAMPLING TIME : 10:48-11:02
ANALYTICAL DATE : 27/05/2025-02/06/2026 SITE OPERATOR : Mr. Jeerawat Khothamhan
REPORT DATE : 09/06/2026 FILE CODE : 7-239-9-0025
SAMPLE CONDITION : ใส่มืดๆก่อน

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION MW-06	STANDARD
Boron (B)	mg/l	3120 B	< 0.01	0.03	*
Cobalt (Co)	mg/l	3120 B	< 0.01	ND	*
Titanium (Ti)	mg/l	3120 B	< 0.01	ND	*

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 24th ED. 2012 (AWWA APHA WEF)

Jutarat Jaemruen
(Miss Jutarat Jaemruen)

Analyst

Khemchuda Insorn
(Miss Khemchuda Insorn)

Technical Management Team

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REQUEST SERVICE No. : 0909/69
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REGISTRATION No. : 7-239
SAMPLING DATE : 26/05/2026
SAMPLING METHOD : Pneumatic Bladder Pump
RECEIVED DATE : 27/05/2026
SAMPLING TIME : 10:48-11:02
ANALYTICAL DATE : 27-28/05/2026
SITE OPERATOR : Mr. Jeerawat Khothamhan
REPORT DATE : 09/06/2026
FILE CODE : 7-239-9-0025
SAMPLE CONDITION : ใสมีตะกอน

PARAMETER	UNIT	ANALYSIS METHODS	ND	STATION	STANDARD ¹⁾
			(non-detectable)	MW-06	
Benzene	mg/l	6200 B	< 0.0002	ND	< 0.2
Carbon tetrachloride	mg/l	6200 B	< 0.0002	ND	< 0.4
1,2-Dichloroethane	mg/l	6200 B	< 0.0002	ND	< 0.5
Dichloromethane	mg/l	6200 B	< 0.0002	ND	< 6.0
1,1-Dichloroethylene	mg/l	6200 B	< 0.0002	ND	< 0.1
cis-1,2-Dichloroethylene	mg/l	6200 B	< 0.0002	ND	< 2.0
trans-1,2-Dichloroethylene	mg/l	6200 B	< 0.0002	ND	< 5.0
Ethylbenzene	mg/l	6200 B	< 0.0002	ND	< 2.0
Styrene	mg/l	6200 B	< 0.0002	ND	< 24
Tetrachloroethylene	mg/l	6200 B	< 0.0002	ND	< 0.9
Toluene	mg/l	6200 B	< 0.0002	ND	< 5.0
1,2,4-Trichlorobenzene	mg/l	6200 B	< 0.0002	ND	< 24
1,1,1-Trichloroethane	mg/l	6200 B	< 0.0002	ND	< 0.2
1,1,2-Trichloroethane	mg/l	6200 B	< 0.0002	ND	< 0.8
Trichloroethylene	mg/l	6200 B	< 0.0002	ND	< 4.4
m-Xylene	mg/l	6200 B	< 0.0002	ND	< 24
o-Xylene	mg/l	6200 B	< 0.0002	ND	< 24
p-Xylene	mg/l	6200 B	< 0.0002	ND	< 24
Total Xylenes	mg/l	6200 B	< 0.0006	NT	< 24
Vinyl Chloride	mg/l	6200 B	< 0.0005	ND	< 0.03

REFERENCE STANDARD METHODS FOR EXAMINATION OF WATER AND WASTE WATER 24TH EDITION (2017)

Jutarat Jaemruen
(Miss Jutarat Jaemruen)

Analyst

REG. NO. 7-239-9-0022

Khemchuda Insom
(Miss Khemchuda Insom)

Technical Management Team

REG. NO. 7-239-9-0005

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GROUND WATER ANALYSIS REPORT

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(Branch 16)
REQUEST SERVICE No. : 0909/69
SAMPLING BY : SECOT Co., Ltd.
REGISTRATION No. : 7-239
SAMPLING DATE : 26/05/2026
SAMPLING METHOD : Pneumatic Bladder Pump
RECEIVED DATE : 27/05/2026
SAMPLING TIME : 10:48-11:02
ANALYTICAL DATE : 04/06/2026
SITE OPERATOR : Mr. Jeerawat Khothamhan
REPORT DATE : 09/06/2026
FILE CODE : 7-239-9-0025
SAMPLE CONDITION : ใสมีตะกอน

PARAMETER	UNIT	ANALYSIS METHODS	ND	STATION	STANDARD ¹
			(non-detectable)	MW-06	
Total Petroleum Hydrocarbons					
- TPH (C ₉ - C ₁₀)	mg/l	3510 C / 8015 D	< 0.025	0.046	≤ 1.7
- n-Nonane					
- n-Decane					
- n-Dodecane					
- n-Tetradecane					
- n-Hexadecane					

REFERENCE : U.S. EPA SW-846 TEST METHODS FOR EVALUATING WATER AND SOLID WASTE, 1ST ED., 2020

Sudaporn S.
(Miss Sudaporn Soonthorn)

Analyst

REG. NO. 7-239-9-0001

Khemchuda Insom
(Miss Khemchuda Insom)

Technical Management Team

REG. NO. 7-239-9-0005

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GROUND WATER ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. REQUEST SERVICE No. : 0909/69
(Branch 16)
SAMPLING BY : SECOT Co., Ltd. REGISTRATION No. : 7-239
SAMPLING DATE : 26/05/2026 SAMPLING METHOD : Pneumatic Bladder Pump
RECEIVED DATE : 27/05/2026 SAMPLING TIME : 09:53-10:18
ANALYTICAL DATE : 27/05/2026-04/06/2026 SITE OPERATOR : Mr. Jeerawat Khothamhan
REPORT DATE : 09/06/2026
SAMPLE CONDITION : ใสมีตะกอน FILE CODE : 226041_GW_May

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION	STANDARD ^{1/}
				MW-07	
Arsenic (As)	mg/l	3114 C	< 0.0001	0.0038	≤ 0.1
Beryllium (Be)	mg/l	3120 B	< 0.005	ND	≤ 0.01
Cadmium (Cd)	mg/l	3120 B	< 0.001	ND	≤ 2.0
Chromium (Cr)	mg/l	3120 B	< 0.001	< 0.01	≤ 6.0
Chromium Hexavalent (Cr ⁶⁺)	mg/l	3500-Cr B	< 0.01	0.01	≤ 6.0
Copper (Cu)	mg/l	3120 B	< 0.001	< 0.02	-
Iron (Fe)	mg/l	3120 B	< 0.004	2.16	-
Lead (Pb)	mg/l	3120 B	< 0.008	0.05	≤ 4.0
Manganese (Mn)	mg/l	3120 B	< 0.001	0.17	≤ 33
Mercury (Hg)	mg/l	3112 B	< 0.0001	ND	≤ 0.7
Nickel (Ni)	mg/l	3120 B	< 0.002	ND	≤ 5.0
Selenium (Se)	mg/l	3114 C	< 0.0005	ND	≤ 12
Vanadium (V)	mg/l	3120 B	< 0.01	ND	≤ 17

REFERENCE STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 24th ED. 2021 (AWWA.APHA.WEF)

Jutarat Jaemruen
(Miss Jutarat Jaemruen)

Analyst

REG. NO. 7-239-R-0022

Khemchuda Insorn
(Miss Khemchuda Insorn)

Technical Management Team

REG. NO. 7-239-R-0005

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TEL. (662) 959-3600 FAX (662) 959-3535 Website : secot.co.th E-mail : envserv@secot.co.th

GROUND WATER ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. REQUEST SERVICE No. : 0909/69
(Branch 16)
SAMPLING BY : SECOT Co., Ltd. REGISTRATION No. : -
SAMPLING DATE : 26/05/2026 SAMPLING METHOD : Pneumatic Bladder Pump
RECEIVED DATE : 27/05/2026 SAMPLING TIME : 09:53-10:18
ANALYTICAL DATE : 27/05/2026-02/06/2026 SITE OPERATOR : Mr. Jeerawat Khothamhan
REPORT DATE : 09/06/2026
SAMPLE CONDITION : ใสมีตะกอน FILE CODE : 226041_GW_May

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION	STANDARD
				MW-07	
Boron (B)	mg/l	3120 B	< 0.01	0.03	-
Cobalt (Co)	mg/l	3120 B	< 0.01	ND	-
Titanium (Ti)	mg/l	3120 B	< 0.01	ND	-

REFERENCE STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 24th ED. 2021 (AWWA.APHA.WEF)

Jutarat Jaemruen
(Miss Jutarat Jaemruen)

Analyst

Khemchuda Insorn
(Miss Khemchuda Insorn)

Technical Management Team

- Remark : 1. Reported analysis refers to submitted sample only.
2. This report shall not be reproduced, except in full, without official approval.
3. - Not available.

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SECOT CO., LTD.

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GROUND WATER ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd.
(Branch 16)
REQUEST SERVICE No. : 0909/69
SAMPLING BY : SECOT Co., Ltd.
SAMPLING DATE : 26/05/2026
RECEIVED DATE : 27/05/2026
ANALYTICAL DATE : 27-28/05/2026
REPORT DATE : 09/06/2026
SAMPLE CONDITION : ใสมีตะกอน
REGISTRATION No. : 7-239
SAMPLING METHOD : Pneumatic Bladder Pump
SAMPLING TIME : 09:53-10:18
SITE OPERATOR : Mr. Jeerawat Khothamhan
FILE CODE : 226041_GW_May

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION MW-07	STANDARD ^{1/}
Benzene	mg/l	6200 B	< 0.0002	ND	≤ 0.2
Carbon tetrachloride	mg/l	6200 B	< 0.0002	ND	≤ 0.4
1,2-Dichloroethane	mg/l	6200 B	< 0.0002	ND	≤ 0.5
Dichloromethane	mg/l	6200 B	< 0.0002	ND	≤ 6.0
1,1-Dichloroethylene	mg/l	6200 B	< 0.0002	ND	≤ 0.1
cis-1,2-Dichloroethylene	mg/l	6200 B	< 0.0002	ND	≤ 2.0
trans-1,2-Dichloroethylene	mg/l	6200 B	< 0.0002	ND	≤ 5.0
Ethylbenzene	mg/l	6200 B	< 0.0002	ND	≤ 2.0
Styrene	mg/l	6200 B	< 0.0002	ND	≤ 24
Tetrachloroethylene	mg/l	6200 B	< 0.0002	ND	≤ 0.9
Toluene	mg/l	6200 B	< 0.0002	ND	≤ 5.0
1,2,4-Trichlorobenzene	mg/l	6200 B	< 0.0002	ND	≤ 24
1,1,1-Trichloroethane	mg/l	6200 B	< 0.0002	ND	≤ 0.2
1,1,2-Trichloroethane	mg/l	6200 B	< 0.0002	ND	≤ 0.8
Trichloroethylene	mg/l	6200 B	< 0.0002	ND	≤ 4.4
m-Xylene	mg/l	6200 B	< 0.0002	ND	≤ 24
o-Xylene	mg/l	6200 B	< 0.0002	ND	≤ 24
p-Xylene	mg/l	6200 B	< 0.0002	ND	≤ 24
Total Xylenes	mg/l	6200 B	< 0.0006	ND	≤ 24
Vinyl Chloride	mg/l	6200 B	< 0.0005	ND	< 0.03

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER, 19th ED., 2022, A.P.H. PUBLISHING

Jutarat Jaemuen
(Miss Jutarat Jaemuen)

Analyst

REG. NO. 7-239-0-0022

Khemchuda Insom

(Miss Khemchuda Insom)

Technical Management Team

REG. NO. 7-239-0-0005

Remark : 1. Reported analysis refers to submitted sample only.

