

ภาคผนวก ค

รายงานผลการตรวจวัดคุณภาพสิ่งแวดล้อม

Request No. ATR6809034

Report No. 6809-0746 - 6809-0752

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
SAMPLE SOURCE : GC 19
SAMPLE NAME : วัดมาบหลูด
RECEIVED DATE : 29/09/2025 SAMPLE NO. : A68090746 - A68090752
TESTED DATE : 29/09/2025-02/10/2025 REPORTED DATE : 07/10/2025

PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD ^{/1}	UNIT
Total Suspended Particulate (TSP)	Gravimetric Method	17-18/09/2025	0.019	0.33	mg/m ³
		18-19/09/2025	0.024	0.33	mg/m ³
		19-20/09/2025	0.021	0.33	mg/m ³
		20-21/09/2025	0.026	0.33	mg/m ³
		21-22/09/2025	0.027	0.33	mg/m ³
		22-23/09/2025	0.034	0.33	mg/m ³
		23-24/09/2025	0.022	0.33	mg/m ³

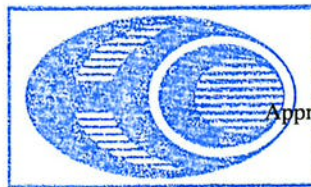
REMARK:

^{/1} Notification of The National Environmental Board Volume 24 B.E.2547 (2004) Standard for 24-hr Average.

* Parameter Outside The Scope of The Registration of The Department of Industrial Works.

(Sampling By Mr. Seksan Pluemwong)

GPS = Sampling at UTM 47P 736823E 1407369N



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

07/10/2025

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
WITHOUT THE WRITTEN APPROVAL LABORATORY

Request No. ATR6809034

Report No. 6809-0739 - 6809-0745

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
 ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
 SAMPLE SOURCE : GC 19
 SAMPLE NAME : วัดมาบชลุง
 RECEIVED DATE : 29/09/2025 SAMPLE NO. : A68090739 - A68090745
 TESTED DATE : 29/09/2025-02/10/2025 REPORTED DATE : 07/10/2025

PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD ^{1/}	UNIT
Particulate matter less than or Equal					
10 micrometers (PM 10)	Gravimetric Method	17-18/09/2025	0.009	0.12	mg/m ³
		18-19/09/2025	0.010	0.12	mg/m ³
		19-20/09/2025	0.009	0.12	mg/m ³
		20-21/09/2025	0.010	0.12	mg/m ³
		21-22/09/2025	0.016	0.12	mg/m ³
		22-23/09/2025	0.024	0.12	mg/m ³
		23-24/09/2025	0.016	0.12	mg/m ³

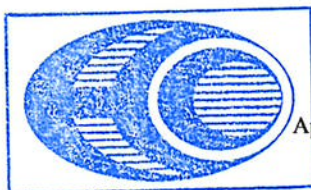
REMARK:

^{1/} Notification of The National Environmental Board Volume 24 B.E.2547 (2004) Standard for 24-hr Average.

* Parameter Outside The Scope of The Registration of The Department of Industrial Works.

(Sampling By Mr. Seksan Pluemwong)

GPS = Sampling at UTM 47P 736823E 1407369N



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

07/10/2025

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Request No. ATR6809034

Report No. 6809-0753 - 6809-0759

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
SAMPLE SOURCE : GC 19
SAMPLE NAME : วัดมาบขลุค
RECEIVED DATE : 29/09/2025 SAMPLE NO. : A68090753 - A68090759
TESTED DATE : 29/09/2025-04/10/2025 REPORTED DATE : 07/10/2025

PARAMETER**	TEST METHOD	SAMPLING DATE	RESULT ¹	UNIT
Propylene oxide	NIOSH1612/GC-FID	17-18/09/2025	ND	mg/m ³
			ND	ppm
		18-19/09/2025	ND	mg/m ³
			ND	ppm
		19-20/09/2025	ND	mg/m ³
			ND	ppm
		20-21/09/2025	ND	mg/m ³
			ND	ppm
		21-22/09/2025	ND	mg/m ³
			ND	ppm
		22-23/09/2025	ND	mg/m ³
			ND	ppm
		23-24/09/2025	ND	mg/m ³
			ND	ppm

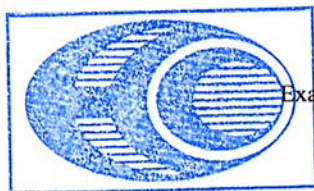
REMARK:

¹ ND = Non detectable : When detection limit of Propylene Oxide is less than 0.10 mg/m³ or 0.05 ppm.

** Sampling By Eastern Thai Consulting 1992 Co.,Ltd., (Mr. Seksan Pluemwong)

Analysed By SECOT Co.,Ltd.

GPS = Sampling at UTM 47P 736823E 1407369N



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.

07/10/2025

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Request No. LA68-R09247

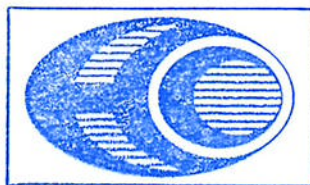
Report No. R6809-6324 - R6809-6330

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150
SAMPLE SOURCE : GC19
SAMPLE POINT : วัดมาบชูด
PARAMETER* : Nitrogen Dioxide
DETERMINATION METHOD : Chemiluminescence
INSTRUMENT : API Model T200 S/N 6757

SAMPLE NO. : 36120-36126
SAMPLING DATE : 17-24/09/2025
RECEIVED DATE : 24/09/2025
REPORTED DATE : 01/10/2025

TIME / DATE	17-18/09/2025	18-19/09/2025	19-20/09/2025	20-21/09/2025	21-22/09/2025	22-23/09/2025	23-24/09/2025	UNIT
10:00 - 11:00 ¹²	0.003	0.001	0.001	0.001	0.001	0.001	0.001	ppm
11:00 - 12:00	0.001	0.001	0.001	0.001	0.001	0.001	0.001	ppm
12:00 - 13:00	0.001	0.001	0.001	0.001	0.001	0.001	0.001	ppm
13:00 - 14:00	0.001	0.001	0.001	0.001	0.001	0.001	0.001	ppm
14:00 - 15:00	0.001	0.001	0.001	0.001	0.001	0.001	0.001	ppm
15:00 - 16:00	0.001	0.001	0.001	0.001	0.001	0.001	0.001	ppm
16:00 - 17:00	0.001	0.001	0.001	0.001	0.001	0.001	0.001	ppm
17:00 - 18:00	0.001	0.001	0.001	0.001	0.001	0.001	0.001	ppm
18:00 - 19:00	0.001	0.001	0.001	0.001	0.001	0.001	0.001	ppm
19:00 - 20:00	0.001	0.001	0.001	0.001	0.001	0.001	0.001	ppm
20:00 - 21:00	0.001	0.001	0.001	0.001	0.001	0.001	0.001	ppm
21:00 - 22:00	0.001	0.001	0.001	0.001	0.001	0.001	0.001	ppm
22:00 - 23:00	0.001	0.001	0.001	0.001	0.001	0.001	0.001	ppm
23:00 - 00:00	0.001	0.001	0.001	0.001	0.001	0.001	0.001	ppm
00:00 - 01:00	0.001	0.001	0.001	0.001	0.001	0.001	0.001	ppm
01:00 - 02:00	0.001	0.001	0.001	0.001	0.001	0.001	0.001	ppm
02:00 - 03:00	0.001	0.001	0.001	0.001	0.001	0.001	0.001	ppm
03:00 - 04:00	0.001	0.001	0.001	0.001	0.001	0.001	0.001	ppm
04:00 - 05:00	0.001	0.001	0.001	0.001	0.001	0.001	0.001	ppm
05:00 - 06:00	0.001	0.001	0.001	0.001	0.001	0.001	0.001	ppm
06:00 - 07:00	0.001	0.001	0.001	0.001	0.001	0.001	0.001	ppm
07:00 - 08:00	0.001	0.001	0.001	0.001	0.001	0.001	0.001	ppm
08:00 - 09:00	0.001	0.001	0.001	0.001	0.001	0.001	0.001	ppm
09:00 - 10:00	0.001	0.001	0.001	0.001	0.001	0.001	0.001	ppm
Maximum 1 hr.	0.003	0.001	0.001	0.001	0.001	0.001	0.001	ppm
Average 24 hr.	0.001	0.001	0.001	0.001	0.001	0.001	0.001	ppm
Standard (1 hr.) ¹¹	0.17	0.17	0.17	0.17	0.17	0.17	0.17	ppm

REMARK : ¹¹ Notification of The National Environmental Board Volume 33 B.E. 2552 (2009)¹² Start Time* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Seksan Pluemwong)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By..

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Wind Speed & Wind Direction

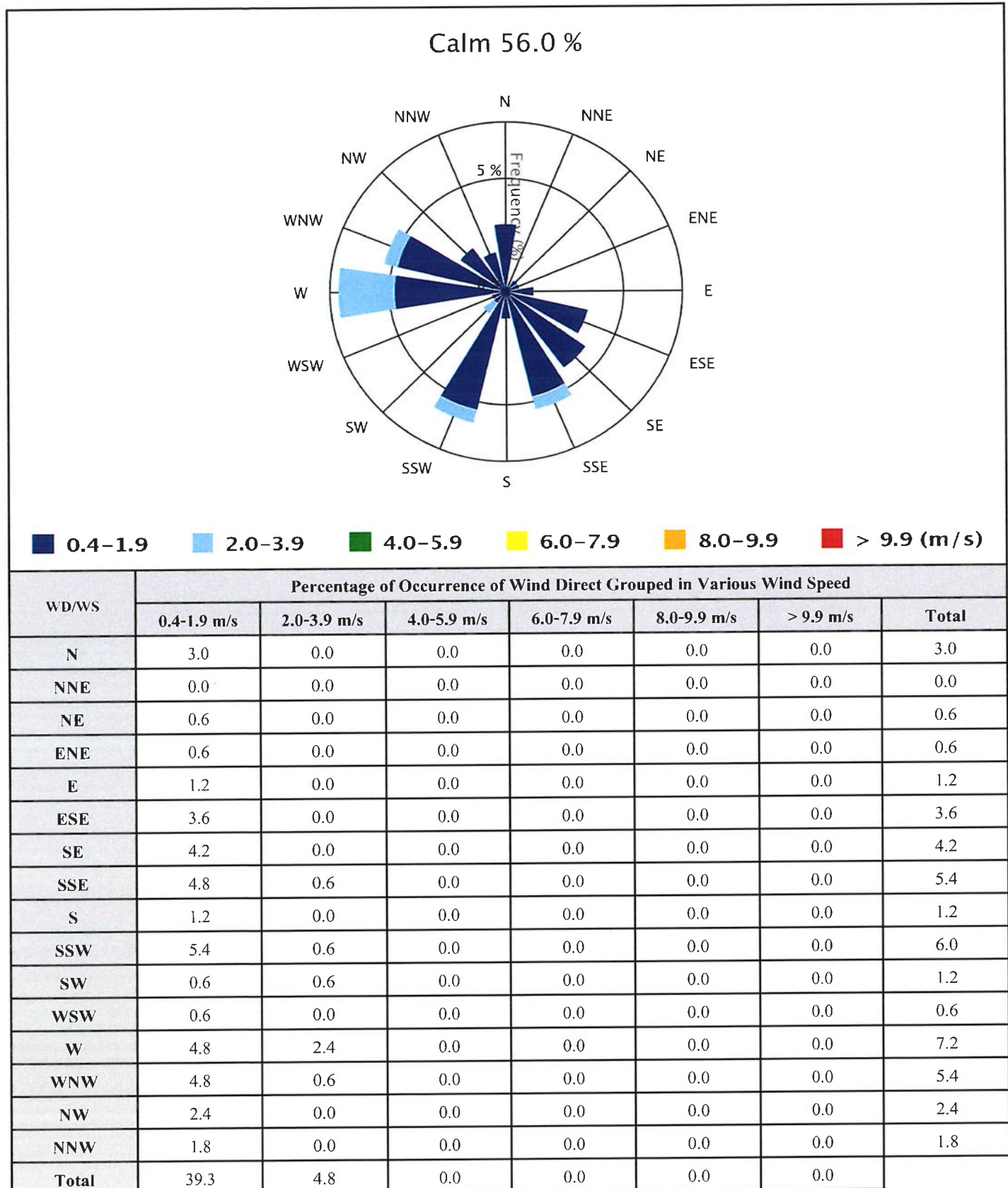
Request No. LA68-R09247

PTT Global Chemical Public Company Limited Branch 19 (GC 19)

Sample No. 36134

Sampling Source : วัดมาบขุด

Sampling Date : September 17-24, 2025



Wind Speed & Wind Direction

Request No. LA68-R09247

PTT Global Chemical Public Company Limited Branch 19 (GC 19)

Sample No. 36134

Sampling Source : วัดมาบชูด

Sampling Date : September 17-24, 2025

Time	September 17-18, 2025		September 18-19, 2025		September 19-20, 2025		September 20-21, 2025		September 21-22, 2025		September 22-23, 2025		September 23-24, 2025	
	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	0.0	-	0.4	WNW	0.9	SSE	0.9	SSE	0.9	WNW	0.9	N	1.3	WNW
11:00-12:00	0.0	-	0.9	ESE	0.9	SSE	0.9	SSE	0.4	NW	0.9	SE	0.9	WNW
12:00-13:00	0.0	-	0.9	SSE	0.4	SSW	1.3	WNW	0.9	SSW	1.3	WNW	1.8	WNW
13:00-14:00	1.8	W	1.3	SSW	1.3	SSW	2.7	W	1.3	S	2.2	W	1.3	NW
14:00-15:00	0.9	NW	1.8	SSW	1.8	SSW	1.3	W	2.2	SSW	2.7	W	2.2	SW
15:00-16:00	0.4	N	1.3	SSW	2.2	SSE	0.0	-	0.4	SW	1.8	W	2.2	W
16:00-17:00	0.4	NNW	1.3	WSW	1.3	S	0.0	-	0.4	NNW	2.2	WNW	1.8	W
17:00-18:00	0.9	ESE	1.3	SSW	1.3	SE	0.0	-	0.4	NNW	0.9	NW	1.3	W
18:00-19:00	0.9	ESE	1.8	SSE	1.3	SE	0.0	-	0.0	-	0.4	W	1.3	SE
19:00-20:00	0.9	SE	1.3	SSW	0.4	E	0.0	-	0.0	-	0.0	-	0.4	SE
20:00-21:00	0.9	ESE	0.9	SE	0.4	ESE	0.0	-	0.0	-	0.0	-	0.0	-
21:00-22:00	0.0	-	0.4	E	0.0	-	0.0	-	0.0	-	0.0	-	0.4	ENE
22:00-23:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
23:00-00:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
00:00-01:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
01:00-02:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
02:00-03:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
03:00-04:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
04:00-05:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
05:00-06:00	0.0	-	0.4	SSE	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
06:00-07:00	0.0	-	0.9	SSE	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
07:00-08:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
08:00-09:00	0.4	NE	0.0	-	0.0	-	0.0	-	0.0	-	0.4	WNW	0.4	W
09:00-10:00	0.4	N	0.0	-	0.4	ESE	0.0	-	0.4	N	0.9	N	1.3	W

Request No. LA68-0949

Report No. 6809-0221

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
 ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
 SAMPLE SOURCE : GC 19
 SAMPLE POINT : ปล่องของระบบ TO
 SAMPLING DATE : 18/09/2025
 RECEIVED DATE : 22/09/2025
 TESTED DATE : 22-25/09/2025
 STACK DESCRIPTION@

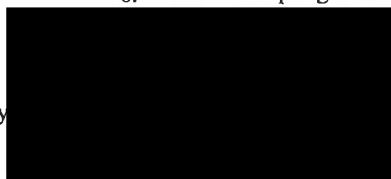
Height :	60.00	m	Type of Process :	Combustion
Diameter :	2.70	m	Type of Fuel :	Natural Gas
Temperature :	430.00	°C	Oxygen Content :	3.81 %
Air Velocity :	10.51	m/s	Barometric Pressure :	754.00 mmHg
Flow rate ² :	23.69	m ³ /s	Atmospheric Temperature :	32.00 °C
Moisture Content :	6.33	%		

PARAMETER	TEST METHOD	TIME	RESULT ²		STD ¹	UNIT
			3.81 % O ₂	7 % O ₂		
Total Suspended Particulate (TSP)	Isokinetic, Gravimetric (U.S. EPA Method 5)	09:40-10:25	0.8	0.7	320, 113 ³	mg/m ³
			0.019 [@]	-	2.866 ³	g/s
Oxides of Nitrogen (NO _x as NO ₂)	Absorption, Phenoldisulfonic Acid (U.S. EPA Method 7)	09:50-09:55	8.2	6.7	376, 28.6 ³	mg/m ³
			4.4	3.6	200, 15.2 ³	ppm
			0.194 [@]	-	0.725 ³	g/s

REMARK:

- ¹ Notification of The Ministry of Industry B.E. 2549 (2006)
- ² Standard Condition (Temperature 25°C, Pressure 760 mmHg) and Dry Basis
- ³ ค่ากำหนดตามรายงานการประเมินผลกระทบสิ่งแวดล้อม (EIA)
- [@] These Data Outside The Scope of The Registration of The Department of Industrial Works.
- Sampling By Mr. Warakorn Vitayasevee (ว-003-ค-0021)
- GPS = Sampling at UTM 47P 731246E 1406443N

Examined By



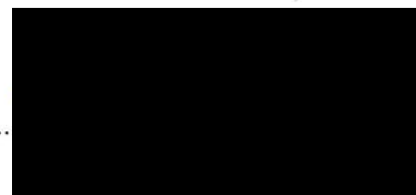
(ว-003-ค-0007)

29/09/2025



Approved By....

