

ภาคผนวก ค

รายงานผลการตรวจวัดคุณภาพสิ่งแวดล้อม

Request No. ATR6805054

Report No. 6805-1074 - 6805-1080

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 : วัดมาบชูด
 RECEIVED DATE : 21/05/2025 SAMPLE NO. : A68051074 - A68051080
 TESTED DATE : 21/05/2025-22/05/2025 REPORTED DATE : 27/05/2025

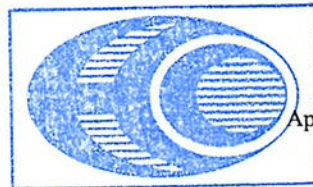
PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD ^{1/}	UNIT
Total Suspended Particulate (TSP)	Gravimetric Method	08-09/05/2025	0.028	0.33	mg/m ³
		09-10/05/2025	0.032	0.33	mg/m ³
		10-11/05/2025	0.038	0.33	mg/m ³
		11-12/05/2025	0.029	0.33	mg/m ³
		12-13/05/2025	0.034	0.33	mg/m ³
		13-14/05/2025	0.028	0.33	mg/m ³
		14-15/05/2025	0.025	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. Suphakorn Noppornpitak)

GPS = Sampling at UTM 47P 736823E 1407369N



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

27/05/2025

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

Request No. ATR6805054

Report No. 6805-1067 - 6805-1073

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 : วัดมาบชลูด
 RECEIVED DATE : 21/05/2025 SAMPLE NO. : A68051067 - A68051073
 TESTED DATE : 21/05/2025-22/05/2025 REPORTED DATE : 27/05/2025

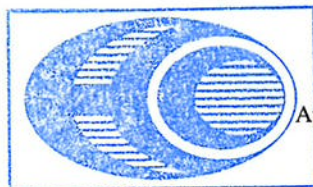
PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD ¹	UNIT
Particulate matter less than or Equal					
10 micrometers (PM 10)	Gravimetric Method	08-09/05/2025	0.017	0.12	mg/m ³
		09-10/05/2025	0.018	0.12	mg/m ³
		10-11/05/2025	0.026	0.12	mg/m ³
		11-12/05/2025	0.024	0.12	mg/m ³
		12-13/05/2025	0.029	0.12	mg/m ³
		13-14/05/2025	0.019	0.12	mg/m ³
		14-15/05/2025	0.022	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. Suphakorn Noppornpitak)

GPS = Sampling at UTM 47P 736823E 1407369N



Approved By

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

27/05/2025

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Request No. ATR6805054

Report No. 6805-1081 - 6805-1087

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 : วัดมาบชลุค
 RECEIVED DATE : 21/05/2025 SAMPLE NO. : A68051081 - A68051087
 TESTED DATE : 21/05/2025-26/05/2025 REPORTED DATE : 27/05/2025

PARAMETER**	TEST METHOD	SAMPLING DATE	RESULT ^{1/}	UNIT
Propylene oxide	NIOSH1612/GC-FID	08-09/05/2025	ND	mg/m ³
			ND	ppm
		09-10/05/2025	ND	mg/m ³
			ND	ppm
		10-11/05/2025	ND	mg/m ³
			ND	ppm
		11-12/05/2025	ND	mg/m ³
			ND	ppm
		12-13/05/2025	ND	mg/m ³
			ND	ppm
		13-14/05/2025	ND	mg/m ³
			ND	ppm
		14-15/05/2025	ND	mg/m ³
			ND	ppm

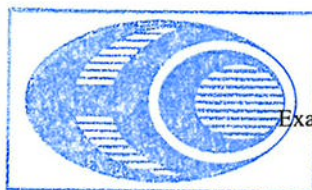
REMARK:

^{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. Suphakorn Noppompitak)

Analysed By SECOT Co.,Ltd.

GPS = Sampling at UTM 47P 736823E 1407369N



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.

27/05/2025

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Request No. ATR6807044

Report No. 6807-0803

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 : 17/07/2025 SAMPLE NO. : A68070803
TESTED DATE : 17/07/2025-18/07/2025 REPORTED DATE : 21/07/2025

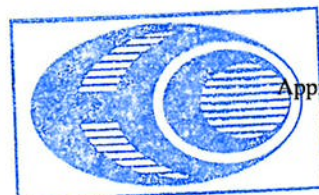
PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD ¹	UNIT
Total Suspended Particulate (TSP)	Gravimetric Method	15-16/07/2025	0.060	0.33	mg/m ³

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

21/07/2025

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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WITHOUT THE WRITTEN APPROVAL LABORATORY

Request No. ATR6807044

Report No. 6807-0802

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 : 17/07/2025 SAMPLE NO. : A68070802
TESTED DATE : 17/07/2025-18/07/2025 REPORTED DATE : 21/07/2025

PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD ^{/1}	UNIT
Particulate matter less than or Equal 10 micrometers (PM 10)	Gravimetric Method	15-16/07/2025	0.022	0.12	mg/m ³

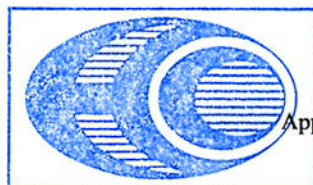
REMARK:

^{/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



Approved By .

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

21/07/2025

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Request No. ATR6807044

Report No. 6807-0804

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 : 17/07/2025 SAMPLE NO. : A68070804
TESTED DATE : 17/07/2025-22/07/2025 REPORTED DATE : 22/07/2025

PARAMETER**	TEST METHOD	SAMPLING DATE	RESULT ^{/1}	UNIT
Propylene oxide	NIOSH1612/GC-FID	15-16/07/2025	ND	mg/m ³
			ND	ppm

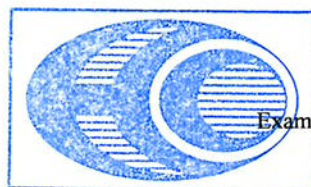
REMARK:

^{/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

22/07/2025

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

Request No. LA68-R0576

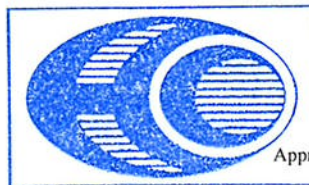
Report No. R6805-2640 - R6805-2646

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 : วัดมาบขลุค
PARAMETER* : Nitrogen Dioxide
DETERMINATION METHOD : Chemiluminescence
INSTRUMENT : API Model M200E S/N 3999

SAMPLE NO. : 11760-11766
SAMPLING DATE : 08-15/05/2025
RECEIVED DATE : 15/05/2025
REPORTED DATE : 24/05/2025

TIME / DATE	08-09/05/2025	09-10/05/2025	10-11/05/2025	11-12/05/2025	12-13/05/2025	13-14/05/2025	14-15/05/2025	UNIT
11:00 - 11:00 ²	0.007	0.003	0.003	0.008	0.011	0.008	0.003	ppm
12:00 - 13:00	0.008	0.003	0.003	0.007	0.006	0.015	0.007	ppm
13:00 - 14:00	0.008	0.004	0.004	0.008	0.007	0.013	0.004	ppm
14:00 - 15:00	0.007	0.004	0.004	0.008	0.007	0.015	0.003	ppm
15:00 - 16:00	0.004	0.003	0.004	0.008	0.009	0.016	0.002	ppm
16:00 - 17:00	0.004	0.003	0.004	0.008	0.010	0.016	0.004	ppm
17:00 - 18:00	0.003	0.003	0.005	0.008	0.008	0.010	0.007	ppm
18:00 - 19:00	0.004	0.003	0.005	0.009	0.010	0.008	0.007	ppm
19:00 - 20:00	0.005	0.004	0.005	0.009	0.014	0.006	0.010	ppm
20:00 - 21:00	0.004	0.003	0.005	0.009	0.013	0.004	0.011	ppm
21:00 - 22:00	0.004	0.004	0.004	0.008	0.013	0.006	0.008	ppm
22:00 - 23:00	0.003	0.004	0.004	0.007	0.010	0.007	0.006	ppm
23:00 - 00:00	0.002	0.005	0.005	0.008	0.010	0.005	0.005	ppm
00:00 - 01:00	0.002	0.003	0.005	0.008	0.009	0.005	0.006	ppm
01:00 - 02:00	0.002	0.002	0.006	0.006	0.009	0.005	0.009	ppm
02:00 - 03:00	0.003	0.002	0.006	0.004	0.006	0.006	0.012	ppm
03:00 - 04:00	0.003	0.003	0.007	0.003	0.006	0.009	0.011	ppm
04:00 - 05:00	0.005	0.003	0.007	0.003	0.005	0.010	0.010	ppm
05:00 - 06:00	0.005	0.004	0.007	0.004	0.006	0.012	0.009	ppm
06:00 - 07:00	0.004	0.005	0.007	0.005	0.007	0.012	0.008	ppm
07:00 - 08:00	0.005	0.006	0.007	0.009	0.006	0.007	0.007	ppm
08:00 - 09:00	0.005	0.007	0.008	0.009	0.012	0.009	0.006	ppm
09:00 - 10:00	0.004	0.007	0.008	0.014	0.017	0.010	0.008	ppm
10:00 - 11:00	0.003	0.003	0.008	0.011	0.013	0.006	0.010	ppm
Maximum 1 hr.	0.008	0.007	0.008	0.014	0.017	0.016	0.012	ppm
Average 24 hr.	0.004	0.004	0.005	0.007	0.009	0.009	0.007	ppm
Standard (1 hr.) ¹	0.17	0.17	0.17	0.17	0.17	0.17	0.17	ppm

REMARK : ¹ Notification of The National Environmental Board Volume 33 B.E. 2552 (2009)² Start Time* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Suphakorn Noppompitak)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

24/05/2025

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Wind Speed & Wind Direction

Request No. LA68-R0576

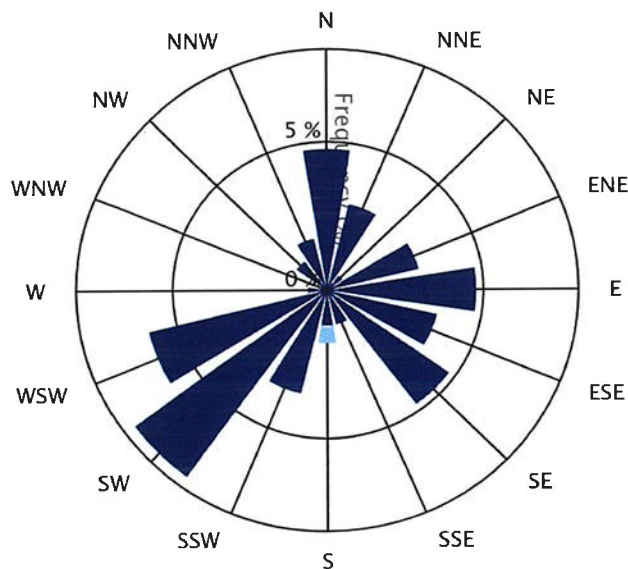
PTT Global Chemical Public Company Limited Branch 19 (GC 19)

Sample No. 11767

Sampling Source : วัดมาบขลุ่ด

Sampling Date : May 8-15, 2025

Calm 51.8 %



■ 0.4-1.9 ■ 2.0-3.9 ■ 4.0-5.9 ■ 6.0-7.9 ■ 8.0-9.9 ■ > 9.9 (m/s)

WD/WS	Percentage of Occurrence of Wind Direct Grouped in Various Wind Speed						Total
	0.4-1.9 m/s	2.0-3.9 m/s	4.0-5.9 m/s	6.0-7.9 m/s	8.0-9.9 m/s	> 9.9 m/s	
N	4.8	0.0	0.0	0.0	0.0	0.0	4.8
NNE	3.0	0.0	0.0	0.0	0.0	0.0	3.0
NE	0.6	0.0	0.0	0.0	0.0	0.0	0.6
ENE	3.0	0.0	0.0	0.0	0.0	0.0	3.0
E	4.8	0.0	0.0	0.0	0.0	0.0	4.8
ESE	3.6	0.0	0.0	0.0	0.0	0.0	3.6
SE	4.8	0.0	0.0	0.0	0.0	0.0	4.8
SSE	1.2	0.0	0.0	0.0	0.0	0.0	1.2
S	1.2	0.6	0.0	0.0	0.0	0.0	1.8
SSW	3.6	0.0	0.0	0.0	0.0	0.0	3.6
SW	7.7	0.0	0.0	0.0	0.0	0.0	7.7
WSW	6.0	0.0	0.0	0.0	0.0	0.0	6.0
W	0.6	0.0	0.0	0.0	0.0	0.0	0.6
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	1.2	0.0	0.0	0.0	0.0	0.0	1.2
NNW	1.8	0.0	0.0	0.0	0.0	0.0	1.8
Total	47.6	0.6	0.0	0.0	0.0	0.0	

Wind Speed & Wind Direction

Request No. LA68-R0576

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

Sample No. 11767

Sampling Source : วัดมาบชลด

Sampling Date : May 8-15, 2025

Time	May 8-9, 2025		May 9-10, 2025		May 10-11, 2025		May 11-12, 2025		May 12-13, 2025		May 13-14, 2025		May 14-15, 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
11:00-12:00	0.0	-	0.4	SW	0.0	-	0.0	-	0.9	S	1.3	N	0.9	SSW
12:00-13:00	0.0	-	0.4	SW	0.9	WSW	0.0	-	0.4	SW	0.4	N	0.0	-
13:00-14:00	0.0	-	0.4	SE	0.0	-	0.0	-	0.0	-	0.4	N	0.0	-
14:00-15:00	0.0	-	0.4	SW	0.0	-	0.4	NNE	0.4	ENE	0.0	-	0.0	-
15:00-16:00	0.0	-	0.9	SSW	0.0	-	0.4	WSW	0.4	E	0.4	ENE	0.0	-
16:00-17:00	0.4	WSW	0.9	SSW	0.0	-	0.4	WSW	0.0	-	0.4	E	0.0	-
17:00-18:00	0.4	SW	0.9	SSW	0.4	NNE	0.4	SSW	0.4	S	0.9	E	0.4	N
18:00-19:00	0.4	WSW	0.4	SSW	0.0	-	0.0	-	0.4	SE	0.4	E	0.0	-
19:00-20:00	0.4	WSW	0.0	-	0.0	-	0.4	SW	0.4	SE	0.9	E	0.0	-
20:00-21:00	0.0	-	0.0	-	1.8	NNE	0.4	SW	0.0	-	0.4	E	0.0	-
21:00-22:00	0.0	-	0.0	-	1.3	NNE	0.0	-	0.0	-	0.9	NE	0.4	SW
22:00-23:00	0.4	WSW	0.0	-	0.0	-	0.4	ESE	0.0	-	0.4	N	0.4	SSE
23:00-00:00	0.4	SW	0.0	-	0.0	-	0.0	-	0.0	-	0.4	ENE	0.0	-
00:00-01:00	0.4	SW	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
01:00-02:00	0.4	SW	0.0	-	0.0	-	0.0	-	0.0	-	0.9	E	0.0	-
02:00-03:00	0.9	WSW	0.4	SW	0.0	-	0.0	-	0.0	-	0.9	E	0.0	-
03:00-04:00	0.0	-	0.4	WSW	0.0	-	0.9	N	0.9	ESE	0.4	ESE	0.0	-
04:00-05:00	0.0	-	0.0	-	0.0	-	0.4	W	0.9	ESE	0.4	ESE	0.0	-
05:00-06:00	0.0	-	0.0	-	0.0	-	0.4	N	0.4	SE	0.4	ESE	0.0	-
06:00-07:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.4	SE	0.0	-
07:00-08:00	0.0	-	0.0	-	0.0	-	1.3	NNW	0.4	ENE	0.9	SE	0.0	-
08:00-09:00	0.0	-	0.0	-	0.4	NNE	0.9	N	0.4	ENE	0.9	SE	0.4	NW
09:00-10:00	0.4	WSW	0.0	-	0.0	-	0.4	NNW	0.0	-	1.3	SE	0.9	NNW
10:00-11:00	0.4	SW	0.0	-	0.0	-	0.4	SSE	0.0	-	2.2	S	0.4	NW

Wind Speed & Wind Direction

Request No. LA68-R0780

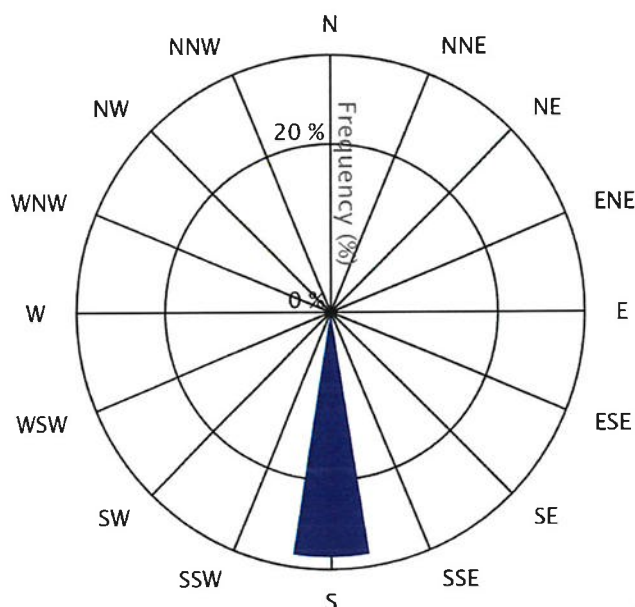
PTT Global Chemical Public Company Limited Branch 19 (GC 19)

Sample No. 23901

Sampling Source : วัดมาบขุด

Sampling Date : July 15-16, 2025

Calm 70.8 %


 0.4-1.9
 2.0-3.9
 4.0-5.9
 6.0-7.9
 8.0-9.9
 > 9.9 (m/s)

WD/WS	Percentage of Occurrence of Wind Direct Grouped in Various Wind Speed						Total
	0.4-1.9 m/s	2.0-3.9 m/s	4.0-5.9 m/s	6.0-7.9 m/s	8.0-9.9 m/s	> 9.9 m/s	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	29.2	0.0	0.0	0.0	0.0	0.0	29.2
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	29.2	0.0	0.0	0.0	0.0	0.0	