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3. ^{1/} Notification of the Ministry of Industry, B.E.2559 (2016) : Criteria on contamination in soil and groundwater, the examination of soil and groundwater quality, information including making the report of the result of soil and groundwater quality examination.

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GROUND WATER ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd.
(Branch 16)
ANALYTICAL DATE : 0909/69
SAMPLING BY : SECOT Co., Ltd.
SAMPLING DATE : 26/05/2026
RECEIVED DATE : 27/05/2026
ANALYTICAL DATE : 04/06/2026
REPORT DATE : 09/06/2026
SAMPLE CONDITION : ใสมีตะกอน
REGISTRATION No. : 7-239
SAMPLING METHOD : Pneumatic Bladder Pump
SAMPLING TIME : 09:53-10:18
SITE OPERATOR : Mr. Jeerawat Khothamhan
FILE CODE : 226041_GW_May

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION MW-07	STANDARD ^{1/}
Total Petroleum Hydrocarbons					
- TPH (C ₈ -C ₁₆)	mg/l	3510 C / 8015 D	< 0.025	ND	≤ 1.7
- n-Nonane					
- n-Decane					
- n-Dodecane					
- n-Tetradecane					
- n-Hexadecane					

REFERENCE : U.S. EPA SW-846 TEST METHODS FOR EVALUATING WATER AND SOLID WASTE, 1st ED., 2020.

Sudaporn S.
(Miss Sudaporn Soonthorn)

Analyst

REG. NO. 7-239-9-0001

Khemchuda Insom

(Miss Khemchuda Insom)

Technical Management Team

REG. NO. 7-239-0-0005

Remark : 1. Reported analysis refers to submitted sample only.

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NSC-TISI-TIS 17025

TESTING 1712

Request No. LA69-R0417

Report No. R6904-0423

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16**
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhroarat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**
SAMPLE SOURCE : EOG Plant**
SAMPLE POINT : บริเวณบริเวณด้านทิศเหนือ**
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , $L_{eq}^{1/3}$ & $L_{eq}^{1/2}$
DETERMINATION METHOD : ISO 1996-1:2016#
INSTRUMENT : Integrated Sound Level Meter
S/N 01120944 : Class 1

TIME \ DATE	25-26/03/2026 (L_{eq})	25-26/03/2026 (L_{max})	25-26/03/2026 ($L_{eq}^{1/3}$)	UNIT
10:00 - 11:00 ¹⁾	59.4	73.1	56.6	dB(A)
11:00 - 12:00	59.9	87.7	54.7	dB(A)
12:00 - 13:00	56.6	72.7	54.4	dB(A)
13:00 - 14:00	61.0	74.9	57.4	dB(A)
14:00 - 15:00	59.9	71.1	57.3	dB(A)
15:00 - 16:00	58.7	71.1	56.1	dB(A)
16:00 - 17:00	58.3	73.8	55.2	dB(A)
17:00 - 18:00	58.1	69.6	55.2	dB(A)
18:00 - 19:00	58.8	70.4	56.9	dB(A)
19:00 - 20:00	56.7	72.2	54.8	dB(A)
20:00 - 21:00	55.8	68.4	54.7	dB(A)
21:00 - 22:00	55.4	65.5	54.3	dB(A)
22:00 - 23:00	55.1	65.7	54.2	dB(A)
23:00 - 00:00	55.0	65.1	54.0	dB(A)
00:00 - 01:00	55.4	69.0	54.4	dB(A)
01:00 - 02:00	55.1	65.2	54.2	dB(A)
02:00 - 03:00	55.3	73.5	54.2	dB(A)
03:00 - 04:00	55.3	65.8	54.3	dB(A)
04:00 - 05:00	55.1	67.8	54.2	dB(A)
05:00 - 06:00	55.8	66.7	54.3	dB(A)
06:00 - 07:00	57.6	78.8	54.9	dB(A)
07:00 - 08:00	59.1	72.6	55.6	dB(A)
08:00 - 09:00	62.6	74.7	58.0	dB(A)
09:00 - 10:00	59.5	74.6	55.6	dB(A)
L_{eq} 24 hr.	58.1	-	-	dB(A)
$L_{eq}^{1/3}$	62.7	-	-	dB(A)
Maximum	-	87.7	-	dB(A)
Standard	70 ^{1),2)}	115 ^{1),2)}	-	dB(A)

REMARK : * Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory
ISO 1996-1:2016, Notification of The Department of Industrial Works on Methods for Measuring Noise Annoyance, Noise Level 24-Hour Average and Maximum Noise Level From Factory B.E. 2567 (2024), Dated February 21, 2024, Notification of The National Environmental Board Volume 15 B.E. 2540 (1997) on The General Noise Level Standards, Dated April 3, 1997, Notification of The Pollution Control Department on The Calculation of The Noise Level, Dated November 25, 1997

¹⁾ Notification of The National Environmental Board Volume 15 B.E. 2540 (1997)

²⁾ Notification of Ministry of the Industry B.E. 2548 (2005)

³⁾ Start Time

* Parameter Outside The Scope of The Registration of The Department of Industrial Works.
(Ms. Thanaporn Klinsonop is Section Head, Mrs. Wanpen Lhaochindawat is Technical Management)
(Measurement By Mr. Suphakorn Noppornpiak)

** These Data are Non Laboratory Data



Approved By (MRS. WANPEN LHAOCHINDAWAT)

17/04/2026

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NSC-TISI-TIS 17025

TESTING 1712

Request No. LA69-R0417

Report No. R6904-0424

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16**
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhroarat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**
SAMPLE SOURCE : EOG Plant**
SAMPLE POINT : บริเวณบริเวณด้านทิศเหนือ**
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , $L_{eq}^{1/3}$ & $L_{eq}^{1/2}$
DETERMINATION METHOD : ISO 1996-1:2016#
INSTRUMENT : Integrated Sound Level Meter
S/N 01120944 : Class 1

TIME \ DATE	26-27/03/2026 (L_{eq})	26-27/03/2026 (L_{max})	26-27/03/2026 ($L_{eq}^{1/3}$)	UNIT
10:00 - 11:00 ¹⁾	65.1	78.1	59.3	dB(A)
11:00 - 12:00	63.2	80.0	56.2	dB(A)
12:00 - 13:00	56.1	66.9	54.2	dB(A)
13:00 - 14:00	64.5	78.5	57.0	dB(A)
14:00 - 15:00	59.0	74.8	55.7	dB(A)
15:00 - 16:00	57.5	77.4	55.1	dB(A)
16:00 - 17:00	57.4	70.7	54.8	dB(A)
17:00 - 18:00	57.4	72.3	55.0	dB(A)
18:00 - 19:00	58.2	76.7	55.2	dB(A)
19:00 - 20:00	56.6	71.6	54.7	dB(A)
20:00 - 21:00	55.9	67.6	54.5	dB(A)
21:00 - 22:00	55.4	72.1	54.3	dB(A)
22:00 - 23:00	55.6	74.8	54.1	dB(A)
23:00 - 00:00	54.6	64.5	53.9	dB(A)
00:00 - 01:00	55.1	64.8	54.1	dB(A)
01:00 - 02:00	56.2	70.7	53.9	dB(A)
02:00 - 03:00	54.7	66.2	53.9	dB(A)
03:00 - 04:00	55.0	68.9	54.2	dB(A)
04:00 - 05:00	55.3	64.4	54.5	dB(A)
05:00 - 06:00	56.0	67.5	54.9	dB(A)
06:00 - 07:00	58.2	74.9	55.4	dB(A)
07:00 - 08:00	59.7	75.2	56.0	dB(A)
08:00 - 09:00	68.0	84.7	57.6	dB(A)
09:00 - 10:00	68.1	82.7	58.0	dB(A)
L_{eq} 24 hr.	61.0	-	-	dB(A)
$L_{eq}^{1/3}$	64.0	-	-	dB(A)
Maximum	-	84.7	-	dB(A)
Standard	70 ^{1),2)}	115 ^{1),2)}	-	dB(A)

REMARK : * Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory
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¹⁾ Notification of The National Environmental Board Volume 15 B.E. 2540 (1997)

²⁾ Notification of Ministry of the Industry B.E. 2548 (2005)

³⁾ Start Time

* Parameter Outside The Scope of The Registration of The Department of Industrial Works.
(Ms. Thanaporn Klinsonop is Section Head, Mrs. Wanpen Lhaochindawat is Technical Management)
(Measurement By Mr. Suphakorn Noppornpiak)

** These Data are Non Laboratory Data



Approved By (MRS. WANPEN LHAOCHINDAWAT)

17/04/2026

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NSC-TISI-TIS 17025

TESTING 1712

Request No. LA69-R0417

Report No. R6904-0425

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16**
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorad Road, Tambon Map Ta Phut,
Amphur Muang Rayong, Rayong 21150**
SAMPLE SOURCE : EOG Plant**
SAMPLE POINT : บริเวณรั้วด้านทิศเหนือ**
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{50} #
DETERMINATION METHOD : ISO 1996-1:2016##
INSTRUMENT : Integrated Sound Level Meter
S/N 01120944 : Class I

TIME \ DATE	27-28/03/2026 (L_{eq})	27-28/03/2026 (L_{max})	27-28/03/2026 (L_{90})#	UNIT
10:00 - 11:00 ³	58.8	74.8	55.4	dB(A)
11:00 - 12:00	59.1	71.2	55.9	dB(A)
12:00 - 13:00	56.7	75.3	54.2	dB(A)
13:00 - 14:00	56.8	73.3	54.4	dB(A)
14:00 - 15:00	56.5	68.9	54.6	dB(A)
15:00 - 16:00	56.7	67.6	54.7	dB(A)
16:00 - 17:00	57.5	75.4	55.0	dB(A)
17:00 - 18:00	57.7	77.7	55.1	dB(A)
18:00 - 19:00	57.5	73.7	55.3	dB(A)
19:00 - 20:00	56.5	71.7	54.5	dB(A)
20:00 - 21:00	55.5	67.9	54.2	dB(A)
21:00 - 22:00	55.1	65.6	54.0	dB(A)
22:00 - 23:00	54.8	65.9	53.8	dB(A)
23:00 - 00:00	55.3	65.3	54.2	dB(A)
00:00 - 01:00	55.0	65.4	54.0	dB(A)
01:00 - 02:00	55.2	69.0	54.1	dB(A)
02:00 - 03:00	54.8	62.9	54.1	dB(A)
03:00 - 04:00	55.1	64.6	54.3	dB(A)
04:00 - 05:00	55.1	64.5	54.0	dB(A)
05:00 - 06:00	55.4	69.6	54.1	dB(A)
06:00 - 07:00	57.4	78.7	54.6	dB(A)
07:00 - 08:00	58.3	77.0	55.0	dB(A)
08:00 - 09:00	57.2	74.7	54.8	dB(A)
09:00 - 10:00	58.1	84.9	54.5	dB(A)
L_{eq} 24 hr.	56.7	-	-	dB(A)
L_{90} #	62.2	-	-	dB(A)
Maximum	-	84.9	-	dB(A)
Standard	70 ^{1,2}	115 ^{1,2}	-	dB(A)