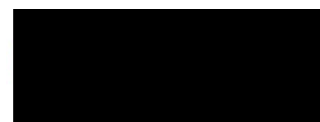
บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด



(ว-003-ค-0013)

29/09/2025

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Request No. LA68-0949

Report No. 6809-0223

TEST REPORT

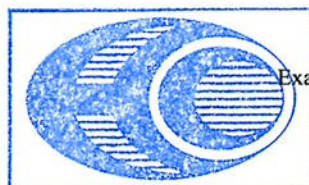
CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
 ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
 SAMPLE SOURCE : GC 19
 SAMPLE POINT : ปล่องของระบบ TO SAMPLE NO. : 04434
 SAMPLING DATE : 18/09/2025 SAMPLING TIME : 09:40-10:10
 RECEIVED DATE : 22/09/2025 REPORTED DATE : 29/09/2025
 TESTED DATE : 22-27/09/2025
 STACK DESCRIPTION

Height :	60.00	m	Type of Process :	Combustion
Diameter :	2.70	m	Type of Fuel :	Natural Gas
Temperature :	430.00	°C	Oxygen Content :	3.81 %
Air Velocity :	10.51	m/s	Barometric Pressure :	754.00 mmHg
Flow rate ² :	23.69	m ³ /s	Atmospheric Temperature :	32.00 °C
Moisture Content :	6.33	%		

PARAMETER	TEST METHOD	TIME	RESULT ²		STD ¹	UNIT
			3.81 % O ₂	7 % O ₂		
Total Volatile Organic Compounds (TVOCs) ⁴	U.S.EPA Method 25 A	09:40-10:10	4.83	3.93	-, ³	mg/m ³
			2.68	2.18	-, ³	ppm
			0.114	-	2.383 ³	g/s

REMARK:

- ¹ Notification of The Ministry of Industry B.E. 2549 (2006)
- ² Standard Condition (Temperature 25°C, Pressure 760 mmHg) and Dry Basis
- ³ ค่ากำหนดตามรายงานการประเมินผลกระทบสิ่งแวดล้อม (EIA)
- ⁴ Sampling by Eastern Thai Consulting 1992 Co.,Ltd. (Mr.Warakorn Vitayasevee)
Analysed By SECOT Co.,Ltd.
- GPS = Sampling at UTM 47P 731246E 1406443N



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By..

29/09/2025

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Request No. LA68-0949

Report No. 6809-0222

TEST REPORT

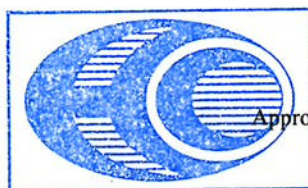
CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
SAMPLE SOURCE : GC 19
SAMPLE POINT : ปล่องของระบบ TO SAMPLE NO. : 04433
SAMPLING DATE : 18/09/2025 SAMPLING TIME : 09:40-10:10
RECEIVED DATE : 22/09/2025 REPORTED DATE : 29/09/2025
TESTED DATE : 22-25/09/2025
STACK DESCRIPTION@

Height :	60.00	m	Type of Process :	Combustion
Diameter :	2.70	m	Type of Fuel :	Natural Gas
Temperature :	430.00	°C	Oxygen Content :	3.81 %
Air Velocity :	10.51	m/s	Barometric Pressure :	754.00 mmHg
Flow rate ² :	23.69	m ³ /s	Atmospheric Temperature :	32.00 °C
Moisture Content :	6.33	%		

PARAMETER	TEST METHOD	TIME	RESULT ²		STD ¹	UNIT
			3.81 % O ₂	7 % O ₂		
Carbon monoxide	Non-Dispersive Infrared	09:40-10:10	10.3	8.4	790	mg/m ³
(CO)	(U.S. EPA Method 10)		9.0	7.3	690	ppm

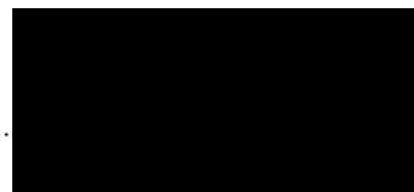
- REMARK:**
- ¹ Notification of The Ministry of Industry B.E. 2549 (2006)
 - ² Standard Condition (Temperature 25°C, Pressure 760 mmHg) and Dry Basis
 - ³ These Data Outside The Scope of The Registration of The Department of Industrial Works.
 - Sampling By Mr. Warakorn Vitayasevee (ว-003-ค-0021)
 - GPS = Sampling at UTM 47P 731246E 1406443N

Examined By.

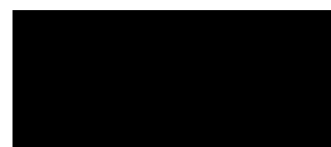
(ว-003-ค-0007)
29/09/2025

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By..

(ว-003-ค-0013)
29/09/2025

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Request No. LA68-0948

Report No. 6809-0224

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
 ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
 SAMPLE SOURCE : GC 19
 SAMPLE POINT : ปล่อง Liquid Incinerator SAMPLE NO. : 04427-04428
 SAMPLING DATE : 18/09/2025 SAMPLING TIME : 10:10-10:58
 RECEIVED DATE : 22/09/2025 REPORTED DATE : 29/09/2025
 TESTED DATE : 22-25/09/2025
 STACK DESCRIPTION[@]

Height :	60.00	m	Type of Process :	Combustion
Diameter :	3.90	m	Type of Fuel :	Natural Gas
Temperature :	355.00	°C	Oxygen Content :	8.89 %
Air Velocity :	6.55	m/s	Barometric Pressure :	754.00 mmHg
Flow rate ² :	32.65	m ³ /s	Atmospheric Temperature :	35.00 °C
Moisture Content :	11.17	%		

PARAMETER	TEST METHOD	TIME	RESULT ²		STD ¹	UNIT
			8.89 % O ₂	7 % O ₂		
Total Suspended Particulate	Isokinetic, Gravimetric	10:10-10:58	0.7	0.8	35, 28 ³	mg/m ³
(TSP)	(U.S. EPA Method 5)		0.023 [@]	-	0.880 ³	g/s
Oxides of Nitrogen	Absorption, Phenoldisulfonic	10:20-10:25	<2.0	<2.3	150, 15.7 ³	mg/m ³
(NO _x as NO ₂)	Acid (U.S. EPA Method 7)		<1.0	<1.2	79.7, 8.3 ³	ppm
			<0.065 [@]	-	0.490 ³	g/s

REMARK:

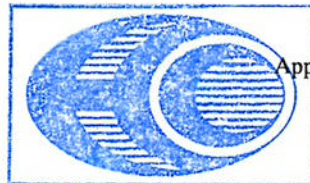
- ¹ Notification of The Ministry of Industry B.E. 2545 (2002)
- ² Standard Condition (Temperature 25°C, Pressure 760 mmHg) and Dry Basis
- ³ ค่ากำหนดตามรายงานการประเมินผลกระทบสิ่งแวดล้อม (EIA)
- [@] These Data Outside The Scope of The Registration of The Department of Industrial Works.
- Sampling By Mr. Nitchaphon Tonglor (จ-003-ค-0032)
- GPS = Sampling at UTM 47P 731287E 1406416N

Examined By



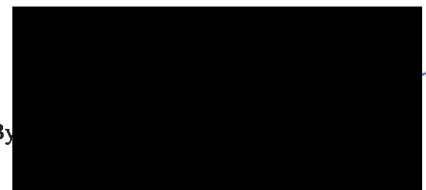
(จ-003-ค-0007)

29/09/2025



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By



(จ-003-ค-0013)

29/09/2025

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Request No. LA68-0948

Report No. 6809-0225

TEST REPORT

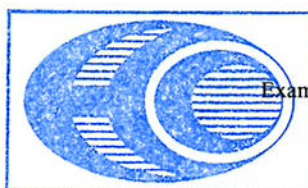
CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
 ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
 SAMPLE SOURCE : GC 19
 SAMPLE POINT : ปล่อง Liquid Incinerator SAMPLE NO. : 04429
 SAMPLING DATE : 18/09/2025 SAMPLING TIME : 10:10-10:40
 RECEIVED DATE : 22/09/2025 REPORTED DATE : 29/09/2025
 TESTED DATE : 22-27/09/2025
 STACK DESCRIPTION

Height :	60.00	m	Type of Process :	Combustion
Diameter :	3.90	m	Type of Fuel :	Natural Gas
Temperature :	355.00	°C	Oxygen Content :	8.89 %
Air Velocity :	6.55	m/s	Barometric Pressure :	754.00 mmHg
Flow rate ² :	32.65	m ³ /s	Atmospheric Temperature :	35.00 °C
Moisture Content :	11.17	%		

PARAMETER	TEST METHOD	TIME	RESULT ²		STD ¹	UNIT
			8.89 % O ₂	7 % O ₂		
Total Volatile Organic Compounds (TVOCs) ⁴	U.S.EPA Method 25 A	10:10-10:40	41.06	47.52	-, ^{1/3}	mg/m ³
			22.77	26.35	-, ^{1/3}	ppm
			1.341	-	2.989 ³	g/s

REMARK:

- ^{1/} Notification of The Ministry of Industry B.E. 2545 (2002)
- ^{2/} Standard Condition (Temperature 25°C, Pressure 760 mmHg) and Dry Basis
- ^{3/} ค่ากำหนดตามรายงานการประเมินผลกระทบสิ่งแวดล้อม (EIA)
- ^{4/} Sampling by Eastern Thai Consulting 1992 Co.,Ltd. (Mr. Nitchaphon Tonglor)
Analysed By SECOT Co.,Ltd.
- GPS = Sampling at UTM 47P 731287E 1406416N



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By

29/09/2025

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Request No. LA68-0948

Report No. 6809-0226

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
 ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
 SAMPLE SOURCE : GC 19
 SAMPLE POINT : ปล่อง Liquid Incinerator
 SAMPLING DATE : 18/09/2025
 RECEIVED DATE : 22/09/2025
 TESTED DATE : 22-25/09/2025
 STACK DESCRIPTION@

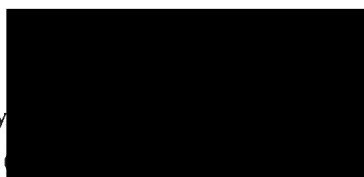
Height :	60.00	m	Type of Process :	Combustion
Diameter :	3.90	m	Type of Fuel :	Natural Gas
Temperature :	355.00	°C	Oxygen Content :	8.89 %
Air Velocity :	6.55	m/s	Barometric Pressure :	754.00 mmHg
Flow rate ^{/2} :	32.65	m ³ /s	Atmospheric Temperature :	35.00 °C
Moisture Content :	11.17	%		

PARAMETER	TEST METHOD	TIME	RESULT ²		STD ¹	UNIT
			8.89 % O ₂	7 % O ₂		
Carbon monoxide	Non-Dispersive Infrared	10:10-10:40	75.0	86.8	115	mg/m ³
(CO)	(U.S. EPA Method 10)		65.5	75.8	100	ppm

REMARK:

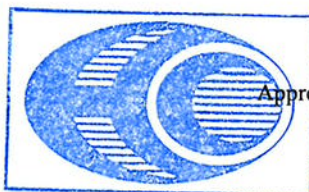
- ¹ Notification of The Ministry of Industry B.E. 2545 (2002)
- ² Standard Condition (Temperature 25°C, Pressure 760 mmHg) and Dry Basis
- [@] These Data Outside The Scope of The Registration of The Department of Industrial Works.
- Sampling By Mr. Nitchaphon Tonglor (ว-003-ค-0032)
- GPS = Sampling at UTM 47P 731287E 1406416N

Examined By



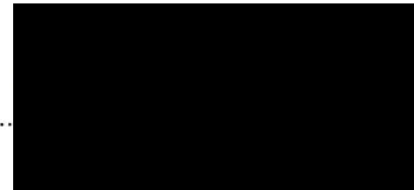
(ว-003-ค-0007)

29/09/2025



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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(ว-003-ค-0013)

29/09/2025

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Test Report

Request No : W6807493

Report No : 6807-1747

Customer : PTT Global Chemical Public Company Limited Branch 19**
Address : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150**
Sampling Source : GC 19** Sample No : W 68071681
Sample Name : Final Check Basin** Sampling Date : 17/07/2025**
Sampling By : ETC** Sampling Time : 10:20 AM**
Sampling Method : Grab** Received Date : 18/07/2025
Tested Date : 18/07/2025 - 25/07/2025 Reported Date : 26/07/2025

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)	< 40	≤750
Oil and Grease *	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	8.6	5.5 - 9
Phenol *	mg/L	Distillation, Direct Photometric Method (SM:5530B,D)	0.040	≤1
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	31	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	472	≤3000

Physical Apperance : 1. Sample : yellow, lightly SS

2. Container : Normal [PE 0.5 L (2 Bottle) , PE 1.8 L , G 1.0 L]

Remark : 1. /1 Eastern Industrial Estate (Map ta Phut) , Maximum levels for Wastewater Discharging to Central Wastewater Treatment Plant

2. # = 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. Parkpoom Buasawad (จ-003-ก-0017)*

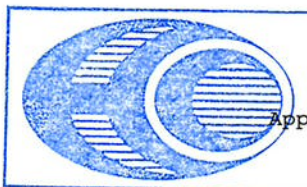
5. ** = These data are non laboratory data.

Examined By

(0

(จ-003-ก-0007)

26/07/2025



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(จ-003-ก-0005)

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ACCREDITED
ISO 9001 / ISO 14001

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



TESTING
No.0159

Test Report

Request No : W6807493

Report No : 6807-1747

Customer : PTT Global Chemical Public Company Limited Branch 19**
Address : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150**
Sampling Source : GC 19** Sample No : W 68071681
Sample Name : Final Check Basin** Sampling Date : 17/07/2025**
Sampling By : ETC** Sampling Time : 10:20 AM**
Sampling Method : Grab** Received Date : 18/07/2025
Tested Date : 18/07/2025 - 25/07/2025 Reported Date : 26/07/2025

Parameter	Unit	Method	Result	Standard/ ¹
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	5	≤200

Physical Apperance : 1. Sample : yellow, lightly SS

2. Container : Normal [PE 0.5 L (2 Bottle) , PE 1.8 L , G 1.0 L]

Remark : 1. /1 Eastern Industrial Estate (Map ta Phut) , Maximum levels for Wastewater Discharging to Central Wastewater Treatment Plant

2. # = 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. Parkpoom Buasawad (จ-003-ท-0017)*

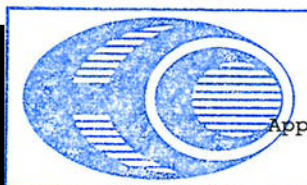
5. ** = These data are non laboratory data.

Examined By :

(M

(จ-003-ท-0007)

26/07/2025



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Approved By

(M

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Test Report

Request No : W6809004

Report No : 6809-0774

Customer : PTT Global Chemical Public Company Limited Branch 19**
Address : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150**
Sampling Source : GC 19** Sample No : W 68090017
Sample Name : Final Check Basin** Sampling Date : 30/08/2025**
Sampling By : ETC** Sampling Time : 1:50 PM**
Sampling Method : Grab** Received Date : 01/09/2025
Tested Date : 01/09/2025 - 06/09/2025 Reported Date : 11/09/2025

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	7.9	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤750
Oil and Grease @	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	9.0	5.5 - 9
Phenol *	mg/L	Distillation, Direct Photometric Method (SM:5530B,D)	< 0.005	≤1
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	32	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	351	≤3000

Physical Apperance : 1. Sample : Wastewater (yellow, lightly SS)

2. Container : Normal [PE 0.5 L(3 Bottle) , PE 1.8 L , G 1.0 L]

Remark : 1. /1 Eastern Industrial Estate (Map ta Phut) , Maximum levels for Wastewater Discharging to Central Wastewater Treatment Plant

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

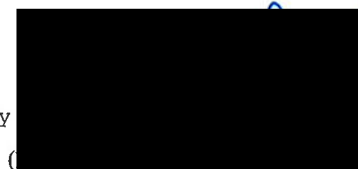
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

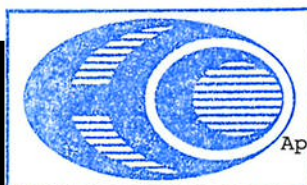
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang (จ-003-ค-0031)*

5. ** = These data are non laboratory data.

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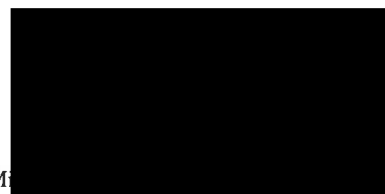


(จ-003-ค-0007)
11/09/2025



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Approved By



(M

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Test Report

Customer : PTT Global Chemical Public Company Limited Branch 19**
Address : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150**
Sampling Source : GC 19**
Sample Name : Final Check Basin**
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 01/09/2025 - 06/09/2025

Request No : W6809004
Report No : 6809-0774
Sample No : W 68090017
Sampling Date : 30/08/2025**
Sampling Time : 1:50 PM**
Received Date : 01/09/2025
Reported Date : 11/09/2025

Parameter	Unit	Method	Result	Standard ¹
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	7	≤200

Physical Apperance : 1. Sample : Wastewater (yellow, lightly SS)

2. Container : Normal [PE 0.5 L(3 Bottle) , PE 1.8 L , G 1.0 L]

Remark : 1. /I Eastern Industrial Estate (Map ta Phut) , Maximum levels for Wastewater Discharging to Central Wastewater Treatment Plant

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 (จ-003-ก-0031)*

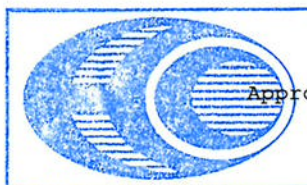
5. ** = These data are non laboratory data.

Examined By :

(Miss

(จ-003-ก-0007)

11/09/2025



Approved By

(M

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Test Report

Request No : W6809311

Report No : 6809-2013

Customer : PTT Global Chemical Public Company Limited Branch 19**
Address : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150**
Sampling Source : GC 19**
Sample Name : Final Check Basin**
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 11/09/2025 - 19/09/2025

Sample No : W 68091027
Sampling Date : 10/09/2025**
Sampling Time : 11:35 AM**
Received Date : 11/09/2025
Reported Date : 19/09/2025

Parameter	Unit	Method	Result	Standard/ ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	9.0	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	53	≤750
Oil and Grease @	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.9	5.5 - 9
Phenol *	mg/L	Distillation, Direct Photometric Method (SM:5530B,D)	0.113	≤1
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	30	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	534	≤3000

Physical Appearance : 1. Sample : Wastewater (yellowish, lightly SS)

2. Container : Normal [PE 0.5 L(2 Bottle) , PE 1.8 L , G 1.0 L]

Remark : 1. /1 Eastern Industrial Estate (Map ta Phut) , Maximum levels for Wastewater Discharging to Central Wastewater Treatment Plant

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 (จ-003-ก-0031)*

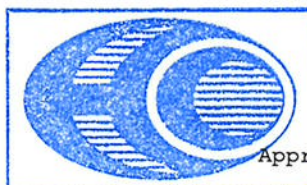
5. ** = These data are non laboratory data.