Wind Speed & Wind Direction

Request No. LA68-R0780

PTT Global Chemical Public Company Limited Branch 19 (GC 19) Sample No. 23901

Sampling Source : วัดมาบชูด

Sampling Date : July 15-16, 2025

Time	July 15-16, 2025	
	Wind Speed (m/s)	Wind Direction
09:00-10:00	0.0	-
10:00-11:00	0.0	-
11:00-12:00	0.0	-
12:00-13:00	0.0	-
13:00-14:00	0.4	S
14:00-15:00	0.4	S
15:00-16:00	0.4	S
16:00-17:00	0.4	S
17:00-18:00	0.4	S
18:00-19:00	0.4	S
19:00-20:00	0.0	-
20:00-21:00	0.0	-
21:00-22:00	0.0	-
22:00-23:00	0.0	-
23:00-00:00	0.4	S
00:00-01:00	0.0	-
01:00-02:00	0.0	-
02:00-03:00	0.0	-
03:00-04:00	0.0	-
04:00-05:00	0.0	-
05:00-06:00	0.0	-
06:00-07:00	0.0	-
07:00-08:00	0.0	-
08:00-09:00	0.0	-

Request No. LA68-0520

Report No. 6805-0254

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. : 01854-01855
 SAMPLING DATE : 10/05/2025 SAMPLING TIME : 09:40-10:20
 RECEIVED DATE : 14/05/2025 REPORTED DATE : 29/05/2025
 TESTED DATE : 14-19/05/2025
 STACK DESCRIPTION@

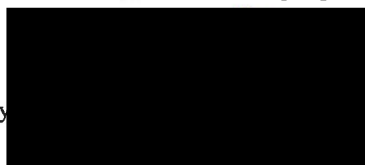
Height :	60.00	m	Type of Process :	Combustion
Diameter :	2.70	m	Type of Fuel :	Natural Gas
Temperature :	448.00	°C	Oxygen Content :	1.67 %
Air Velocity :	9.56	m/s	Barometric Pressure :	754.00 mmHg
Flow rate ² :	20.74	m ³ /s	Atmospheric Temperature :	34.00 °C
Moisture Content :	7.52	%		

PARAMETER	TEST METHOD	TIME	RESULT ²		STD ¹	UNIT
			1.67 % O ₂	7 % O ₂		
Total Suspended Particulate (TSP)	Isokinetic, Gravimetric (U.S. EPA Method 5)	09:40-10:20	582	420.7	320, 113 ³	mg/m ³
			12.071 [@]	-	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	8.6	6.2	376, 28.6 ³	mg/m ³
			4.6	3.3	200, 15.2 ³	ppm
			0.178 [@]	-	0.725 ³	g/s

REMARK:

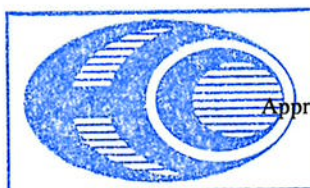
- ¹ Notification of The Ministry of Industry B.E. 2549 (2006)
- ² Standard Condition (Temperature 25°C, Pressure 760 mmHg) and Dry Basis
- ³ ค่ากำหนดตามรายงานการประเมินผลกระทบสิ่งแวดล้อม (EIA)
- [@] These Data Outside The Scope of The Registration of The Department of Industrial Works.
- Sampling By Mr. Metee Sukprasert (ว-003-ค-0035)
- GPS = Sampling at UTM 47P 731246E 1406443N

Examined By



(ว-003-ค-0007)

29/05/2025



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By..



(ว-003-ค-0012)

29/05/2025

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL

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Request No. LA68-0520

Report No. 6805-0255

TEST REPORT

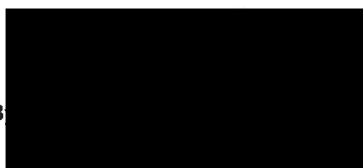
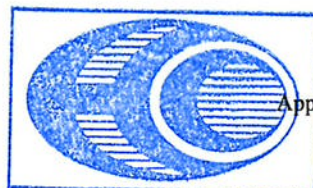
CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
 ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
 SAMPLE SOURCE : GC 19
 SAMPLE POINT : ปล่องของระบบ TO SAMPLE NO. : 01856
 SAMPLING DATE : 10/05/2025 SAMPLING TIME : 09:40-10:10
 RECEIVED DATE : 14/05/2025 REPORTED DATE : 29/05/2025
 TESTED DATE : 14-17/05/2025
 STACK DESCRIPTION@

Height :	60.00	m	Type of Process :	Combustion
Diameter :	2.70	m	Type of Fuel :	Natural Gas
Temperature :	448.00	°C	Oxygen Content :	1.67 %
Air Velocity :	9.56	m/s	Barometric Pressure :	754.00 mmHg
Flow rate ² :	20.74	m ³ /s	Atmospheric Temperature :	34.00 °C
Moisture Content :	7.52	%		

PARAMETER	TEST METHOD	TIME	RESULT ²		STD ¹	UNIT
			1.67 % O ₂	7 % O ₂		
Carbon monoxide	Non-Dispersive Infrared	09:40-10:10	2.1	1.5	790	mg/m ³
(CO)	(U.S. EPA Method 10)		1.8	1.3	690	ppm

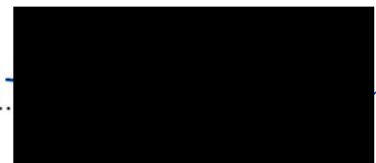
- REMARK:**
- ¹ Notification of The Ministry of Industry B.E. 2549 (2006)
 - ² Standard Condition (Temperature 25°C, Pressure 760 mmHg) and Dry Basis
 - [@] These Data Outside The Scope of The Registration of The Department of Industrial Works.
 - Sampling By Mr. Metee Sukprasert (จ-003-ค-0035)
 - GPS = Sampling at UTM 47P 731246E 1406443N

Examined By


 (จ-003-ค-0007)
 29/05/2025


บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By..


 (จ-003-ค-0012)
 29/05/2025

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Request No. LA68-0520

Report No. 6805-0256

TEST REPORT

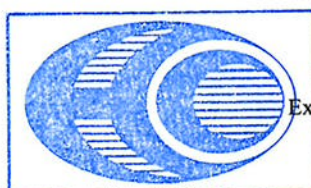
CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
 ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
 SAMPLE SOURCE : GC 19
 SAMPLE POINT : ปล่องของระบบ TO SAMPLE NO. : 01857
 SAMPLING DATE : 10/05/2025 SAMPLING TIME : 09:40-10:10
 RECEIVED DATE : 14/05/2025 REPORTED DATE : 29/05/2025
 TESTED DATE : 14-28/05/2025
 STACK DESCRIPTION :

Height :	60.00	m	Type of Process :	Combustion
Diameter :	2.70	m	Type of Fuel :	Natural Gas
Temperature :	448.00	°C	Oxygen Content :	1.67 %
Air Velocity :	9.56	m/s	Barometric Pressure :	754.00 mmHg
Flow rate ² :	20.74	m ³ /s	Atmospheric Temperature :	34.00 °C
Moisture Content :	7.52	%		

PARAMETER	TEST METHOD	TIME	RESULT ²		STD ¹	UNIT
			1.67 % O ₂	7 % O ₂		
Total Volatile Organic Compounds	U.S.EPA Method 25 A	09:40-10:10	3.17	2.29	-, ³	mg/m ³
(TVOCs) ⁴			1.76	1.27	-, ³	ppm
			0.066	-	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. (Metee Sukprasert)
Analysed By SECOT Co.,Ltd.
- GPS = Sampling at UTM 47P 731246E 1406443N



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By...

29/05/2025

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Request No. LA68-0733

Report No. 6807-0317

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. : 03401-03402
 SAMPLING DATE : 15/07/2025 SAMPLING TIME : 10:00-10:40
 RECEIVED DATE : 16/07/2025 REPORTED DATE : 18/07/2025
 TESTED DATE : 16-17/07/2025
 STACK DESCRIPTION®

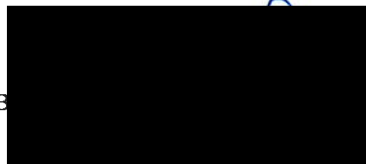
Height	: 60.00 m	Type of Process	: Combustion
Diameter	: 2.70 m	Type of Fuel	: Natural Gas
Temperature	: 445.00 °C	Oxygen Content	: 1.95 %
Air Velocity	: 9.08 m/s	Barometric Pressure	: 757.75 mmHg
Flow rate ²	: 19.51 m ³ /s	Atmospheric Temperature	: 35.00 °C
Moisture Content	: 9.23 %		

PARAMETER	TEST METHOD	TIME	RESULT ²		STD ¹	UNIT
			1.95 % O ₂	7 % O ₂		
Total Suspended Particulate (TSP)	Isokinetic, Gravimetric (U.S. EPA Method 5)	10:00-10:40	3.6 0.070 [@]	2.6 -	320, 113 ³ 2.866 ³	mg/m ³ g/s
Oxides of Nitrogen (NO _x as NO ₂)	Absorption, Phenoldisulfonic Acid (U.S. EPA Method 7)	10:30-10:35	8.2 4.4 0.160 [@]	6.0 3.2 -	376, 28.6 ³ 200, 15.2 ³ 0.725 ³	mg/m ³ ppm g/s

REMARK:

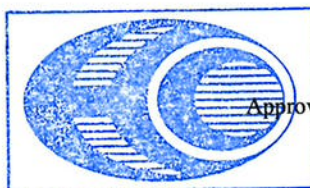
- ¹ Notification of The Ministry of Industry B.E. 2549 (2006)
- ² Standard Condition (Temperature 25°C, Pressure 760 mmHg) and Dry Basis
- ³ ค่ากำหนดตามรายงานการประเมินผลกระทบสิ่งแวดล้อม (EIA)
- [@] These Data Outside The Scope of The Registration of The Department of Industrial Works.
- Sampling By Mr.Teerapong Naulin (จ-003-ค-0014)
- GPS = Sampling at UTM 47P 731246E 1406443N

Examined By



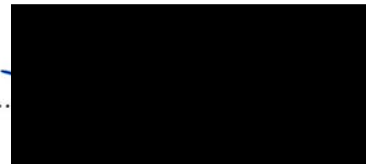
(จ-003-ค-0007)

18/07/2025



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By...



(จ-003-ค-0012)

18/07/2025

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
 THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
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Request No. LA68-0733

Report No. 6807-0319

TEST REPORT

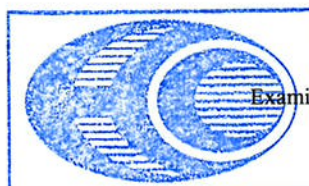
CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
 ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
 SAMPLE SOURCE : GC 19
 SAMPLE POINT : ปล่องของระบบ TO SAMPLE NO. : 03404
 SAMPLING DATE : 15/07/2025 SAMPLING TIME : 10:40-11:10
 RECEIVED DATE : 16/07/2025 REPORTED DATE : 18/07/2025
 TESTED DATE : 16-17/07/2025
 STACK DESCRIPTION

Height	: 60.00 m	Type of Process	: Combustion
Diameter	: 2.70 m	Type of Fuel	: Natural Gas
Temperature	: 445.00 °C	Oxygen Content	: 1.95 %
Air Velocity	: 9.08 m/s	Barometric Pressure	: 757.75 mmHg
Flow rate ²	: 19.51 m ³ /s	Atmospheric Temperature	: 35.00 °C
Moisture Content	: 9.23 %		

PARAMETER	TEST METHOD	TIME	RESULT ²		STD ¹	UNIT
			1.95 % O ₂	7 % O ₂		
Total Volatile Organic Compounds	U.S.EPA Method 25 A	10:40-11:10	4.94	3.62	-, ³	mg/m ³
(TVOCs) ⁴			2.74	2.01	-, ³	ppm
			0.096	-	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.Teerapong Naulin)
Analysed By SECOT Co.,Ltd.
- GPS = Sampling at UTM 47P 731246E 1406443N



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By....

18/07/2025

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Request No. LA68-0733

Report No. 6807-0318

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 : 15/07/2025
 RECEIVED DATE : 16/07/2025
 TESTED DATE : 16-18/07/2025
 STACK DESCRIPTION@

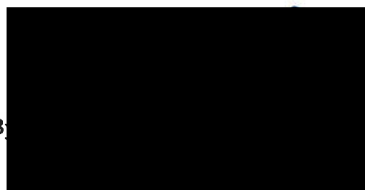
Height :	60.00	m	Type of Process :	Combustion
Diameter :	2.70	m	Type of Fuel :	Natural Gas
Temperature :	445.00	°C	Oxygen Content :	1.95 %
Air Velocity :	9.08	m/s	Barometric Pressure :	757.75 mmHg
Flow rate ² :	19.51	m ³ /s	Atmospheric Temperature :	35.00 °C
Moisture Content :	9.23	%		

PARAMETER	TEST METHOD	TIME	RESULT ²		STD ¹	UNIT
			1.95 % O ₂	7 % O ₂		
Carbon monoxide	Non-Dispersive Infrared	10:40-11:10	0.9	0.7	790	mg/m ³
(CO)	(U.S. EPA Method 10)		0.8	0.6	690	ppm

REMARK:

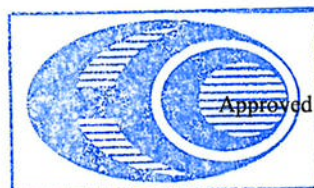
- ¹ Notification of The Ministry of Industry B.E. 2549 (2006)
- ² Standard Condition (Temperature 25°C, Pressure 760 mmHg) and Dry Basis
- [@] These Data Outside The Scope of The Registration of The Department of Industrial Works.
- Sampling By Mr. Teerapong Naulin (จ-003-ค-0014)
- GPS = Sampling at UTM 47P 731246E 1406443N

Examined By



(จ-003-ค-0007)

18/07/2025



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด



(จ-003-ค-0012)

18/07/2025

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Request No. LA68-0520

Report No. 6805-0250

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. : 01849, 01851
 SAMPLING DATE : 10/05/2025 SAMPLING TIME : 10:30-11:15
 RECEIVED DATE : 14/05/2025 REPORTED DATE : 29/05/2025
 TESTED DATE : 14-19/05/2025
 STACK DESCRIPTION@

Height :	60.00	m	Type of Process :	Combustion
Diameter :	3.90	m	Type of Fuel :	Natural Gas
Temperature :	378.00	°C	Oxygen Content :	6.47 %
Air Velocity :	14.00	m/s	Barometric Pressure :	754.00 mmHg
Flow rate ² :	69.08	m ³ /s	Atmospheric Temperature :	35.00 °C
Moisture Content :	8.96	%		

PARAMETER	TEST METHOD	TIME	RESULT ²		STD ¹	UNIT
			6.47 % O ₂	7 % O ₂		
Total Suspended Particulate	Isokinetic, Gravimetric	10:30-11:15	44.8	43.2	35, 28 ³	mg/m ³
(TSP)	(U.S. EPA Method 5)		3.095 [@]	-	0.880 ³	g/s
Oxides of Nitrogen	Absorption, Phenoldisulfonic	10:40-10:45	5.4	5.2	150, 15.7 ³	mg/m ³
(NO _x as NO ₂)	Acid (U.S. EPA Method 7)		2.9	2.8	79.7, 8.3 ³	ppm
			0.373 [@]	-	0.490 ³	g/s

REMARK:

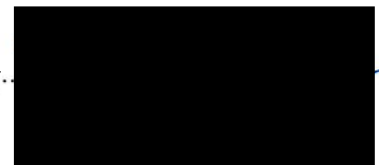
- ¹ Notification of The Ministry of Industry B.E. 2545 (2002)
- ² Standard Condition (Temperature 25°C, Pressure 760 mmHg) and Dry Basis
- ³ ค่ากำหนดตามรายงานการประเมินผลกระทบสิ่งแวดล้อม (EIA)
- [@] These Data Outside The Scope of The Registration of The Department of Industrial Works.
- Sampling By Mr. Metee Sukprasert (ว-003-ค-0035)
- GPS = Sampling at UTM 47P 731287E 1406416N

Examined

(ว-003-ค-0007)
29/05/2025

บริษัท อีสเทิร์นไทยคอนซัลต์ติ้ง 1992 จำกัด

Approved By.

(ว-003-ค-0012)
29/05/2025

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Request No. LA68-0520

Report No. 6805-0251

TEST REPORT

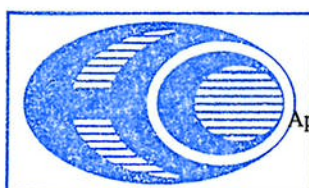
CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
 ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
 SAMPLE SOURCE : GC 19
 SAMPLE POINT : ปล่อง Liquid Incinerator
 SAMPLING DATE : 10/05/2025
 RECEIVED DATE : 14/05/2025
 TESTED DATE : 14-23/05/2025
 STACK DESCRIPTION

Height	: 60.00	m	Type of Process	: Combustion
Diameter	: 3.90	m	Type of Fuel	: Natural Gas
Temperature	: 378.00	°C	Oxygen Content	: 6.47 %
Air Velocity	: 14.00	m/s	Barometric Pressure	: 754.00 mmHg
Flow rate ¹	: 69.08	m ³ /s	Atmospheric Temperature	: 35.00 °C
Moisture Content	: 8.96	%		

PARAMETER	TEST METHOD	TIME	RESULT ¹		UNIT
			6.47 % O ₂	7 % O ₂	
Benzene	Adsorption, Gas Chromatography	10:30-11:00	<1.68	<1.62	mg/m ³
			<0.52	<0.50	ppm
			<0.116	-	g/s

REMARK:

- ¹ Standard Condition (Temperature 25°C, Pressure 760 mmHg) and Dry Basis
- Parameter Outside The Scope of The Registration of The Department of Industrial Works.
- Sampling By Mr. Metee Sukprasert
- GPS = Sampling at UTM 47P 731287E 1406416N



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.