REMARK : * Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory
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¹ Notification of The National Environmental Board Volume 15 B.E. 2540 (1997)

² Notification of Ministry of the Industry B.E. 2548 (2005)

³ Start Time

* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Ms. Thanaporn Klinsoon is Section Head, Mrs. Wanpen Lhaochindawat is Technical Management)
(Measurement By Mr. Suphakorn Noppornpitak)

** These Data are Non Laboratory Data



Approved By

(MRS. WANPEN LHAOCHINDAWAT)

17/04/2026

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NSC-TISI-TIS 17025

TESTING 1712

Request No. LA69-R0417

Report No. R6904-0426

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16**
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorad Road, Tambon Map Ta Phut,
Amphur Muang Rayong, Rayong 21150**
SAMPLE SOURCE : EOG Plant**
SAMPLE POINT : บริเวณรั้วด้านทิศเหนือ**
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{50} #
DETERMINATION METHOD : ISO 1996-1:2016##
INSTRUMENT : Integrated Sound Level Meter
S/N 01120944 : Class I

TIME \ DATE	28-29/03/2026 (L_{eq})	28-29/03/2026 (L_{max})	28-29/03/2026 (L_{90})#	UNIT
10:00 - 11:00 ³	57.2	74.0	54.7	dB(A)
11:00 - 12:00	56.5	74.0	54.4	dB(A)
12:00 - 13:00	55.8	67.8	54.1	dB(A)
13:00 - 14:00	56.9	73.8	54.5	dB(A)
14:00 - 15:00	56.3	71.6	54.3	dB(A)
15:00 - 16:00	56.2	68.7	54.5	dB(A)
16:00 - 17:00	56.9	76.4	54.8	dB(A)
17:00 - 18:00	56.5	70.9	54.9	dB(A)
18:00 - 19:00	58.1	77.8	55.6	dB(A)
19:00 - 20:00	56.1	72.2	54.4	dB(A)
20:00 - 21:00	55.6	71.1	54.5	dB(A)
21:00 - 22:00	55.6	70.9	54.6	dB(A)
22:00 - 23:00	55.6	67.2	54.8	dB(A)
23:00 - 00:00	55.2	65.2	54.4	dB(A)
00:00 - 01:00	55.3	67.4	54.5	dB(A)
01:00 - 02:00	55.4	69.9	54.3	dB(A)
02:00 - 03:00	55.4	59.0	54.7	dB(A)
03:00 - 04:00	55.3	77.9	54.3	dB(A)
04:00 - 05:00	54.8	65.1	54.0	dB(A)
05:00 - 06:00	55.7	63.9	54.6	dB(A)
06:00 - 07:00	56.9	74.5	54.8	dB(A)
07:00 - 08:00	57.3	80.9	54.8	dB(A)
08:00 - 09:00	56.0	71.5	54.8	dB(A)
09:00 - 10:00	55.9	70.4	54.2	dB(A)
L_{eq} 24 hr.	56.2	-	-	dB(A)
L_{90} #	62.1	-	-	dB(A)
Maximum	-	80.9	-	dB(A)
Standard	70 ^{1,2}	115 ^{1,2}	-	dB(A)

REMARK : * Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory
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³ Start Time

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(Ms. Thanaporn Klinsoon is Section Head, Mrs. Wanpen Lhaochindawat is Technical Management)
(Measurement By Mr. Suphakorn Noppornpitak)

** These Data are Non Laboratory Data



Approved By

(MRS. WANPEN LHAOCHINDAWAT)

17/04/2026

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Page 1/1

FM-LAB-036/01-08-47



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Tel. 0-3848-1197-8, 0-3876-3031-2 Fax : 0-3848-2095 E-mail : marketing@etc1992.com



NSC-TISI-TIS 17025
TESTING 1712
Request No. LA69-R0417
Report No. R6904-0427

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16**
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**
SAMPLE SOURCE : EOE Plant**
SAMPLE POINT : บริเวณรั้วด้านทิศเหนือ**
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{50} #
DETERMINATION METHOD : ISO 1996-1:2016##
INSTRUMENT : Integrated Sound Level Meter
S/N 01120944 : Class I

TIME \ DATE	29-30/03/2026 (L_{eq})	29-30/03/2026 (L_{max})	29-30/03/2026 (L_{90})#	UNIT
10:00 - 11:00 ³	56.0	73.2	54.4	dB(A)
11:00 - 12:00	56.3	73.4	54.7	dB(A)
12:00 - 13:00	55.7	70.9	54.3	dB(A)
13:00 - 14:00	55.7	66.8	54.3	dB(A)
14:00 - 15:00	56.1	70.8	54.3	dB(A)
15:00 - 16:00	55.4	67.9	54.2	dB(A)
16:00 - 17:00	55.5	71.4	54.1	dB(A)
17:00 - 18:00	55.7	67.4	54.2	dB(A)
18:00 - 19:00	57.5	73.5	55.4	dB(A)
19:00 - 20:00	55.8	72.7	54.2	dB(A)
20:00 - 21:00	55.4	68.7	54.4	dB(A)
21:00 - 22:00	55.2	64.6	54.3	dB(A)
22:00 - 23:00	55.3	68.6	54.2	dB(A)
23:00 - 00:00	55.0	64.2	54.0	dB(A)
00:00 - 01:00	55.0	65.4	54.1	dB(A)
01:00 - 02:00	54.8	64.4	53.9	dB(A)
02:00 - 03:00	54.7	71.7	53.6	dB(A)
03:00 - 04:00	54.7	66.7	53.8	dB(A)
04:00 - 05:00	55.1	64.2	54.0	dB(A)
05:00 - 06:00	56.1	69.8	54.7	dB(A)
06:00 - 07:00	57.9	74.7	55.0	dB(A)
07:00 - 08:00	59.5	84.7	55.7	dB(A)
08:00 - 09:00	56.7	70.8	54.8	dB(A)
09:00 - 10:00	58.1	79.2	55.0	dB(A)
L_{eq} 24 hr.	56.1	-	-	dB(A)
L_{50} #	62.1	-	-	dB(A)
Maximum	-	84.7	-	dB(A)
Standard	70 ^{1/2}	115 ^{1/2}	-	dB(A)

REMARK : * Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory
** ISO 1996-1:2016, Notification of The Department of Industrial Works on Methods for Measuring Noise Annoyance, Noise Level 24-Hour Average and Maximum Noise Level From Factory B.E. 2567 (2024), Dated February 21, 2024, Notification of The National Environmental Board Volume 15 B.E. 2540 (1997) on The General Noise Level Standards, Dated April 3, 1997, Notification of The Pollution Control Department on The Calculation of The Noise Level, Dated November 25, 1997

^{1/1} Notification of The National Environmental Board Volume 15 B.E. 2540 (1997)

^{1/2} Notification of Ministry of the Industry B.E. 2548 (2005)

^{1/3} Start Time

* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Ms. Thanatporn Klinsoon is Section Head, Mrs. Wanpen Lhaochindawat is Technical Management)
(Measurement By Mr. Suphakorn Noppornpitak)

** These Data are Non Laboratory Data



Approved By: (MRS. WANPEN LHAOCHINDAWAT)

17/04/2026

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NSC-TISI-TIS 17025
TESTING 1712
Request No. LA69-R0417
Report No. R6904-0428

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16**
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**
SAMPLE SOURCE : EOE Plant**
SAMPLE POINT : บริเวณรั้วด้านทิศเหนือ**
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{50} #
DETERMINATION METHOD : ISO 1996-1:2016##
INSTRUMENT : Integrated Sound Level Meter
S/N 01120944 : Class I

TIME \ DATE	30-31/03/2026 (L_{eq})	30-31/03/2026 (L_{max})	30-31/03/2026 (L_{90})#	UNIT
10:00 - 11:00 ³	58.4	80.5	55.1	dB(A)
11:00 - 12:00	57.9	78.2	54.8	dB(A)
12:00 - 13:00	56.4	71.3	54.2	dB(A)
13:00 - 14:00	57.2	73.3	54.8	dB(A)
14:00 - 15:00	57.3	73.6	54.8	dB(A)
15:00 - 16:00	57.2	73.4	54.7	dB(A)
16:00 - 17:00	57.8	78.1	54.8	dB(A)
17:00 - 18:00	57.1	72.7	54.7	dB(A)
18:00 - 19:00	58.4	74.9	55.7	dB(A)
19:00 - 20:00	57.2	79.4	54.7	dB(A)
20:00 - 21:00	55.6	65.7	54.6	dB(A)
21:00 - 22:00	55.6	65.5	54.5	dB(A)
22:00 - 23:00	55.3	64.3	54.5	dB(A)
23:00 - 00:00	55.5	69.1	54.6	dB(A)
00:00 - 01:00	55.4	67.8	54.6	dB(A)
01:00 - 02:00	55.2	65.0	54.5	dB(A)
02:00 - 03:00	55.3	63.6	54.6	dB(A)
03:00 - 04:00	55.2	65.5	54.5	dB(A)
04:00 - 05:00	55.3	65.1	54.4	dB(A)
05:00 - 06:00	56.0	71.1	54.8	dB(A)
06:00 - 07:00	58.6	80.8	55.4	dB(A)
07:00 - 08:00	59.9	79.2	55.7	dB(A)
08:00 - 09:00	57.6	80.9	54.7	dB(A)
09:00 - 10:00	57.9	73.8	55.4	dB(A)
L_{eq} 24 hr.	57.0	-	-	dB(A)
L_{50} #	62.6	-	-	dB(A)
Maximum	-	80.9	-	dB(A)
Standard	70 ^{1/2}	115 ^{1/2}	-	dB(A)

REMARK : * Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory
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^{1/3} Start Time

* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Ms. Thanatporn Klinsoon is Section Head, Mrs. Wanpen Lhaochindawat is Technical Management)
(Measurement By Mr. Suphakorn Noppornpitak)

** These Data are Non Laboratory Data



Approved By: (MRS. WANPEN LHAOCHINDAWAT)

17/04/2026

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NSC-TISI-TIS 17025
TESTING 1712
Request No. LA69-R0417
Report No. R6904-0429

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16**
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**
SAMPLE SOURCE : EOG Plant**
SAMPLE POINT : บริเวณริมรั้วด้านทิศเหนือ**
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , $L_{90\%}$ & $L_{50\%}$
DETERMINATION METHOD : ISO 1996-1:2016##
INSTRUMENT : Integrated Sound Level Meter
S/N 01120944 : Class I