Examined By :

(M

(จ-003-ก-0007)

19/09/2025



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Approved By

(M

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Test Report

Request No : W6809311

Report No : 6809-2013

Customer : PTT Global Chemical Public Company Limited Branch 19**
Address : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150**
Sampling Source : GC 19**
Sample Name : Final Check Basin**
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 11/09/2025 - 19/09/2025

Sample No : W 68091027
Sampling Date : 10/09/2025**
Sampling Time : 11:35 AM**
Received Date : 11/09/2025
Reported Date : 19/09/2025

Parameter	Unit	Method	Result	Standard/ ¹
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	6	≤200

Physical Apperance : 1. Sample : Wastewater (yellowish, lightly SS)

2. Container : Normal [PE 0.5 L(2 Bottle) , PE 1.8 L , G 1.0 L]

Remark : 1. /1 Eastern Industrial Estate (Map ta Phut) , Maximum levels for Wastewater Discharging to Central Wastewater Treatment Plant

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.

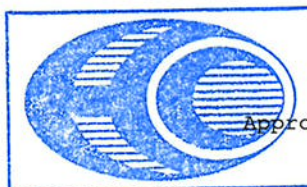
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang (๑-003-๓-0031)*

5. ** = These data are non laboratory data.

Examined By :

(Miss

(๑-003-๓-0007)
19/09/2025



Approved By

(Miss

บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

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Test Report

Request No : W6810398

Report No : 6811-0057

Customer : PTT Global Chemical Public Company Limited Branch 19**
Address : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150**
Sampling Source : GC 19** Sample No : W 68101299
Sample Name : Final Check Basin** Sampling Date : 14/10/2025**
Sampling By : ETC** Sampling Time : 11:15 AM**
Sampling Method : Grab** Received Date : 15/10/2025
Tested Date : 15/10/2025 - 24/10/2025 Reported Date : 24/10/2025

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	12.9	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	80	≤750
Oil and Grease @	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.5	5.5 - 9
Phenol *	mg/L	Distillation, Direct Photometric Method (SM:5530B,D)	< 0.005	≤1
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	31	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	670	≤3000

Physical Apperance : 1. Sample : Wastewater (yellowish, lightly SS)

2. Container : Normal [PE 0.5 L [2 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Eastern Industrial Estate (Map ta Phut) , Maximum levels for Wastewater Discharging to Central Wastewater Treatment Plant

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.

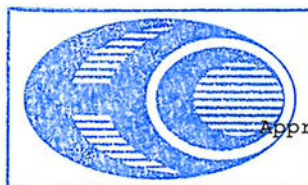
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Aocha Khwansirimongkhon (จ-003-ก-0034)*

5. ** = These data are non laboratory data.

Examined By :

(Mis

(จ-003-ก-0007)
24/10/2025



Approved By

(M

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
WITHOUT THE WRITTEN APPROVAL LABORATORY

Test Report

Customer : PTT Global Chemical Public Company Limited Branch 19**
Address : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150**
Sampling Source : GC 19**
Sample Name : Final Check Basin**
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 15/10/2025 - 24/10/2025

Request No : W6810398
Report No : 6811-0057
Sample No : W 68101299
Sampling Date : 14/10/2025**
Sampling Time : 11:15 AM**
Received Date : 15/10/2025
Reported Date : 24/10/2025

Parameter	Unit	Method	Result	Standard ¹
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	37	≤200

Physical Apperance : 1. Sample : Wastewater (yellowish, lightly SS)

2. Container : Normal [PE 0.5 L [2 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Eastern Industrial Estate (Map ta Phut) , Maximum levels for Wastewater Discharging to Central Wastewater Treatment Plant

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.

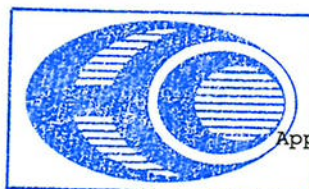
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Aocha Khwansirimongkhon (จ-003-ก-0034)*

5. ** = These data are non laboratory data.

Examined By :

(Miss

(จ-003-ก-0007)
24/10/2025



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss

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Test Report

Customer : PTT Global Chemical Public Company Limited Branch 19**
Address : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150**
Sampling Source : GC 19** Sample No : W 68111638
Sample Name : Final Check Basin** Sampling Date : 20/11/2025**
Sampling By : ETC** Sampling Time : 12:05 PM**
Sampling Method : Grab** Received Date : 21/11/2025
Tested Date : 21/11/2025 - 28/11/2025 Reported Date : 29/11/2025

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	4.4	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	41	≤750
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
Phenol *	mg/L	Distillation, Direct Photometric Method (SM:5530B,D)	0.010	≤1
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	30	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	286	≤3000

Physical Apperance : 1. Sample : Wastewater (yellow, lightly SS)

2. Container : Normal [PE 0.5 L [2 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Eastern Industrial Estate (Map ta Phut) , Maximum levels for Wastewater Discharging to Central Wastewater Treatment Plant

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.

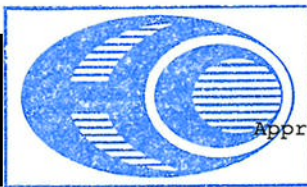
4. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakusolkul (จ-003-ก-0036)*

5. ** = These data are non laboratory data.

Examined By :

(M

(จ-003-ก-0007)
29/11/2025



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Approved By

(M

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Test Report

Customer : PTT Global Chemical Public Company Limited Branch 19**
Address : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150**
Sampling Source : GC 19** Sample No : W 68111638
Sample Name : Final Check Basin** Sampling Date : 20/11/2025**
Sampling By : ETC** Sampling Time : 12:05 PM**
Sampling Method : Grab** Received Date : 21/11/2025
Tested Date : 21/11/2025 - 28/11/2025 Reported Date : 29/11/2025

Parameter	Unit	Method	Result	Standard ¹
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	11	≤200

Physical Apperance : 1. Sample : Wastewater (yellow, lightly SS)

2. Container : Normal [PE 0.5 L [2 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Eastern Industrial Estate (Map ta Phut) , Maximum levels for Wastewater Discharging to Central Wastewater Treatment Plant

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 Miss Pornpinan Viriyakusolkul (จ-003-ท-0036)*

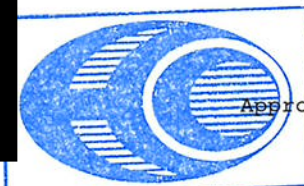
5. ** = These data are non laboratory data.

Examined By :

(Miss [Redacted])

(จ-003-ท-0007)

29/11/2025



Approved By



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Test Report

Request No : W6812114

Report No : 6812-1077

Customer : PTT Global Chemical Public Company Limited Branch 19**
Address : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150**
Sampling Source : GC 19** Sample No : W 68120396
Sample Name : Final Check Basin** Sampling Date : 03/12/2025**
Sampling By : ETC** Sampling Time : 11:10 AM**
Sampling Method : Grab** Received Date : 04/12/2025
Tested Date : 04/12/2025 - 13/12/2025 Reported Date : 15/12/2025

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	9.8	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤750
Oil and Grease @	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	8.5	5.5 - 9
Phenol *	mg/L	Distillation, Direct Photometric Method (SM:5530B,D)	< 0.005	≤1
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	29	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	400	≤3000

Physical Appearance : 1. Sample : Wastewater (yellow, lightly SS)

2. Container : Normal [PE 0.5 L [3 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Eastern Industrial Estate (Map ta Phut), Maximum levels for Wastewater Discharging to Central Wastewater Treatment Plant

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 (๖-003-๓-0031)*

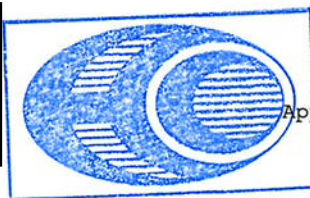
5. ** = These data are non laboratory data.

Examined By :

(M

(๖-003-๓-0007)

15/12/2025



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Approved By :

(Mis

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Test Report

Request No : W6812114

Report No : 6812-1077

Customer : PTT Global Chemical Public Company Limited Branch 19**
Address : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150**
Sampling Source : GC 19** Sample No : W 68120396
Sample Name : Final Check Basin** Sampling Date : 03/12/2025**
Sampling By : ETC** Sampling Time : 11:10 AM**
Sampling Method : Grab** Received Date : 04/12/2025
Tested Date : 04/12/2025 - 13/12/2025 Reported Date : 15/12/2025

Parameter	Unit	Method	Result	Standard/ ¹
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	<5	≤200

Physical Apperance : 1. Sample : Wastewater (yellow, lightly SS)

2. Container : Normal [PE 0.5 L [3 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Eastern Industrial Estate (Map ta Phut) , Maximum levels for Wastewater Discharging to Central Wastewater Treatment Plant

2. @ = ISO/IEC 17025:2017 Accredited by TISIL, # = ISO/IEC 17025:2017 Accredited by DSS,

SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

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4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang (จ-003-ค-0031)*

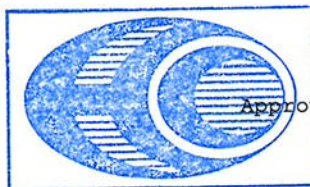
5. ** = These data are non laboratory data.

Examined By :

(Miss

(จ-003-ค-0007)

15/12/2025



Approved By :

(Miss

(จ

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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



TESTING
No.0159

Test Report

Request No : W6807493

Report No : 6807-1749

Customer : PTT Global Chemical Public Company Limited Branch 19**
Address : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150**
Sampling Source : GC 19** Sample No : W 68071683
Sample Name : Cooling Water Blowdown** Sampling Date : 17/07/2025**
Sampling By : ETC** Sampling Time : 10:00 AM**
Sampling Method : Grab** Received Date : 18/07/2025
Tested Date : 18/07/2025 - 24/07/2025 Reported Date : 26/07/2025

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	< 2.0	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤750
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
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	32	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	662	≤3000
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	5	≤200

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [PE 0.5 L (2 Bottle) , PE 1.8 L , G 1.0 L]

Remark : 1. /1 Eastern Industrial Estate (Map ta Phut) , Maximum levels for Wastewater Discharging to Central Wastewater Treatment Plant

2. # = 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. Parkpoom Buasawad (จ-003-ท-0017)*

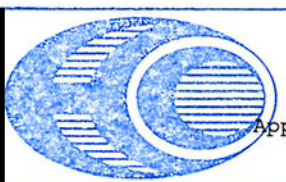
5. ** = These data are non laboratory data.

Examined By :

(Mis

(จ-003-ท-0007)

26/07/2025



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Approved By :

(Mis

(จ-003-ท-0005)

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Test Report

Request No : W6808188

Report No : 6808-1264

Customer : PTT Global Chemical Public Company Limited Branch 19**
Address : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150**
Sampling Source : GC 19** Sample No : W 68080551
Sample Name : Cooling Water Blowdown** Sampling Date : 06/08/2025**
Sampling By : ETC** Sampling Time : 9:50 AM**
Sampling Method : Grab** Received Date : 07/08/2025
Tested Date : 08/08/2025 - 14/08/2025 Reported Date : 14/08/2025

Parameter	Unit	Method	Result	Standard ¹
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)	70	≤750
Oil and Grease *	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.1	5.5 - 9
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	30	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	992	≤3000
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	6	≤200

Physical Appearance : 1. Sample : yellowish, lightly SS

2. Container : Normal [PE 0.5 L (3 Bottle) , PE 1.8 L , G 1.0 L]

Remark : 1. /1 Eastern Industrial Estate (Map ta Phut) , Maximum levels for Wastewater Discharging to Central Wastewater Treatment Plant

2. # = 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. Songpon Phiwan (จ-003-ท-0016)*

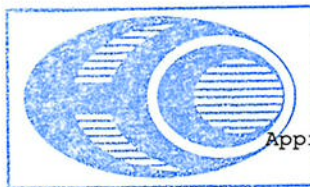
5. ** = These data are non laboratory data.

Examined By :

(Miss

(จ-003-ท-0007)

14/08/2025



Approved By :

(Miss

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Test Report

Request No : W6809311

Report No : 6809-2014

Customer : PTT Global Chemical Public Company Limited Branch 19**
Address : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150**
Sampling Source : GC 19**
Sample Name : Cooling Water Blowdown**
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 11/09/2025 - 19/09/2025

Sample No : W 68091028
Sampling Date : 10/09/2025**
Sampling Time : 11:15 AM**
Received Date : 11/09/2025
Reported Date : 19/09/2025

Parameter	Unit	Method	Result	Standard/ ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	< 2.0	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	60	≤750
Oil and Grease @	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	8.0	5.5 - 9
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	32	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	972	≤3000
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	10	≤200

Physical Apperance : 1. Sample : Wastewater (yellowish, lightly SS)

2. Container : Normal [PE 0.5 L(2 Bottle) , PE 1.8 L , G 1.0 L]

Remark : 1. /1 Eastern Industrial Estate (Map ta Phut) , Maximum levels for Wastewater Discharging to Central Wastewater Treatment Plant

2. @ = ISO/IEC 17025:2017 Accredited by TISI, # = ISO/IEC 17025:2017 Accredited by DSS,

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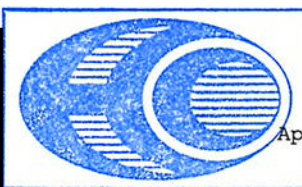
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang (จ-003-ก-0031)*

5. ** = These data are non laboratory data.

Examined By



(จ-003-ก-0007)
19/09/2025



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Approved By

(Mis

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Test Report

Request No : W6810398

Report No : 6811-0059

Customer : PTT Global Chemical Public Company Limited Branch 19**
Address : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150**
Sampling Source : GC 19**
Sample Name : Cooling Water Blowdown**
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 15/10/2025 - 24/10/2025

Sample No : W 68101301
Sampling Date : 14/10/2025**
Sampling Time : 11:05 AM**
Received Date : 15/10/2025
Reported Date : 24/10/2025

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	< 2.0	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	41	≤750
Oil and Grease @	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.0	5.5 - 9
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	33	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	892	≤3000
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	< 5	≤200

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

Remark : 1. /1 Eastern Industrial Estate (Map ta Phut) , Maximum levels for Wastewater Discharging to Central Wastewater Treatment Plant
2. @ = ISO/IEC 17025:2017 Accredited by TISIL, # = 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. Aocha Khwansirimongkhon (จ-003-ก-0034)*
5. ** = These data are non laboratory data.

Examined By :

(M

(จ-003-ก-0007)
24/10/2025



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Approved By

(M

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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



TESTING
No.0159

Request No : W6807493

Report No : 6807-1748

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 19**
Address : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150**
Sampling Source : GC 19** Sample No. : W 68071682
Sample Name : Salt Solution Package** Sampling Date : 17/07/2025**
Sampling By : ETC** Sampling Time : 10:10 AM**
Sampling Method : Grab** Received Date : 18/07/2025
Tested Date : 18/07/2025 – 25/07/2025 Reported Date : 26/07/2025

Parameter	Unit	Method	Result	Standard ^{1/,2}
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	< 2.0	≤ 20
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤ 120
Oil and Grease *	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 5
pH (on site) *		Electrometric Method	8.1	5.5-9.0
Phenol *	mg/L	Distillation, Direct Photometric Method (SM:5530B,D)	0.029	≤ 1
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	34	≤ 40
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	9,260	37,540***
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	18	≤ 50

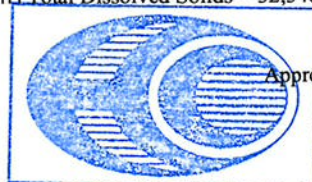
Physical Appearance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (2 Bottle), PE 1.8 L, G 1.0 L]

Remark : 1./1 Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)
2./2 Notification of the Ministry of Natural Resources and Environmental, B.E. 2559 (2016)
3. # = ISO/IEC 17025:2017 Accredited by DSS, SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023. / ** = These data are non laboratory data.
4. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.
5. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ค-0017)*
6. *** ของแข็งละลายน้ำทั้งหมด (Total Dissolved Solids) กรณีระบายลงแหล่งน้ำที่มีค่าของแข็งละลายน้ำทั้งหมดเกินกว่า 3,000 มิลลิกรัมต่อลิตร ค่าของแข็งละลายน้ำทั้งหมดในน้ำทิ้งที่จะระบายได้ต้องมีค่าเกินกว่าค่าของแข็งละลายน้ำทั้งหมดที่มีอยู่ในแหล่งน้ำนั้นไม่เกิน 5,000 มิลลิกรัมต่อลิตร (คลองบางเบิด บริเวณระยะยี่สิบห้ากิโลเมตร ตำบลบางเบิด อำเภอบางบาล จังหวัดพระนครศรีอยุธยา) ค่าของแข็งละลายน้ำทั้งหมดที่วัดได้คือ 32,540 มิลลิกรัมต่อลิตร ซึ่งเกินค่ามาตรฐานที่กำหนดไว้ 5,000 มิลลิกรัมต่อลิตร

Examined By

(จ-003-ค-0007)

26/07/2025



Approved By

(จ-003-ค-0005)

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WITHOUT THE WRITTEN APPROVAL LABORATORY

Request No : W6809004

TEST REPORT

Report No : 6809-0775

Customer	: PTT Global Chemical Public Company Limited Branch 19**	Sample No.	: W 68090018
Address	: 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150**	Sampling Date	: 30/08/2025**
Sampling Source	: GC 19**	Sampling Time	: 2:00 PM**
Sample Name	: Salt Solution Package**	Received Date	: 01/09/2025
Sampling By	: ETC**	Reported Date	: 11/09/2025
Sampling Method	: Grab**		
Tested Date	: 01/09/2025 – 06/09/2025		