29/05/2025

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Request No. LA68-0520

Report No. 6805-0252

TEST REPORT

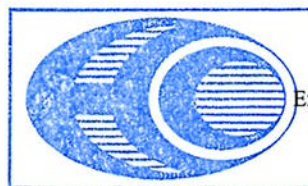
CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
 ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
 SAMPLE SOURCE : GC 19
 SAMPLE POINT : ปล่อง Liquid Incinerator SAMPLE NO. : 01852
 SAMPLING DATE : 10/05/2025 SAMPLING TIME : 10:30-11:00
 RECEIVED DATE : 14/05/2025 REPORTED DATE : 29/05/2025
 TESTED DATE : 14-28/05/2025
 STACK DESCRIPTION

Height :	60.00	m	Type of Process :	Combustion
Diameter :	3.90	m	Type of Fuel :	Natural Gas
Temperature :	378.00	°C	Oxygen Content :	6.47 %
Air Velocity :	14.00	m/s	Barometric Pressure :	754.00 mmHg
Flow rate ² :	69.08	m ³ /s	Atmospheric Temperature :	35.00 °C
Moisture Content :	8.96	%		

PARAMETER	TEST METHOD	TIME	RESULT ²		STD ¹	UNIT
			6.47 % O ₂	7 % O ₂		
Total Volatile Organic Compounds (TVOCs) ⁴	U.S.EPA Method 25 A	10:30-11:00	43.59	41.99	-, ⁻³	mg/m ³
			24.17	23.28	-, ⁻³	ppm
			3.011	-	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. (Metee Sukprasert)
Analysed By SECOT Co.,Ltd.
- GPS = Sampling at UTM 47P 731287E 1406416N



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.

29/05/2025

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
 THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
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Request No. LA68-0520

Report No. 6805-0253

TEST REPORT

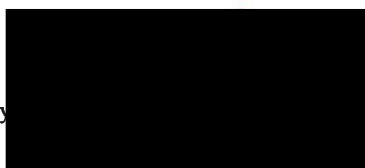
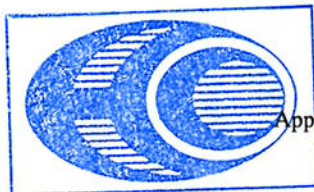
CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
 ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
 SAMPLE SOURCE : GC 19
 SAMPLE POINT : ปล่อง Liquid Incinerator SAMPLE NO. : 01853
 SAMPLING DATE : 10/05/2025 SAMPLING TIME : 10:30-11:00
 RECEIVED DATE : 14/05/2025 REPORTED DATE : 29/05/2025
 TESTED DATE : 14-17/05/2025
 STACK DESCRIPTION@

Height :	60.00	m	Type of Process :	Combustion
Diameter :	3.90	m	Type of Fuel :	Natural Gas
Temperature :	378.00	°C	Oxygen Content :	6.47 %
Air Velocity :	14.00	m/s	Barometric Pressure :	754.00 mmHg
Flow rate ² :	69.08	m ³ /s	Atmospheric Temperature :	35.00 °C
Moisture Content :	8.96	%		

PARAMETER	TEST METHOD	TIME	RESULT ²		STD ¹	UNIT
			6.47 % O ₂	7 % O ₂		
Carbon monoxide	Non-Dispersive Infrared	10:30-11:00	2.3	2.2	115	mg/m ³
(CO)	(U.S. EPA Method 10)		2.0	1.9	100	ppm

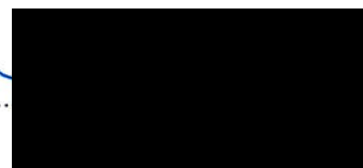
- REMARK:**
- ¹ Notification of The Ministry of Industry B.E. 2545 (2002)
 - ² Standard Condition (Temperature 25°C, Pressure 760 mmHg) and Dry Basis
 - [@] These Data Outside The Scope of The Registration of The Department of Industrial Works.
 - Sampling By Mr. Metee Sukprasert (จ-003-ค-0035)
 - GPS = Sampling at UTM 47P 731287E 1406416N

Examined By

(จ-003-ค-0007)
29/05/2025

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By...

(จ-003-ค-0012)
29/05/2025

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
 THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
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Request No. LA68-0733

Report No. 6807-0313

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. : 03396, 03398
 SAMPLING DATE : 15/07/2025 SAMPLING TIME : 10:20-11:05
 RECEIVED DATE : 16/07/2025 REPORTED DATE : 18/07/2025
 TESTED DATE : 16-17/07/2025
 STACK DESCRIPTION[@]

Height : 60.00 m	Type of Process : Combustion
Diameter : 3.90 m	Type of Fuel : Natural Gas
Temperature : 332.00 °C	Oxygen Content : 10.00 %
Air Velocity : 6.51 m/s	Barometric Pressure : 757.75 mmHg
Flow rate ² : 33.96 m ³ /s	Atmospheric Temperature : 35.00 °C
Moisture Content : 10.98 %	

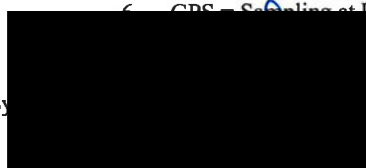
PARAMETER	TEST METHOD	TIME	RESULT ²		STD ¹	UNIT
			10.00% O ₂	7 % O ₂		
Total Suspended Particulate	Isokinetic, Gravimetric	10:20-11:05	0.2	0.3	35, 28 ³	mg/m ³
(TSP)	(U.S. EPA Method 5)		0.007 [@]	-	0.880 ³	g/s
Oxides of Nitrogen	Absorption, Phenoldisulfonic	10:55-11:00	<2.0	<2.6	150, 15.7 ³	mg/m ³
(NO _x as NO ₂)	Acid (U.S. EPA Method 7)		<1.0	<1.3	79.7, 8.3 ³	ppm
			<0.068 [@]	-	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.Teerapong Naulin (จ-003-ค-0014)

GPS : Satellite at UTM 47P 731287E 1406416N

Examined By



(จ-003-ค-0007)

18/07/2025



Approved By



(จ-003-ค-0012)

18/07/2025

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL

WITHOUT THE WRITTEN APPROVAL LABORATORY

Request No. LA68-0733

Report No. 6807-0314

TEST REPORT

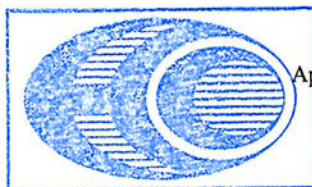
CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
 ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
 SAMPLE SOURCE : GC 19
 SAMPLE POINT : ปล่อง Liquid Incinerator
 SAMPLING DATE : 15/07/2025
 RECEIVED DATE : 16/07/2025
 TESTED DATE : 16-18/07/2025
 STACK DESCRIPTION

Height :	60.00	m	Type of Process :	Combustion
Diameter :	3.90	m	Type of Fuel :	Natural Gas
Temperature :	332.00	°C	Oxygen Content :	10.00 %
Air Velocity :	6.51	m/s	Barometric Pressure :	757.75 mmHg
Flow rate ¹ :	33.96	m ³ /s	Atmospheric Temperature :	35.00 °C
Moisture Content :	10.98	%		

PARAMETER	TEST METHOD	TIME	RESULT ¹		UNIT
			10.00 % O ₂	7 % O ₂	
Benzene	Adsorption, Gas Chromatography	10:30-11:00	<1.68	<2.14	mg/m ³
	(U.S. EPA Method 18)		<0.52	<0.66	ppm
			<0.057	-	g/s

REMARK:

- ¹ Standard Condition (Temperature 25°C, Pressure 760 mmHg) and Dry Basis
- Parameter Outside The Scope of The Registration of The Department of Industrial Works.
- Sampling By Mr.Teerapong Naulin
- GPS = Sampling at UTM 47P 731287E 1406416N



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.

18/07/2025

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

Request No. LA68-0733

Report No. 6807-0315

TEST REPORT

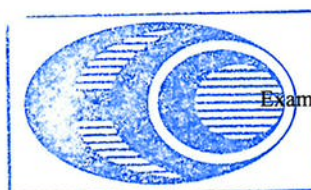
CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
 ADDRESS : 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong 21150
 SAMPLE SOURCE : GC 19
 SAMPLE POINT : ปล่อง Liquid Incinerator SAMPLE NO. : 03399
 SAMPLING DATE : 15/07/2025 SAMPLING TIME : 10:30-11:00
 RECEIVED DATE : 16/07/2025 REPORTED DATE : 18/07/2025
 TESTED DATE : 16-17/07/2025
 STACK DESCRIPTION

Height :	60.00	m	Type of Process :	Combustion
Diameter :	3.90	m	Type of Fuel :	Natural Gas
Temperature :	332.00	°C	Oxygen Content :	10.00 %
Air Velocity :	6.51	m/s	Barometric Pressure :	757.75 mmHg
Flow rate ² :	33.96	m ³ /s	Atmospheric Temperature :	35.00 °C
Moisture Content :	10.98	%		

PARAMETER	TEST METHOD	TIME	RESULT ²		STD ¹	UNIT
			10.00 % O ₂	7 % O ₂		
Total Volatile Organic Compounds	U.S.EPA Method 25 A	10:30-11:00	11.78	15.02	-, ³	mg/m ³
(TVOCs) ⁴			6.53	8.33	-, ³	ppm
			0.400	-	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.Teerapong Naulin)
Analysed By SECOT Co.,Ltd.
- GPS = Sampling at UTM 47P 731287E 1406416N



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.

18/07/2025

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

Request No. LA68-0733

Report No. 6807-0316

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. : 03400
 SAMPLING DATE : 15/07/2025 SAMPLING TIME : 10:30-11:00
 RECEIVED DATE : 16/07/2025 REPORTED DATE : 18/07/2025
 TESTED DATE : 16-18/07/2025
 STACK DESCRIPTION@

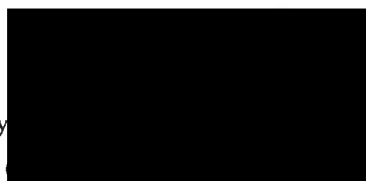
Height :	60.00	m	Type of Process :	Combustion
Diameter :	3.90	m	Type of Fuel :	Natural Gas
Temperature :	332.00	°C	Oxygen Content :	10.00 %
Air Velocity :	6.51	m/s	Barometric Pressure :	757.75 mmHg
Flow rate ² :	33.96	m ³ /s	Atmospheric Temperature :	35.00 °C
Moisture Content :	10.98	%		

PARAMETER	TEST METHOD	TIME	RESULT ²		STD ¹	UNIT
			10.00 % O ₂	7 % O ₂		
Carbon monoxide	Non-Dispersive Infrared	10:30-11:00	54.2	69.1	150	mg/m ³
(CO)	(U.S. EPA Method 10)		47.3	60.3	100	ppm

REMARK:

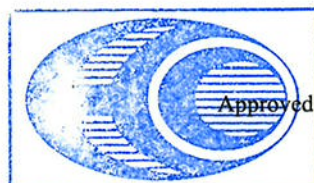
- ¹ Notification of The Ministry of Industry B.E. 2545 (2002)
- ² Standard Condition (Temperature 25°C, Pressure 760 mmHg) and Dry Basis
- [@] These Data Outside The Scope of The Registration of The Department of Industrial Works.
- Sampling By Mr.Teerapong Naulin (จ-003-ค-0014)
- GPS = Sampling at UTM 47P 731287E 1406416N

Examined By



(จ-003-ค-0007)

18/07/2025



Approved By.

บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

(จ-003-ค-0012)

18/07/2025

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

Test Report

Request No : W6801548

Report No : 6802-0412

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 68011642
Sample Name : Final Check Basin** Sampling Date : 29/01/2025**
Sampling By : ETC** Sampling Time : 11:00 AM**
Sampling Method : Grab** Received Date : 30/01/2025
Tested Date : 30/01/2025 - 04/02/2025 Reported Date : 08/02/2025

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	31.1	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	174	≤750
Oil and Grease *	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.2	5.5 - 9
Phenol *	mg/L	Distillation, Direct Photometric Method (SM:5530B,D)	0.045	≤1
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	26	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	832	≤3000

Physical Apperance : 1. Sample : yellow, lightly SS

2. Container : Normal [PE 0.5 L(2 Bottle) , PE 1.8 L , PE 2.0 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 / Mr. Kawee Suthasub is Technical Management.

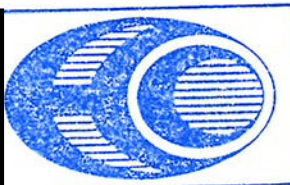
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang (จ-003-ค-0031)*

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

Examined

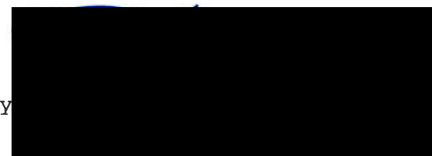


(จ-003-ค-0007)
08/02/2025



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By



(จ-003-ค-0004)
08/02/2025

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 : 30/01/2025 - 04/02/2025

Request No : W6801548
Report No : 6802-0412
Sample No : W 68011642
Sampling Date : 29/01/2025**
Sampling Time : 11:00 AM**
Received Date : 30/01/2025
Reported Date : 08/02/2025

Parameter	Unit	Method	Result	Standard ¹
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	10	≤200

Physical Apperance : 1. Sample : yellow, lightly SS

2. Container : Normal [PE 0.5 L(2 Bottle) , PE 1.8 L , PE 2.0 L, G 1.0 L]

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

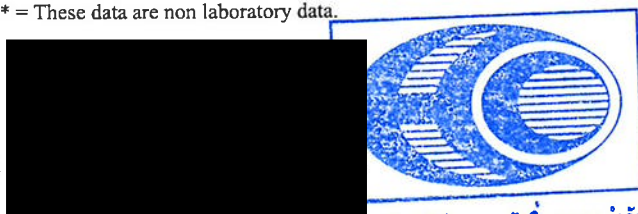
2. # = ISO/IEC 17025:2017 Accredited by DSS, SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

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

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

Examined

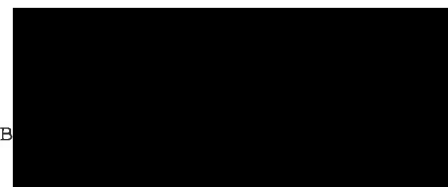


(จ-003-ท-0007)

08/02/2025

บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By



(จ-003-ท-0004)

08/02/2025

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Test Report

Request No : W6802539

Report No : 6803-0082

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 68021529
Sample Name : Final Check Basin** Sampling Date : 24/02/2025**
Sampling By : ETC** Sampling Time : 10:20 AM**
Sampling Method : Grab** Received Date : 25/02/2025
Tested Date : 25/02/2025 - 01/03/2025 Reported Date : 04/03/2025

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	7.4	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	57	≤750
Oil and Grease *	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.2	5.5 - 9
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)	676	≤3000

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. Songpon Phiwan (จ-003-ท-0016)*

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

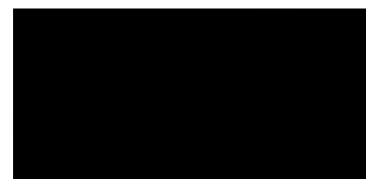
Examined By



(จ-003-ท-0007)
04/03/2025



Approved



(จ-003-ท-0005)
04/03/2025

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

Request No : W6802539
Report No : 6803-0082

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 68021529
Sample Name : Final Check Basin** Sampling Date : 24/02/2025**
Sampling By : ETC** Sampling Time : 10:20 AM**
Sampling Method : Grab** Received Date : 25/02/2025
Tested Date : 25/02/2025 - 01/03/2025 Reported Date : 04/03/2025

Parameter	Unit	Method	Result	Standard ¹
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	9	≤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.

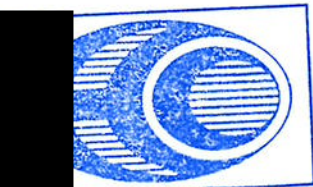
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (จ-003-ค-0016)*

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

Examined By

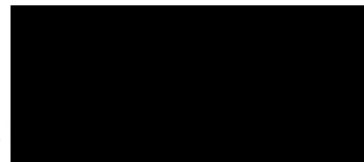


(จ-003-ค-0007)
04/03/2025



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved



(Miss Nunnaphat Bakhuntod)
(จ-003-ค-0005)
04/03/2025

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

Test Report

Request No : W6805022

Report No : 6805-0507

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 68050055
Sample Name : Final Check Basin** Sampling Date : 30/04/2025**
Sampling By : ETC** Sampling Time : 10:20 AM**
Sampling Method : Grab** Received Date : 02/05/2025
Tested Date : 02/05/2025 - 08/05/2025 Reported Date : 13/05/2025

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	2.8	≤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	7.3	5.5 - 9
Phenol *	mg/L	Distillation, Direct Photometric Method (SM:5530B, D)	0.032	≤1
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	31	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	190	≤3000

Physical Apperance : 1. Sample : 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 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-ค-0017)*

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

Examined By

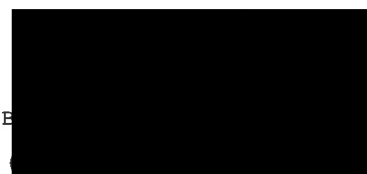


(จ-003-ค-0007)
13/05/2025



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(จ-003-ค-0005)
13/05/2025

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Test Report

Request No : W6805022

Report No : 6805-0507

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 : 02/05/2025 - 08/05/2025

Sample No : W 68050055
Sampling Date : 30/04/2025**
Sampling Time : 10:20 AM**
Received Date : 02/05/2025
Reported Date : 13/05/2025

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 : 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 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.