SAMPLE NO. : 07260
MEASURING DATE : 31/03/2026-01/04/2026
RECEIVED DATE : 01/04/2026
REPORTED DATE : 17/04/2026

TIME \ DATE	31/03/2026-01/04/2026 (L_{eq})	31/03/2026-01/04/2026 (L_{max})	31/03/2026-01/04/2026 ($L_{90\%}$)	UNIT
10:00 - 11:00 ¹⁾	57.9	71.7	55.5	dB(A)
11:00 - 12:00	58.6	78.7	56.0	dB(A)
12:00 - 13:00	57.6	76.5	55.4	dB(A)
13:00 - 14:00	57.6	67.3	55.7	dB(A)
14:00 - 15:00	58.0	77.4	55.5	dB(A)
15:00 - 16:00	57.8	83.4	55.5	dB(A)
16:00 - 17:00	58.9	77.7	56.3	dB(A)
17:00 - 18:00	58.6	69.5	56.4	dB(A)
18:00 - 19:00	59.0	71.0	56.7	dB(A)
19:00 - 20:00	58.5	70.4	56.5	dB(A)
20:00 - 21:00	57.1	68.3	55.6	dB(A)
21:00 - 22:00	57.2	71.9	55.6	dB(A)
22:00 - 23:00	57.1	67.4	55.6	dB(A)
23:00 - 00:00	57.3	68.1	55.7	dB(A)
00:00 - 01:00	56.1	66.4	54.9	dB(A)
01:00 - 02:00	55.8	63.9	54.8	dB(A)
02:00 - 03:00	55.7	66.5	54.7	dB(A)
03:00 - 04:00	55.6	64.0	54.7	dB(A)
04:00 - 05:00	55.8	67.5	54.8	dB(A)
05:00 - 06:00	56.3	69.1	54.9	dB(A)
06:00 - 07:00	58.6	74.8	55.7	dB(A)
07:00 - 08:00	59.6	77.8	56.2	dB(A)
08:00 - 09:00	58.1	72.5	55.6	dB(A)
09:00 - 10:00	56.8	74.9	54.5	dB(A)
L_{eq} 24 hr.	57.6	-	-	dB(A)
$L_{90\%}$	63.3	-	-	dB(A)
Maximum	-	83.4	-	dB(A)
Standard	70 ^{1),2)}	115 ^{1),2)}	-	dB(A)

REMARK : * Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory
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2) Notification of Ministry of the Industry B.E. 2548 (2005)
3) Start Time
* Parameter Outside The Scope of The Registration of The Department of Industrial Works.
(Ms. Thanaporn Klinsonop is Section Head, Mrs. Wanpen Lhaochindawat is Technical Management)
(Measurement By Mr. Suphakorn Noppornpiak)
** These Data are Non Laboratory Data



Approved By: (MRS. WANPEN LHAOCHINDAWAT)
17/04/2026

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด
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NSC-TISI-TIS 17025
TESTING 1712
Request No. LA69-R0417
Report No. R6904-0416

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16**
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**
SAMPLE SOURCE : EOG Plant**
SAMPLE POINT : บริเวณริมรั้วด้านทิศใต้**
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , $L_{90\%}$ & $L_{50\%}$
DETERMINATION METHOD : ISO 1996-1:2016##
INSTRUMENT : Integrated Sound Level Meter
S/N 01120945 : Class I

SAMPLE NO. : 07247
MEASURING DATE : 25-26/03/2026
RECEIVED DATE : 01/04/2026
REPORTED DATE : 17/04/2026

TIME \ DATE	25-26/03/2026 (L_{eq})	25-26/03/2026 (L_{max})	25-26/03/2026 ($L_{90\%}$)	UNIT
10:00 - 11:00 ¹⁾	66.2	92.7	62.0	dB(A)
11:00 - 12:00	67.6	88.3	62.1	dB(A)
12:00 - 13:00	63.5	86.3	60.7	dB(A)
13:00 - 14:00	65.2	83.3	61.9	dB(A)
14:00 - 15:00	66.4	97.4	63.2	dB(A)
15:00 - 16:00	65.0	81.9	62.4	dB(A)
16:00 - 17:00	63.2	79.0	61.5	dB(A)
17:00 - 18:00	64.8	91.1	62.0	dB(A)
18:00 - 19:00	64.5	87.3	62.0	dB(A)
19:00 - 20:00	64.9	85.3	61.8	dB(A)
20:00 - 21:00	66.2	85.7	64.6	dB(A)
21:00 - 22:00	63.1	87.8	61.3	dB(A)
22:00 - 23:00	62.6	80.8	61.0	dB(A)
23:00 - 00:00	64.3	89.3	62.5	dB(A)
00:00 - 01:00	63.8	87.0	61.8	dB(A)
01:00 - 02:00	63.8	88.2	61.3	dB(A)
02:00 - 03:00	62.4	85.6	60.4	dB(A)
03:00 - 04:00	63.0	91.5	60.7	dB(A)
04:00 - 05:00	63.0	86.6	61.4	dB(A)
05:00 - 06:00	65.1	81.6	63.0	dB(A)
06:00 - 07:00	63.8	85.1	61.5	dB(A)
07:00 - 08:00	63.2	82.0	60.8	dB(A)
08:00 - 09:00	64.8	83.4	61.8	dB(A)
09:00 - 10:00	66.2	84.4	63.0	dB(A)
L_{eq} 24 hr.	64.7	-	-	dB(A)
$L_{90\%}$	70.3	-	-	dB(A)
Maximum	-	97.4	-	dB(A)
Standard	70 ^{1),2)}	115 ^{1),2)}	-	dB(A)

REMARK : * Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory
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1) Notification of The National Environmental Board Volume 15 B.E. 2540 (1997)
2) Notification of Ministry of the Industry B.E. 2548 (2005)
3) Start Time
* Parameter Outside The Scope of The Registration of The Department of Industrial Works.
(Ms. Thanaporn Klinsonop is Section Head, Mrs. Wanpen Lhaochindawat is Technical Management)
(Measurement By Mr. Suphakorn Noppornpiak)
** These Data are Non Laboratory Data



Approved By: (MRS. WANPEN LHAOCHINDAWAT)
17/04/2026

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด
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NSC-TISI-TIS 17025
TESTING 1712
Request No. LA69-R0417
Report No. R6904-0417

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16**
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**
SAMPLE SOURCE : EOE Plant**
SAMPLE POINT : บริเวณริมรั้วด้านทิศใต้**
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{50} #
DETERMINATION METHOD : ISO 1996-1:2016##
INSTRUMENT : Integrated Sound Level Meter
S/N 01120945 : Class I

TIME \ DATE	26-27/03/2026 (L_{eq})	26-27/03/2026 (L_{max})	26-27/03/2026 (L_{90})#	UNIT
10:00 - 11:00 ³	65.3	87.9	61.2	dB(A)
11:00 - 12:00	65.1	90.1	61.1	dB(A)
12:00 - 13:00	63.9	85.8	62.4	dB(A)
13:00 - 14:00	64.4	83.9	61.8	dB(A)
14:00 - 15:00	65.9	89.1	61.8	dB(A)
15:00 - 16:00	65.6	90.4	62.2	dB(A)
16:00 - 17:00	65.2	88.7	63.0	dB(A)
17:00 - 18:00	64.8	86.3	61.0	dB(A)
18:00 - 19:00	65.0	85.2	61.5	dB(A)
19:00 - 20:00	64.9	88.3	62.7	dB(A)
20:00 - 21:00	64.7	85.0	61.9	dB(A)
21:00 - 22:00	64.7	93.3	61.4	dB(A)
22:00 - 23:00	64.9	88.3	62.9	dB(A)
23:00 - 00:00	64.7	79.4	63.5	dB(A)
00:00 - 01:00	65.1	90.2	62.7	dB(A)
01:00 - 02:00	66.2	90.0	61.9	dB(A)
02:00 - 03:00	63.5	90.8	61.6	dB(A)
03:00 - 04:00	63.5	87.4	61.1	dB(A)
04:00 - 05:00	62.9	86.5	61.7	dB(A)
05:00 - 06:00	64.5	87.0	61.8	dB(A)
06:00 - 07:00	64.7	83.0	61.3	dB(A)
07:00 - 08:00	63.4	84.6	61.2	dB(A)
08:00 - 09:00	65.7	86.5	62.4	dB(A)
09:00 - 10:00	66.0	87.3	63.4	dB(A)
L_{eq} 24 hr.	64.9	-	-	dB(A)
L_{50} #	71.0	-	-	dB(A)
Maximum	-	93.3	-	dB(A)
Standard	70 ^{1,2}	115 ^{1,2}	-	dB(A)

REMARK : * Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory
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³ Start Time
* Parameter Outside The Scope of The Registration of The Department of Industrial Works.
(Ms. Thanaporn Klinsonop is Section Head, Mrs. Wanpen Lhaochindawat is in Charge of Environmental Management)
(Measurement By Mr. Suphakorn Noppornpitak)
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17/04/2026

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NSC-TISI-TIS 17025
TESTING 1712
Request No. LA69-R0417
Report No. R6904-0418

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16**
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**
SAMPLE SOURCE : EOE Plant**
SAMPLE POINT : บริเวณริมรั้วด้านทิศใต้**
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{50} #
DETERMINATION METHOD : ISO 1996-1:2016##
INSTRUMENT : Integrated Sound Level Meter
S/N 01120945 : Class I

TIME \ DATE	27-28/03/2026 (L_{eq})	27-28/03/2026 (L_{max})	27-28/03/2026 (L_{90})#	UNIT
10:00 - 11:00 ³	65.0	86.0	61.1	dB(A)
11:00 - 12:00	66.8	90.1	62.3	dB(A)
12:00 - 13:00	63.8	81.6	62.4	dB(A)
13:00 - 14:00	68.3	88.3	64.3	dB(A)
14:00 - 15:00	65.8	88.6	61.9	dB(A)
15:00 - 16:00	65.1	89.6	62.5	dB(A)
16:00 - 17:00	65.1	85.8	63.1	dB(A)
17:00 - 18:00	64.8	89.4	61.9	dB(A)
18:00 - 19:00	63.8	80.5	62.4	dB(A)
19:00 - 20:00	65.0	91.3	61.6	dB(A)
20:00 - 21:00	63.9	87.4	61.8	dB(A)
21:00 - 22:00	62.8	89.5	60.6	dB(A)
22:00 - 23:00	62.3	83.7	60.6	dB(A)
23:00 - 00:00	64.5	90.4	61.5	dB(A)
00:00 - 01:00	65.3	84.7	63.8	dB(A)
01:00 - 02:00	63.9	86.9	61.4	dB(A)
02:00 - 03:00	63.9	86.9	61.5	dB(A)
03:00 - 04:00	63.1	85.2	61.1	dB(A)
04:00 - 05:00	65.3	86.8	63.7	dB(A)
05:00 - 06:00	62.1	83.0	60.5	dB(A)
06:00 - 07:00	64.6	86.4	62.4	dB(A)
07:00 - 08:00	64.2	84.6	62.1	dB(A)
08:00 - 09:00	65.6	85.7	63.8	dB(A)
09:00 - 10:00	66.5	84.9	64.0	dB(A)
L_{eq} 24 hr.	64.9	-	-	dB(A)
L_{50} #	70.6	-	-	dB(A)
Maximum	-	91.3	-	dB(A)
Standard	70 ^{1,2}	115 ^{1,2}	-	dB(A)

REMARK : * Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory
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¹ Notification of The National Environmental Board Volume 15 B.E. 2540 (1997)
² Notification of Ministry of the Industry B.E. 2548 (2005)
³ Start Time
* Parameter Outside The Scope of The Registration of The Department of Industrial Works.
(Ms. Thanaporn Klinsonop is Section Head, Mrs. Wanpen Lhaochindawat is in Charge of Environmental Management)
(Measurement By Mr. Suphakorn Noppornpitak)
** These Data are Non Laboratory Data



Approved By (MRS. WANPEN LHAOCHINDAWAT)
17/04/2026

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EASTERN THAI CONSULTING 1992 CO., LTD.