Parameter	Unit	Method	Result	Standard ^{1,2}
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	< 2.0	≤ 20
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤ 120
Oil and Grease @	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 5
pH (on site) *		Electrometric Method	7.2	5.5-9.0
Phenol *	mg/L	Distillation, Direct Photometric Method (SM:5530B,D)	0.011	≤ 1
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	32	≤ 40
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	2,228	42,680***
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	25	≤ 50

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

Remark : 1./1 Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)
2./2 Notification of the Ministry of Natural Resources and Environmental, B.E. 2559 (2016)
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 Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.
5. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang (จ-003-ค-0031)*
6. ** = These data are non laboratory data.
7. *** ของแข็งละลายน้ำทั้งหมด (Total Dissolved Solids) กรณีระบายลงแหล่งน้ำที่มีค่าของแข็งละลายน้ำทั้งหมดเกินกว่า 3,000 มิลลิกรัมต่อลิตร ค่าของแข็งละลายน้ำทั้งหมดในน้ำทิ้งที่จะระบายได้ต้องมีค่าเกินกว่าค่าของแข็งละลายน้ำทั้งหมดที่มีอยู่ในแหล่งน้ำนั้นไม่เกิน 5,000 มิลลิกรัมต่อลิตร (คลองบางเบิด บริเวณระยะห่างจากจุดระบายน้ำทิ้งของนิคม

Examined By

(M

(จ-003-ค-0007)

11/09/2025



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By

(M

(จ-003-ค-0005)

11/

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Request No : W6809565

TEST REPORT

Report No : 6810-0273

Customer : PTT Global Chemical Public Company Limited Branch 19**
Address : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150**
Sampling Source : GC 19** Sample No. : W 68091803
Sample Name : Salt Solution Package** Sampling Date : 22/09/2025**
Sampling By : ETC** Sampling Time : 11:20 AM**
Sampling Method : Grab** Received Date : 23/09/2025
Tested Date : 23/09/2025 – 01/10/2025 Reported Date : 01/10/2025

Parameter	Unit	Method	Result	Standard ^{1/,2}
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	< 2.0	≤ 20
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤ 120
Oil and Grease @	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 5
pH (on site) *		Electrometric Method	7.6	5.5-9.0
Phenol *	mg/L	Distillation, Direct Photometric Method (SM:5530B,D)	0.026	≤ 1
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	34	≤ 40
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	5,974	39,820***
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	54	≤ 50

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

- Remark :
1./1 Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)
2./2 Notification of the Ministry of Natural Resources and Environmental, B.E. 2559 (2016)
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 Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.
5. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan (จ-003-ค-0016)*
6. ** = These data are non laboratory data.
7. *** ของแข็งละลายน้ำทั้งหมด (Total Dissolved Solids) กรณีระบายลงแหล่งน้ำที่มีค่าของแข็งละลายน้ำทั้งหมดเกินกว่า 3,000 มิลลิกรัมต่อลิตร ค่าของแข็งละลายน้ำทั้งหมดในน้ำทิ้งที่ระบายได้ต้องมีค่าเกินกว่าค่าของแข็งละลายน้ำทั้งหมดที่มีอยู่ในแหล่งน้ำนั้น ไม่เกิน 5,000 มิลลิกรัมต่อลิตร (คลองบางเบิด บริเวณระยะห่างจากจุดระบายน้ำทิ้งของนิคม

Examined By ...
(N-003-ค-0007)
01/10/2025



Approved By ...
(จ-003-ค-0005)

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Request No : W6810398

Report No : 6811-0058

TEST REPORT

Customer	: PTT Global Chemical Public Company Limited Branch 19**	Sample No.	: W 68101300
Address	: 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150**	Sampling Date	: 14/10/2025**
Sampling Source	: GC 19**	Sampling Time	: 11:10 AM**
Sample Name	: Salt Solution Package**	Received Date	: 15/10/2025
Sampling By	: ETC**	Reported Date	: 24/10/2025
Sampling Method	: Grab**		
Tested Date	: 15/10/2025 – 24/10/2025		

Parameter	Unit	Method	Result	Standard ^{1,2}
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	< 2.0	≤ 20
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤ 120
Oil and Grease @	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 5
pH (on site) *		Electrometric Method	7.2	5.5-9.0
Phenol *	mg/L	Distillation, Direct Photometric Method (SM:5530B,D)	0.087	≤ 1
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	34	≤ 40
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	8,700	39,120***
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	7	≤ 50

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

- Remark :
- 1./1 Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)
 - 2./2 Notification of the Ministry of Natural Resources and Environmental, B.E. 2559 (2016)
 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 Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.
 5. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Aocha Khwansirimongkhon (จ-003-ค-0034)*
 6. ** = These data are non laboratory data.
 7. *** ของแข็งละลายน้ำทั้งหมด (Total Dissolved Solids) กรณีระบายลงแหล่งน้ำที่มีค่าของแข็งละลายน้ำทั้งหมดเกินกว่า 3,000 มิลลิกรัมต่อลิตร ค่าของแข็งละลายน้ำทั้งหมดในน้ำทิ้งที่จะระบายได้ต้องมีค่าเกินกว่าค่าของแข็งละลายน้ำทั้งหมดที่มีอยู่ในแหล่งน้ำนั้นไม่เกิน 5,000 มิลลิกรัมต่อลิตร (คลองบางมด บริเวณระยะห่างจากจุดระบายน้ำทิ้งของนิคม

Examined By ..

(
(จ-003-ค-0007)
24/10/2025



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Approved By ..

(จ-003-ค-0005)

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Request No. LA68-R09247

Report No. R6809-6331

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
 ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150
 SAMPLE SOURCE : GC19
 SAMPLE POINT : บริเวณริมรั้วโรงงานด้านทิศตะวันตก
 PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn} SAMPLE NO. : 36127
 DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 17-18/09/2025
 INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 24/09/2025
 S/N 00230987 : Class 1 REPORTED DATE : 01/10/2025

TIME \ DATE	17-18/09/2025 (L_{eq})	17-18/09/2025 (L_{max})	17-18/09/2025 (L_{90})	UNIT
14:00 - 15:00 ^{/3}	59.8	75.0	58.9	dB(A)
15:00 - 16:00	60.9	65.7	60.0	dB(A)
16:00 - 17:00	60.0	65.9	59.4	dB(A)
17:00 - 18:00	60.3	67.9	59.9	dB(A)
18:00 - 19:00	61.0	67.3	60.4	dB(A)
19:00 - 20:00	61.0	66.7	60.5	dB(A)
20:00 - 21:00	60.8	64.6	60.4	dB(A)
21:00 - 22:00	61.0	68.6	60.1	dB(A)
22:00 - 23:00	58.3	67.8	57.5	dB(A)
23:00 - 00:00	58.1	67.9	57.6	dB(A)
00:00 - 01:00	58.6	61.9	58.3	dB(A)
01:00 - 02:00	59.3	62.6	59.0	dB(A)
02:00 - 03:00	59.7	62.6	59.4	dB(A)
03:00 - 04:00	58.4	65.4	58.1	dB(A)
04:00 - 05:00	58.6	63.5	58.4	dB(A)
05:00 - 06:00	58.4	63.0	58.0	dB(A)
06:00 - 07:00	58.3	65.2	57.9	dB(A)
07:00 - 08:00	58.1	65.7	57.6	dB(A)
08:00 - 09:00	58.5	63.9	57.9	dB(A)
09:00 - 10:00	59.0	64.9	58.2	dB(A)
10:00 - 11:00	59.1	75.8	57.9	dB(A)
11:00 - 12:00	59.2	65.1	58.4	dB(A)
12:00 - 13:00	59.6	63.4	58.7	dB(A)
13:00 - 14:00	61.1	69.4	59.6	dB(A)
L_{eq} 24 hr.	59.6	-	-	dB(A)
L_{dn}	65.3	-	-	dB(A)
Maximum	-	75.8	-	dB(A)
Standard	$70^{/1}, 70^{/2}$	$115^{/1}, 115^{/2}$	-	dB(A)

REMARK : ^{/1} Notification of Office 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
(Measurement By Mr. Seksan Pluemwong)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(M)

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Request No. LA68-R09247

Report No. R6809-6332

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
 ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150
 SAMPLE SOURCE : GC19
 SAMPLE POINT : บริเวณริมรั้วโรงงานด้านทิศตะวันตก
 PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn} SAMPLE NO. : 36128
 DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 18-19/09/2025
 INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 24/09/2025
 S/N 00230987 : Class 1 REPORTED DATE : 01/10/2025

TIME \ DATE	18-19/09/2025 (L_{eq})	18-19/09/2025 (L_{max})	18-19/09/2025 (L_{90})	UNIT
14:00 - 15:00 ^{/3}	59.8	72.7	58.8	dB(A)
15:00 - 16:00	60.2	65.3	59.3	dB(A)
16:00 - 17:00	60.3	66.9	59.6	dB(A)
17:00 - 18:00	60.4	67.7	59.8	dB(A)
18:00 - 19:00	60.7	65.5	60.2	dB(A)
19:00 - 20:00	61.0	63.9	60.4	dB(A)
20:00 - 21:00	64.2	77.5	61.8	dB(A)
21:00 - 22:00	59.3	64.9	58.9	dB(A)
22:00 - 23:00	59.9	71.9	59.5	dB(A)
23:00 - 00:00	60.2	65.5	59.8	dB(A)
00:00 - 01:00	60.4	62.4	59.9	dB(A)
01:00 - 02:00	60.1	62.7	59.6	dB(A)
02:00 - 03:00	59.5	61.8	59.1	dB(A)
03:00 - 04:00	59.6	62.0	59.2	dB(A)
04:00 - 05:00	59.5	64.9	59.2	dB(A)
05:00 - 06:00	60.5	63.4	60.2	dB(A)
06:00 - 07:00	60.5	66.9	60.1	dB(A)
07:00 - 08:00	60.4	72.0	60.0	dB(A)
08:00 - 09:00	60.0	65.1	59.4	dB(A)
09:00 - 10:00	59.0	65.4	58.2	dB(A)
10:00 - 11:00	59.0	67.4	58.3	dB(A)
11:00 - 12:00	60.5	64.3	59.7	dB(A)
12:00 - 13:00	60.6	63.9	59.9	dB(A)
13:00 - 14:00	60.4	65.5	59.4	dB(A)
L_{eq} 24 hr.	60.4	-	-	dB(A)
L_{dn}	66.5	-	-	dB(A)
Maximum	-	77.5	-	dB(A)
Standard	$70^{/1}, 70^{/2}$	$115^{/1}, 115^{/2}$	-	dB(A)

REMARK : ^{/1} Notification of Office 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
(Measurement By Mr. Seksan Pluemwong)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(M)

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Request No. LA68-R09247

Report No. R6809-6333

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150
SAMPLE SOURCE : GC19
SAMPLE POINT : บริเวณริมรั้วโรงงานด้านทิศตะวันตก
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn}
DETERMINATION METHOD : ISO 1996-1:2016
INSTRUMENT : Integrated Sound Level Meter
S/N 00230987 : Class 1

SAMPLE NO. : 36129
MEASURING DATE : 19-20/09/2025
RECEIVED DATE : 24/09/2025
REPORTED DATE : 01/10/2025

TIME \ DATE	19-20/09/2025 (L_{eq})	19-20/09/2025 (L_{max})	19-20/09/2025 (L_{90})	UNIT
14:00 - 15:00 ^{/3}	60.3	63.9	59.5	dB(A)
15:00 - 16:00	60.8	66.9	60.1	dB(A)
16:00 - 17:00	61.1	72.6	60.4	dB(A)
17:00 - 18:00	61.2	66.5	60.4	dB(A)
18:00 - 19:00	61.3	69.4	60.6	dB(A)
19:00 - 20:00	61.1	66.6	60.4	dB(A)
20:00 - 21:00	60.9	65.6	60.1	dB(A)
21:00 - 22:00	61.1	70.0	60.4	dB(A)
22:00 - 23:00	60.8	63.9	60.1	dB(A)
23:00 - 00:00	60.3	62.5	59.8	dB(A)
00:00 - 01:00	60.4	62.8	59.9	dB(A)
01:00 - 02:00	60.6	65.2	60.0	dB(A)
02:00 - 03:00	60.9	64.5	60.3	dB(A)
03:00 - 04:00	60.8	69.3	60.2	dB(A)
04:00 - 05:00	60.6	64.4	60.1	dB(A)
05:00 - 06:00	60.8	66.4	60.2	dB(A)
06:00 - 07:00	60.8	64.9	60.2	dB(A)
07:00 - 08:00	60.7	68.9	60.0	dB(A)
08:00 - 09:00	60.4	66.4	59.8	dB(A)
09:00 - 10:00	60.2	63.3	59.5	dB(A)
10:00 - 11:00	60.0	64.1	59.1	dB(A)
11:00 - 12:00	59.9	67.9	58.9	dB(A)
12:00 - 13:00	60.0	65.6	59.1	dB(A)
13:00 - 14:00	60.3	69.2	59.3	dB(A)
L_{eq} 24 hr.	60.7	-	-	dB(A)
L_{dn}	67.1	-	-	dB(A)
Maximum	-	72.6	-	dB(A)
Standard	70 ^{/1} , 70 ^{/2}	115 ^{/1} , 115 ^{/2}	-	dB(A)

REMARK : ^{/1} Notification of Office 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
(Measurement By Mr. Seksan Pluemwong)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By...

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WITHOUT THE WRITTEN APPROVAL LABORATORY

Request No. LA68-R09247

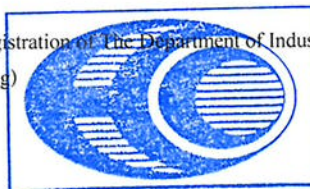
Report No. R6809-6334

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150
SAMPLE SOURCE : GC19
SAMPLE POINT : บริเวณริมรั้วโรงงานด้านทิศตะวันตก
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn}
DETERMINATION METHOD : ISO 1996-1:2016
INSTRUMENT : Integrated Sound Level Meter
S/N 00230987 : Class 1

SAMPLE NO. : 36130
MEASURING DATE : 20-21/09/2025
RECEIVED DATE : 24/09/2025
REPORTED DATE : 01/10/2025

TIME \ DATE	20-21/09/2025 (L_{eq})	20-21/09/2025 (L_{max})	20-21/09/2025 (L_{90})	UNIT
14:00 - 15:00 ^{1/3}	60.1	64.2	59.3	dB(A)
15:00 - 16:00	60.6	64.7	59.8	dB(A)
16:00 - 17:00	60.2	65.8	59.5	dB(A)
17:00 - 18:00	60.2	64.5	59.6	dB(A)
18:00 - 19:00	60.6	68.2	60.0	dB(A)
19:00 - 20:00	60.5	65.8	59.9	dB(A)
20:00 - 21:00	60.5	63.4	59.9	dB(A)
21:00 - 22:00	60.5	67.5	59.9	dB(A)
22:00 - 23:00	60.3	63.3	59.7	dB(A)
23:00 - 00:00	60.2	63.0	59.5	dB(A)
00:00 - 01:00	60.1	62.8	59.5	dB(A)
01:00 - 02:00	59.8	67.4	59.2	dB(A)
02:00 - 03:00	59.8	62.4	59.2	dB(A)
03:00 - 04:00	59.7	62.1	59.3	dB(A)
04:00 - 05:00	59.5	64.9	59.1	dB(A)
05:00 - 06:00	59.6	62.7	59.1	dB(A)
06:00 - 07:00	59.9	67.6	59.3	dB(A)
07:00 - 08:00	59.9	65.5	59.1	dB(A)
08:00 - 09:00	59.7	63.3	58.9	dB(A)
09:00 - 10:00	59.8	66.9	58.9	dB(A)
10:00 - 11:00	59.7	63.1	58.8	dB(A)
11:00 - 12:00	60.1	66.1	59.1	dB(A)
12:00 - 13:00	59.9	66.6	59.0	dB(A)
13:00 - 14:00	59.5	63.0	58.6	dB(A)
L_{eq} 24 hr.	60.0	-	-	dB(A)
L_{dn}	66.3	-	-	dB(A)
Maximum	-	68.2	-	dB(A)
Standard	$70^{1/1}, 70^{1/2}$	$115^{1/1}, 115^{1/2}$	-	dB(A)

REMARK : ^{1/1} Notification of Office 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
(Measurement By Mr. Seksan Pluemwong)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

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WITHOUT THE WRITTEN APPROVAL LABORATORY

Request No. LA68-R09247

Report No. R6809-6335

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
 ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150
 SAMPLE SOURCE : GC19
 SAMPLE POINT : บริเวณริมรั้วโรงงานด้านทิศตะวันตก
 PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn}
 DETERMINATION METHOD : ISO 1996-1:2016
 INSTRUMENT : Integrated Sound Level Meter
 S/N 00230987 : Class 1