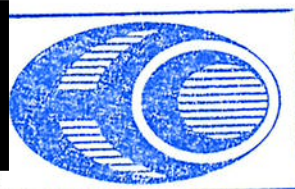
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ก-0017)*

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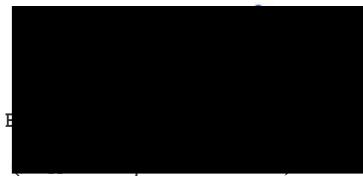


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13/05/2025



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13/05/2025

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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 : 13/05/2025 - 23/05/2025

Request No : W6805298
Report No : 6805-1561
Sample No : W 68051065
Sampling Date : 12/05/2025**
Sampling Time : 9:55 AM**
Received Date : 13/05/2025
Reported Date : 26/05/2025

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	7.0	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	48	≤750
Oil and Grease *	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.6	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)	372	≤3000

Physical Apperance : 1. Sample : 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 DSS, SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

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26/05/2025



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26/05/2025

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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 : 13/05/2025 - 23/05/2025

Request No : W6805298
Report No : 6805-1561
Sample No : W 68051065
Sampling Date : 12/05/2025**
Sampling Time : 9:55 AM**
Received Date : 13/05/2025
Reported Date : 26/05/2025

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 : 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

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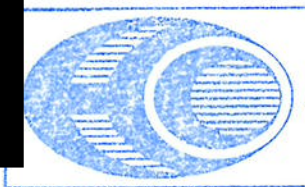
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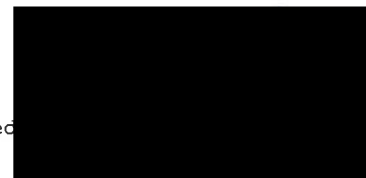
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Test Report

Request No : W6806055

Report No : 6806-0780

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 68060156
Sample Name : Final Check Basin** Sampling Date : 04/06/2025**
Sampling By : ETC** Sampling Time : 10:40 AM**
Sampling Method : Grab** Received Date : 05/06/2025
Tested Date : 05/06/2025 - 13/06/2025 Reported Date : 14/06/2025

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	7.5	5.5 - 9
Phenol *	mg/L	Distillation, Direct Photometric Method (SM:5530B,D)	0.046	≤1
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	33	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	324	≤3000

Physical Apperance : 1. Sample : yellowish, 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 DSS, SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

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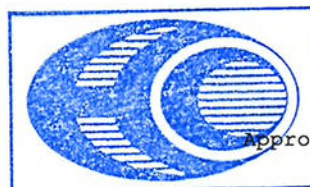
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang (จ-003-ก-0031)*

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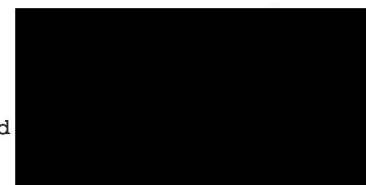


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14/06/2025



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14/06/2025

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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 : 05/06/2025 - 13/06/2025

Request No : W6806055
Report No : 6806-0780
Sample No : W 68060156
Sampling Date : 04/06/2025**
Sampling Time : 10:40 AM**
Received Date : 05/06/2025
Reported Date : 14/06/2025

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 : yellowish, 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

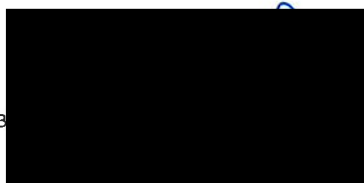
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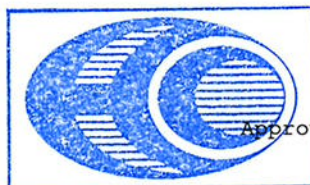
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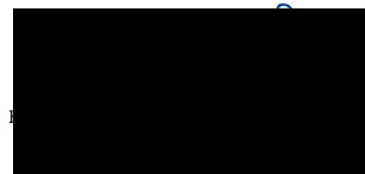


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14/06/2025



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14/06/2025

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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 : W6801548

Report No : 6802-0414

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 68011644
Sample Name : Cooling Water Blowdown** Sampling Date : 29/01/2025**
Sampling By : ETC** Sampling Time : 10:45 AM**
Sampling Method : Grab** Received Date : 30/01/2025
Tested Date : 30/01/2025 - 04/02/2025 Reported Date : 08/02/2025

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	6.0	≤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	7.1	5.5 - 9
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	29	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	840	≤3000
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	8	≤200

Physical Apperance : 1. Sample : yellow, lightly SS

2. Container : Normal [PE 0.5 L , PE 1.8 L, PE 2.0 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 / Mr. Kawee Suthasub is Technical Management.

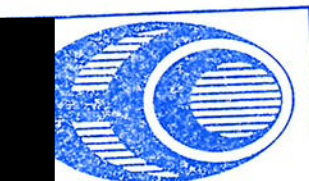
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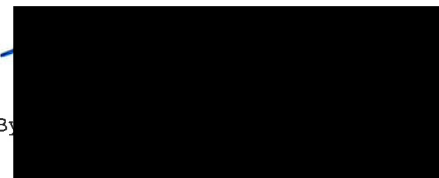


(จ-003-ค-0007)
08/02/2025



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08/02/2025

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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 : Cooling Water Blowdown**
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 25/02/2025 - 01/03/2025

Request No : W6802539
Report No : 6803-0084
Sample No : W 68021531
Sampling Date : 24/02/2025**
Sampling Time : 9:50 AM**
Received Date : 25/02/2025
Reported Date : 04/03/2025

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	2.6	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	57	≤750
Oil and Grease *	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.6	5.5 - 9
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	29	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	864	≤3000
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	7	≤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

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04/03/2025



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04/03/2025

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Test Report

Request No : W6805022

Report No : 6805- 0508

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 68050056
Sample Name : Cooling Water Blowdown** Sampling Date : 30/04/2025**
Sampling By : ETC** Sampling Time : 10:15 AM**
Sampling Method : Grab** Received Date : 02/05/2025
Tested Date : 02/05/2025 - 08/05/2025 Reported Date : 13/05/2025

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)	51	≤750
Oil and Grease *	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.4	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)	560	≤3000
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	< 5	≤200

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

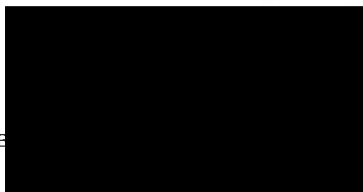
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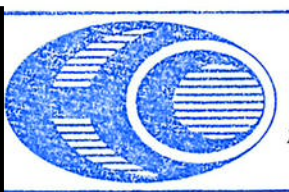
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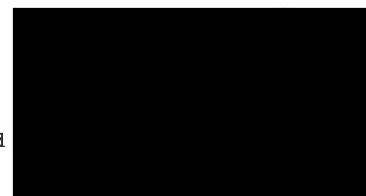


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13/05/2025



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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 : Cooling Water Blowdown**
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 13/05/2025 - 23/05/2025

Request No : W6805298

Report No : 6805-1562

Sample No : W 68051066
Sampling Date : 12/05/2025**
Sampling Time : 9:40 AM**
Received Date : 13/05/2025
Reported Date : 26/05/2025

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)	58	≤750
Oil and Grease *	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.6	5.5 - 9
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	31	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	844	≤3000
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	9	≤200

Physical Appearance : 1. Sample : 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. /I 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.

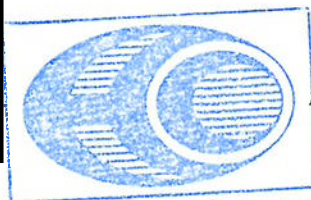
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Examined

(จ-003-ค-0007)
26/05/2025



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(จ-003-ค-0005)
26/05/2025

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Test Report

Request No : W6806055

Report No : 6806-0781

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 : 05/06/2025 - 11/06/2025

Sample No : W 68060157
Sampling Date : 04/06/2025**
Sampling Time : 10:30 AM**
Received Date : 05/06/2025
Reported Date : 14/06/2025

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	5.2	≤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	7.4	5.5 - 9
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	34	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	328	≤3000
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	51	≤200

Physical Apperance : 1. Sample : yellowish, 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 DSS, SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

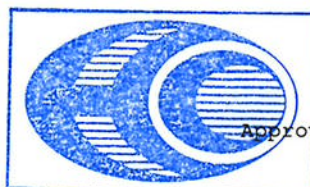
3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

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

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

Examined

(จ-003-ค-0007)
14/06/2025



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved

(จ-003-ค-0005)
14/06/2025

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**
Sampling Source : GC 19** Sample No. : W 68011643
Sample Name : Salt Solution Package** Sampling Date : 29/01/2025**
Sampling By : ETC** Sampling Time : 10:55 AM**
Sampling Method : Grab** Received Date : 30/01/2025
Tested Date : 30/01/2025 – 07/02/2025 Reported Date : 08/02/2025

Parameter	Unit	Method	Result	Standard ^{1/,2}
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	8.1	≤ 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	8.0	5.5-9.0
Phenol *	mg/L	Distillation, Direct Photometric Method (SM:5530B,D)	< 0.005	≤ 1
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	30	≤ 40
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	948	42,520***
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	21	≤ 50

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

Remark : 1./1 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 / Mr. Kawee Suthasub is Technical Management.
5. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang (ว-003-ค-0031)*
6. *** ของแข็งละลายน้ำทั้งหมด (Total Dissolved Solids) กรณีระบายลงแหล่งน้ำที่มีค่าของแข็งละลายน้ำทั้งหมดเกินกว่า 3,000 มิลลิกรัมต่อลิตร ค่าของแข็งละลายน้ำทั้งหมดในน้ำทิ้งที่จะระบายได้ต้องมีค่าเกินกว่าค่าของแข็งละลายน้ำทั้งหมดที่มีอยู่ในแหล่งน้ำนั้นไม่เกิน 5,000 มิลลิกรัมต่อลิตร (คลองบางเบิด บริเวณระยะห่างจากจุดระบายน้ำทิ้งของนิคม

Examined By

(ว-003-ค-0007)
08/02/2025



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By

(ว-003-ค-0004)
08/02/2025

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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

Request No : W6802539

Report No : 6803-0083

TEST REPORT

Customer	: PTT Global Chemical Public Company Limited Branch 19**	Sample No.	: W 68021530
Address	: 12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150**	Sampling Date	: 24/02/2025**
Sampling Source	: GC 19**	Sampling Time	: 10:00 AM**
Sample Name	: Salt Solution Package**	Received Date	: 25/02/2025
Sampling By	: ETC**	Reported Date	: 04/03/2023
Sampling Method	: Grab**		
Tested Date	: 25/02/2025 – 01/03/2025		

Parameter	Unit	Method	Result	Standard ^{1/,2}
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	7.1	≤ 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	8.0	5.5-9.0
Phenol *	mg/L	Distillation, Direct Photometric Method (SM:5530B,D)	< 0.005	≤ 1
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	30	≤ 40
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	3,770	34,060***
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	29	≤ 50

Physical Appearance : 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 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. Songpon Phiwan (ว-003-ค-0016)*
 6. *** ของแข็งละลายน้ำทั้งหมด (Total Dissolved Solids) กรณีระบายลงแหล่งน้ำที่มีค่าของแข็งละลายน้ำทั้งหมดเกินกว่า 3,000 มิลลิกรัมต่อลิตร ค่าของแข็งละลายน้ำทั้งหมดในน้ำทิ้งที่จะระบายได้ต้องมีค่าเกินกว่าค่าของแข็งละลายน้ำทั้งหมดที่มีอยู่ในแหล่งน้ำนั้นไม่เกิน 5,000 มิลลิกรัมต่อลิตร (คลองบางเบิด บริเวณระยะห่างจากจุดระบายน้ำทิ้งของนิคม

Examined By

(ว-003-ค-0007)

04/03/2025



Approved

(ว-003-ค-0005)

04/03/2025

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Test Report

Request No : W6806646

Report No : 6807-0599

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 68061968

Sample Name : ทิศเหนือของพื้นที่โครงการ (MW02) (น้ำใต้ดิน)

Sampling Date : 27/06/2025

Sampling By : ETC

Sampling Time : 10:35 AM

Sampling Method : Grab

Received Date : 28/06/2025

Tested Date : 30/06/2025 - 15/07/2025

Reported Date : 11/07/2025

Parameter	Unit	Method	Result	Standard ¹
pH (on site)		Electrometric Method	6.8	6.5 - 9.2***

Physical Apperance : 1. Sample : yellowish, turbid

2. Container : Normal [PE 0.5 L , G 1.0 L , G 0.25 L]

Remark : 1. /I Soil and Groundwater Contamination Standard, Notification of the Ministry of Industry . B.E.2559 (2016)

2. ***ค่า pH จากจุดเก็บตัวอย่างบ่อท้ายน้ำกับจุดเก็บตัวอย่างบ่อน้ำที่เปลี่ยนแปลงจะต้องไม่เกินหนึ่งระดับ และ
ไม่อยู่นอกช่วงค่าเกณฑ์อนุโลมสูงสุดของมาตรฐาน คุณภาพน้ำบาดาลที่ใช้บริโภค

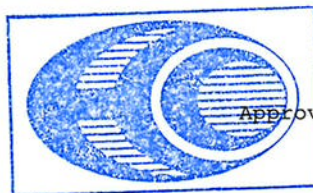
3. GPS = Sampling at 47 P 731228 E 1406508 N

4. Sampling By Mr. Parkpoom Buasawad (ว-003-ค-0017)

Examined By

(ว-003-ค-0007)

11/07/2025



Approved

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

(ว-003-ค-0005)

11/07/2025

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Test Report

Request No : W6806646

Report No : 6807- 0599

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 68061968

Sample Name : ทิศเหนือของพื้นที่โครงการ (MW02) (น้ำใต้ดิน)

Sampling Date : 27/06/2025

Sampling By : ETC

Sampling Time : 10:35 AM

Sampling Method : Grab

Received Date : 28/06/2025

Tested Date : 30/06/2025 - 15/07/2025

Reported Date : 11/07/2025

Parameter	Unit	Method	Result	Standard/ ¹
Temperature	°C	Laboratory and Field Method (SM:2550 B)	30	-

Physical Apperance : 1. Sample : yellowish, turbid

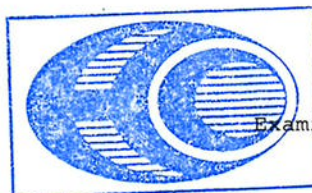
2. Container : Normal [PE 0.5 L , G 1.0 L , G 0.25 L]

Remark : 1. /1 Soil and Groundwater Contamination Standard, Notification of the Ministry of Industry . B.E.2559 (2016)

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

3. GPS = Sampling at 47 P 731228 E 1406508 N

4. Sampling By Mr. Parkpoom Buasawad



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11/07/2025

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Request No. W6806646

Report No. 6807-0599

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
Sampling Source : GC 19 Sample No. : W 68061968
Sample Name : ทิศเหนือของพื้นที่โครงการ (MW02) (น้ำใต้ดิน) Sampling Date : 27/06/2025
Sampling By : ETC Sampling Time : 10:35 AM
Sampling Method : Grab Received Date : 28/06/2025
Tested Date : 30/06/2025 – 01/07/2025 Reported Date : 11/07/2025

Parameter	Unit	Method	Result	Standard ¹
Volatile Organic Compounds				
Ethylbenzene	mg/L	Purge-and-Trap Capillary-Column/GC-MS (SM:6200B)	<0.00050	≤ 2.0
Acetone	mg/L	Purge-and-Trap Capillary-Column/GC-MS (SM:6200B)	0.12391	≤ 230

Physical Apperance :

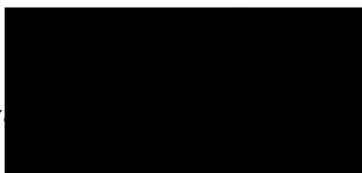
1. Sample : yellowish turbid

2. Container : Normal [PE 0.5 L, G 1.0 L, G 0.25 L]

Remark :

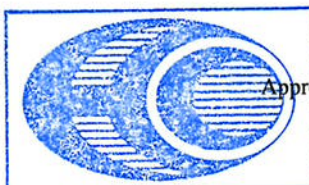
1. /1 Soil and Groundwater Contamination Standard, Notification of the Ministry of Industry , B.E. 2559 (2016)
2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023
3. Sampling By Mr. Parkpoom Buasawad (จ-003-ก-0017)
4. GPS = Sampling at 47 P 731228 E 1406508 N

Examined By



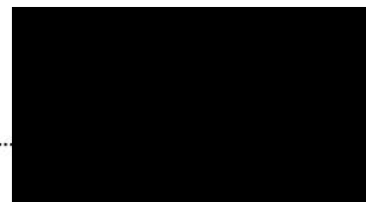
(จ-003-ก-0007)

11/07/2025



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By ...



(จ-003-ก-0005)

11/07/2025

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Request No. W6806646

Report No. 6807-0599

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
Sampling Source : GC 19 Sample No. : W 68061968
Sample Name : ทิศเหนือของพื้นที่โครงการ (MW02) (น้ำใต้ดิน) Sampling Date : 27/06/2025
Sampling By : SECOT Co.,Ltd. Sampling Time : 10:35 AM
Sampling Method : Grab Received Date : 28/06/2025
Tested Date : 30/06/2025 – 15/07/2025 Reported Date : 18/07/2025

Parameter ***	Unit	Method	Result	Standard ¹
Total Petroleum Hydrocarbons				
- TPH (C ₅ -C ₈)	mg/L	5030 C /8260 D	ND	≤ 1.4
- Pentane				
- Benzene				
- Toluene				
- m,p-Xylene				
- o-Xylene				
- Ethylbenzene				
- TPH (C ₉ -C ₁₆)	mg/L	3510 C/8015 D	0.035	≤ 1.7
- n-Nonane				
- n-Decane				
- n-Dodecane				
- n-Tetradecane				
- n-Hexadecane				

Physical Apperance : 1. Sample : yellowish turbid

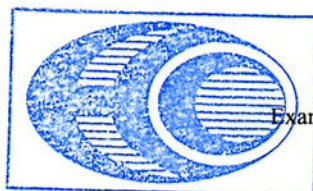
2. Container : Normal [PE 0.5 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Soil and Groundwater Contamination Standard, Notification of the Ministry of Industry , B.E. 2559 (2016)

2. *** Tested by SECOT Co.,Ltd.