683 Moo 11 Sukhapibarn 8 Rd., Nongkham, Sriracha, Chonburi 20230
Tel. 0-3848-1197-8, 0-3876-3031-2 Fax : 0-3848-2095 E-mail : marketing@etc1992.com



Request No. LA69-R0417
Report No. R6904-0419

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16**
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**
SAMPLE SOURCE : EOE Plant**
SAMPLE POINT : บริเวณริมรั้วด้านทิศใต้**
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{eq} # & L_{dn} #
DETERMINATION METHOD : ISO 1996-1:2016##
INSTRUMENT : Integrated Sound Level Meter
S/N 01120945 : Class 1

SAMPLE NO. : 07250
MEASURING DATE : 28-29/03/2026
RECEIVED DATE : 01/04/2026
REPORTED DATE : 17/04/2026

TIME \ DATE	28-29/03/2026 (L_{eq})	28-29/03/2026 (L_{max})	28-29/03/2026 (L_{eq})#	UNIT
10:00 - 11:00 ³	65.9	84.5	63.4	dB(A)
11:00 - 12:00	67.7	90.9	64.8	dB(A)
12:00 - 13:00	65.0	83.1	63.1	dB(A)
13:00 - 14:00	65.2	88.1	62.4	dB(A)
14:00 - 15:00	65.1	92.1	62.3	dB(A)
15:00 - 16:00	64.7	90.8	61.8	dB(A)
16:00 - 17:00	65.1	85.2	63.5	dB(A)
17:00 - 18:00	66.2	99.4	62.2	dB(A)
18:00 - 19:00	63.9	81.1	62.7	dB(A)
19:00 - 20:00	64.8	77.7	64.1	dB(A)
20:00 - 21:00	64.6	84.9	63.1	dB(A)
21:00 - 22:00	65.1	90.7	61.9	dB(A)
22:00 - 23:00	64.6	82.3	63.6	dB(A)
23:00 - 00:00	62.8	85.4	61.0	dB(A)
00:00 - 01:00	63.0	80.0	60.9	dB(A)
01:00 - 02:00	63.0	88.7	61.0	dB(A)
02:00 - 03:00	64.0	87.5	62.1	dB(A)
03:00 - 04:00	65.5	88.2	63.3	dB(A)
04:00 - 05:00	64.4	87.4	62.2	dB(A)
05:00 - 06:00	63.2	86.5	61.9	dB(A)
06:00 - 07:00	63.1	81.1	61.2	dB(A)
07:00 - 08:00	63.1	81.6	60.9	dB(A)
08:00 - 09:00	66.5	86.9	62.8	dB(A)
09:00 - 10:00	65.7	91.8	63.1	dB(A)
L_{eq} 24 hr.	64.9	-	-	dB(A)
L_{dn} #	70.5	-	-	dB(A)
Maximum	-	99.4	-	dB(A)
Standard	70 ^{1,2}	115 ^{1,2}	-	dB(A)

REMARK : * Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory
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¹ Notification of The National Environmental Board Volume 15 B.E. 2540 (1997)

² Notification of Ministry of the Industry B.E. 2548 (2005)

³ Start Time

* Parameter Outside The Scope of The Registration of The Department of Industrial Works.
(Ms. Thanaporn Klinsonon is Section Head, Mrs. Wanpen Lhaochindawat is Technical Management)
(Measurement By Mr. Suphakorn Noppornpitak)

** These Data are Non Laboratory Data



Approved By (MRS. WANPEN LHAOCHINDAWAT)

17/04/2026

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Page 1/1

FM-LAB-036/0/01-08-47



EASTERN THAI CONSULTING 1992 CO., LTD.

683 Moo 11 Sukhapibarn 8 Rd., Nongkham, Sriracha, Chonburi 20230
Tel. 0-3848-1197-8, 0-3876-3031-2 Fax : 0-3848-2095 E-mail : marketing@etc1992.com



Request No. LA69-R0417
Report No. R6904-0420

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16**
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**
SAMPLE SOURCE : EOE Plant**
SAMPLE POINT : บริเวณริมรั้วด้านทิศใต้**
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{eq} # & L_{dn} #
DETERMINATION METHOD : ISO 1996-1:2016##
INSTRUMENT : Integrated Sound Level Meter
S/N 01120945 : Class 1

SAMPLE NO. : 07251
MEASURING DATE : 29-30/03/2026
RECEIVED DATE : 01/04/2026
REPORTED DATE : 17/04/2026

TIME \ DATE	29-30/03/2026 (L_{eq})	29-30/03/2026 (L_{max})	29-30/03/2026 (L_{eq})#	UNIT
10:00 - 11:00 ³	63.6	87.8	61.2	dB(A)
11:00 - 12:00	64.3	90.6	62.2	dB(A)
12:00 - 13:00	63.3	87.2	60.8	dB(A)
13:00 - 14:00	63.1	89.7	59.8	dB(A)
14:00 - 15:00	61.7	79.9	59.9	dB(A)
15:00 - 16:00	62.6	86.8	60.7	dB(A)
16:00 - 17:00	62.1	80.3	59.8	dB(A)
17:00 - 18:00	62.3	83.0	60.6	dB(A)
18:00 - 19:00	62.6	83.7	61.1	dB(A)
19:00 - 20:00	62.4	83.0	60.3	dB(A)
20:00 - 21:00	62.9	90.0	61.2	dB(A)
21:00 - 22:00	62.0	83.7	60.8	dB(A)
22:00 - 23:00	62.8	86.7	60.6	dB(A)
23:00 - 00:00	60.9	75.1	60.2	dB(A)
00:00 - 01:00	61.6	77.2	60.4	dB(A)
01:00 - 02:00	61.3	80.1	60.4	dB(A)
02:00 - 03:00	61.4	82.9	60.1	dB(A)
03:00 - 04:00	61.7	75.0	60.6	dB(A)
04:00 - 05:00	62.0	78.0	60.7	dB(A)
05:00 - 06:00	62.5	86.2	60.8	dB(A)
06:00 - 07:00	62.5	80.6	60.4	dB(A)
07:00 - 08:00	63.5	82.9	61.0	dB(A)
08:00 - 09:00	64.8	86.6	61.5	dB(A)
09:00 - 10:00	66.0	84.2	61.7	dB(A)
L_{eq} 24 hr.	62.8	-	-	dB(A)
L_{dn} #	68.5	-	-	dB(A)
Maximum	-	90.6	-	dB(A)
Standard	70 ^{1,2}	115 ^{1,2}	-	dB(A)

REMARK : * Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory
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¹ Notification of The National Environmental Board Volume 15 B.E. 2540 (1997)

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³ Start Time

* Parameter Outside The Scope of The Registration of The Department of Industrial Works.
(Ms. Thanaporn Klinsonon is Section Head, Mrs. Wanpen Lhaochindawat is Technical Management)
(Measurement By Mr. Suphakorn Noppornpitak)

** These Data are Non Laboratory Data



Approved By (MRS. WANPEN LHAOCHINDAWAT)

17/04/2026

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Page 1/1

FM-LAB-036/0/01-08-47



EASTERN THAI CONSULTING 1992 CO., LTD.

683 Moo 11 Sukhapibarn 8 Rd., Nongkham, Sriracha, Chonburi 20230
Tel. 0-3848-1197-8, 0-3876-3031-2 Fax : 0-3848-2095 E-mail : marketing@etc1992.com



Request No. LA69-R0417
Report No. R6904-0421

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16**
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**
SAMPLE SOURCE : EOG Plant**
SAMPLE POINT : บริเวณรั้วด้านทิศใต้**
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{10} #
DETERMINATION METHOD : ISO 1996-1:2016##
INSTRUMENT : Integrated Sound Level Meter
S/N 01120945 : Class 1

SAMPLE NO. : 07252
MEASURING DATE : 30-31/03/2026
RECEIVED DATE : 01/04/2026
REPORTED DATE : 17/04/2026

TIME \ DATE	30-31/03/2026 (L_{eq})	30-31/03/2026 (L_{max})	30-31/03/2026 (L_{90})	UNIT
10:00 - 11:00 ²³	65.6	89.3	61.6	dB(A)
11:00 - 12:00	65.8	86.3	61.9	dB(A)
12:00 - 13:00	64.0	92.1	60.1	dB(A)
13:00 - 14:00	66.0	88.8	62.8	dB(A)
14:00 - 15:00	65.4	89.1	62.1	dB(A)
15:00 - 16:00	65.4	90.6	62.1	dB(A)
16:00 - 17:00	65.3	88.1	61.0	dB(A)
17:00 - 18:00	64.4	89.8	60.9	dB(A)
18:00 - 19:00	63.8	85.2	61.2	dB(A)
19:00 - 20:00	63.8	78.9	61.9	dB(A)
20:00 - 21:00	63.4	90.0	61.2	dB(A)
21:00 - 22:00	63.7	89.0	61.1	dB(A)
22:00 - 23:00	63.3	89.9	61.1	dB(A)
23:00 - 00:00	62.9	77.3	61.5	dB(A)
00:00 - 01:00	63.7	87.5	61.8	dB(A)
01:00 - 02:00	64.1	85.6	61.8	dB(A)
02:00 - 03:00	62.5	77.4	61.3	dB(A)
03:00 - 04:00	63.5	90.2	61.3	dB(A)
04:00 - 05:00	62.8	82.0	61.6	dB(A)
05:00 - 06:00	64.9	87.2	62.3	dB(A)
06:00 - 07:00	64.1	84.6	61.5	dB(A)
07:00 - 08:00	63.8	83.9	60.8	dB(A)
08:00 - 09:00	65.5	87.7	62.7	dB(A)
09:00 - 10:00	65.4	83.7	61.7	dB(A)
L_{eq} 24 hr.	64.4	-	-	dB(A)
L_{10} #	70.2	-	-	dB(A)
Maximum	-	92.1	-	dB(A)
Standard	70 ^{1,2}	115 ^{1,2}	-	dB(A)

REMARK : * Test Report/Sampling marked "Not TISI Accredited" in this report are not included in the TISI Accreditation Schedule for our laboratory
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11 Notification of The National Environmental Board Volume 15 B.E. 2540 (1997)
12 Notification of Ministry of the Industry B.E. 2548 (2005)
13 Start Time
* Parameter Outside The Scope of The Registration of The Department of Industrial Works.
(Ms. Thanatporn Klinsonop is Section Head, Mrs. Wanpen Lhaochindawat is a Technical Management)
(Measurement By Mr. Suphakorn Noppornpitak)
** These Data are Non Laboratory Data



Approved By (MRS. WANPEN LHAOCHINDAWAT)

17/04/2026

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683 Moo 11 Sukhapibarn 8 Rd., Nongkham, Sriracha, Chonburi 20230
Tel. 0-3848-1197-8, 0-3876-3031-2 Fax : 0-3848-2095 E-mail : marketing@etc1992.com



Request No. LA69-R0417
Report No. R6904-0422

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16**
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**
SAMPLE SOURCE : EOG Plant**
SAMPLE POINT : บริเวณรั้วด้านทิศใต้**
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{10} #
DETERMINATION METHOD : ISO 1996-1:2016##
INSTRUMENT : Integrated Sound Level Meter
S/N 01120945 : Class 1