SAMPLE NO. : 36131
 MEASURING DATE : 21-22/09/2025
 RECEIVED DATE : 24/09/2025
 REPORTED DATE : 01/10/2025

TIME \ DATE	21-22/09/2025 (L_{eq})	21-22/09/2025 (L_{max})	21-22/09/2025 (L_{90})	UNIT
14:00 - 15:00 ^{/3}	59.5	62.9	58.6	dB(A)
15:00 - 16:00	59.9	68.3	59.1	dB(A)
16:00 - 17:00	59.6	70.4	58.8	dB(A)
17:00 - 18:00	59.8	64.9	59.2	dB(A)
18:00 - 19:00	60.2	68.8	59.6	dB(A)
19:00 - 20:00	60.4	67.1	59.7	dB(A)
20:00 - 21:00	60.2	67.3	59.5	dB(A)
21:00 - 22:00	60.1	64.5	59.5	dB(A)
22:00 - 23:00	59.3	62.2	58.7	dB(A)
23:00 - 00:00	59.1	62.0	58.7	dB(A)
00:00 - 01:00	59.4	62.3	59.1	dB(A)
01:00 - 02:00	59.4	65.3	59.0	dB(A)
02:00 - 03:00	59.3	62.1	58.9	dB(A)
03:00 - 04:00	59.2	66.6	58.8	dB(A)
04:00 - 05:00	59.1	62.5	58.7	dB(A)
05:00 - 06:00	59.1	61.9	58.5	dB(A)
06:00 - 07:00	59.3	61.3	58.8	dB(A)
07:00 - 08:00	59.6	66.5	59.0	dB(A)
08:00 - 09:00	59.5	66.8	58.9	dB(A)
09:00 - 10:00	59.3	62.8	58.6	dB(A)
10:00 - 11:00	59.0	63.0	58.1	dB(A)
11:00 - 12:00	59.5	63.7	58.4	dB(A)
12:00 - 13:00	59.0	63.0	58.0	dB(A)
13:00 - 14:00	59.7	64.2	58.9	dB(A)
L_{eq} 24 hr.	59.5	-	-	dB(A)
L_{dn}	65.7	-	-	dB(A)
Maximum	-	70.4	-	dB(A)
Standard	$70^{/1}, 70^{/2}$	$115^{/1}, 115^{/2}$	-	dB(A)

REMARK : ^{/1} Notification of Office 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
(Measurement By Mr. Seksan Pluemwong)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

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Request No. LA68-R09247

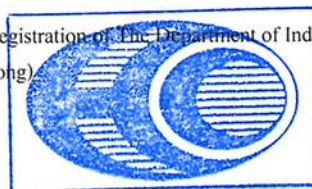
Report No. R6809-6336

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150
SAMPLE SOURCE : GC19
SAMPLE POINT : บริเวณริมรั้วโรงงานด้านทิศตะวันตก
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn}
DETERMINATION METHOD : ISO 1996-1:2016
INSTRUMENT : Integrated Sound Level Meter
S/N 00230987 : Class 1

SAMPLE NO. : 36132
MEASURING DATE : 22-23/09/2025
RECEIVED DATE : 24/09/2025
REPORTED DATE : 01/10/2025

TIME \ DATE	22-23/09/2025 (L_{eq})	22-23/09/2025 (L_{max})	22-23/09/2025 (L_{90})	UNIT
14:00 - 15:00 ^{/3}	59.4	63.5	58.5	dB(A)
15:00 - 16:00	59.7	64.2	58.9	dB(A)
16:00 - 17:00	59.9	64.4	59.1	dB(A)
17:00 - 18:00	60.1	65.8	59.4	dB(A)
18:00 - 19:00	60.2	66.1	59.6	dB(A)
19:00 - 20:00	59.9	69.6	59.3	dB(A)
20:00 - 21:00	59.4	62.5	58.9	dB(A)
21:00 - 22:00	59.5	65.0	58.9	dB(A)
22:00 - 23:00	59.5	63.3	58.9	dB(A)
23:00 - 00:00	58.8	61.6	58.2	dB(A)
00:00 - 01:00	58.8	63.8	58.5	dB(A)
01:00 - 02:00	58.7	62.7	58.3	dB(A)
02:00 - 03:00	58.5	68.6	57.9	dB(A)
03:00 - 04:00	58.9	62.6	58.5	dB(A)
04:00 - 05:00	59.2	67.7	58.8	dB(A)
05:00 - 06:00	59.4	65.5	58.9	dB(A)
06:00 - 07:00	59.5	67.0	59.0	dB(A)
07:00 - 08:00	59.6	67.8	58.9	dB(A)
08:00 - 09:00	60.9	70.3	59.3	dB(A)
09:00 - 10:00	60.8	69.0	59.9	dB(A)
10:00 - 11:00	60.2	64.0	59.4	dB(A)
11:00 - 12:00	60.4	66.4	59.4	dB(A)
12:00 - 13:00	61.0	65.6	60.1	dB(A)
13:00 - 14:00	60.9	64.2	60.2	dB(A)
L_{eq} 24 hr.	59.8	-	-	dB(A)
L_{dn}	65.6	-	-	dB(A)
Maximum	-	70.3	-	dB(A)
Standard	$70^{/1}, 70^{/2}$	$115^{/1}, 115^{/2}$	-	dB(A)

REMARK : ^{/1} Notification of Office 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
(Measurement By Mr. Seksan Pluemwong)

Approved By...

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Request No. LA68-R09247

Report No. R6809-6337

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
 ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150
 SAMPLE SOURCE : GC19
 SAMPLE POINT : บริเวณริมรั้วโรงงานด้านทิศตะวันตก
 PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn} SAMPLE NO. : 36133
 DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 23-24/09/2025
 INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 24/09/2025
 S/N 00230987 : Class 1 REPORTED DATE : 01/10/2025

TIME \ DATE	23-24/09/2025 (L_{eq})	23-24/09/2025 (L_{max})	23-24/09/2025 (L_{90})	UNIT
14:00 - 15:00 ^{/3}	59.7	62.3	59.0	dB(A)
15:00 - 16:00	59.4	67.1	58.8	dB(A)
16:00 - 17:00	59.5	62.1	59.0	dB(A)
17:00 - 18:00	59.4	64.6	59.0	dB(A)
18:00 - 19:00	59.2	63.4	58.7	dB(A)
19:00 - 20:00	59.4	62.1	58.9	dB(A)
20:00 - 21:00	59.6	67.3	59.0	dB(A)
21:00 - 22:00	59.5	65.2	58.7	dB(A)
22:00 - 23:00	59.4	66.6	58.6	dB(A)
23:00 - 00:00	59.4	62.7	58.6	dB(A)
00:00 - 01:00	59.6	63.8	58.7	dB(A)
01:00 - 02:00	59.7	65.8	58.8	dB(A)
02:00 - 03:00	59.5	66.3	58.6	dB(A)
03:00 - 04:00	59.1	62.5	58.2	dB(A)
04:00 - 05:00	59.3	62.6	58.5	dB(A)
05:00 - 06:00	59.6	68.0	58.7	dB(A)
06:00 - 07:00	59.3	70.1	58.6	dB(A)
07:00 - 08:00	59.6	67.8	58.9	dB(A)
08:00 - 09:00	60.0	68.5	59.3	dB(A)
09:00 - 10:00	60.1	67.0	59.4	dB(A)
10:00 - 11:00	59.9	64.5	59.1	dB(A)
11:00 - 12:00	59.7	64.2	59.1	dB(A)
12:00 - 13:00	58.7	61.9	58.2	dB(A)
13:00 - 14:00	59.0	61.7	58.6	dB(A)
L_{eq} 24 hr.	59.5	-	-	dB(A)
L_{dn}	65.9	-	-	dB(A)
Maximum	-	70.1	-	dB(A)
Standard	$70^{/1}, 70^{/2}$	$115^{/1}, 115^{/2}$	-	dB(A)

REMARK : ^{/1} Notification of Office 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
(Measurement By Mr. Seksan Pluemwong)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By...

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Request No. ATR6808027

Report No. 6808-0358

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
SAMPLE SOURCE : GC 19
SAMPLE NAME : Oxidation Section
SAMPLING DATE : 13/08/2025 SAMPLE NO : A68080358
RECEIVED DATE : 15/08/2025 SAMPLING TIME : 08:45-09:45
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 15/08/2025-21/08/2025
Serial No. 218388 REPORTED DATE : 09/09/2025

PARAMETER*	TEST METHOD	RESULT	STD ¹	UNIT
Cumene	Sorbent Adsorption,	<0.72	245	mg/m ³
	Gas Chromatography/NIOSH 1501	<0.15	50	ppm

REMARK:

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

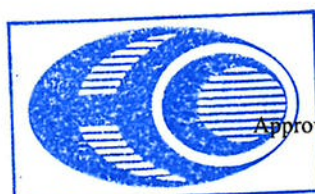
* Parameter have License Registration of Department of Labour Protection and Welfare No.0201-03-2564-0008
and No.0202-03-2564-0005.

(Sampling By Mr. Weerachai Porjai)

GPS = Sampling at UTM 47P 731088E 1406270N

Examined By ..

09/09/2025



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Approved By

09/09/2025

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Request No. ATR6810021

Report No. 6810-0593

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong
21150
SAMPLE SOURCE : GC 19
SAMPLE NAME : Oxidation Section
SAMPLING DATE : 09/10/2025 SAMPLE NO. : A68100593
RECEIVED DATE : 10/10/2025 SAMPLING TIME : 09:18-10:18
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 10/10/2025-17/10/2025
Serial No. 20150302001 REPORTED DATE : 28/10/2025

PARAMETER*	TEST METHOD	RESULT	STD ^{/1}	UNIT
Cumene	Sorbent Adsorption, Gas	< 0.72	245	mg/m ³
	Chromatography/NIOSH1501	< 0.15	50	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 Miss Duangchai Yaemprakhon)

GPS = Sampling at UTM 47P 731088E 1406270N

Examined By

28/10/2025



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Approved By

28/10/2025

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Request No. ATR6808027

Report No. 6808-0359

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
SAMPLE SOURCE : GC 19
SAMPLE NAME : Epoxidation Section
SAMPLING DATE : 13/08/2025 SAMPLE NO : A68080359
RECEIVED DATE : 15/08/2025 SAMPLING TIME : 08:30-09:30
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 15/08/2025-21/08/2025
Serial No. 20211102125 REPORTED DATE : 09/09/2025

PARAMETER*	TEST METHOD	RESULT	STD ¹	UNIT
Cumene	Sorbent Adsorption,	<0.72	245	mg/m ³
	Gas Chromatography/NIOSH 1501	<0.15	50	ppm

REMARK:

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

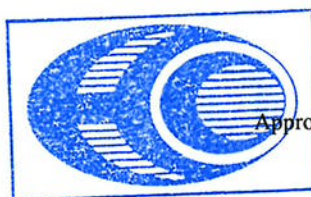
* Parameter have License Registration of Department of Labour Protection and Welfare No.0201-03-2564-0008
and No.0202-03-2564-0005.

(Sampling By Mr. Weerachai Porjai)

GPS = Sampling at UTM 47P 731244E 1406145N

Examined By ..

09/09/2025



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Approved By ..

09/09/2025

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Request No. ATR6810021

Report No. 6810-0594

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
SAMPLE SOURCE : GC 19
SAMPLE NAME : Epoxidation Section
SAMPLING DATE : 09/10/2025 SAMPLE NO. : A68100594
RECEIVED DATE : 10/10/2025 SAMPLING TIME : 09:08-10:08
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 10/10/2025-17/10/2025
Serial No. 20211103024 REPORTED DATE : 28/10/2025

PARAMETER*	TEST METHOD	RESULT	STD ¹	UNIT
Cumene	Sorbent Adsorption, Gas	< 0.72	245	mg/m ³
	Chromatography/NIOSH1501	< 0.15	50	ppm

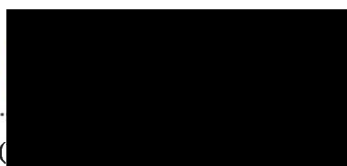
REMARK:¹ Notification of The Department of Labour Protection and Welfare B.E.2560 (2017), Concentration Limits of Hazardous Chemicals.

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

(Sampling By Miss Duangchai Yaemprakhon)

GPS = Sampling at UTM 47P 731244E 1406145N

Examined By ...

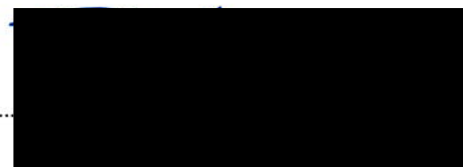


28/10/2025



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Approved By ...



28/10/2025

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Request No. ATR6808027

Report No. 6808-0360

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19

ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150

SAMPLE SOURCE : GC 19

SAMPLE NAME : Epoxidation Section

SAMPLING DATE : 13/08/2025 SAMPLE NO : A68080360

RECEIVED DATE : 15/08/2025 SAMPLING TIME : 08:30-09:30

SAMPLING INSTRUMENT : Personal Pump Flow rate 0.05 L/min TESTED DATE : 15/08/2025-21/08/2025

Serial No. 218445 REPORTED DATE : 09/09/2025

PARAMETER*	TEST METHOD	RESULT	STD ¹	UNIT
Acetone	Sorbent Adsorption,	17.10	2,400	mg/m ³
	Gas Chromatography/NIOSH 2555	7.20	1,000	ppm

REMARK:

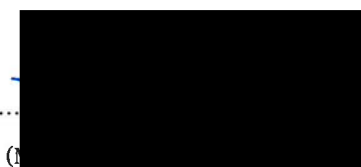
¹ Notification of The Department of Labour Protection and Welfare B.E.2560 (2017),
Concentration Limits of Hazardous Chemicals.

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

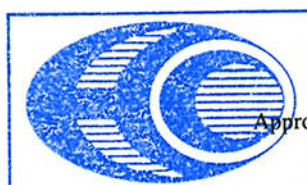
(Sampling By Mr. Weerachai Porjai)

GPS = Sampling at UTM 47P 731244E 1406145N

Examined By



09/09/2025



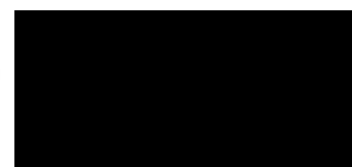
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Approved By ..



09/09/2025

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Request No. ATR6810021

Report No. 6810-0595

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
SAMPLE SOURCE : GC 19
SAMPLE NAME : Epoxidation Section
SAMPLING DATE : 09/10/2025 SAMPLE NO. : A68100595
RECEIVED DATE : 10/10/2025 SAMPLING TIME : 09:08-10:08
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.05 L/min TESTED DATE : 10/10/2025-17/10/2025
Serial No. 20211103024 REPORTED DATE : 28/10/2025

PARAMETER*	TEST METHOD	RESULT	STD ¹	UNIT
Acetone	Sorbent Adsorption, Gas	< 13.17	2,400	mg/m ³
	Chromatography/NIOSH 2555	< 5.54	1,000	ppm

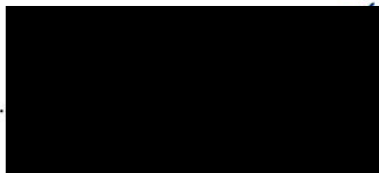
REMARK:¹ Notification of The Department of Labour Protection and Welfare B.E.2560 (2017), Concentration Limits of Hazardous Chemicals.

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

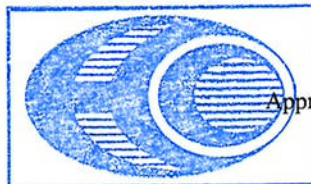
(Sampling By Miss Duangchai Yaemprakhon)

GPS = Sampling at UTM 47P 731244E 1406145N

Examined By .

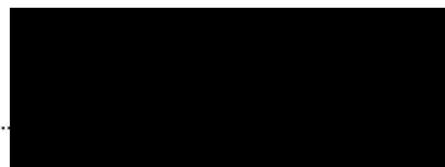


28/10/2025



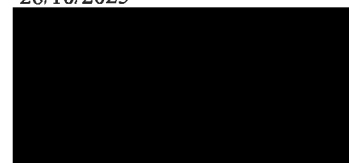
บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By ..



28/10/2025

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Request No. ATR6808027

Report No. 6808-0361

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
SAMPLE SOURCE : GC 19
SAMPLE NAME : Epoxidation Section
SAMPLING DATE : 13/08/2025 SAMPLE NO : A68080361
RECEIVED DATE : 15/08/2025 SAMPLING TIME : 08:30-09:20
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 26/08/2025
Serial No. 20211102125 REPORTED DATE : 09/09/2025

PARAMETER**	TEST METHOD	RESULT ²	STD ¹	UNIT
Propylene Oxide	NIOSH 1612/GC-FID	ND	240	mg/m ³
		ND	100	ppm

REMARK:

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

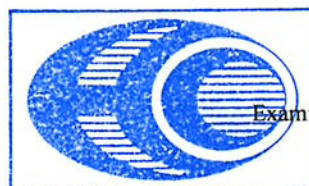
² ND = Non detectable : When detection limit of Propylene Oxide is less than 0.10 mg/m³ or 0.05 ppm.

** 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 47P 731244E 1406145N



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Examined By ...

09/09/2025

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Request No. ATR6810021

Report No. 6810-0596

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
SAMPLE SOURCE : GC 19
SAMPLE NAME : Epoxidation Section
SAMPLING DATE : 09/10/2025 SAMPLE NO. : A68100596
RECEIVED DATE : 14/10/2025 SAMPLING TIME : 09:08-09:58
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 17/10/2025
Serial No. 20211103024 REPORTED DATE : 28/10/2025

PARAMETER**	TEST METHOD	RESULT ^{/2}	STD ^{/1}	UNIT
Propylene Oxide	NIOSH 1612/GC-FID	ND	240	mg/m ³
		ND	100	ppm

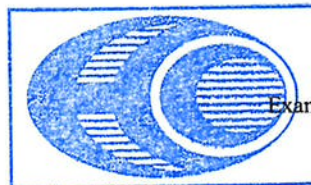
REMARK:^{/1} Notification of The Department of Labour Protection and Welfare B.E.2560 (2017), Concentration Limits of Hazardous Chemicals.^{/2} ND = Non detectable : When detection limit of Propylene Oxide is less than 0.10 mg/m³ or 0.05 ppm.

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

Sampling By Eastern Thai Consulting 1992 Co.,Ltd., (Miss Duangchai Yaemprakhon)

Analysed By SECOT Co.,Ltd.

GPS = Sampling at UTM 47P 731244E 1406145N



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Examined By..

28/10/2025

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Request No. ATR6808027

Report No. 6808-0362

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
SAMPLE SOURCE : GC 19
SAMPLE NAME : C3-PO Purification Section
SAMPLING DATE : 13/08/2025 SAMPLE NO : A68080362
RECEIVED DATE : 15/08/2025 SAMPLING TIME : 08:32-09:32
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 15/08/2025-21/08/2025
Serial No. 20180903083 REPORTED DATE : 09/09/2025

PARAMETER*	TEST METHOD	RESULT	STD ¹	UNIT
Cumene	Sorbent Adsorption,	<0.72	245	mg/m ³
	Gas Chromatography/NIOSH 1501	<0.15	50	ppm

REMARK:

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

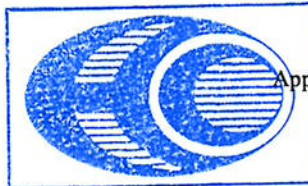
* Parameter have License Registration of Department of Labour Protection and Welfare No.0201-03-2564-0008
and No.0202-03-2564-0005.