3. ND = non-detectable [TPH (C₅-C₈) = < 0.003 mg/L, TPH (C₉-C₃₅) = < 0.050 mg/L]

4. GPS = Sampling at 47 P 731228 E 1406508 N



Examined By

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

18/07/2025

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Request No. W6806646

Report No. 6807-0599

TEST REPORT

Customer	:	PTT Global Chemical Public Company Limited Branch 19	Sample No.	:	W 68061968
Address	:	12 Soi G-4, Pakorn Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150	Sampling Date	:	27/06/2025
Sampling Source	:	GC 19	Sampling Time	:	10:35 AM
Sample Name	:	ทิศเหนือของพื้นที่โครงการ (MW02) (น้ำใต้ดิน)	Received Date	:	28/06/2025
Sampling By	:	SECOT Co.,Ltd.	Reported Date	:	18/07/2025
Sampling Method	:	Grab			
Tested Date	:	30/06/2025 – 15/07/2025			

Parameter ***	Unit	Method	Result	Standard ¹
Total Petroleum Hydrocarbons				
- TPH (C _{>16} -C ₃₅)	mg/L	3510 C/8015 D	ND	≤ 0.1
- n-Octadecane				
- n-Eicosane				
- n-Docosane				
- n-Tetracosane				
- n-Hexacosane				
- n-Octacosane				
- n-Triacontane				
- n-Dotriacontane				
- n-Tetratriacontane				
- Pentatriacontane				

Physical Apperance : 1. Sample : yellowish turbid

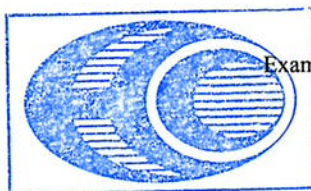
2. Container : Normal [PE 0.5 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Soil and Groundwater Contamination Standard, Notification of the Ministry of Industry , B.E. 2559 (2016)

2. *** Tested by SECOT Co.,Ltd.

3. ND = non-detectable [TPH (C₅-C₈) = < 0.003 mg/L, TPH (C_{>16}-C₃₅) = < 0.050 mg/L]

4. GPS = Sampling at 47 P 731228 E 1406508 N



Examined By

18/07/2025

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

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Test Report

Request No : W6806646

Report No : 6807-0601

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 68061970

Sample Name : ทิศตะวันตกเฉียงใต้ของพื้นที่โครงการ (MW01) (น้ำใต้ดิน) Sampling Date : 27/06/2025

Sampling By : ETC

Sampling Time : 10:10 AM

Sampling Method : Grab

Received Date : 28/06/2025

Tested Date : 30/06/2025 - 15/07/2025

Reported Date : 11/07/2025

Parameter	Unit	Method	Result	Standard ¹
pH (on site)		Electrometric Method	6.5	6.5 - 9.2***

Physical Apperance : 1. Sample : yellow, turbid

2. Container : Normal [PE 0.5 L , G 1.0 L , G 0.25 L]

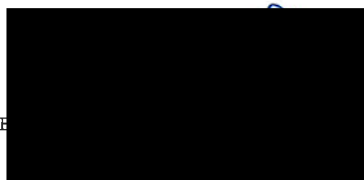
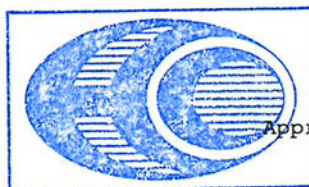
Remark : 1. /1 Soil and Groundwater Contamination Standard, Notification of the Ministry of Industry . B.E.2559 (2016)

2. ***ค่า pH จากจุดเก็บตัวอย่างบ่อบำบัดน้ำกับจุดเก็บตัวอย่างบ่อน้ำที่เปลี่ยนแปลงจะต้องไม่เกินหนึ่งระดับ และ
ไม่อยู่นอกช่วงค่าเกณฑ์อนุโลมสูงสุดของมาตรฐาน คุณภาพน้ำบาดาลที่ใช้บริโภค

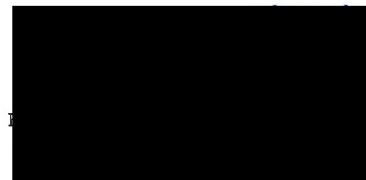
3. GPS = Sampling at 47 P 730877 E 1406047 N

4. Sampling By Mr. Parkpoom Buasawad (ว-003-ก-0017)

Examined By

(ว-003-ก-0007)
11/07/2025

Approved By

(ว-003-ก-0005)
11/07/2025

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Test Report

Request No : W6806646

Report No : 6807- 0601

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 68061970

Sample Name : ทิศตะวันตกเฉียงใต้ของพื้นที่โครงการ (MW01) (น้ำใต้ดิน) Sampling Date : 27/06/2025

Sampling By : ETC

Sampling Time : 10:10 AM

Sampling Method : Grab

Received Date : 28/06/2025

Tested Date : 30/06/2025 - 15/07/2025

Reported Date : 11/07/2025

Parameter	Unit	Method	Result	Standard ¹
Temperature	°C	Laboratory and Field Method (SM:2550 B)	31	-

Physical Apperance : 1. Sample : yellow, turbid

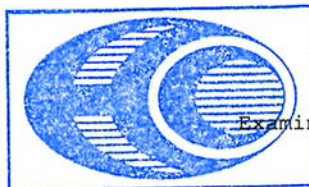
2. Container : Normal [PE 0.5 L , G 1.0 L , G 0.25 L]

Remark : 1. /1 Soil and Groundwater Contamination Standard, Notification of the Ministry of Industry . B.E.2559 (2016)

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

3. GPS = Sampling at 47 P 730877 E 1406047 N

4. Sampling By Mr. Parkpoom Buasawad



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By

11/07/2025

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

Request No. W6806646

Report No. 6807-0601

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
Sampling Source : GC 19 Sample No. : W 68061970
Sample Name : ทิศตะวันตกเฉียงใต้ของพื้นที่โครงการ (MW01) (น้ำใต้ดิน) Sampling Date : 27/06/2025
Sampling By : ETC Sampling Time : 10:10 AM
Sampling Method : Grab Received Date : 28/06/2025
Tested Date : 30/06/2025 – 01/07/2025 Reported Date : 11/07/2025

Parameter	Unit	Method	Result	Standard ¹
Volatile Organic Compounds				
Ethylbenzene	mg/L	Purge-and-Trap Capillary-Column/GC-MS (SM:6200B)	<0.00050	≤ 2.0
Acetone	mg/L	Purge-and-Trap Capillary-Column/GC-MS (SM:6200B)	0.16524	≤ 230

Physical Appearance :

1. Sample : yellow turbid
2. Container : Normal [PE 0.5 L, G 1.0 L, G 0.25 L]

Remark :

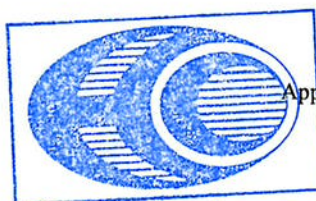
1. /1 Soil and Groundwater Contamination Standard, Notification of the Ministry of Industry , B.E. 2559 (2016)
2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023
3. Sampling By Mr. Parkpoom Buasawad (ว-003-ก-0017)
4. GPS = Sampling at 47 P 730877 E 1406047 N

Examined By



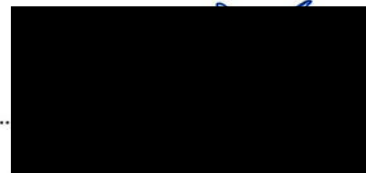
(ว-003-ก-0007)

11/07/2025



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By



(ว-003-ก-0005)

11/07/2025

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY
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Request No. W6806646

Report No. 6807-0601

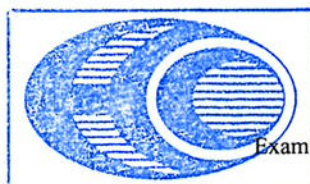
TEST REPORT

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
Sampling Source : GC 19 Sample No. : W 68061970
Sample Name : ทิศตะวันตกเฉียงใต้ของพื้นที่โครงการ (MW01) (น้ำใต้ดิน) Sampling Date : 27/06/2025
Sampling By : SECOT Co.,Ltd. Sampling Time : 10:10 AM
Sampling Method : Grab Received Date : 28/06/2025
Tested Date : 30/06/2025 – 15/07/2025 Reported Date : 18/07/2025

Parameter ***	Unit	Method	Result	Standard ¹
Total Petroleum Hydrocarbons				
- TPH (C ₅ -C ₈)	mg/L	5030 C /8260 D	ND	≤ 1.4
- Pentane				
- Benzene				
- Toluene				
- m,p-Xylene				
- o-Xylene				
- Ethylbenzene				
- TPH (C ₈ -C ₁₆)	mg/L	3510 C/8015 D	ND	≤ 1.7
- n-Nonane				
- n-Decane				
- n-Dodecane				
- n-Tetradecane				
- n-Hexadecane				

Physical Apperance : 1. Sample : yellow, turbid
2. Container : Normal [PE 2.0 L, G 1.0 L]

Remark : 1. /1 Soil and Groundwater Contamination Standard, Notification of the Ministry of Industry , B.E. 2559 (2016)
2. *** Tested by SECOT Co.,Ltd.
3. ND = non-detectable [TPH (C₅-C₈) = < 0.003 mg/L, TPH (C₈-C₁₆) = < 0.025 mg/L,
TPH (C₁₆-C₃₅) = < 0.050 mg/L]
4. GPS = Sampling at 47 P 730877 E 1406047 N



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By

18/07/2025

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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WITHOUT THE WRITTEN APPROVAL LABORATORY

Request No. W6806646

Report No. 6807-0601

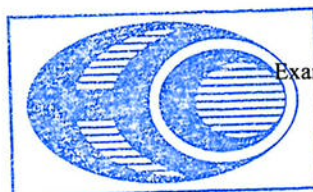
TEST REPORT

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
Sampling Source : GC 19 Sample No. : W 68061970
Sample Name : ทิศตะวันตกเฉียงใต้ของพื้นที่โครงการ (MW01) (น้ำใต้ดิน) Sampling Date : 27/06/2025
Sampling By : SECOT Co.,Ltd. Sampling Time : 10:10 AM
Sampling Method : Grab Received Date : 28/06/2025
Tested Date : 30/06/2025 – 15/07/2025 Reported Date : 18/07/2025

Parameter ***	Unit	Method	Result	Standard ¹
Total Petroleum Hydrocarbons				
- TPH (C _{>16} -C ₃₅)	mg/L	3510 C/8015 D	ND	≤ 0.1
- n-Octadecane				
- n-Eicosane				
- n-Docosane				
- n-Tetracosane				
- n-Hexacosane				
- n-Octacosane				
- n-Triacontane				
- n-Dotriacontane				
- n-Tetratriacontane				
- Pentatriacontane				

Physical Apperance : 1. Sample : yellow, turbid
2. Container : Normal [PE 2.0 L, G 1.0 L]

Remark : 1. /1 Soil and Groundwater Contamination Standard, Notification of the Ministry of Industry , B.E. 2559 (2016)
2. *** Tested by SECOT Co.,Ltd.
3. ND = non-detectable [TPH (C₅-C₈) = < 0.003 mg/L, TPH (C_{>8}-C₁₆) = < 0.025 mg/L,
TPH (C_{>16}-C₃₅) = < 0.050 mg/L]
4. GPS = Sampling at 47 P 730877 E 1406047 N



Examined By ..

18/07/2025

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

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Test Report

Request No : W6806646

Report No : 6807-0600

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 68061969

Sample Name : ทิศตะวันออกของพื้นที่โครงการ (MW03) (น้ำใต้ดิน) Sampling Date : 27/06/2025

Sampling By : ETC

Sampling Time : 9:50 AM

Sampling Method : Grab

Received Date : 28/06/2025

Tested Date : 30/06/2025 - 15/07/2025

Reported Date : 11/07/2025

Parameter	Unit	Method	Result	Standard/ ¹
pH (on site)		Electrometric Method	6.5	6.5 - 9.2***

Physical Apperance : 1. Sample : yellowish, turbid

2. Container : Normal [PE 0.5 L , G 1.0 L , G 0.25 L]

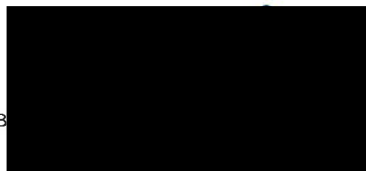
Remark : 1. /1 Soil and Groundwater Contamination Standard, Notification of the Ministry of Industry . B.E.2559 (2016)

2. ***ค่า pH จากจุดเก็บตัวอย่างบ่อน้ำที่จุดเก็บตัวอย่างบ่อน้ำที่เปลี่ยนแปลงจะต้องไม่เกินหนึ่งระดับ และ
ไม่อยู่นอกช่วงค่าเกณฑ์อนุโลมสูงสุดของมาตรฐาน คุณภาพน้ำบาดาลที่ใช้บริโภค

3. GPS = Sampling at 47 P 731433 E 1406036 N

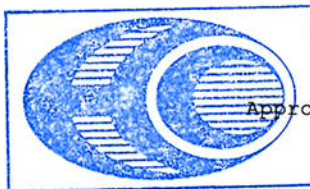
4. Sampling By Mr. Parkpoom Buasawad (ว-003-ค-0017)

Examined By



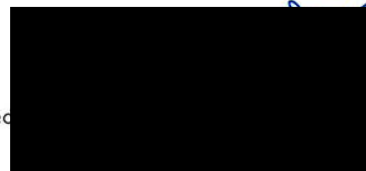
(ว-003-ค-0007)

11/07/2025



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved



(ว-003-ค-0005)

11/07/2025

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6806646

Report No : 6807- 0600

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 68061969

Sample Name : ทิศตะวันออกของพื้นที่โครงการ (MW03) (น้ำใต้ดิน)

Sampling Date : 27/06/2025

Sampling By : ETC

Sampling Time : 9:50 AM

Sampling Method : Grab

Received Date : 28/06/2025

Tested Date : 30/06/2025 - 15/07/2025

Reported Date : 11/07/2025

Parameter	Unit	Method	Result	Standard ¹
Temperature	°C	Laboratory and Field Method (SM:2550 B)	33	-

Physical Apperance : 1. Sample : yellowish, turbid

2. Container : Normal [PE 0.5 L , G 1.0 L , G 0.25 L]

Remark : 1. /I Soil and Groundwater Contamination Standard, Notification of the Ministry of Industry . B.E.2559 (2016)

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

3. GPS = Sampling at 47 P 731433 E 1406036 N

4. Sampling By Mr. Parkpoom Buasawad



11/07/2025

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WITHOUT THE WRITTEN APPROVAL LABORATORY

Request No. W6806646

Report No. 6807-0600

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
Sampling Source : GC 19 Sample No. : W 68061969
Sample Name : ทิศตะวันออกของพื้นที่โครงการ (MW03) (น้ำใต้ดิน) Sampling Date : 27/06/2025
Sampling By : ETC Sampling Time : 9:50 AM
Sampling Method : Grab Received Date : 28/06/2025
Tested Date : 30/06/2025 – 01/07/2025 Reported Date : 11/07/2025

Parameter	Unit	Method	Result	Standard ¹
Volatile Organic Compounds				
Ethylbenzene	mg/L	Purge-and-Trap Capillary-Column/GC-MS (SM:6200B)	<0.00050	≤ 2.0
Acetone	mg/L	Purge-and-Trap Capillary-Column/GC-MS (SM:6200B)	0.14888	≤ 230

Physical Appearance :

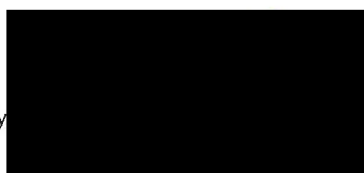
1. Sample : yellowish turbid

2. Container : Normal [PE 0.5 L, G 1.0 L, G 0.25 L]

Remark :

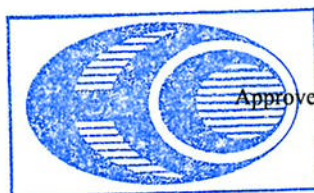
1. /1 Soil and Groundwater Contamination Standard, Notification of the Ministry of Industry , B.E. 2559 (2016)
2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023
3. Sampling By Mr. Parkpoom Buasawad (จ-003-ค-0017)
4. GPS = Sampling at 47 P 731433 E 1406036 N

Examined By

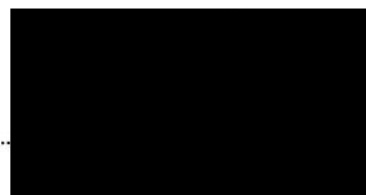


(จ-003-ค-0007)

11/07/2025



Approved By ...



(จ-003-ค-0005)

11/07/2025

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY
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Request No. W6806646

Report No. 6807-0600

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
Sampling Source : GC 19 Sample No. : W 68061969
Sample Name : ทิศตะวันออกของพื้นที่โครงการ (MW03) (น้ำใต้ดิน) Sampling Date : 27/06/2025
Sampling By : SECOT Co.,Ltd. Sampling Time : 9:50 AM
Sampling Method : Grab Received Date : 28/06/2025
Tested Date : 30/06/2025 – 15/07/2025 Reported Date : 18/07/2025

Parameter ***	Unit	Method	Result	Standard ¹
Total Petroleum Hydrocarbons				
- TPH (C ₅ -C ₈)	mg/L	5030 C /8260 D	ND	≤ 1.4
- Pentane				
- Benzene				
- Toluene				
- m,p-Xylene				
- o-Xylene				
- Ethylbenzene				
- TPH (C ₉ -C ₁₆)	mg/L	3510 C/8015 D	0.050	≤ 1.7
- n-Nonane				
- n-Decane				
- n-Dodecane				
- n-Tetradecane				
- n-Hexadecane				

Physical Apperance : 1. Sample : yellowish turbid

2. Container : Normal [PE 0.5 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Soil and Groundwater Contamination Standard, Notification of the Ministry of Industry , B.E. 2559 (2016)

2. *** Tested by SECOT Co.,Ltd.

3. ND = non-detectable [TPH (C₅-C₈) = < 0.003 mg/L, TPH (C₉-C₃₅) = < 0.050 mg/L]

4. GPS = Sampling at 47 P 731433 E 1406036 N



Examined By ..