SAMPLE NO. : 07253
MEASURING DATE : 31/03/2026-01/04/2026
RECEIVED DATE : 01/04/2026
REPORTED DATE : 17/04/2026

TIME \ DATE	31/03/2026-01/04/2026 (L_{eq})	31/03/2026-01/04/2026 (L_{max})	31/03/2026-01/04/2026 (L_{90})	UNIT
10:00 - 11:00 ²³	64.8	81.8	61.5	dB(A)
11:00 - 12:00	64.7	85.9	61.5	dB(A)
12:00 - 13:00	63.9	85.7	60.7	dB(A)
13:00 - 14:00	66.0	85.9	62.8	dB(A)
14:00 - 15:00	65.4	91.3	62.5	dB(A)
15:00 - 16:00	65.5	88.8	61.8	dB(A)
16:00 - 17:00	64.4	83.8	61.3	dB(A)
17:00 - 18:00	65.0	87.4	61.6	dB(A)
18:00 - 19:00	66.3	87.5	63.0	dB(A)
19:00 - 20:00	64.7	94.5	61.5	dB(A)
20:00 - 21:00	63.2	84.0	61.3	dB(A)
21:00 - 22:00	63.1	81.8	61.4	dB(A)
22:00 - 23:00	62.6	83.5	61.3	dB(A)
23:00 - 00:00	62.7	84.2	61.0	dB(A)
00:00 - 01:00	62.5	81.8	61.5	dB(A)
01:00 - 02:00	63.6	88.1	61.6	dB(A)
02:00 - 03:00	62.7	82.0	61.6	dB(A)
03:00 - 04:00	62.8	82.6	61.5	dB(A)
04:00 - 05:00	63.8	83.7	62.1	dB(A)
05:00 - 06:00	63.6	81.9	62.1	dB(A)
06:00 - 07:00	64.2	84.8	61.9	dB(A)
07:00 - 08:00	63.4	80.1	61.3	dB(A)
08:00 - 09:00	65.6	85.3	62.8	dB(A)
09:00 - 10:00	65.1	88.6	61.6	dB(A)
L_{eq} 24 hr.	64.3	-	-	dB(A)
L_{10} #	69.9	-	-	dB(A)
Maximum	-	94.5	-	dB(A)
Standard	70 ^{1,2}	115 ^{1,2}	-	dB(A)

REMARK : * Test Report/Sampling marked "Not TISI Accredited" in this report are not included in the TISI Accreditation Schedule for our laboratory
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13 Start Time
* Parameter Outside The Scope of The Registration of The Department of Industrial Works.
(Ms. Thanatporn Klinsonop is Section Head, Mrs. Wanpen Lhaochindawat is a Technical Management)
(Measurement By Mr. Suphakorn Noppornpitak)
** These Data are Non Laboratory Data



Approved By (MRS. WANPEN LHAOCHINDAWAT)

17/04/2026

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บริษัท อีสเทิร์น ไทย คอนซัลติ้ง 1992 จำกัด

683 หมู่ 11 ต.สุขาภิบาล 8 ต.หนองขาม อ.ศรีราชา จ.ชลบุรี 20230
โทร. 0-3848-1197, 0-3876-3031-2 แฟกซ์ : 0-3848-2095
เว็บไซต์ : http://www.etc1992.com อี-เมล : info@etc1992.com



EASTERN THAI CONSULTING 1992 CO., LTD.

683 Moo 11 Sukhapibarn 8 Rd., Nongkham, Sriracha, Chonburi 20230
Tel. 0-3848-1197, 0-3876-3031-2 Fax : 0-3848-2095
Website : http://www.etc1992.com E-mail : info@etc1992.com

Request No. ATR6904049

Report No. 6904-0937

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch16
ADDRESS : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
SAMPLE SOURCE : EOEG Plant
SAMPLE NAME : พนักงานที่ทำงานเกี่ยวข้องกับ Ethylene Oxide (คุณอภิรักษ์ พานาเมือง)
SAMPLING DATE : 24/04/2026 SAMPLE NO : A69040937
RECEIVED DATE : 27/04/2026 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Passive Sampling TESTED DATE : 05/05/2026
REPORTED DATE : 19/05/2026

PARAMETER**	TEST METHOD	RESULT	STD ¹	UNIT
Ethylene Oxide	OSHA 1010/GC-μECD	0.24	1.8	mg/m ³
		0.13	1.0	ppm

REMARK:

¹ Notification of The Department of Labour Protection and Welfare B.E.2560 (2017),

Concentration Limits of Hazardous Chemicals.

** Parameter have License Registration of Department of Labour Protection and Welfare No.0201-03-2564-0008

Sampling By Eastern Thai Consulting 1992 Co.,Ltd., (Mr. Weerachai Porjai)

Analysed By SECOT Co.,Ltd.



(Miss Thanatporn Klinsoopon)

19/05/2026

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683 Moo 11 Sukhapibarn 8 Rd., Nongkham, Sriracha, Chonburi 20230
Tel. 0-3848-1197, 0-3876-3031-2 Fax : 0-3848-2095
Website : http://www.etc1992.com E-mail : info@etc1992.com

Request No. ATR6904049

Report No. 6904-0938

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch16
ADDRESS : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
SAMPLE SOURCE : EOEG Plant
SAMPLE NAME : พนักงานที่ทำงานเกี่ยวข้องกับ Ethylene Oxide (คุณคมศร พรหมวงศ์)
SAMPLING DATE : 24/04/2026 SAMPLE NO : A69040938
RECEIVED DATE : 27/04/2026 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Passive Sampling TESTED DATE : 05/05/2026
REPORTED DATE : 19/05/2026

PARAMETER**	TEST METHOD	RESULT ¹	STD ¹	UNIT
Ethylene Oxide	OSHA 1010/GC-μECD	ND	1.8	mg/m ³
		ND	1.0	ppm

REMARK:

¹ Notification of The Department of Labour Protection and Welfare B.E.2560 (2017),

Concentration Limits of Hazardous Chemicals.

¹ ND = Non detectable : detection limit of Ethylene Oxide is less than 0.05 mg/m³ or 0.03 ppm.

** Parameter have License Registration of Department of Labour Protection and Welfare No.0201-03-2564-0008

Sampling By Eastern Thai Consulting 1992 Co.,Ltd., (Mr. Weerachai Porjai)

Analysed By SECOT Co.,Ltd.



(Miss Thanatporn Klinsoopon)

19/05/2026

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COPY

Request No. LA69-R0506

Report No. R6905-0264

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
SAMPLE SOURCE : EOEG Plant
SAMPLE POINT : Compressor Area : C-115
PARAMETER* : L_{eq} 1 hr., L_{eq} 8 hr. & L_{max}
DETERMINATION METHOD : ISO 11202:2010 SAMPLE NO. : 11790
INSTRUMENT : Integrated Sound Level Meter MEASURING DATE : 27/04/2026
S/N 00322751 : Class 2 RECEIVED DATE : 27/04/2026
Sound Level Calibrator : S/N 34234715 REPORTED DATE : 05/05/2026

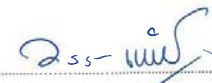
MEASURING TIME	RESULT		UNIT
	L_{eq} 1 hr.	L_{max}	
07:00 - 08:00	82.9	83.7	dB(A)
08:00 - 09:00	82.9	83.7	dB(A)
09:00 - 10:00	82.8	83.7	dB(A)
10:00 - 11:00	82.8	83.6	dB(A)
11:00 - 12:00	82.8	83.8	dB(A)
12:00 - 13:00	82.8	83.6	dB(A)
13:00 - 14:00	82.8	83.5	dB(A)
14:00 - 15:00	82.8	83.6	dB(A)
L_{eq} 8 hr.	82.8	-	dB(A)
Standard	90 ¹⁾	140 ¹⁾ , 115 ²⁾	dB(A)

REMARK : ¹⁾ Notification of The Ministry of Industry B.E. 2546 (2003)²⁾ Regulation of The Ministry of Labour B.E. 2559 (2016)

* Measurement By Ms. Ratmanee Nakket



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By 
(MRS. WANPEN LHAOCHINDAWAT)

05/05/2026

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Request No. LA69-R0506

Report No. R6905-0265

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
SAMPLE SOURCE : EOEG Plant
SAMPLE POINT : Compressor Area : C-320
PARAMETER* : L_{eq} 1 hr., L_{eq} 8 hr. & L_{max}
DETERMINATION METHOD : ISO 11202:2010 SAMPLE NO. : 11791
INSTRUMENT : Integrated Sound Level Meter MEASURING DATE : 27/04/2026
S/N 00322754 : Class 2 RECEIVED DATE : 27/04/2026
Sound Level Calibrator : S/N 34234715 REPORTED DATE : 05/05/2026

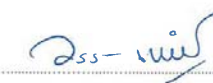
MEASURING TIME	RESULT		UNIT
	L_{eq} 1 hr.	L_{max}	
07:00 - 08:00	82.0	82.6	dB(A)
08:00 - 09:00	82.1	82.7	dB(A)
09:00 - 10:00	82.2	82.7	dB(A)
10:00 - 11:00	81.9	82.6	dB(A)
11:00 - 12:00	82.0	82.5	dB(A)
12:00 - 13:00	81.8	82.5	dB(A)
13:00 - 14:00	82.0	82.7	dB(A)
14:00 - 15:00	82.3	82.9	dB(A)
L_{eq} 8 hr.	82.0	-	dB(A)
Standard	90 ¹⁾	140 ¹⁾ , 115 ²⁾	dB(A)

REMARK : ¹⁾ Notification of The Ministry of Industry B.E. 2546 (2003)²⁾ Regulation of The Ministry of Labour B.E. 2559 (2016)

* Measurement By Ms. Ratmanee Nakket



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By 
(MRS. WANPEN LHAOCHINDAWAT)

05/05/2026

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Request No. LA69-R0506

Report No. R6905-0260

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorad Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
SAMPLE SOURCE : EOEG Plant
SAMPLE POINT : Operation 1 (คุณจตุรงค์ ศรีแก้ว ID 26008332)
MEASURING DATE : 27/04/2026
RECEIVED DATE : 27/04/2026 SAMPLE NO. : 11786
SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0641 SAMPLING TIME : 07:00-19:00
Noise Dose Calibrator : S/N 98650 REPORTED DATE : 05/05/2026

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	76.1	83 ^{/1}	dB(A)
L _{max} 12 hr	101.7	115 ^{/3}	dB(A)
12 Hour dose	19.15	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	77.8	85 ^{/1}	dB(A)

REMARK :
^{/1} Notification of The Department of Labour Protection and Welfare B.E. 2561 (2018)
^{/2} Standard of National Institute for Occupational Safety and Health, Occupational Noise Exposure Revised Criteria 1998
^{/3} Regulation of The Ministry of Labour B.E. 2559 (2016)
[#] Based on Criteria 85 dB(A) ; 3 dB Exchange Rate
* Parameter have License Registration of Department of Labour Protection and Welfare No. 0403-03-2564-0009
(Measurement By Ms. Ratmanee Nakket)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

(MRS. WANPEN LHAOCHINDAWAT)