(Sampling By Mr. Weerachai Porjai)

GPS = Sampling at UTM 47P 731204E 1406197N

Examined By ...

09/09/2025



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Approved By

09/09/2025

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Request No. ATR6810021

Report No. 6810-0597

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
 ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
 SAMPLE SOURCE : GC 19
 SAMPLE NAME : C3-PO Purification Section
 SAMPLING DATE : 09/10/2025 SAMPLE NO. : A68100597
 RECEIVED DATE : 10/10/2025 SAMPLING TIME : 09:05-10:05
 SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 10/10/2025-17/10/2025
 Serial No. 20211103029 REPORTED DATE : 28/10/2025

PARAMETER*	TEST METHOD	RESULT	STD ¹	UNIT
Cumene	Sorbent Adsorption, Gas	< 0.72	245	mg/m ³
	Chromatography/NIOSH1501	< 0.15	50	ppm

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

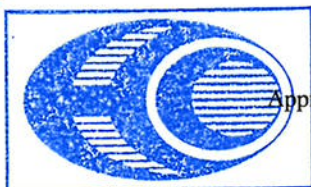
* Parameter have License Registration of Department of Labour Protection and Welfare No.0201-03-2564-0008 and
 No.0202-03-2564-0005.

(Sampling By Miss Duangchai Yaemprakhon)

GPS = Sampling at UTM 47P 731204E 1406197N

Examined By

28/10/2025



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

28/10/2025

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Request No. ATR6808027

Report No. 6808-0363

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19

ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150

SAMPLE SOURCE : GC 19

SAMPLE NAME : C3-PO Purification Section

SAMPLING DATE : 13/08/2025 SAMPLE NO : A68080363

RECEIVED DATE : 15/08/2025 SAMPLING TIME : 08:32-09:32

SAMPLING INSTRUMENT : Personal Pump Flow rate 0.05 L/min TESTED DATE : 15/08/2025-21/08/2025

Serial No. 218391 REPORTED DATE : 09/09/2025

PARAMETER*	TEST METHOD	RESULT	STD ¹	UNIT
Acetone	Sorbent Adsorption,	<13.17	2,400	mg/m ³
	Gas Chromatography/NIOSH 2555	<5.54	1,000	ppm

REMARK:

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

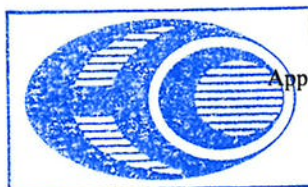
* Parameter have License Registration of Department of Labour Protection and Welfare No.0201-03-2564-0008
and No.0202-03-2564-0005.

(Sampling By Mr. Weerachai Porjai)

GPS = Sampling at UTM 47P 731204E 1406197N

Examined By ...

09/09/2025



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By ...

09/09/2025

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Request No. ATR6810021

Report No. 6810-0598

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
SAMPLE SOURCE : GC 19
SAMPLE NAME : C3-PO Purification Section
SAMPLING DATE : 09/10/2025 SAMPLE NO. : A68100598
RECEIVED DATE : 10/10/2025 SAMPLING TIME : 09:05-10:05
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.05 L/min TESTED DATE : 10/10/2025-17/10/2025
Serial No. 20211103029 REPORTED DATE : 28/10/2025

PARAMETER*	TEST METHOD	RESULT	STD ^{/1}	UNIT
Acetone	Sorbent Adsorption, Gas	< 13.17	2,400	mg/m ³
	Chromatography/NIOSH 2555	< 5.54	1,000	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 Miss Duangchai Yaemprakhon)

GPS = Sampling at UTM 47P 731204E 1406197N

Examined By ..

28/10/2025



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Approved By

28/10/2025

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Request No. ATR6808027

Report No. 6808-0364

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
SAMPLE SOURCE : GC 19
SAMPLE NAME : C3-PO Purification Section
SAMPLING DATE : 13/08/2025 SAMPLE NO : A68080364
RECEIVED DATE : 15/08/2025 SAMPLING TIME : 08:32-09:22
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 26/08/2025
Serial No. 20180903083 REPORTED DATE : 09/09/2025

PARAMETER**	TEST METHOD	RESULT ²	STD ¹	UNIT
Propylene Oxide	NIOSH 1612/GC-FID	ND	240	mg/m ³
		ND	100	ppm

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

Concentration Limits of Hazardous Chemicals.

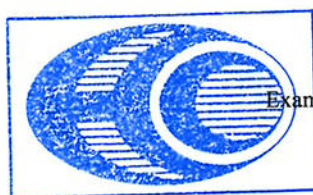
² ND = Non detectable : When detection limit of Propylene Oxide is less than 0.10 mg/m³ or 0.05 ppm.

** 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 47P 731204E 1406197N



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Examined By ...

09/09/2025

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Request No. ATR6810021

Report No. 6810-0599

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
SAMPLE SOURCE : GC 19
SAMPLE NAME : C3-PO Purification Section
SAMPLING DATE : 09/10/2025 SAMPLE NO. : A68100599
RECEIVED DATE : 14/10/2025 SAMPLING TIME : 09:05-09:55
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 17/10/2025
Serial No. 20211103029 REPORTED DATE : 28/10/2025

PARAMETER**	TEST METHOD	RESULT ^{/2}	STD ^{/1}	UNIT
Propylene Oxide	NIOSH 1612/GC-FID	ND	240	mg/m ³
		ND	100	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 : When detection limit of Propylene Oxide is less than 0.10 mg/m³ or 0.05 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., (Miss Duangchai Yaemprakhon)

Analysed By SECOT Co.,Ltd.

GPS = Sampling at UTM 47P 731204E 1406197N



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Examined By...

28/10/2025

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Request No. ATR6808027

Report No. 6808-0365

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
SAMPLE SOURCE : GC 19
SAMPLE NAME : Hydrogenation Section
SAMPLING DATE : 13/08/2025 SAMPLE NO : A68080365
RECEIVED DATE : 15/08/2025 SAMPLING TIME : 08:35-09:35
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 15/08/2025-21/08/2025
Serial No. 218432 REPORTED DATE : 09/09/2025

PARAMETER*	TEST METHOD	RESULT	STD ¹	UNIT
Cumene	Sorbent Adsorption,	<0.72	245	mg/m ³
	Gas Chromatography/NIOSH 1501	<0.15	50	ppm

REMARK:

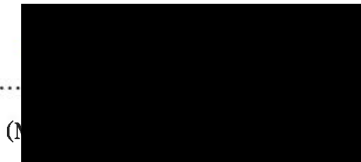
¹ Notification of The Department of Labour Protection and Welfare B.E.2560 (2017),
Concentration Limits of Hazardous Chemicals.

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

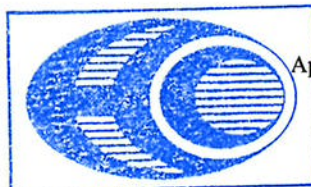
(Sampling By Mr. Weerachai Porjai)

GPS = Sampling at UTM 47P 731204E 1406213N

Examined By

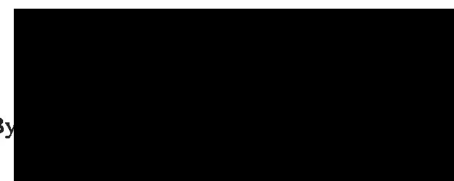


09/09/2025



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By



09/09/2025

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Request No. ATR6810021

Report No. 6810-0600

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
SAMPLE SOURCE : GC 19
SAMPLE NAME : Hydrogenation Section
SAMPLING DATE : 09/10/2025
RECEIVED DATE : 10/10/2025
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min
Serial No. 20150302002

SAMPLE NO. : A68100600
SAMPLING TIME : 09:12-10:12
TESTED DATE : 10/10/2025-17/10/2025
REPORTED DATE : 28/10/2025

PARAMETER*	TEST METHOD	RESULT	STD ^{/1}	UNIT
Cumene	Sorbent Adsorption, Gas	< 0.72	245	mg/m ³
	Chromatography/NIOSH1501	< 0.15	50	ppm

REMARK:

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

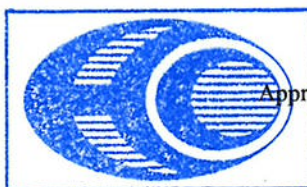
* Parameter have License Registration of Department of Labour Protection and Welfare No.0201-03-2564-0008 and No.0202-03-2564-0005.

(Sampling By Miss Duangchai Yaemprakhon)

GPS = Sampling at UTM 47P 731204E 1406213N

Examined By ..

28/10/2025



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By ..

28/10/2025

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
WITHOUT THE WRITTEN APPROVAL LABORATORY

Request No. ATR6808027

Report No. 6808-0366

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
SAMPLE SOURCE : GC 19
SAMPLE NAME : PO Purification Section
SAMPLING DATE : 13/08/2025
RECEIVED DATE : 15/08/2025
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.05 L/min
Serial No. 218408

SAMPLE NO : A68080366
SAMPLING TIME : 08:40-09:40
TESTED DATE : 15/08/2025-21/08/2025
REPORTED DATE : 09/09/2025

PARAMETER*	TEST METHOD	RESULT	STD ¹	UNIT
Acetone	Sorbent Adsorption,	<13.17	2,400	mg/m ³
	Gas Chromatography/NIOSH 2555	<5.54	1,000	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 47P 731136E 1406237N

Examined By ..

09/09/2025



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

09/09/2025

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
WITHOUT THE WRITTEN APPROVAL LABORATORY

Request No. ATR6810021

Report No. 6810-0601

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
SAMPLE SOURCE : GC 19
SAMPLE NAME : PO Purification Section
SAMPLING DATE : 09/10/2025 SAMPLE NO. : A68100601
RECEIVED DATE : 10/10/2025 SAMPLING TIME : 09:15-10:15
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.05 L/min TESTED DATE : 10/10/2025-17/10/2025
Serial No. 20211102098 REPORTED DATE : 28/10/2025

PARAMETER*	TEST METHOD	RESULT	STD ^{/1}	UNIT
Acetone	Sorbent Adsorption, Gas	< 13.17	2,400	mg/m ³
	Chromatography/NIOSH 2555	< 5.54	1,000	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 Miss Duangchai Yaemprakhon)

GPS = Sampling at UTM 47P 731136E 1406237N

Examined By .

28/10/2025



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By .

28/10/2025

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
WITHOUT THE WRITTEN APPROVAL LABORATORY

Request No. ATR6808027

Report No. 6808-0367

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
SAMPLE SOURCE : GC 19
SAMPLE NAME : PO Purification Section
SAMPLING DATE : 13/08/2025 SAMPLE NO : A68080367
RECEIVED DATE : 15/08/2025 SAMPLING TIME : 08:40-09:30
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 26/08/2025
Serial No. 20200403079 REPORTED DATE : 09/09/2025

PARAMETER**	TEST METHOD	RESULT ²	STD ¹	UNIT
Propylene Oxide	NIOSH 1612/GC-FID	ND	240	mg/m ³
		ND	100	ppm

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

Concentration Limits of Hazardous Chemicals.

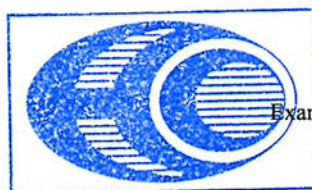
² ND = Non detectable : When detection limit of Propylene Oxide is less than 0.10 mg/m³ or 0.05 ppm.

** 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 47P 731136E 1406237N



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By ...

09/09/2025

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Request No. ATR6810021

Report No. 6810-0602

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
SAMPLE SOURCE : GC 19
SAMPLE NAME : PO Purification Section
SAMPLING DATE : 09/10/2025 SAMPLE NO. : A68100602
RECEIVED DATE : 14/10/2025 SAMPLING TIME : 09:15-10:05
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 17/10/2025
Serial No. 20211102098 REPORTED DATE : 28/10/2025

PARAMETER**	TEST METHOD	RESULT ^{/2}	STD ^{/1}	UNIT
Propylene Oxide	NIOSH 1612/GC-FID	ND	240	mg/m ³
		ND	100	ppm

REMARK:

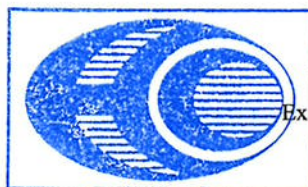
^{/1} Notification of The Department of Labour Protection and Welfare B.E.2560 (2017), Concentration Limits of Hazardous Chemicals.^{/2} ND = Non detectable : When detection limit of Propylene Oxide is less than 0.10 mg/m³ or 0.05 ppm.

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

Sampling By Eastern Thai Consulting 1992 Co.,Ltd., (Miss Duangchai Yaemprakhon)

Analysed By SECOT Co.,Ltd.

GPS = Sampling at UTM 47P 731136E 1406237N



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By..

28/10/2025

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Request No. ATR6808027

Report No. 6808-0368

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
SAMPLE SOURCE : GC 19
SAMPLE NAME : Tank Farm 1 (TK-1460)
SAMPLING DATE : 13/08/2025 SAMPLE NO : A68080368
RECEIVED DATE : 15/08/2025 SAMPLING TIME : 08:50-09:50
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.20 L/min TESTED DATE : 18/08/2025
Serial No. 20160502018 REPORTED DATE : 09/09/2025

PARAMETER**	TEST METHOD	RESULT	UNIT
Total Volatile Organic Compounds (TVOCs)	Sampling Bag/FID	1.79	ppm

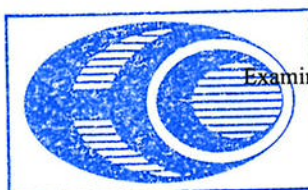
REMARK:

** 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 47P 730981E 1406187N



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By ...

09/09/2025

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Request No. ATR6810021

Report No. 6810-0603

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
SAMPLE SOURCE : GC 19
SAMPLE NAME : Tank Farm 1 (TK-1460)
SAMPLING DATE : 09/10/2025 SAMPLE NO. : A68100603
RECEIVED DATE : 14/10/2025 SAMPLING TIME : 10:30-11:30
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.20 L/min TESTED DATE : 18/10/2025
Serial No. 20200403075 REPORTED DATE : 28/10/2025

PARAMETER**	TEST METHOD	RESULT	UNIT
Total Volatile Organic Compounds (TVOCs)	Sampling Bag/FID	5.63	ppm

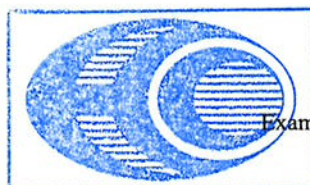
REMARK:

** Parameter not have License Registration of Department of Labour Protection and Welfare.

Sampling By Eastern Thai Consulting 1992 Co.,Ltd., (Miss Duangchai Yaemprakhon)

Analysed By SECOT Co.,Ltd.

GPS = Sampling at UTM 47P 730981E 1406187N



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....

28/10/2025

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Request No. ATR6808027

Report No. 6808-0369

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
SAMPLE SOURCE : GC 19
SAMPLE NAME : Tank Farm 2 (TK-1456)
SAMPLING DATE : 13/08/2025
RECEIVED DATE : 15/08/2025
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.20 L/min
Serial No. 20200403077
SAMPLE NO : A68080369
SAMPLING TIME : 08:48-09:48
TESTED DATE : 18/08/2025
REPORTED DATE : 09/09/2025

PARAMETER**	TEST METHOD	RESULT	UNIT
Total Volatile Organic Compounds (TVOCs)	Sampling Bag/FID	2.64	ppm

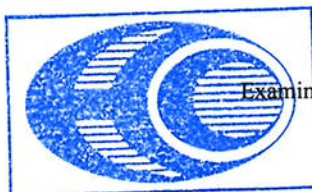
REMARK:

** 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 47P 731017E 1406244N



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By

09/09/2025

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Request No. ATR6810021

Report No. 6810-0604

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
SAMPLE SOURCE : GC 19
SAMPLE NAME : Tank Farm 2 (TK-1456)
SAMPLING DATE : 09/10/2025 SAMPLE NO. : A68100604
RECEIVED DATE : 14/10/2025 SAMPLING TIME : 09:20-10:20
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.20 L/min TESTED DATE : 18/10/2025
Serial No. 20200403077 REPORTED DATE : 28/10/2025

PARAMETER**	TEST METHOD	RESULT	UNIT
Total Volatile Organic Compounds (TVOCs)	Sampling Bag/FID	2.47	ppm

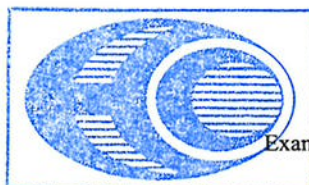
REMARK:

** Parameter not have License Registration of Department of Labour Protection and Welfare.

Sampling By Eastern Thai Consulting 1992 Co.,Ltd., (Miss Duangchai Yaemprakhon)

Analysed By SECOT Co.,Ltd.

GPS = Sampling at UTM 47P 731017E 1406244N



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.

28/10/2025

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Request No. ATR6808027

Report No. 6808-0370

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
SAMPLE SOURCE : GC 19
SAMPLE NAME : Tank Farm 3 (TK-1693)
SAMPLING DATE : 13/08/2025 SAMPLE NO : A68080370
RECEIVED DATE : 15/08/2025 SAMPLING TIME : 08:58-09:58
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.20 L/min TESTED DATE : 18/08/2025
Serial No. 20200403075 REPORTED DATE : 09/09/2025

PARAMETER**	TEST METHOD	RESULT	UNIT
Total Volatile Organic Compounds (TVOCs)	Sampling Bag/FID	2.07	ppm

REMARK:

** 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 47P 731342E 1406131N



Examined By ..