18/07/2025

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

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WITHOUT THE WRITTEN APPROVAL LABORATORY

Request No. W6806646

Report No. 6807-0600

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		
Sampling Source	:	GC 19	Sample No.	: W 68061969
Sample Name	:	ทิศตะวันออกของพื้นที่โครงการ (MW03) (น้ำใต้ดิน)	Sampling Date	: 27/06/2025
Sampling By	:	SECOT Co.,Ltd.	Sampling Time	: 9:50 AM
Sampling Method	:	Grab	Received Date	: 28/06/2025
Tested Date	:	30/06/2025 – 15/07/2025	Reported Date	: 18/07/2025

Parameter ***	Unit	Method	Result	Standard ^{1/}
Total Petroleum Hydrocarbons				
- TPH (C _{>16} -C ₃₅)	mg/L	3510 C/8015 D	ND	≤ 0.1
- n-Octadecane				
- n-Eicosane				
- n-Docosane				
- n-Tetracosane				
- n-Hexacosane				
- n-Octacosane				
- n-Triacontane				
- n-Dotriacontane				
- n-Tetratriacontane				
- Pentatriacontane				

Physical Apperance : 1. Sample : yellowish turbid

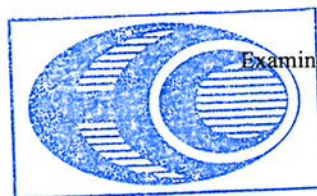
2. Container : Normal [PE 0.5 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Soil and Groundwater Contamination Standard, Notification of the Ministry of Industry , B.E. 2559 (2016)

2. *** Tested by SECOT Co.,Ltd.

3. ND = non-detectable [TPH (C₅-C₈) = < 0.003 mg/L, TPH (C_{>16}-C₃₅) = < 0.050 mg/L]

4. GPS = Sampling at 47 P 731433 E 1406036 N



Examined By

18/07/2025

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

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Request No. LA68-R0215

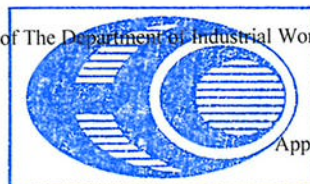
Report No. R6802-0246

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 00322745 : Class 2

SAMPLE NO. : 01001
MEASURING DATE : 04-05/02/2025
RECEIVED DATE : 11/02/2025
REPORTED DATE : 18/02/2025

TIME \ DATE	04-05/02/2025 (L_{eq})	04-05/02/2025 (L_{max})	04-05/02/2025 (L_{90})	UNIT
11:00 - 12:00 ^{/3}	58.3	70.8	57.6	dB(A)
12:00 - 13:00	59.2	76.1	58.5	dB(A)
13:00 - 14:00	58.7	66.8	57.6	dB(A)
14:00 - 15:00	58.8	62.9	57.8	dB(A)
15:00 - 16:00	59.4	66.1	58.6	dB(A)
16:00 - 17:00	59.4	74.6	58.3	dB(A)
17:00 - 18:00	59.4	63.1	58.7	dB(A)
18:00 - 19:00	59.8	67.5	59.1	dB(A)
19:00 - 20:00	59.4	64.3	58.8	dB(A)
20:00 - 21:00	58.9	62.0	58.5	dB(A)
21:00 - 22:00	58.9	64.7	58.4	dB(A)
22:00 - 23:00	59.2	64.2	58.8	dB(A)
23:00 - 00:00	58.8	61.6	58.3	dB(A)
00:00 - 01:00	62.5	69.8	60.6	dB(A)
01:00 - 02:00	60.2	69.0	59.5	dB(A)
02:00 - 03:00	59.8	77.2	59.3	dB(A)
03:00 - 04:00	58.8	73.8	58.2	dB(A)
04:00 - 05:00	58.7	75.0	58.1	dB(A)
05:00 - 06:00	59.0	68.6	58.5	dB(A)
06:00 - 07:00	60.1	68.4	59.1	dB(A)
07:00 - 08:00	58.7	79.8	57.7	dB(A)
08:00 - 09:00	57.8	67.4	57.1	dB(A)
09:00 - 10:00	58.3	74.4	57.6	dB(A)
10:00 - 11:00	59.0	74.5	58.2	dB(A)
L_{eq} 24 hr.	59.3	-	-	dB(A)
L_{dn}	66.1	-	-	dB(A)
Maximum	-	79.8	-	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. Apiwat Klangpetch)

Approved By..

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

18/02/2025

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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WITHOUT THE WRITTEN APPROVAL LABORATORY

Request No. LA68-R0215

Report No. R6802-0247

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. : 01002
 DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 05-06/02/2025
 INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 11/02/2025
 S/N 00322745 : Class 2 REPORTED DATE : 18/02/2025

TIME \ DATE	05-06/02/2025 (L_{eq})	05-06/02/2025 (L_{max})	05-06/02/2025 (L_{90})	UNIT
11:00 - 12:00 ^{1/3}	60.6	72.5	59.9	dB(A)
12:00 - 13:00	61.6	71.9	60.6	dB(A)
13:00 - 14:00	62.7	67.0	61.7	dB(A)
14:00 - 15:00	60.4	65.6	59.5	dB(A)
15:00 - 16:00	59.9	70.6	59.0	dB(A)
16:00 - 17:00	60.2	64.1	59.4	dB(A)
17:00 - 18:00	59.7	75.8	59.1	dB(A)
18:00 - 19:00	60.0	71.2	59.5	dB(A)
19:00 - 20:00	59.7	63.5	59.3	dB(A)
20:00 - 21:00	59.8	62.8	59.4	dB(A)
21:00 - 22:00	59.9	62.8	59.5	dB(A)
22:00 - 23:00	60.9	63.6	60.5	dB(A)
23:00 - 00:00	60.6	62.8	60.3	dB(A)
00:00 - 01:00	60.1	63.5	59.7	dB(A)
01:00 - 02:00	60.8	63.8	60.3	dB(A)
02:00 - 03:00	61.0	63.8	60.6	dB(A)
03:00 - 04:00	60.5	66.8	60.1	dB(A)
04:00 - 05:00	60.0	63.0	59.5	dB(A)
05:00 - 06:00	58.8	67.7	58.2	dB(A)
06:00 - 07:00	59.3	71.7	58.5	dB(A)
07:00 - 08:00	59.1	77.9	58.4	dB(A)
08:00 - 09:00	58.2	68.0	57.4	dB(A)
09:00 - 10:00	58.4	66.7	57.6	dB(A)
10:00 - 11:00	58.8	67.7	58.0	dB(A)
L_{eq} 24 hr.	60.2	-	-	dB(A)
L_{dn}	66.7	-	-	dB(A)
Maximum	-	77.9	-	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. Apiwat Klangpetch)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

18/02/2025

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Request No. LA68-R0215

Report No. R6802-0248

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 00322745 : Class 2

SAMPLE NO. : 01003
MEASURING DATE : 06-07/02/2025
RECEIVED DATE : 11/02/2025
REPORTED DATE : 18/02/2025

TIME \ DATE	06-07/02/2025 (L_{eq})	06-07/02/2025 (L_{max})	06-07/02/2025 (L_{90})	UNIT
11:00 - 12:00 ^{/3}	59.1	66.0	58.3	dB(A)
12:00 - 13:00	59.3	62.0	58.6	dB(A)
13:00 - 14:00	59.4	65.2	58.5	dB(A)
14:00 - 15:00	59.5	68.4	58.7	dB(A)
15:00 - 16:00	59.7	62.7	58.9	dB(A)
16:00 - 17:00	59.4	62.5	58.7	dB(A)
17:00 - 18:00	59.5	72.0	58.9	dB(A)
18:00 - 19:00	60.0	89.3	59.0	dB(A)
19:00 - 20:00	59.6	63.3	59.1	dB(A)
20:00 - 21:00	59.8	66.3	59.3	dB(A)
21:00 - 22:00	59.8	67.5	59.3	dB(A)
22:00 - 23:00	60.3	65.8	59.8	dB(A)
23:00 - 00:00	59.8	70.7	59.3	dB(A)
00:00 - 01:00	59.5	62.2	59.0	dB(A)
01:00 - 02:00	59.1	61.0	58.8	dB(A)
02:00 - 03:00	59.4	64.8	59.0	dB(A)
03:00 - 04:00	60.5	63.5	60.1	dB(A)
04:00 - 05:00	60.6	68.7	60.2	dB(A)
05:00 - 06:00	60.9	73.0	60.2	dB(A)
06:00 - 07:00	59.7	72.0	58.9	dB(A)
07:00 - 08:00	58.6	68.5	57.9	dB(A)
08:00 - 09:00	58.7	70.8	58.0	dB(A)
09:00 - 10:00	59.7	85.2	58.9	dB(A)
10:00 - 11:00	59.5	72.9	58.7	dB(A)
L_{eq} 24 hr.	59.7	-	-	dB(A)
L_{dn}	66.4	-	-	dB(A)
Maximum	-	89.3	-	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. Apiwat Klangpetch)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

18/02/2025

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Request No. LA68-R0215

Report No. R6802-0249

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. : 01004
DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 07-08/02/2025
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 11/02/2025
S/N 00322745 : Class 2 REPORTED DATE : 18/02/2025

TIME \ DATE	07-08/02/2025 (L_{eq})	07-08/02/2025 (L_{max})	07-08/02/2025 (L_{90})	UNIT
11:00 - 12:00 ^{/3}	58.7	61.7	57.9	dB(A)
12:00 - 13:00	58.8	62.0	57.9	dB(A)
13:00 - 14:00	59.1	61.7	58.3	dB(A)
14:00 - 15:00	59.6	61.9	58.9	dB(A)
15:00 - 16:00	59.6	71.2	58.7	dB(A)
16:00 - 17:00	58.7	68.4	57.7	dB(A)
17:00 - 18:00	59.3	64.4	58.7	dB(A)
18:00 - 19:00	59.7	69.9	59.1	dB(A)
19:00 - 20:00	59.7	74.7	59.3	dB(A)
20:00 - 21:00	59.5	70.0	59.1	dB(A)
21:00 - 22:00	59.6	69.7	59.2	dB(A)
22:00 - 23:00	59.7	64.8	59.3	dB(A)
23:00 - 00:00	60.2	62.1	59.7	dB(A)
00:00 - 01:00	59.3	65.5	58.9	dB(A)
01:00 - 02:00	58.3	70.3	57.8	dB(A)
02:00 - 03:00	58.5	63.2	58.1	dB(A)
03:00 - 04:00	58.8	61.3	58.4	dB(A)
04:00 - 05:00	58.6	60.9	58.1	dB(A)
05:00 - 06:00	59.4	67.7	58.6	dB(A)
06:00 - 07:00	58.9	67.8	58.3	dB(A)
07:00 - 08:00	58.7	72.1	57.9	dB(A)
08:00 - 09:00	57.7	74.4	56.7	dB(A)
09:00 - 10:00	57.4	64.1	56.0	dB(A)
10:00 - 11:00	58.8	66.5	57.7	dB(A)
L_{eq} 24 hr.	59.1	-	-	dB(A)
L_{dn}	65.5	-	-	dB(A)
Maximum	-	74.7	-	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. Apiwat Klangpetch)

Approved By.

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

18/02/2025

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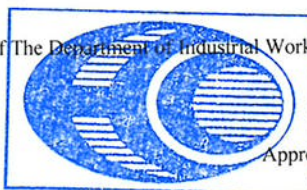
Request No. LA68-R0215

Report No. R6802-0250

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. : 01005
 DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 08-09/02/2025
 INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 11/02/2025
 S/N 00322745 : Class 2 REPORTED DATE : 18/02/2025

TIME \ DATE	08-09/02/2025 (L_{eq})	08-09/02/2025 (L_{max})	08-09/02/2025 (L_{90})	UNIT
11:00 - 12:00 ^{/3}	58.7	62.1	57.7	dB(A)
12:00 - 13:00	60.0	77.1	58.9	dB(A)
13:00 - 14:00	59.4	66.4	58.5	dB(A)
14:00 - 15:00	59.4	61.6	58.8	dB(A)
15:00 - 16:00	59.3	66.0	58.6	dB(A)
16:00 - 17:00	59.5	72.4	58.7	dB(A)
17:00 - 18:00	59.4	68.9	58.8	dB(A)
18:00 - 19:00	59.7	73.0	59.1	dB(A)
19:00 - 20:00	59.3	63.0	58.9	dB(A)
20:00 - 21:00	59.4	64.5	59.0	dB(A)
21:00 - 22:00	59.9	66.6	59.5	dB(A)
22:00 - 23:00	59.8	62.0	59.3	dB(A)
23:00 - 00:00	59.6	61.9	59.1	dB(A)
00:00 - 01:00	58.8	60.6	58.3	dB(A)
01:00 - 02:00	58.9	60.7	58.4	dB(A)
02:00 - 03:00	58.8	61.5	58.2	dB(A)
03:00 - 04:00	58.4	68.6	57.8	dB(A)
04:00 - 05:00	58.6	66.8	57.8	dB(A)
05:00 - 06:00	58.7	67.1	57.8	dB(A)
06:00 - 07:00	58.8	68.9	57.9	dB(A)
07:00 - 08:00	58.6	70.0	57.8	dB(A)
08:00 - 09:00	57.6	64.4	56.3	dB(A)
09:00 - 10:00	56.7	60.9	55.1	dB(A)
10:00 - 11:00	57.2	75.7	55.5	dB(A)
L_{eq} 24 hr.	59.0	-	-	dB(A)
L_{dn}	65.4	-	-	dB(A)
Maximum	-	77.1	-	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. Apiwat Klangpetch)

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18/02/2025

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Request No. LA68-R0215

Report No. R6802-0251

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. : 01006
DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 09-10/02/2025
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 11/02/2025
S/N 00322745 : Class 2 REPORTED DATE : 18/02/2025

TIME \ DATE	09-10/02/2025 (L_{eq})	09-10/02/2025 (L_{max})	09-10/02/2025 (L_{90})	UNIT
11:00 - 12:00 ^{/3}	57.2	64.2	55.9	dB(A)
12:00 - 13:00	56.8	61.1	55.3	dB(A)
13:00 - 14:00	59.1	64.7	58.2	dB(A)
14:00 - 15:00	59.3	62.2	58.7	dB(A)
15:00 - 16:00	59.2	62.7	58.2	dB(A)
16:00 - 17:00	59.6	67.5	58.7	dB(A)
17:00 - 18:00	59.6	67.4	58.8	dB(A)
18:00 - 19:00	59.8	71.6	59.2	dB(A)
19:00 - 20:00	59.2	67.6	58.8	dB(A)
20:00 - 21:00	58.3	60.6	57.7	dB(A)
21:00 - 22:00	59.6	63.2	58.9	dB(A)
22:00 - 23:00	59.8	62.2	59.2	dB(A)
23:00 - 00:00	58.7	60.2	58.3	dB(A)
00:00 - 01:00	58.5	65.5	58.1	dB(A)
01:00 - 02:00	58.6	60.5	58.2	dB(A)
02:00 - 03:00	58.5	60.5	58.0	dB(A)
03:00 - 04:00	57.8	60.4	57.0	dB(A)
04:00 - 05:00	57.9	61.6	57.1	dB(A)
05:00 - 06:00	58.2	66.0	57.2	dB(A)
06:00 - 07:00	58.5	70.9	57.4	dB(A)
07:00 - 08:00	58.3	73.2	56.9	dB(A)
08:00 - 09:00	57.1	67.4	55.7	dB(A)
09:00 - 10:00	56.7	61.9	55.1	dB(A)
10:00 - 11:00	56.3	74.0	54.2	dB(A)
L_{eq} 24 hr.	58.6	-	-	dB(A)
L_{dn}	64.9	-	-	dB(A)
Maximum	-	74.0	-	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. Apiwat Klangpetch)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

18/02/2025

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Request No. LA68-R0215

Report No. R6802-0252

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. : 01007
DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 10-11/02/2025
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 11/02/2025
S/N 00322745 : Class 2 REPORTED DATE : 18/02/2025

TIME \ DATE	10-11/02/2025 (L_{eq})	10-11/02/2025 (L_{max})	10-11/02/2025 (L_{90})	UNIT
11:00 - 12:00 ^{/3}	55.2	61.4	53.2	dB(A)
12:00 - 13:00	58.3	62.4	57.2	dB(A)
13:00 - 14:00	59.4	62.6	58.6	dB(A)
14:00 - 15:00	59.4	62.6	58.5	dB(A)
15:00 - 16:00	59.3	69.7	58.4	dB(A)
16:00 - 17:00	58.5	67.4	57.5	dB(A)
17:00 - 18:00	58.1	66.6	57.2	dB(A)
18:00 - 19:00	58.7	67.2	58.1	dB(A)
19:00 - 20:00	59.1	61.8	58.6	dB(A)
20:00 - 21:00	58.9	62.2	58.3	dB(A)
21:00 - 22:00	58.9	63.1	58.5	dB(A)
22:00 - 23:00	59.0	65.2	58.6	dB(A)
23:00 - 00:00	58.4	65.6	57.9	dB(A)
00:00 - 01:00	58.2	68.1	57.8	dB(A)
01:00 - 02:00	58.2	62.2	57.8	dB(A)
02:00 - 03:00	58.3	62.2	57.9	dB(A)
03:00 - 04:00	58.6	67.6	58.2	dB(A)
04:00 - 05:00	58.7	63.9	58.1	dB(A)
05:00 - 06:00	58.7	64.8	58.3	dB(A)
06:00 - 07:00	59.2	70.8	58.4	dB(A)
07:00 - 08:00	59.5	72.1	58.9	dB(A)
08:00 - 09:00	57.3	66.8	56.0	dB(A)
09:00 - 10:00	56.3	73.1	54.5	dB(A)
10:00 - 11:00	56.0	62.1	54.2	dB(A)
L_{eq} 24 hr.	58.5	-	-	dB(A)
L_{dn}	65.0	-	-	dB(A)
Maximum	-	73.1	-	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. Apiwat Klangpetch)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

18/02/2025

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Request No. ATR6802021

Report No. 6802-0166

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 : 14/02/2025 SAMPLE NO. : A68020166
RECEIVED DATE : 19/02/2025 SAMPLING TIME : 09:01-10:01
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 19/02/2025-25/02/2025
Serial No. 20200403077 REPORTED DATE : 07/03/2025

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.