05/05/2026

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Request No. LA69-R0506

Report No. R6905-0261

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorad Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
SAMPLE SOURCE : EOEG Plant
SAMPLE POINT : Operation 2 (คุณสุรกิจ ศรีทอง ID 26003079)
MEASURING DATE : 27/04/2026
RECEIVED DATE : 27/04/2026 SAMPLE NO. : 11787
SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0643 SAMPLING TIME : 07:00-19:00
Noise Dose Calibrator : S/N 98650 REPORTED DATE : 05/05/2026

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	82.6	83 ^{/1}	dB(A)
L _{max} 12 hr	97.8	115 ^{/3}	dB(A)
12 Hour dose	86.32	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	84.4	85 ^{/1}	dB(A)

REMARK :
^{/1} Notification of The Department of Labour Protection and Welfare B.E. 2561 (2018)
^{/2} Standard of National Institute for Occupational Safety and Health, Occupational Noise Exposure Revised Criteria 1998
^{/3} Regulation of The Ministry of Labour B.E. 2559 (2016)
[#] Based on Criteria 85 dB(A) ; 3 dB Exchange Rate
* Parameter have License Registration of Department of Labour Protection and Welfare No. 0403-03-2564-0009
(Measurement By Ms. Ratmanee Nakket)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

(MRS. WANPEN LHAOCHINDAWAT)

05/05/2026

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Request No. LA69-R0506

Report No. R6905-0262

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
 ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorad Road,
 Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
 SAMPLE SOURCE : EOEG Plant
 SAMPLE POINT : Operation 3 (คุณบัณฑิต บุญปลั่ง ID 26005428)
 MEASURING DATE : 27/04/2026
 RECEIVED DATE : 27/04/2026 SAMPLE NO. : 11788
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0644 SAMPLING TIME : 07:00-19:00
 : Noise Dose Calibrator : S/N 98650 REPORTED DATE : 05/05/2026

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) ¹	77.3	83 ¹	dB(A)
L _{max} 12 hr	95.6	115 ³	dB(A)
12 Hour dose	25.20	100 ²	%
Time weighted average level (8-hr TWA) ⁴	79.0	85 ¹	dB(A)

REMARK :
¹ Notification of The Department of Labour Protection and Welfare B.E. 2561 (2018)
² Standard of National Institute for Occupational Safety and Health, Occupational Noise Exposure Revised Criteria 1998
³ Regulation of The Ministry of Labour B.E. 2559 (2016)
⁴ Based on Criteria 85 dB(A) ; 3 dB Exchange Rate
 * Parameter have License Registration of Department of Labour Protection and Welfare No. 0403-03-2564-0009
 (Measurement By Ms. Ratmanee Nakket)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

(MRS. WANPEN LHAOCHINDAWAT)

05/05/2026

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Request No. LA69-R0506

Report No. R6905-0263

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
 ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorad Road,
 Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
 SAMPLE SOURCE : EOEG Plant
 SAMPLE POINT : Operation 4 (คุณคณิศร พรหมวงศ์ ID 26007065)
 MEASURING DATE : 27/04/2026
 RECEIVED DATE : 27/04/2026 SAMPLE NO. : 11789
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0640 SAMPLING TIME : 07:00-19:00
 : Noise Dose Calibrator : S/N 98650 REPORTED DATE : 05/05/2026

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) ¹	80.8	83 ¹	dB(A)
L _{max} 12 hr	98.6	115 ³	dB(A)
12 Hour dose	56.84	100 ²	%
Time weighted average level (8-hr TWA) ⁴	82.5	85 ¹	dB(A)

REMARK :
¹ Notification of The Department of Labour Protection and Welfare B.E. 2561 (2018)
² Standard of National Institute for Occupational Safety and Health, Occupational Noise Exposure Revised Criteria 1998
³ Regulation of The Ministry of Labour B.E. 2559 (2016)
⁴ Based on Criteria 85 dB(A) ; 3 dB Exchange Rate
 * Parameter have License Registration of Department of Labour Protection and Welfare No. 0403-03-2564-0009
 (Measurement By Ms. Ratmanee Nakket)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

(MRS. WANPEN LHAOCHINDAWAT)

05/05/2026

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Request No. ATR6904049
 Report No. 6904-0930

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
 ADDRESS : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
 SAMPLE SOURCE : EOEG Plant
 SAMPLE NAME : EO Scrubbing (T-311)
 SAMPLING DATE : 24/04/2026 SAMPLE NO. : A69040930
 RECEIVED DATE : 27/04/2026 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Personal Pump Flow rate 0.05 L/min TESTED DATE : 27/04/2026
 Serial No. 20200403077 REPORTED DATE : 19/05/2026

PARAMETER**	TEST METHOD	RESULT	STD ¹⁾	UNIT
Carbon Dioxide (CO ₂)	Sampling bag/NDIR	990	9,000	mg/m ³
		550	5,000	ppm

REMARK: ¹⁾ Occupational Safety and Health Administration (OSHA) ; Standard Number 1910.1000 Table Z-1 Limits for Air Contaminants.
 ** Parameter not have License Registration of Department of Labour Protection and Welfare.
 Sampling By Eastern Thai Consulting 1992 Co.,Ltd., (Mr. Weerachai Porjai)
 Analysed By SECOT Co.,Ltd. / GPS = Sampling at UTM 47 P 731050E 1404810N



Examined By: *[Signature]*
 (Miss Thanatporn Klinsoopon)
 19/05/2026

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Request No. ATR6906041
 Report No. 6906-0684

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
 ADDRESS : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
 SAMPLE SOURCE : EOEG Plant
 SAMPLE NAME : EO Scrubbing (T-311)
 SAMPLING DATE : 09/06/2026 SAMPLE NO. : A69060684
 RECEIVED DATE : 12/06/2026 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Personal Pump Flow rate 0.05 L/min TESTED DATE : 12/06/2026
 Serial No. 20200403077 REPORTED DATE : 25/06/2026

PARAMETER**	TEST METHOD	RESULT	STD ¹⁾	UNIT
Carbon Dioxide	Sampling bag/NDIR	1,668.6	9,000	mg/m ³
		927.0	5,000	ppm

REMARK: ¹⁾ Occupational Safety and Health Administration (OSHA) ; Standard Number 1910.1000 Table Z-1 Limits for Air Contaminants.
 ** Parameter not have License Registration of Department of Labour Protection and Welfare.
 Sampling By Eastern Thai Consulting 1992 Co.,Ltd., (Mr. Weerachai Porjai)
 Analysed By SECOT Co.,Ltd. / GPS = Sampling at UTM 47 P 731050E 1404810N



Examined By: *[Signature]*
 (Miss Thanatporn Klinsoopon)
 25/06/2026

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Request No. ATR6904049
 Report No. 6904-0931

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
 ADDRESS : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
 SAMPLE SOURCE : EOEG Plant
 SAMPLE NAME : CO2 Removal Unit (T-220)
 SAMPLING DATE : 24/04/2026 SAMPLE NO. : A69040931
 RECEIVED DATE : 27/04/2026 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Personal Pump Flow rate 0.05 L/min TESTED DATE : 27/04/2026
 Serial No. 20200403075 REPORTED DATE : 19/05/2026

PARAMETER**	TEST METHOD	RESULT	STD ¹⁾	UNIT
Carbon Dioxide (CO ₂)	Sampling bag/NDIR	1,145	9,000	mg/m ³
		636	5,000	ppm

REMARK: ¹⁾ Occupational Safety and Health Administration (OSHA) ; Standard Number 1910.1000 Table Z-1 Limits for Air Contaminants.
 ** Parameter not have License Registration of Department of Labour Protection and Welfare.
 Sampling By Eastern Thai Consulting 1992 Co.,Ltd., (Mr. Weerachai Porjai)
 Analysed By SECOT Co.,Ltd. / GPS = Sampling at UTM 47 P 731017E 1404785N



Examined By.....
 (Miss Thanatporn Klinsonpon)
 19/05/2026

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
 THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
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Request No. ATR6906041
 Report No. 6906-0685

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
 ADDRESS : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
 SAMPLE SOURCE : EOEG Plant
 SAMPLE NAME : CO2 Removal Unit (T-220)
 SAMPLING DATE : 09/06/2026 SAMPLE NO. : A69060685
 RECEIVED DATE : 11/06/2026 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Personal Pump Flow rate 0.05 L/min TESTED DATE : 11/06/2026-25/06/2026
 Serial No. 20200403074 REPORTED DATE : 25/06/2026

PARAMETER**	TEST METHOD	RESULT	STD ¹⁾	UNIT
Carbon Dioxide	Non-Dispersive Infrared Method	1,596.6	9,000	mg/m ³
		887.0	5,000	ppm

REMARK: ¹⁾ Occupational Safety and Health Administration (OSHA) ; Standard Number 1910.1000 Table Z-1 Limits for Air Contaminants.
 ** Parameter not have License Registration of Department of Labour Protection and Welfare.
 Sampling By Eastern Thai Consulting 1992 Co.,Ltd., (Mr. Weerachai Porjai)
 Analysed By SECOT Co.,Ltd. / GPS = Sampling at UTM 47 P 731017E 1404785N



Examined By.....
 (Miss Thanatporn Klinsonpon)
 25/06/2026

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Request No. ATR6904049

Report No. 6904-0932

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
 ADDRESS : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
 SAMPLE SOURCE : EOEG Plant
 SAMPLE NAME : Glycol Feed Stripper (T-510)
 SAMPLING DATE : 24/04/2026 SAMPLE NO. : A69040932
 RECEIVED DATE : 28/04/2026 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Personal Pump Flow rate 0.05 L/min TESTED DATE : 28/04/2026-28/04/2026
 Serial No. 218411 REPORTED DATE : 19/05/2026

PARAMETER*	TEST METHOD	RESULT	STD ¹⁾	UNIT
Formaldehyde	Sorbent Adsorption, Gas	< 0.12	0.92	mg/m ³
	Chromatography/NIOSH 2541	< 0.10	0.75	ppm

REMARK:

¹⁾ Notification of The Department of Labour Protection and Welfare B.E.2560 (2017), Concentration Limits of Hazardous Chemicals.

* Parameter have License Registration of Department of Labour Protection and Welfare No.0201-03-2564-0008 and No.0202-03-2564-0005.

(Sampling By Mr. Weerachai Porjai)

GPS = Sampling at UTM 47 P 731046E 1404821N

Examined By 
 (Miss Thanatporm Klinsoopon)

19/05/2026



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By 

(Mr. Kawee Suthasub)

19/05/2026

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Request No. ATR6906041

Report No. 6906-0686

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
 ADDRESS : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
 SAMPLE SOURCE : EOEG Plant
 SAMPLE NAME : Glycol Feed Stripper (T-510)
 SAMPLING DATE : 09/06/2026 SAMPLE NO. : A69060686
 RECEIVED DATE : 11/06/2026 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Personal Pump Flow rate 0.05 L/min TESTED DATE : 11/06/2026-12/06/2026
 Serial No. 218432 REPORTED DATE : 25/06/2026

PARAMETER*	TEST METHOD	RESULT	STD ¹⁾	UNIT
Formaldehyde	Sorbent Adsorption, Gas	< 0.12	0.92	mg/m ³
	Chromatography/NIOSH 2541	< 0.10	0.75	ppm

REMARK:

¹⁾ Notification of The Department of Labour Protection and Welfare B.E.2560 (2017), Concentration Limits of Hazardous Chemicals.