09/09/2025

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Request No. ATR6810021

Report No. 6810-0605

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
SAMPLE SOURCE : GC 19
SAMPLE NAME : Tank Farm 3 (TK-1693)
SAMPLING DATE : 09/10/2025 SAMPLE NO. : A68100605
RECEIVED DATE : 14/10/2025 SAMPLING TIME : 10:35-11:35
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.20 L/min TESTED DATE : 18/10/2025
Serial No. 20200403077 REPORTED DATE : 28/10/2025

PARAMETER**	TEST METHOD	RESULT	UNIT
Total Volatile Organic Compounds (TVOCs)	Sampling Bag/FID	3.11	ppm

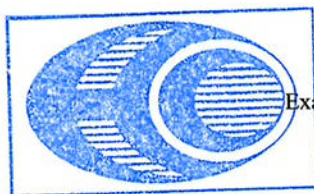
REMARK:

** Parameter not have License Registration of Department of Labour Protection and Welfare.

Sampling By Eastern Thai Consulting 1992 Co.,Ltd., (Miss Duangchai Yaemprakhon)

Analysed By SECOT Co.,Ltd.

GPS = Sampling at UTM 47P 731342E 1406131N



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Examined By.

28/10/2025

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Request No. ATR6808027

Report No. 6808-0371

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
SAMPLE SOURCE : GC 19
SAMPLE NAME : Tank Farm 4 (TK-5402)
SAMPLING DATE : 13/08/2025 SAMPLE NO : A68080371
RECEIVED DATE : 15/08/2025 SAMPLING TIME : 08:54-09:54
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.20 L/min TESTED DATE : 18/08/2025
Serial No. 20200403074 REPORTED DATE : 09/09/2025

PARAMETER**	TEST METHOD	RESULT	UNIT
Total Volatile Organic Compounds (TVOCs)	Sampling Bag/FID	1.78	ppm

REMARK:

** 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 47P 730961E 1406269N



Examined By ...

09/09/2025

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Request No. ATR6810021

Report No. 6810-0606

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
 ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
 SAMPLE SOURCE : GC 19
 SAMPLE NAME : Tank Farm 4 (TK-5402)
 SAMPLING DATE : 09/10/2025 SAMPLE NO. : A68100606
 RECEIVED DATE : 14/10/2025 SAMPLING TIME : 09:23-10:23
 SAMPLING INSTRUMENT : Personal Pump Flow rate 0.20 L/min TESTED DATE : 18/10/2025
 Serial No. 20200403075 REPORTED DATE : 28/10/2025

PARAMETER**	TEST METHOD	RESULT	UNIT
Total Volatile Organic Compounds (TVOCs)	Sampling Bag/FID	4.07	ppm

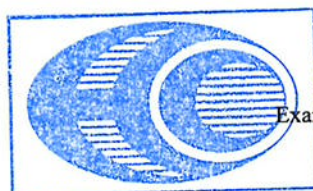
REMARK:

** Parameter not have License Registration of Department of Labour Protection and Welfare.

Sampling By Eastern Thai Consulting 1992 Co.,Ltd., (Miss Duangchai Yaemprakhon)

Analysed By SECOT Co.,Ltd.

GPS = Sampling at UTM 47P 730961E 1406269N



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Examined By..

28/10/2025

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Request No. ATR6808027

Report No. 6808-0372

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19

ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150

SAMPLE SOURCE : GC 19

SAMPLE NAME : พนักงานที่ปฏิบัติงานในพื้นที่เสี่ยงในกระบวนการผลิต (คุณภัทรพล นุ่มนึ่ง)

SAMPLING DATE : 13/08/2025 SAMPLE NO : A68080372

RECEIVED DATE : 15/08/2025 SAMPLING TIME : 07:00-19:00

SAMPLING INSTRUMENT : Personal Pump Flow rate 0.01 L/min TESTED DATE : 26/08/2025

Serial No. 218444 REPORTED DATE : 09/09/2025

PARAMETER**	TEST METHOD	RESULT ²	STD ¹	UNIT
Propylene Oxide (07:00-19:00)	NIOSH 1612/GC-FID	ND	240	mg/m ³
		ND	100	ppm
Propylene Oxide (TWA) (07:00-19:00)	NIOSH 1612/GC-FID	ND	240	mg/m ³
		ND	100	ppm

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

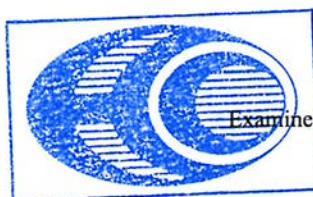
Concentration Limits of Hazardous Chemicals.

² ND = Non detectable : When detection limit of Propylene Oxide is less than 0.10 mg/m³ or 0.05 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.



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By

09/09/2025

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Request No. ATR6808027

Report No. 6808-0373

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
SAMPLE SOURCE : GC 19
SAMPLE NAME : พนักงานที่ปฏิบัติงานในพื้นที่เสี่ยงในกระบวนการผลิต (คุณพงษ์นรินทร์ ถีตานา)
SAMPLING DATE : 13/08/2025 SAMPLE NO : A68080373
RECEIVED DATE : 15/08/2025 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.01 L/min TESTED DATE : 26/08/2025
Serial No. 218402 REPORTED DATE : 09/09/2025

PARAMETER**	TEST METHOD	RESULT ²	STD ¹	UNIT
Propylene Oxide (07:00-19:00)	NIOSH 1612/GC-FID	ND	240	mg/m ³
		ND	100	ppm
Propylene Oxide (TWA) (07:00-19:00)	NIOSH 1612/GC-FID	ND	240	mg/m ³
		ND	100	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 : When detection limit of Propylene Oxide is less than 0.10 mg/m³ or 0.05 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.



Examined By ...

09/09/2025

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Request No. ATR6808027

Report No. 6808-0374

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
SAMPLE SOURCE : GC 19
SAMPLE NAME : พนักงานที่ปฏิบัติงานในพื้นที่เสี่ยงในกระบวนการผลิต (คุณบรรพต มโนชัย)
SAMPLING DATE : 13/08/2025 SAMPLE NO : A68080374
RECEIVED DATE : 15/08/2025 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.01 L/min TESTED DATE : 26/08/2025
Serial No. 218411 REPORTED DATE : 09/09/2025

PARAMETER**	TEST METHOD	RESULT ²	STD ¹	UNIT
Propylene Oxide (07:00-19:00)	NIOSH 1612/GC-FID	ND	240	mg/m ³
		ND	100	ppm
Propylene Oxide (TWA) (07:00-19:00)	NIOSH 1612/GC-FID	ND	240	mg/m ³
		ND	100	ppm

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

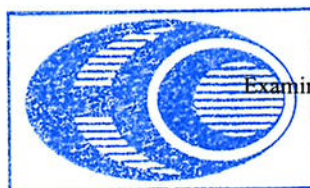
Concentration Limits of Hazardous Chemicals.

² ND = Non detectable : When detection limit of Propylene Oxide is less than 0.10 mg/m³ or 0.05 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.



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By ..

09/09/2025

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Request No. ATR6808027

Report No. 6808-0375

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
SAMPLE SOURCE : GC 19
SAMPLE NAME : พนักงานที่ปฏิบัติงานในพื้นที่เสี่ยงในกระบวนการผลิต (คุณอรุณโกวิท สิงห์โตทอง)
SAMPLING DATE : 13/08/2025 SAMPLE NO : A68080375
RECEIVED DATE : 15/08/2025 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.01 L/min TESTED DATE : 26/08/2025
Serial No. 218412 REPORTED DATE : 09/09/2025

PARAMETER**	TEST METHOD	RESULT ²	STD ¹	UNIT
Propylene Oxide (07:00-19:00)	NIOSH 1612/GC-FID	ND	240	mg/m ³
		ND	100	ppm
Propylene Oxide (TWA) (07:00-19:00)	NIOSH 1612/GC-FID	ND	240	mg/m ³
		ND	100	ppm

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

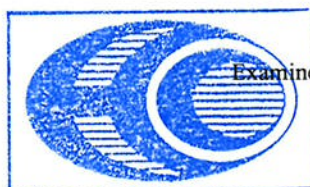
Concentration Limits of Hazardous Chemicals.

² ND = Non detectable : When detection limit of Propylene Oxide is less than 0.10 mg/m³ or 0.05 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.



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

09/09/2025

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
WITHOUT THE WRITTEN APPROVAL LABORATORY

Request No. ATR6808027

Report No. 6808-0376

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
SAMPLE SOURCE : GC 19
SAMPLE NAME : พนักงานที่ปฏิบัติงานในพื้นที่เสี่ยงในกระบวนการผลิต (คุณนารากร สุดสายตา)
SAMPLING DATE : 13/08/2025 SAMPLE NO : A68080376
RECEIVED DATE : 15/08/2025 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.01 L/min TESTED DATE : 26/08/2025
Serial No. 218413 REPORTED DATE : 09/09/2025

PARAMETER**	TEST METHOD	RESULT ²	STD ¹	UNIT
Propylene Oxide (07:00-19:00)	NIOSH 1612/GC-FID	ND	240	mg/m ³
		ND	100	ppm
Propylene Oxide (TWA) (07:00-19:00)	NIOSH 1612/GC-FID	ND	240	mg/m ³
		ND	100	ppm

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

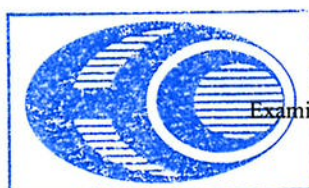
Concentration Limits of Hazardous Chemicals.

² ND = Non detectable : When detection limit of Propylene Oxide is less than 0.10 mg/m³ or 0.05 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.



Examined By

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

09/09/2025

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WITHOUT THE WRITTEN APPROVAL LABORATORY

Request No. ATR6810021

Report No. 6810-0607

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
 ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
 SAMPLE SOURCE : GC 19
 SAMPLE NAME : พนักงานที่ปฏิบัติงานในพื้นที่เสี่ยงในกระบวนการผลิต (คุณอรุณโกวิท สิงห์โตทอง)
 SAMPLING DATE : 09/10/2025 SAMPLE NO. : A68100607
 RECEIVED DATE : 14/10/2025 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Personal Pump Flow rate 0.01 L/min TESTED DATE : 17/10/2025
 Serial No. 218391 REPORTED DATE : 28/10/2025

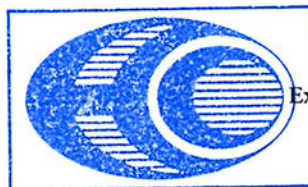
PARAMETER**	TEST METHOD	RESULT ^{/2}	STD ^{/1}	UNIT
Propylene Oxide (07:00-19:00)	NIOSH 1612/GC-FID	ND	240	mg/m ³
		ND	100	ppm
Propylene Oxide (TWA)(07:00-19:00)	NIOSH 1612/GC-FID	ND	240	mg/m ³
		ND	100	ppm

REMARK:^{/1} Notification of The Department of Labour Protection and Welfare B.E.2560 (2017), Concentration Limits of Hazardous Chemicals.^{/2} ND = Non detectable : When detection limit of Propylene Oxide is less than 0.10 mg/m³ or 0.05 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., (Miss Duangchai Yaemprakhon)

Analysed By SECOT Co.,Ltd.



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By...

28/10/2025

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Request No. ATR6810021

Report No. 6810-0608

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
SAMPLE SOURCE : GC 19
SAMPLE NAME : พนักงานที่ปฏิบัติงานในพื้นที่เสี่ยงในกระบวนการผลิต (คุณนวกาศ์ แสงสุรินทร์)
SAMPLING DATE : 09/10/2025 SAMPLE NO. : A68100608
RECEIVED DATE : 14/10/2025 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.01 L/min TESTED DATE : 17/10/2025
Serial No. 218408 REPORTED DATE : 28/10/2025

PARAMETER**	TEST METHOD	RESULT ^{/2}	STD ^{/1}	UNIT
Propylene Oxide (07:00-19:00)	NIOSH 1612/GC-FID	ND	240	mg/m ³
		ND	100	ppm
Propylene Oxide (TWA)(07:00-19:00)	NIOSH 1612/GC-FID	ND	240	mg/m ³
		ND	100	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 : When detection limit of Propylene Oxide is less than 0.10 mg/m³ or 0.05 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., (Miss Duangchai Yaemprakhon)

Analysed By SECOT Co.,Ltd.



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Examined By..

28/10/2025

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Request No. ATR6810021

Report No. 6810-0609

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
SAMPLE SOURCE : GC 19
SAMPLE NAME : พนักงานที่ปฏิบัติงานในพื้นที่เสี่ยงในกระบวนการผลิต (คุณนารากร สุดสายตา)
SAMPLING DATE : 09/10/2025 SAMPLE NO. : A68100609
RECEIVED DATE : 14/10/2025 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.01 L/min TESTED DATE : 17/10/2025
Serial No. 218432 REPORTED DATE : 28/10/2025

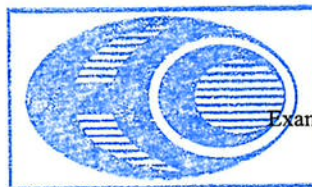
PARAMETER**	TEST METHOD	RESULT ^{/2}	STD ^{/1}	UNIT
Propylene Oxide (07:00-19:00)	NIOSH 1612/GC-FID	ND	240	mg/m ³
		ND	100	ppm
Propylene Oxide (TWA)(07:00-19:00)	NIOSH 1612/GC-FID	ND	240	mg/m ³
		ND	100	ppm

REMARK:^{/1} Notification of The Department of Labour Protection and Welfare B.E.2560 (2017), Concentration Limits of Hazardous Chemicals.^{/2} ND = Non detectable : When detection limit of Propylene Oxide is less than 0.10 mg/m³ or 0.05 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., (Miss Duangchai Yaemprakhon)

Analysed By SECOT Co.,Ltd.



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Examined By.

28/10/2025

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Request No. ATR6810021

Report No. 6810-0610

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
SAMPLE SOURCE : GC 19
SAMPLE NAME : พนักงานที่ปฏิบัติงานในพื้นที่เสี่ยงในกระบวนการผลิต (คุณภาพudes ยี่ดัด)
SAMPLING DATE : 09/10/2025 SAMPLE NO. : A68100610
RECEIVED DATE : 14/10/2025 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.01 L/min TESTED DATE : 17/10/2025
Serial No. 218444 REPORTED DATE : 28/10/2025

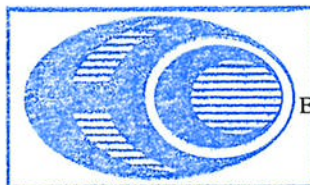
PARAMETER**	TEST METHOD	RESULT	STD ¹	UNIT
Propylene Oxide (07:00-19:00)	NIOSH 1612/GC-FID	1.16	240	mg/m ³
		0.49	100	ppm
Propylene Oxide (TWA)(07:00-19:00)	NIOSH 1612/GC-FID	1.16	240	mg/m ³
		0.49	100	ppm

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., (Miss Duangchai Yaemprakhon)

Analysed By SECOT Co.,Ltd.



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Examined By..

28/10/2025

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Request No. ATR6810021

Report No. 6810-0611

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
SAMPLE SOURCE : GC 19
SAMPLE NAME : พนักงานที่ปฏิบัติงานในพื้นที่เสี่ยงในกระบวนการผลิต (อุณหภูมิพลุ่มนึ่ง)
SAMPLING DATE : 09/10/2025 SAMPLE NO. : A68100611
RECEIVED DATE : 14/10/2025 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.01 L/min TESTED DATE : 17/10/2025
Serial No. 218405 REPORTED DATE : 28/10/2025

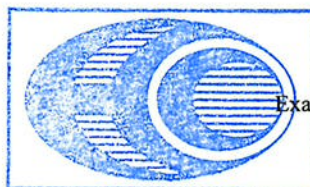
PARAMETER**	TEST METHOD	RESULT ^{/2}	STD ^{/1}	UNIT
Propylene Oxide (07:00-19:00)	NIOSH 1612/GC-FID	ND	240	mg/m ³
		ND	100	ppm
Propylene Oxide (TWA)(07:00-19:00)	NIOSH 1612/GC-FID	ND	240	mg/m ³
		ND	100	ppm

REMARK:^{/1} Notification of The Department of Labour Protection and Welfare B.E.2560 (2017), Concentration Limits of Hazardous Chemicals.^{/2} ND = Non detectable : When detection limit of Propylene Oxide is less than 0.10 mg/m³ or 0.05 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., (Miss Duangchai Yaemprakhon)

Analysed By SECOT Co.,Ltd.



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Examined By...

28/10/2025

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Request No. LA68-R0847

Report No. R6808-2028

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150
SAMPLE SOURCE : GC19
SAMPLE POINT : Air Compressor
PARAMETER* : L_{eq} 1 hr., L_{eq} 12 hr. & L_{max} SAMPLE NO. : 28108
DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 15/08/2025
INSTRUMENT : Integrated Sound Level Meter ; RECEIVED DATE : 15/08/2025
S/N 00322752 : Class 2 REPORTED DATE : 22/08/2025

MEASURING TIME	RESULT		UNIT
	L_{eq} 1 hr.	L_{max}	
08:25 - 09:25	84.7	87.9	dB(A)
09:25 - 10:25	85.5	92.7	dB(A)
10:25 - 11:25	85.3	88.6	dB(A)
11:25 - 12:25	85.5	88.6	dB(A)
12:25 - 13:25	85.1	88.4	dB(A)
13:25 - 14:25	85.0	88.1	dB(A)
14:25 - 15:25	84.8	87.7	dB(A)
15:25 - 16:25	85.0	88.2	dB(A)
16:25 - 17:25	84.5	87.4	dB(A)
17:25 - 18:25	84.3	86.8	dB(A)
18:25 - 19:25	84.4	86.5	dB(A)
19:25 - 20:25	84.7	87.3	dB(A)
L_{eq} 12 hr.	84.9	-	dB(A)
Standard	87 ^{/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. Savita Kittinoavarat



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Approved By ...