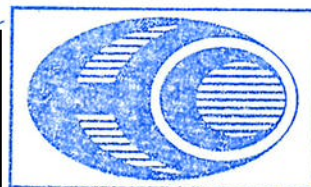
(Sampling By Mr. Suttha Songthaninai)

GPS = Sampling at UTM 47P 731088E 1406270N

Examined By

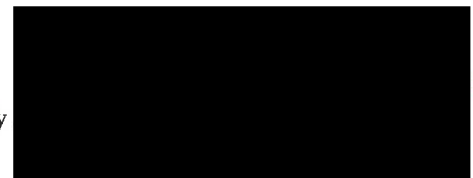


07/03/2025



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By



07/03/2025

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Request No. ATR6806051

Report No. 6806-0761

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 : 10/06/2025 SAMPLE NO. : A68060761
 RECEIVED DATE : 17/06/2025 SAMPLING TIME : 09:38-10:38
 SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 17/06/2025-24/06/2025
 Serial No. 20160502014 REPORTED DATE : 03/07/2025

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

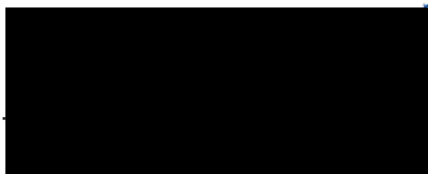
REMARK:^{1/} Notification of The Department of Labour Protection and Welfare B.E.2560 (2017), Concentration Limits of Hazardous Chemicals.

* 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 Jutarat Suksaget)

GPS = Sampling at UTM 47P 731088E 1406270N

Examined By



03/07/2025



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By



03/07/2025

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Request No. ATR6802021

Report No. 6802-0167

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 : 14/02/2025 SAMPLE NO. : A68020167
RECEIVED DATE : 19/02/2025 SAMPLING TIME : 08:49-09:49
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 19/02/2025-25/02/2025
Serial No. 218403 REPORTED DATE : 07/03/2025

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

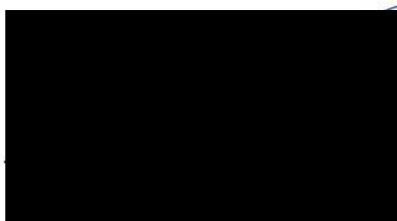
REMARK:

^{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.

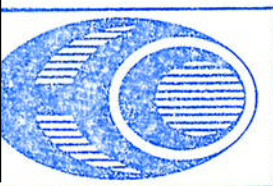
(Sampling By Mr. Suttha Songthaninai)

GPS = Sampling at UTM 47P 731244E 1406145N

Examined By

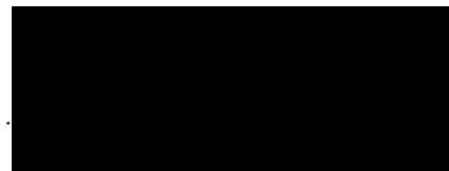


07/03/2025



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Approved By



07/03/2025

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Request No. ATR6806051

Report No. 6806-0762

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 : 10/06/2025 SAMPLE NO. : A68060762
RECEIVED DATE : 17/06/2025 SAMPLING TIME : 09:30-10:30
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 17/06/2025-24/06/2025
Serial No. 20200403061 REPORTED DATE : 03/07/2025

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

REMARK:

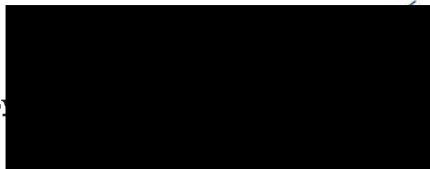
¹ Notification of The Department of Labour Protection and Welfare B.E.2560 (2017), Concentration Limits of Hazardous Chemicals.

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

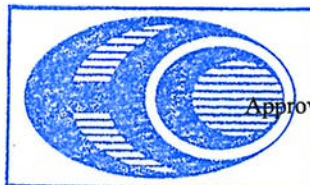
(Sampling By Miss Jutarat Suksaget)

GPS = Sampling at UTM 47P 731244E 1406145N

Examined By



03/07/2025



Approved By

03/07/2025

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Request No. ATR6802021

Report No. 6802-0168

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 : 14/02/2025 SAMPLE NO. : A68020168
RECEIVED DATE : 19/02/2025 SAMPLING TIME : 08:49-09:49
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.05 L/min TESTED DATE : 19/02/2025-24/02/2025
Serial No. 218403 REPORTED DATE : 07/03/2025

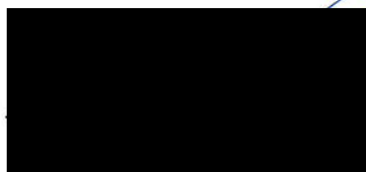
PARAMETER*	TEST METHOD	RESULT	STD ¹	UNIT
Acetone	Sorbent Adsorption, Gas	< 13.17	2,400	mg/m ³
	Chromatography/NIOSH 2555	< 5.54	1,000	ppm

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.

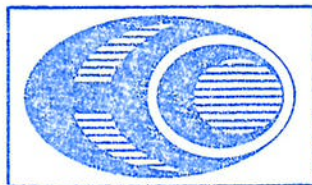
(Sampling By Mr. Suttha Songthaninai)

GPS = Sampling at UTM 47P 731244E 1406145N

Examined By

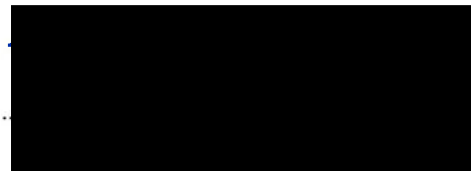


07/03/2025



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By



07/03/2025

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Request No. ATR6806051

Report No. 6806-0763

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 : 10/06/2025 SAMPLE NO. : A68060763
 RECEIVED DATE : 17/06/2025 SAMPLING TIME : 09:30-10:30
 SAMPLING INSTRUMENT : Personal Pump Flow rate 0.05 L/min TESTED DATE : 17/06/2025-24/06/2025
 Serial No. 20200403061 REPORTED DATE : 03/07/2025

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

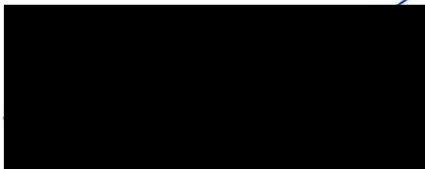
REMARK:^{1/} Notification of The Department of Labour Protection and Welfare B.E.2560 (2017), Concentration Limits of Hazardous Chemicals.

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

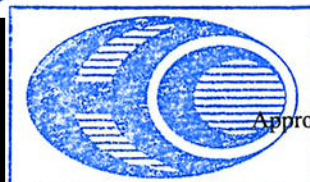
(Sampling By Miss Jutarat Suksaget)

GPS = Sampling at UTM 47P 731244E 1406145N

Examined By

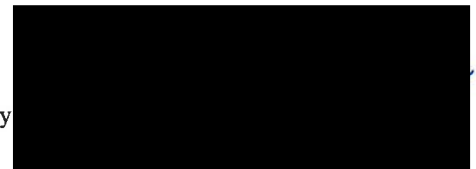


03/07/2025



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By



03/07/2025

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Request No. ATR6802021

Report No. 6802-0169

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 : 14/02/2025 SAMPLE NO. : A68020169
RECEIVED DATE : 17/02/2025 SAMPLING TIME : 08:49-09:39
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 27/02/2025
Serial No. 218403 REPORTED DATE : 07/03/2025

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

REMARK:

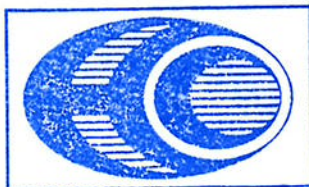
^{/1} Notification of The Department of Labour Protection and Welfare B.E.2560 (2017), Concentration Limits of Hazardous Chemicals.^{/2} ND = Non detectable : When detection limit of Propylene Oxide is less than 0.10 mg/m³ or 0.05 ppm.

** 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. Suttha Songthaninai)

Analysed By SECOT Co.,Ltd.

GPS = Sampling at UTM 47P 731244E 1406145N



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Examined By.

07/03/2025

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Request No. ATR6806051

Report No. 6806-0764

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 : 10/06/2025 SAMPLE NO. : A68060764
RECEIVED DATE : 13/06/2025 SAMPLING TIME : 09:30-10:20
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 24/06/2025
Serial No. 20200403061 REPORTED DATE : 03/07/2025

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

REMARK:

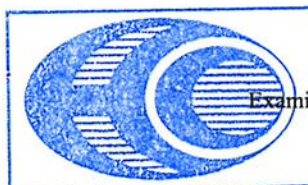
^{/1} Notification of The Department of Labour Protection and Welfare B.E.2560 (2017), Concentration Limits of Hazardous Chemicals.^{/2} ND = Non detectable : When detection limit of Propylene Oxide is less than 0.10 mg/m³ or 0.05 ppm.

** 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 Jutarat Suksaget)

Analysed By SECOT Co.,Ltd.

GPS = Sampling at UTM 47P 731244E 1406145N



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Examined By

03/07/2025

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Request No. ATR6802021

Report No. 6802-0170

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 : 14/02/2025 SAMPLE NO. : A68020170
 RECEIVED DATE : 19/02/2025 SAMPLING TIME : 08:53-09:53
 SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 19/02/2025-25/02/2025
 Serial No. 218411 REPORTED DATE : 07/03/2025

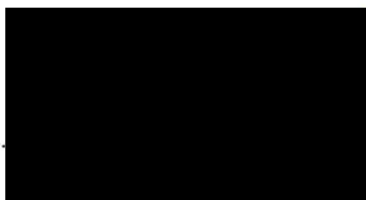
PARAMETER*	TEST METHOD	RESULT	STD ¹	UNIT
Cumene	Sorbent Adsorption, Gas	< 0.72	245	mg/m ³
	Chromatography/NIOSH1501	< 0.15	50	ppm

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.

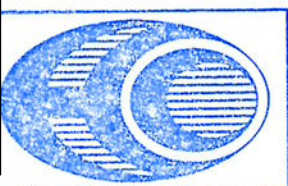
(Sampling By Mr. Suttha Songthaninai)

GPS = Sampling at UTM 47P 731204E 1406197N

Examined By

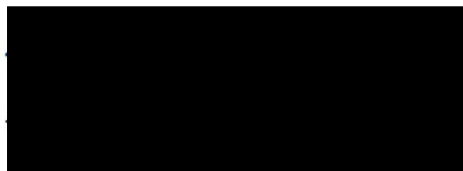


07/03/2025



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Approved By



07/03/2025

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Request No. ATR6806051

Report No. 6806-0765

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 : 10/06/2025 SAMPLE NO. : A68060765
RECEIVED DATE : 17/06/2025 SAMPLING TIME : 09:32-10:32
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 17/06/2025-24/06/2025
Serial No. 20180903080 REPORTED DATE : 03/07/2025

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.

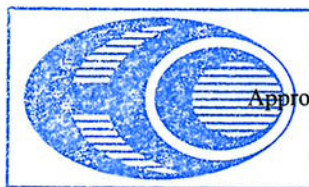
* Parameter have License Registration of Department of Labour Protection and Welfare No.0201-03-2564-0008 and No.0202-03-2564-0005.

(Sampling By Miss Jutarat Suksaget)

GPS = Sampling at UTM 47P 731204E 1406197N

Examined By ..

03/07/2025



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By ..

03/07/2025

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Request No. ATR6802021

Report No. 6802-0171

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 : 14/02/2025 SAMPLE NO. : A68020171
 RECEIVED DATE : 19/02/2025 SAMPLING TIME : 08:53-09:53
 SAMPLING INSTRUMENT : Personal Pump Flow rate 0.05 L/min TESTED DATE : 19/02/2025-24/02/2025
 Serial No. 218411 REPORTED DATE : 07/03/2025

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:

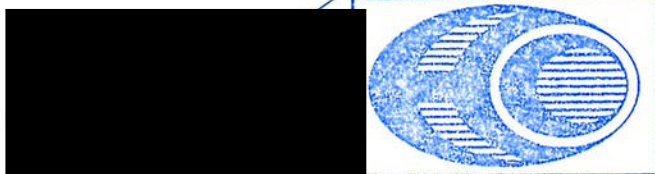
¹ Notification of The Department of Labour Protection and Welfare B.E.2560 (2017), Concentration Limits of Hazardous Chemicals.

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

(Sampling By Mr. Suttha Songthaninai)

GPS = Sampling at UTM 47P 731204E 1406197N

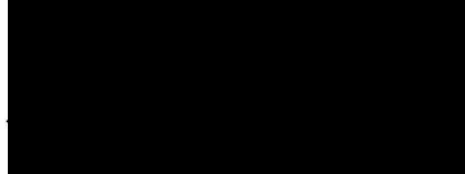
Examined By



07/03/2025

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Approved By



07/03/2025

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Request No. ATR6806051

Report No. 6806-0766

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 : 10/06/2025 SAMPLE NO. : A68060766
RECEIVED DATE : 17/06/2025 SAMPLING TIME : 09:32-10:32
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.05 L/min TESTED DATE : 17/06/2025-24/06/2025
Serial No. 20180903080 REPORTED DATE : 03/07/2025

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.

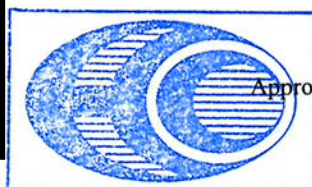
* Parameter have License Registration of Department of Labour Protection and Welfare No.0201-03-2564-0008 and No.0202-03-2564-0005.

(Sampling By Miss Jutarat Suksaget)

GPS = Sampling at UTM 47P 731204E 1406197N

Examined By

03/07/2025



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

03/07/2025

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Request No. ATR6802021

Report No. 6802-0172

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
ADDRESS : 12 Soi G-4, Pakom Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150
SAMPLE SOURCE : GC 19
SAMPLE NAME : C3-PO Purification Section
SAMPLING DATE : 14/02/2025 SAMPLE NO. : A68020172
RECEIVED DATE : 17/02/2025 SAMPLING TIME : 08:53-09:43
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 27/02/2025
Serial No. 218411 REPORTED DATE : 07/03/2025

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

REMARK:

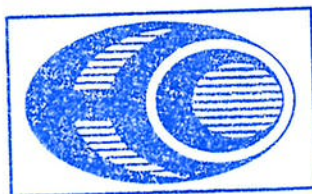
^{/1} Notification of The Department of Labour Protection and Welfare B.E.2560 (2017), Concentration Limits of Hazardous Chemicals.^{/2} ND = Non detectable : When detection limit of Propylene Oxide is less than 0.10 mg/m³ or 0.05 ppm.

** 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. Suttha Songthaninai)

Analysed By SECOT Co.,Ltd.

GPS = Sampling at UTM 47P 731204E 1406197N



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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07/03/2025

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Request No. ATR6806051

Report No. 6806-0767

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 : 10/06/2025 SAMPLE NO. : A68060767
RECEIVED DATE : 13/06/2025 SAMPLING TIME : 09:32-10:22
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 24/06/2025
Serial No. 20180903080 REPORTED DATE : 03/07/2025

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

REMARK:

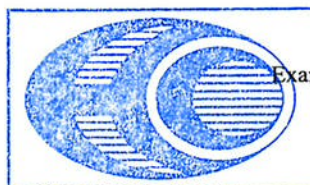
^{/1} Notification of The Department of Labour Protection and Welfare B.E.2560 (2017), Concentration Limits of Hazardous Chemicals.^{/2} ND = Non detectable : When detection limit of Propylene Oxide is less than 0.10 mg/m³ or 0.05 ppm.

** 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 Jutarat Suksaget)

Analysed By SECOT Co.,Ltd.

GPS = Sampling at UTM 47P 731204E 1406197N



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By..

03/07/2025

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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WITHOUT THE WRITTEN APPROVAL LABORATORY

Request No. ATR6802021

Report No. 6802-0173

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 : 14/02/2025 SAMPLE NO. : A68020173
 RECEIVED DATE : 19/02/2025 SAMPLING TIME : 08:56-09:56
 SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 19/02/2025-25/02/2025
 Serial No. 218391 REPORTED DATE : 07/03/2025

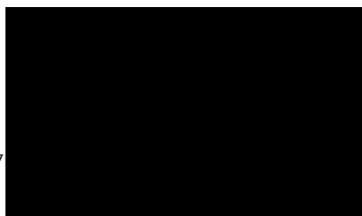
PARAMETER*	TEST METHOD	RESULT	STD ¹	UNIT
Cumene	Sorbent Adsorption, Gas	< 0.72	245	mg/m ³
	Chromatography/NIOSH1501	< 0.15	50	ppm

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.

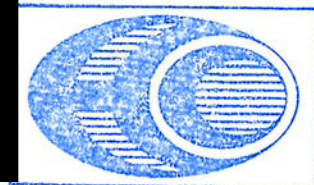
GPS = Sampling at UTM 47P 731204E 1406213N

(Sampling By Mr. Suttha Songthaninai)

Examined By

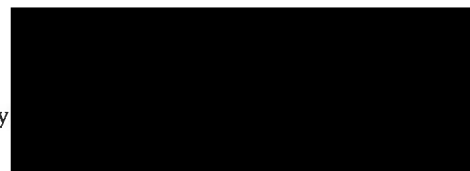


07/03/2025



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By



07/03/2025

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Request No. ATR6806051

Report No. 6806-0768

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 : 10/06/2025 SAMPLE NO. : A68060768
RECEIVED DATE : 17/06/2025 SAMPLING TIME : 09:35-10:35
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 17/06/2025-24/06/2025
Serial No. 218402 REPORTED DATE : 03/07/2025

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.

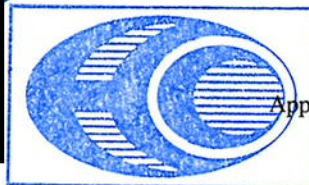
* Parameter have License Registration of Department of Labour Protection and Welfare No.0201-03-2564-0008 and No.0202-03-2564-0005.