* Parameter have License Registration of Department of Labour Protection and Welfare No.0201-03-2564-0008 and No.0202-03-2564-0005.

(Sampling By Mr. Weerachai Porjai)

GPS = Sampling at UTM 47 P 731046E 1404821N

Examined By 
 (Miss Thanatporm Klinsoopon)

25/06/2026



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By 

(Mr. Kawee Suthasub)

25/06/2026

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Request No. ATR6904049

Report No. 6904-0933

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
ADDRESS : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
SAMPLE SOURCE : EOEG Plant
SAMPLE NAME : EO Purification Unit (T-410)
SAMPLING DATE : 24/04/2026 SAMPLE NO. : A69040933
RECEIVED DATE : 28/04/2026 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.05 L/min TESTED DATE : 28/04/2026-28/04/2026
Serial No. 218444 REPORTED DATE : 19/05/2026

PARAMETER*	TEST METHOD	RESULT	STD ¹⁾	UNIT
Formaldehyde	Sorbent Adsorption, Gas	< 0.12	0.92	mg/m ³
	Chromatography/NIOSH 2541	< 0.10	0.75	ppm

REMARK: ¹⁾ Notification of The Department of Labour Protection and Welfare B.E.2560 (2017), Concentration Limits of Hazardous Chemicals.
* Parameter have License Registration of Department of Labour Protection and Welfare No.0201-03-2564-0008 and No.0202-03-2564-0005.
(Sampling By Mr. Weerachai Porjai)
GPS = Sampling at UTM 47 P 731019E 1404725N

Examined By 
(Miss Thanatporn Klinsoon)
19/05/2026



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By 
(Mr. Kawee Suthasub)
19/05/2026

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Request No. ATR6906041

Report No. 6906-0687

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
ADDRESS : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
SAMPLE SOURCE : EOEG Plant
SAMPLE NAME : EO Purification Unit (T-410)
SAMPLING DATE : 09/06/2026 SAMPLE NO. : A69060687
RECEIVED DATE : 11/06/2026 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.05 L/min TESTED DATE : 11/06/2026-12/06/2026
Serial No. 218413 REPORTED DATE : 25/06/2026

PARAMETER*	TEST METHOD	RESULT	STD ¹⁾	UNIT
Formaldehyde	Sorbent Adsorption, Gas	< 0.12	0.92	mg/m ³
	Chromatography/NIOSH 2541	< 0.10	0.75	ppm

REMARK: ¹⁾ Notification of The Department of Labour Protection and Welfare B.E.2560 (2017), Concentration Limits of Hazardous Chemicals.
* Parameter have License Registration of Department of Labour Protection and Welfare No.0201-03-2564-0008 and No.0202-03-2564-0005.
(Sampling By Mr. Weerachai Porjai)
GPS = Sampling at UTM 47 P 731019E 1404725N

Examined By 
(Miss Thanatporn Klinsoon)
25/06/2026



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By 
(Mr. Kawee Suthasub)
25/06/2026

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COPY



Request No. ATR6904049

Report No. 6904-0934

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch16
ADDRESS : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
SAMPLE SOURCE : EOEG Plant
SAMPLE NAME : EO Purification Unit (T-410) SAMPLE NO : A69040934
SAMPLING DATE : 24/04/2026 SAMPLING TIME : 07:00-19:00
RECEIVED DATE : 27/04/2026 TESTED DATE : 05/05/2026
SAMPLING INSTRUMENT : Passive Sampling REPORTED DATE : 19/05/2026

PARAMETER**	TEST METHOD	RESULT ^{1/2}	STD ¹	UNIT
Ethylene Oxide	OSHA 1010/GC-μECD	ND	1.8	mg/m ³
		ND	1.0	ppm

REMARK:

^{1/} Notification of The Department of Labour Protection and Welfare B.E.2560 (2017),

Concentration Limits of Hazardous Chemicals.

^{2/} ND = Non detectable : detection limit of Ethylene Oxide is less than 0.05 mg/m³ or 0.03 ppm.

** Parameter have License Registration of Department of Labour Protection and Welfare No.0201-03-2564-0008

Sampling By Eastern Thai Consulting 1992 Co.,Ltd., (Mr. Weerachai Porjai)

Analysed By SECOT Co.,Ltd. / GPS = Sampling at UTM 47 P 731019E 1404725N



Examined By

(Miss Thanatporn Klinsopon)

19/05/2026

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Request No. ATR6906041

Report No. 6906-0688

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch16
ADDRESS : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
SAMPLE SOURCE : EOEG Plant
SAMPLE NAME : EO Purification Unit (T-410) SAMPLE NO : A69060688
SAMPLING DATE : 09/06/2026 SAMPLING TIME : 07:00-19:00
RECEIVED DATE : 12/06/2026 TESTED DATE : 22/06/2026
SAMPLING INSTRUMENT : Passive Sampling REPORTED DATE : 25/06/2026

PARAMETER**	TEST METHOD	RESULT ^{1/2}	STD ¹	UNIT
Ethylene Oxide	OSHA 1010/GC-μECD	ND	1.8	mg/m ³
		ND	1.0	ppm

REMARK:

^{1/} Notification of The Department of Labour Protection and Welfare B.E.2560 (2017),

Concentration Limits of Hazardous Chemicals.

^{2/} ND = Non detectable : detection limit of Ethylene Oxide is less than 0.05 mg/m³ or 0.03 ppm.

** Parameter have License Registration of Department of Labour Protection and Welfare No.0201-03-2564-0008

Sampling By Eastern Thai Consulting 1992 Co.,Ltd., (Mr. Weerachai Porjai)

Analysed By SECOT Co.,Ltd. / GPS = Sampling at UTM 47 P 731019E 1404725N



Examined By

(Miss Thanatporn Klinsopon)

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Request No. ATR6904049

Report No. 6904-0935

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch16
ADDRESS : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
SAMPLE SOURCE : EOEG Plant
SAMPLE NAME : ริมรั้วโครงการด้านทิศตะวันตก SAMPLE NO : A69040935
SAMPLING DATE : 24/04/2026 SAMPLING TIME : 07:00-19:00
RECEIVED DATE : 27/04/2026 TESTED DATE : 05/05/2026
SAMPLING INSTRUMENT : Passive Sampling REPORTED DATE : 19/05/2026

PARAMETER**	TEST METHOD	RESULT ²	STD ¹	UNIT
Ethylene Oxide	OSHA 1010/GC-μECD	ND	1.8	mg/m ³
		ND	1.0	ppm

REMARK:

¹ Notification of The Department of Labour Protection and Welfare B.E.2560 (2017),

Concentration Limits of Hazardous Chemicals.

² ND = Non detectable : detection limit of Ethylene Oxide is less than 0.05 mg/m³ or 0.03 ppm.

** Parameter have License Registration of Department of Labour Protection and Welfare No.0201-03-2564-0008

Sampling By Eastern Thai Consulting 1992 Co.,Ltd., (Mr. Weerachai Porjai)

Analysed By SECOT Co.,Ltd. / GPS = Sampling at UTM 47 P 730858E 1404823N



Examined By

(Miss Thanatporn Klinsoon)

19/05/2026

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Request No. ATR6906041

Report No. 6906-0689

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch16
ADDRESS : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
SAMPLE SOURCE : EOEG Plant
SAMPLE NAME : ริมรั้วโครงการด้านทิศตะวันตก SAMPLE NO : A69060689
SAMPLING DATE : 09/06/2026 SAMPLING TIME : 07:00-19:00
RECEIVED DATE : 12/06/2026 TESTED DATE : 22/06/2026
SAMPLING INSTRUMENT : Passive Sampling REPORTED DATE : 25/06/2026

PARAMETER**	TEST METHOD	RESULT ²	STD ¹	UNIT
Ethylene Oxide	OSHA 1010/GC-μECD	ND	1.8	mg/m ³
		ND	1.0	ppm

REMARK:

¹ Notification of The Department of Labour Protection and Welfare B.E.2560 (2017),

Concentration Limits of Hazardous Chemicals.

² ND = Non detectable : detection limit of Ethylene Oxide is less than 0.05 mg/m³ or 0.03 ppm.

** Parameter have License Registration of Department of Labour Protection and Welfare No.0201-03-2564-0008

Sampling By Eastern Thai Consulting 1992 Co.,Ltd., (Mr. Weerachai Porjai)

Analysed By SECOT Co.,Ltd. / GPS = Sampling at UTM 47 P 730858E 1404823N



Examined By

(Miss Thanatporn Klinsoon)

25/06/2026

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Request No. ATR6904049

Report No. 6904-0936

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch16
ADDRESS : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
SAMPLE SOURCE : EOEG Plant
SAMPLE NAME : EO Storage Tank (O3) (D-1410A) SAMPLE NO : A69040936
SAMPLING DATE : 24/04/2026 SAMPLING TIME : 07:00-19:00
RECEIVED DATE : 27/04/2026 TESTED DATE : 05/05/2026
SAMPLING INSTRUMENT : Passive Sampling REPORTED DATE : 19/05/2026

PARAMETER**	TEST METHOD	RESULT ²	STD ¹	UNIT
Ethylene Oxide	OSHA 1010/GC-μECD	ND	1.8	mg/m ³
		ND	1.0	ppm

REMARK:

¹ Notification of The Department of Labour Protection and Welfare B.E.2560 (2017),
Concentration Limits of Hazardous Chemicals.

² ND = Non detectable : detection limit of Ethylene Oxide is less than 0.05 mg/m³ or 0.03 ppm.

** Parameter have License Registration of Department of Labour Protection and Welfare No.0201-03-2564-0008
Sampling By Eastern Thai Consulting 1992 Co.,Ltd., (Mr. Weerachai Porjai)
Analysed By SECOT Co.,Ltd. / GPS = Sampling at UTM 47 P 731004E 1404676N



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(Miss Thanatporn Klinsopon)

19/05/2026

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Request No. ATR6906041

Report No. 6906-0690

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch16
ADDRESS : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
SAMPLE SOURCE : EOEG Plant
SAMPLE NAME : EO Storage Tank (O3) (D-1410A) SAMPLE NO : A69060690
SAMPLING DATE : 09/06/2026 SAMPLING TIME : 07:00-19:00
RECEIVED DATE : 12/06/2026 TESTED DATE : 22/06/2026
SAMPLING INSTRUMENT : Passive Sampling REPORTED DATE : 25/06/2026

PARAMETER**	TEST METHOD	RESULT ²	STD ¹	UNIT
Ethylene Oxide	OSHA 1010/GC-μECD	ND	1.8	mg/m ³
		ND	1.0	ppm

REMARK:

¹ Notification of The Department of Labour Protection and Welfare B.E.2560 (2017),
Concentration Limits of Hazardous Chemicals.

² ND = Non detectable : detection limit of Ethylene Oxide is less than 0.05 mg/m³ or 0.03 ppm.

** Parameter have License Registration of Department of Labour Protection and Welfare No.0201-03-2564-0008
Sampling By Eastern Thai Consulting 1992 Co.,Ltd., (Mr. Weerachai Porjai)
Analysed By SECOT Co.,Ltd. / GPS = Sampling at UTM 47 P 731004E 1404676N



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(Miss Thanatporn Klinsopon)

25/06/2026

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