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22/08/2025

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Request No. LA68-R0847

Report No. R6808-2029

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
 ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150
 SAMPLE SOURCE : GC19
 SAMPLE POINT : C3 Recycle Compressor
 PARAMETER* : L_{eq} 1 hr., L_{eq} 12 hr. & L_{max} SAMPLE NO. : 28109
 DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 15/08/2025
 INSTRUMENT : Integrated Sound Level Meter ; RECEIVED DATE : 15/08/2025
 S/N 00322750 : Class 2 REPORTED DATE : 22/08/2025

MEASURING TIME	RESULT		UNIT
	L_{eq} 1 hr.	L_{max}	
08:30 - 09:30	86.7	88.6	dB(A)
09:30 - 10:30	86.7	94.0	dB(A)
10:30 - 11:30	86.6	88.4	dB(A)
11:30 - 12:30	86.7	88.1	dB(A)
12:30 - 13:30	86.6	87.5	dB(A)
13:30 - 14:30	86.5	87.4	dB(A)
14:30 - 15:30	86.5	89.2	dB(A)
15:30 - 16:30	86.4	87.2	dB(A)
16:30 - 17:30	86.4	87.5	dB(A)
17:30 - 18:30	86.5	87.1	dB(A)
18:30 - 19:30	86.5	87.1	dB(A)
19:30 - 20:30	86.5	87.0	dB(A)
L_{eq} 12 hr.	86.6	—	dB(A)
Standard	87 ^{/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. Savita Kittinoavarat



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Request No. LA68-R0854

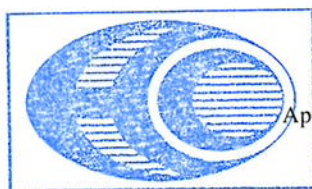
Report No. R6808-2513

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
 ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150
 SAMPLE SOURCE : GC19
 SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift A (Morning Shift) (คุณทัตเทพ รัตนโสภา ID 26008180)
 MEASURING DATE : 18/08/2025 SAMPLE NO. : 28593
 RECEIVED DATE : 18/08/2025 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0640 REPORTED DATE : 21/08/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	51.7	83 ^{/1}	dB(A)
L _{max} 12 hr	80.1	115 ^{/3}	dB(A)
12 Hour dose	0.07	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	53.5	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)
[#] 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 Mr. Supachai Parakan)



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Approved By.....

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21/08/2025

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Request No. LA68-R0854

Report No. R6808-2515

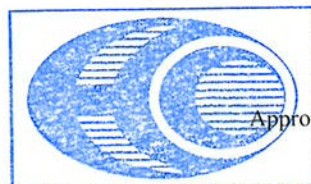
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
 ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150
 SAMPLE SOURCE : GC19
 SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift A (Morning Shift) (คุณมานะชัย โชติมณี ID 26009931)
 MEASURING DATE : 18/08/2025 SAMPLE NO. : 28595
 RECEIVED DATE : 18/08/2025 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0644 REPORTED DATE : 21/08/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	82.9	83 ^{/1}	dB(A)
L _{max} 12 hr	99.2	115 ^{/3}	dB(A)
12 Hour dose	91.49	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	84.6	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 Mr. Supachai Parakan)



Approved By.....

(MR

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21/08/2025

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Request No. LA68-R09137

Report No. R6809-3690

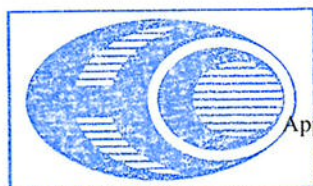
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150
SAMPLE SOURCE : GC19
SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift A (Morning Shift) (คุณฐิติกร เทิงสูงเนิน ID 26008177)
MEASURING DATE : 15/09/2025 SAMPLE NO. : 33498
RECEIVED DATE : 15/09/2025 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Noise dosimeter : S/N CA8879 REPORTED DATE : 18/09/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	77.2	83 ^{/1}	dB(A)
L _{max} 12 hr	95.3	115 ^{/3}	dB(A)
12 Hour dose	24.81	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	78.9	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 Mr. Supachai Parakan)



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Approved By....

18/09/2025

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Request No. LA68-R09137

Report No. R6809-3691

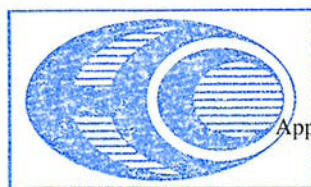
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
 ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150
 SAMPLE SOURCE : GC19
 SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift A (Morning Shift) (คุณธีระเดช แสงเดช ID 26008020)
 MEASURING DATE : 15/09/2025 SAMPLE NO. : 33499
 RECEIVED DATE : 15/09/2025 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CA8888 REPORTED DATE : 18/09/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	64.6	83 ^{/1}	dB(A)
L _{max} 12 hr	84.6	115 ^{/3}	dB(A)
12 Hour dose	1.38	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	66.4	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 Mr. Supachai Parakan)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By...

18/09/2025

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Request No. LA68-R09248

Report No. R6809-6338

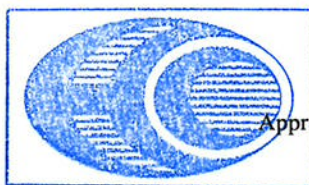
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
 ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150
 SAMPLE SOURCE : GC19
 SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift A (Morning Shift) (ศูนย์พิกุล วิจัย ID 26008179)
 MEASURING DATE : 24/09/2025 SAMPLE NO. : 36135
 RECEIVED DATE : 24/09/2025 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CB1499 REPORTED DATE : 30/09/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	57.0	83 ^{/1}	dB(A)
L _{max} 12 hr	81.3	115 ^{/3}	dB(A)
12 Hour dose	0.24	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	58.8	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. Pornnapa Phongphet)



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30/09/2025

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Request No. LA68-R0840

Report No. R6808-1559

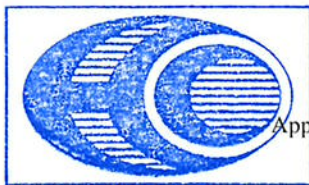
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
 ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150
 SAMPLE SOURCE : GC19
 SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift B (Morning Shift) (จุดตรวจโกวิท สิงห์โตทอง ID 26008184)
 MEASURING DATE : 13/08/2025 SAMPLE NO. : 27638
 RECEIVED DATE : 13/08/2025 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0954 REPORTED DATE : 16/08/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	81.3	83 ^{/1}	dB(A)
L _{max} 12 hr	93.5	115 ^{/3}	dB(A)
12 Hour dose	63.58	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	83.0	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)
- [#] 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. Savita Kittinoavarat)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By....

(M

16/08/2025

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Request No. LA68-R0840

Report No. R6808-1561

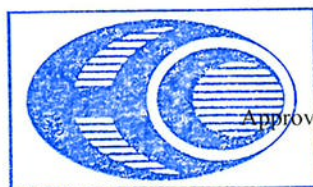
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
 ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150
 SAMPLE SOURCE : GC19
 SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift B (Morning Shift) (คุณนารากร สุดสายตา ID 26008186)
 MEASURING DATE : 13/08/2025 SAMPLE NO. : 27640
 RECEIVED DATE : 13/08/2025 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0956 REPORTED DATE : 16/08/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	54.7	83 ^{/1}	dB(A)
L _{max} 12 hr	88.4	115 ^{/3}	dB(A)
12 Hour dose	0.14	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	56.5	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)
[#] 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. Savita Kittinoavarat)



Approved By.....

(MRS. [REDACTED])

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

16/08/2025

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Request No. LA68-R0840

Report No. R6808-1562

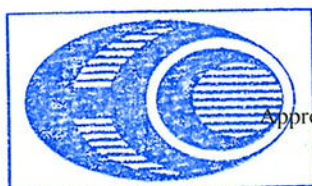
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
 ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150
 SAMPLE SOURCE : GC19
 SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift B (Morning Shift) (คุณภัทรพล นุ่มนึ่ง ID 26008019)
 MEASURING DATE : 13/08/2025 SAMPLE NO. : 27641
 RECEIVED DATE : 13/08/2025 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0957 REPORTED DATE : 16/08/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	71.3	83 ^{/1}	dB(A)
L _{max} 12 hr	92.8	115 ^{/3}	dB(A)
12 Hour dose	6.36	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	73.0	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)
- [#] 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. Savita Kittinoavarat)



Approved By.....

(MRS

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

16/08/2025

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Request No. LA68-R0840

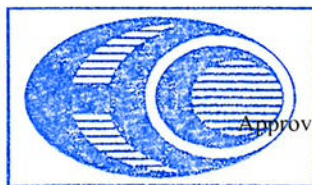
Report No. R6808-1563

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150
SAMPLE SOURCE : GC19
SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift B (Morning Shift) (คุณพงษ์นรินทร์ ลีตานา ID 26008175)
MEASURING DATE : 13/08/2025 SAMPLE NO. : 27642
RECEIVED DATE : 13/08/2025 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0958 REPORTED DATE : 16/08/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	72.7	83 ^{/1}	dB(A)
L _{max} 12 hr	95.8	115 ^{/3}	dB(A)
12 Hour dose	8.92	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	74.5	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)
[#] 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. Savita Kittinoavarat)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. [REDACTED])

16/08/2025

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Request No. LA68-R09138

Report No. R6809-3694

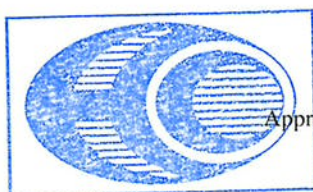
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
 ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150
 SAMPLE SOURCE : GC19
 SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift B (Morning Shift) (คุณชัชวาลย์ธนภักดิ์ อรรถสังข์ ID 26008182)
 MEASURING DATE : 10/09/2025 SAMPLE NO. : 33502
 RECEIVED DATE : 10/09/2025 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CA8879 REPORTED DATE : 18/09/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	51.7	83 ^{/1}	dB(A)
L _{max} 12 hr	80.3	115 ^{/3}	dB(A)
12 Hour dose	0.07	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	53.5	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)
[#] 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 Mr. Supachai Parakan)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By...

18/09/2025

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Request No. LA68-R0847

Report No. R6808-2024

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150
SAMPLE SOURCE : GC19
SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift C (Morning Shift) (คุณสรายุทธ์ วิลังคะ ID 26008174)
MEASURING DATE : 15/08/2025 SAMPLE NO. : 28104
RECEIVED DATE : 15/08/2025 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0641 REPORTED DATE : 22/08/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	58.3	83 ^{/1}	dB(A)
L _{max} 12 hr	85.2	115 ^{/3}	dB(A)
12 Hour dose	0.32	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	60.1	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. Savita Kittinoavarat)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.

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Request No. LA68-R0847

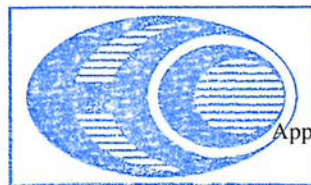
Report No. R6808-2025

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
 ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150
 SAMPLE SOURCE : GC19
 SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift C (Morning Shift) (คุณพิชัย ศรีชัย ID 26008018)
 MEASURING DATE : 15/08/2025 SAMPLE NO. : 28105
 RECEIVED DATE : 15/08/2025 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0642 REPORTED DATE : 22/08/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	73.3	83 ^{/1}	dB(A)
L _{max} 12 hr	86.9	115 ^{/3}	dB(A)
12 Hour dose	10.04	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	75.0	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)
[#] 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. Savita Kittinoavarat)



Approved By.....

(MR

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

22/08/2025

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Request No. LA68-R0847

Report No. R6808-2026

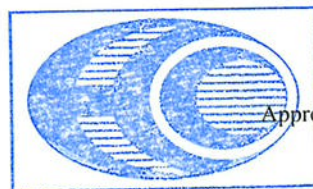
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
 ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150
 SAMPLE SOURCE : GC19
 SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift C (Morning Shift) (คุณนวกาศย์ แสงสุรินทร์ ID 26008183)
 MEASURING DATE : 15/08/2025 SAMPLE NO. : 28106
 RECEIVED DATE : 15/08/2025 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0644 REPORTED DATE : 22/08/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	55.8	83 ^{/1}	dB(A)
L _{max} 12 hr	81.6	115 ^{/3}	dB(A)
12 Hour dose	0.18	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	57.6	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. Savita Kittinoavarat)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MR

22/08/2025

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Request No. LA68-R0847

Report No. R6808-2027

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
 ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150
 SAMPLE SOURCE : GC19
 SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift C (Morning Shift) (คุณภาพพิเศษ เอียดยัด ID 26008176)
 MEASURING DATE : 15/08/2025 SAMPLE NO. : 28107
 RECEIVED DATE : 15/08/2025 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CB1500 REPORTED DATE : 22/08/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	62.0	83 ^{/1}	dB(A)
L _{max} 12 hr	88.5	115 ^{/3}	dB(A)
12 Hour dose	0.76	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	63.8	85 ^{/1}	dB(A)

REMARK :

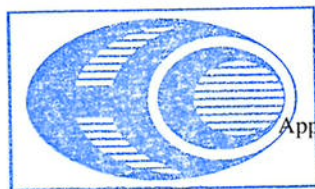
^{/1} Notification of The Department of Labour Protection and Welfare B.E. 2561 (2018)

^{/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. Savita Kittinoavarat)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By...

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22/08/2025

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Request No. LA68-R09129

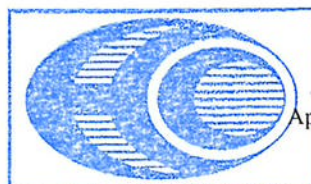
Report No. R6809-3513

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
 ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150
 SAMPLE SOURCE : GC19
 SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift C (Morning Shift) (คุณวัฒน์ชัย สุวรรณเมฆ ID 26008185)
 MEASURING DATE : 12/09/2025 SAMPLE NO. : 33320
 RECEIVED DATE : 12/09/2025 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CA8879 REPORTED DATE : 17/09/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	49.3	83 ^{/1}	dB(A)
L _{max} 12 hr	74.6	115 ^{/3}	dB(A)
12 Hour dose	0.04	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	51.0	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)
[#] 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 Mr. Supachai Parakan)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By....

17/09/2025

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Request No. LA68-R0863

Report No. R6808-2816

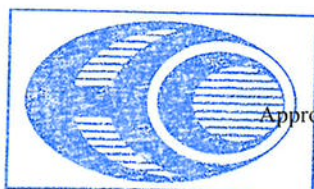
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
 ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150
 SAMPLE SOURCE : GC19
 SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift D (Morning Shift) (คุณภาพวัสดุ อินนิงแท่น ID 26008189)
 MEASURING DATE : 20/08/2025 SAMPLE NO. : 28900
 RECEIVED DATE : 20/08/2025 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CA8886 REPORTED DATE : 21/08/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	46.2	83 ^{/1}	dB(A)
L _{max} 12 hr	74.8	115 ^{/3}	dB(A)
12 Hour dose	0.02	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	48.0	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)
[#] 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. Duangchai Yaemprakhon)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By...

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21/08/2025

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Request No. LA68-R0863

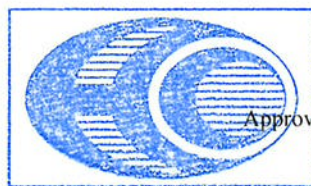
Report No. R6808-2817

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
 ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150
 SAMPLE SOURCE : GC19
 SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift D (Morning Shift) (คุณชุกรี ประเสริฐดำ ID 26008171)
 MEASURING DATE : 20/08/2025 SAMPLE NO. : 28901
 RECEIVED DATE : 20/08/2025 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CA8879 REPORTED DATE : 21/08/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	58.0	83 ^{/1}	dB(A)
L _{max} 12 hr	84.5	115 ^{/3}	dB(A)
12 Hour dose	0.30	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	59.8	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. Duangchai Yaemprakhon)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By...

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21/08/2025

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Request No. LA68-R0863

Report No. R6808-2818

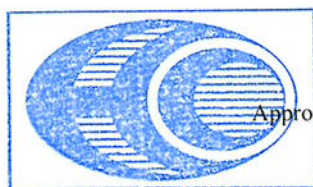
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
 ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150
 SAMPLE SOURCE : GC19
 SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift D (Morning Shift) (คุณสมบัติ คำภาพงษ์ ID 26008172)
 MEASURING DATE : 20/08/2025 SAMPLE NO. : 28902
 RECEIVED DATE : 20/08/2025 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CA8887 REPORTED DATE : 21/08/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	54.4	83 ^{/1}	dB(A)
L _{max} 12 hr	80.1	115 ^{/3}	dB(A)
12 Hour dose	0.13	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	56.1	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. Duangchai Yaemprakhon)



Approved By....

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21/08/2025

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Request No. LA68-R0863

Report No. R6808-2819

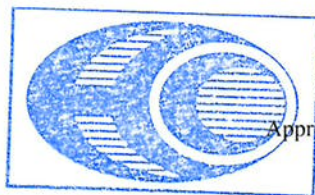
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
 ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150
 SAMPLE SOURCE : GC19
 SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift D (Morning Shift) (คุณจตุรงค์ แสงกระจ่าง ID 26008173)
 MEASURING DATE : 20/08/2025 SAMPLE NO. : 28903
 RECEIVED DATE : 20/08/2025 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CA8889 REPORTED DATE : 21/08/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	58.8	83 ^{/1}	dB(A)
L _{max} 12 hr	79.4	115 ^{/3}	dB(A)
12 Hour dose	0.36	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	60.6	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. Duangchai Yaemprakhon)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By...

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Request No. LA68-R0863

Report No. R6808-2820

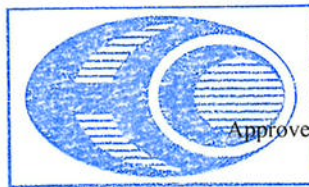
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
 ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150
 SAMPLE SOURCE : GC19
 SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift D (Morning Shift) (คุณเจริญพงษ์ เกษไธ ID 26008178)
 MEASURING DATE : 20/08/2025 SAMPLE NO. : 28904
 RECEIVED DATE : 20/08/2025 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CA8888 REPORTED DATE : 21/08/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	57.4	83 ^{/1}	dB(A)
L _{max} 12 hr	78.0	115 ^{/3}	dB(A)
12 Hour dose	0.26	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	59.1	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. Duangchai Yaemprakhon)



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Approved By.....

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21/08/2025

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