(Sampling By Miss Jutarat Suksaget)

GPS = Sampling at UTM 47P 731204E 1406213N

Examined By

03/07/2025



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

03/07/2025

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Request No. ATR6802021

Report No. 6802-0174

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 : 14/02/2025 SAMPLE NO. : A68020174
RECEIVED DATE : 19/02/2025 SAMPLING TIME : 08:59-09:59
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.05 L/min TESTED DATE : 19/02/2025-24/02/2025
Serial No. 218383 REPORTED DATE : 07/03/2025

PARAMETER*	TEST METHOD	RESULT	STD ¹¹	UNIT
Acetone	Sorbent Adsorption, Gas	< 13.17	2,400	mg/m ³
	Chromatography/NIOSH 2555	< 5.54	1,000	ppm

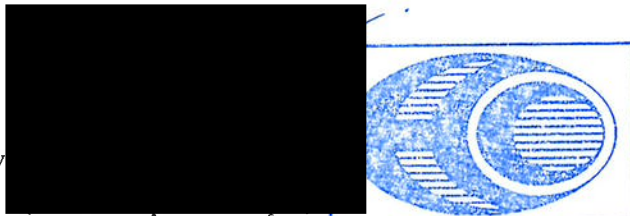
REMARK:

¹¹ 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. Suttha Songthaninai)

GPS = Sampling at UTM 47P 731136E 1406237N

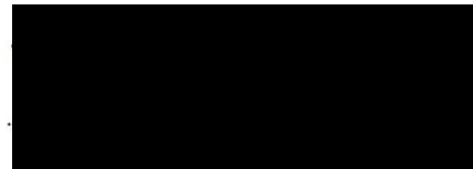
Examined By



07/03/2025

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By



07/03/2025

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Request No. ATR6806051

Report No. 6806-0769

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 : 10/06/2025
RECEIVED DATE : 17/06/2025
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.05 L/min
Serial No. 20200403079

SAMPLE NO. : A68060769
SAMPLING TIME : 09:36-10:36
TESTED DATE : 17/06/2025-24/06/2025
REPORTED DATE : 03/07/2025

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

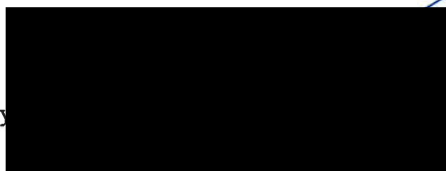
REMARK:^{1/} Notification of The Department of Labour Protection and Welfare B.E.2560 (2017), Concentration Limits of Hazardous Chemicals.

* 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 Jutarat Suksaget)

GPS = Sampling at UTM 47P 731136E 1406237N

Examined By



03/07/2025



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By



03/07/2025

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Request No. ATR6802021

Report No. 6802-0175

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 : 14/02/2025 SAMPLE NO. : A68020175
RECEIVED DATE : 17/02/2025 SAMPLING TIME : 08:59-09:49
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 27/02/2025
Serial No. 218383 REPORTED DATE : 07/03/2025

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

REMARK:

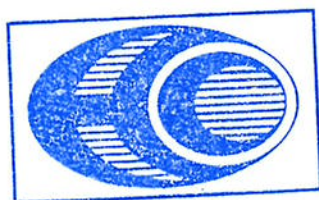
^{/1} Notification of The Department of Labour Protection and Welfare B.E.2560 (2017), Concentration Limits of Hazardous Chemicals.^{/2} ND = Non detectable : When detection limit of Propylene Oxide is less than 0.10 mg/m³ or 0.05 ppm.

** 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. Suttha Songthaninai)

Analysed By SECOT Co.,Ltd.

GPS = Sampling at UTM 47P 731136E 1406237N



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By

07/03/2025

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Request No. ATR6806051

Report No. 6806-0770

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 : 10/06/2025 SAMPLE NO. : A68060770
RECEIVED DATE : 13/06/2025 SAMPLING TIME : 09:36-10:26
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 24/06/2025
Serial No. 20200403079 REPORTED DATE : 03/07/2025

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

REMARK:

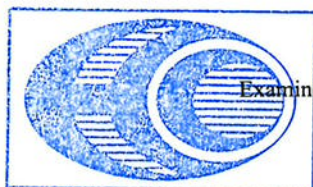
^{/1} Notification of The Department of Labour Protection and Welfare B.E.2560 (2017), Concentration Limits of Hazardous Chemicals.^{/2} ND = Non detectable : When detection limit of Propylene Oxide is less than 0.10 mg/m³ or 0.05 ppm.

** 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 Jutarat Suksaget)

Analysed By SECOT Co.,Ltd.

GPS = Sampling at UTM 47P 731136E 1406237N



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

03/07/2025

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Request No. ATR6802021

Report No. 6802-0176

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 : 14/02/2025 SAMPLE NO. : A68020176
 RECEIVED DATE : 17/02/2025 SAMPLING TIME : 09:06-10:06
 SAMPLING INSTRUMENT : Personal Pump Flow rate 0.20 L/min TESTED DATE : 17/02/2025
 Serial No. 20160502013 REPORTED DATE : 07/03/2025

PARAMETER**	TEST METHOD	RESULT	UNIT
Total Volatile Organic Compounds (TVOCs)	GC - FID	3.28	ppm

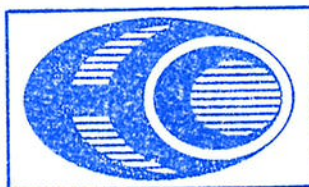
REMARK:

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

Sampling By Eastern Thai Consulting 1992 Co.,Ltd., (Mr. Suttha Songthaninai)

Analysed By SECOT Co.,Ltd.

GPS = Sampling at UTM 47P 730981E 1406187N



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By

(Miss Phanaiporn Kamsopon)

07/03/2025

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Request No. ATR6806051

Report No. 6806-0771

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 (TK-1460)
SAMPLING DATE : 10/06/2025 SAMPLE NO. : A68060771
RECEIVED DATE : 13/06/2025 SAMPLING TIME : 09:40-10:40
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.20 L/min TESTED DATE : 18/06/2025
Serial No. 20040902003 REPORTED DATE : 03/07/2025

PARAMETER**	TEST METHOD	RESULT	UNIT
Total Volatile Organic Compounds (TVOCs)	GC - FID	2.15	ppm

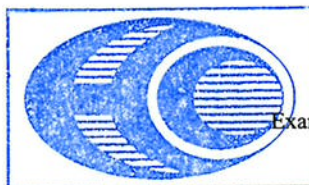
REMARK:

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

Sampling By Eastern Thai Consulting 1992 Co.,Ltd., (Miss Jutarat Suksaget)

Analysed By SECOT Co.,Ltd.

GPS = Sampling at UTM 47P 730981E 1406187N



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By

03/07/2025

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THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
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Request No. ATR6802021

Report No. 6802-0178

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 : 14/02/2025 SAMPLE NO. : A68020178
 RECEIVED DATE : 17/02/2025 SAMPLING TIME : 09:15-10:15
 SAMPLING INSTRUMENT : Personal Pump Flow rate 0.20 L/min TESTED DATE : 17/02/2025
 Serial No. 20211103029 REPORTED DATE : 07/03/2025

PARAMETER**	TEST METHOD	RESULT	UNIT
Total Volatile Organic Compounds (TVOCs)	GC - FID	2.71	ppm

REMARK:

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

Sampling By Eastern Thai Consulting 1992 Co.,Ltd., (Mr. Suttha Songthaninai)

Analysed By SECOT Co.,Ltd.

GPS = Sampling at UTM 47P 731017E 1406244N



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By

07/03/2025

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Request No. ATR6806051

Report No. 6806-0773

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 (TK-1456)
SAMPLING DATE : 10/06/2025 SAMPLE NO. : A68060773
RECEIVED DATE : 18/06/2025 SAMPLING TIME : 09:42-10:42
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.20 L/min TESTED DATE : 18/06/2025
Serial No. 20180903094 REPORTED DATE : 03/07/2025

PARAMETER**	TEST METHOD	RESULT	UNIT
Total Volatile Organic Compounds (TVOCs)	GC - FID	1.77	ppm

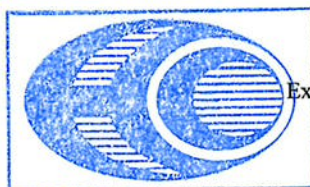
REMARK:

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

Sampling By Eastern Thai Consulting 1992 Co.,Ltd., (Miss Jutarat Suksaget)

Analysed By SECOT Co.,Ltd.

GPS = Sampling at UTM 47P 731017E 1406244N



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Examined By

03/07/2025

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Request No. ATR6802021

Report No. 6802-0179

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 : 14/02/2025 SAMPLE NO. : A68020179
RECEIVED DATE : 17/02/2025 SAMPLING TIME : 09:26-10:26
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.20 L/min TESTED DATE : 17/02/2025
Serial No. 20180903076 REPORTED DATE : 07/03/2025

PARAMETER**	TEST METHOD	RESULT	UNIT
Total Volatile Organic Compounds (TVOCs)	GC - FID	2.53	ppm

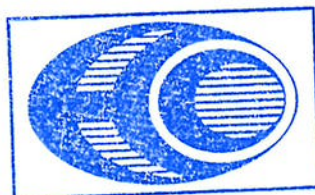
REMARK:

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

Sampling By Eastern Thai Consulting 1992 Co.,Ltd., (Mr. Suttha Songthaninai)

Analysed By SECOT Co.,Ltd.

GPS = Sampling at UTM 47P 731342E 1406131N



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By

07/03/2025

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Request No. ATR6806051

Report No. 6806-0774

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 (TK-1693)
SAMPLING DATE : 10/06/2025 SAMPLE NO. : A68060774
RECEIVED DATE : 13/06/2025 SAMPLING TIME : 10:45-11:45
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.20 L/min TESTED DATE : 18/06/2025
Serial No. 20040902003 REPORTED DATE : 03/07/2025

PARAMETER**	TEST METHOD	RESULT	UNIT
Total Volatile Organic Compounds (TVOCs)	GC - FID	1.50	ppm

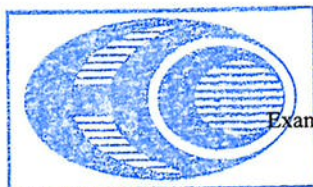
REMARK:

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

Sampling By Eastern Thai Consulting 1992 Co.,Ltd., (Miss Jutarat Suksaget)

Analysed By SECOT Co.,Ltd.

GPS = Sampling at UTM 47P 731342E 1406131N



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

03/07/2025

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Request No. ATR6802021

Report No. 6802-0177

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
ADDRESS : 12 Soi G-4, Pakom Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150
SAMPLE SOURCE : GC 19
SAMPLE NAME : Tank Farm 4 (TK-5402)
SAMPLING DATE : 14/02/2025 SAMPLE NO. : A68020177
RECEIVED DATE : 17/02/2025 SAMPLING TIME : 09:09-10:09
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.20 L/min TESTED DATE : 17/02/2025
Serial No. 20200403074 REPORTED DATE : 07/03/2025

PARAMETER**	TEST METHOD	RESULT	UNIT
Total Volatile Organic Compounds (TVOCs)	GC - FID	3.50	ppm

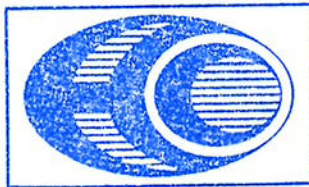
REMARK:

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

Sampling By Eastern Thai Consulting 1992 Co.,Ltd., (Mr. Suttha Songthaninai)

Analysed By SECOT Co.,Ltd.

GPS = Sampling at UTM 47P 730961E 1406269N



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By

07/03/2025

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Request No. ATR6806051

Report No. 6806-0772

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 (TK-5402)
SAMPLING DATE : 10/06/2025 SAMPLE NO. : A68060772
RECEIVED DATE : 13/06/2025 SAMPLING TIME : 09:40-10:40
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.20 L/min TESTED DATE : 18/06/2025
Serial No. 20160502013 REPORTED DATE : 03/07/2025

PARAMETER**	TEST METHOD	RESULT	UNIT
Total Volatile Organic Compounds (TVOCs)	GC - FID	1.36	ppm

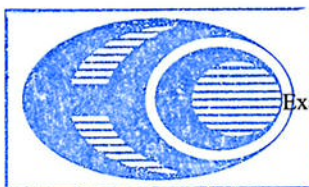
REMARK:

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

Sampling By Eastern Thai Consulting 1992 Co.,Ltd., (Miss Jutarat Suksaget)

Analysed By SECOT Co.,Ltd.

GPS = Sampling at UTM 47P 730961E 1406269N



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

03/07/2025

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

Request No. ATR6802021

Report No. 6802-0180

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
 ADDRESS : Noen Phra Sub-district, Mueang Rayong District, Rayong, 21150
 SAMPLE SOURCE : GC 19
 SAMPLE NAME : พนักงานที่ปฏิบัติงานในพื้นที่เสี่ยงในกระบวนการผลิต (คุณภาพวัสดุ อินนิงแท่น)
 SAMPLING DATE : 14/02/2025 SAMPLE NO. : A68020180
 RECEIVED DATE : 17/02/2025 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Personal Pump Flow rate 0.01 L/min TESTED DATE : 27/02/2025
 Serial No. 218445 REPORTED DATE : 07/03/2025

PARAMETER**	TEST METHOD	RESULT ^{1/2}	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. Suttha Songthaninai)

Analysed By SECOT Co.,Ltd.



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined

07/03/2025

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Request No. ATR6802021

Report No. 6802-0181

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 (คุณชุกรี ประเสริฐคำ)
 SAMPLING DATE : 14/02/2025 SAMPLE NO. : A68020181
 RECEIVED DATE : 17/02/2025 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Personal Pump Flow rate 0.01 L/min TESTED DATE : 27/02/2025
 Serial No. 218408 REPORTED DATE : 07/03/2025

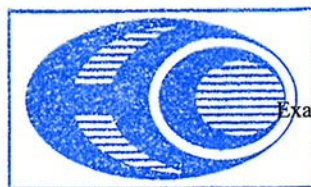
PARAMETER**	TEST METHOD	RESULT	STD ¹	UNIT
Propylene Oxide (07:00-19:00)	NIOSH 1612/GC-FID	0.30	240	mg/m ³
		0.13	100	ppm
Propylene Oxide (TWA)(07:00-19:00)	NIOSH 1612/GC-FID	0.30	240	mg/m ³
		0.13	100	ppm

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., (Mr. Suttha Songthaninai)

Analysed By SECOT Co.,Ltd.



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By

07/03/2025

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Request No. ATR6802021

Report No. 6802-0182

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 (คุณจตุรงค์ แสงกระจ่าง)
SAMPLING DATE : 14/02/2025 SAMPLE NO. : A68020182
RECEIVED DATE : 17/02/2025 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.01 L/min TESTED DATE : 27/02/2025
Serial No. 218402 REPORTED DATE : 07/03/2025

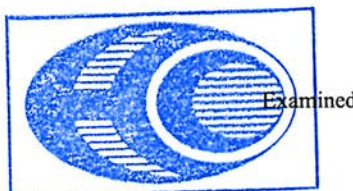
PARAMETER**	TEST METHOD	RESULT ^{/2}	STD ^{/1}	UNIT
Propylene Oxide (07:00-19:00)	NIOSH 1612/GC-FID	ND	240	mg/m ³
		ND	100	ppm
Propylene Oxide (TWA)(07:00-19:00)	NIOSH 1612/GC-FID	ND	240	mg/m ³
		ND	100	ppm

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. Suttha Songthaninai)

Analysed By SECOT Co.,Ltd.



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

07/03/2025

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Request No. ATR6802021

Report No. 6802-0183

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 (คุณเจริญพงษ์ เกษโส)
 SAMPLING DATE : 14/02/2025 SAMPLE NO. : A68020183
 RECEIVED DATE : 17/02/2025 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Personal Pump Flow rate 0.01 L/min TESTED DATE : 27/02/2025
 Serial No. 218444 REPORTED DATE : 07/03/2025

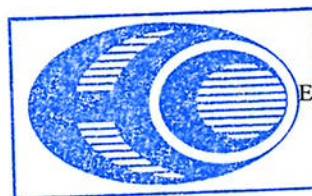
PARAMETER**	TEST METHOD	RESULT ^{/2}	STD ^{/1}	UNIT
Propylene Oxide (07:00-19:00)	NIOSH 1612/GC-FID	ND	240	mg/m ³
		ND	100	ppm
Propylene Oxide (TWA)(07:00-19:00)	NIOSH 1612/GC-FID	ND	240	mg/m ³
		ND	100	ppm

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. Suttha Songthaninai)

Analysed By SECOT Co.,Ltd.



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined

07/03/2025

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Request No. ATR6802021

Report No. 6802-0184

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 : 14/02/2025 SAMPLE NO. : A68020183
RECEIVED DATE : 17/02/2025 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.01 L/min TESTED DATE : 27/02/2025
Serial No. 218388 REPORTED DATE : 07/03/2025

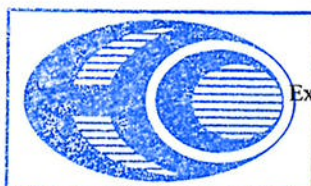
PARAMETER**	TEST METHOD	RESULT ^{/2}	STD ^{/1}	UNIT
Propylene Oxide (07:00-19:00)	NIOSH 1612/GC-FID	ND	240	mg/m ³
		ND	100	ppm
Propylene Oxide (TWA)(07:00-19:00)	NIOSH 1612/GC-FID	ND	240	mg/m ³
		ND	100	ppm

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. Suttha Songthaninai)

Analysed By SECOT Co.,Ltd.



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By

07/03/2025

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Request No. ATR6806051

Report No. 6806-0775

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 (คุณอรธร โกวิท สิงห์โตทอง)
SAMPLING DATE : 10/06/2025 SAMPLE NO. : A68060775
RECEIVED DATE : 13/06/2025 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.01 L/min TESTED DATE : 24/06/2025
Serial No. 218388 REPORTED DATE : 03/07/2025

PARAMETER**	TEST METHOD	RESULT ^{1/2}	STD ^{1/1}	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:^{1/1} Notification of The Department of Labour Protection and Welfare B.E.2560 (2017), Concentration Limits of Hazardous Chemicals.^{1/2} 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 Jutarat Suksaget)

Analysed By SECOT Co.,Ltd.



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By...

03/07/2025

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Request No. ATR6806051

Report No. 6806-0776

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 (คุณวัฒนชัย สุวรรณเมฆ)
SAMPLING DATE : 10/06/2025 SAMPLE NO. : A68060776
RECEIVED DATE : 13/06/2025 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.01 L/min TESTED DATE : 24/06/2025
Serial No. 218405 REPORTED DATE : 03/07/2025

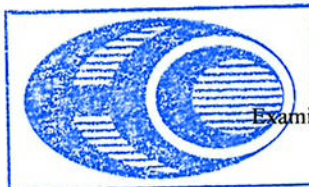
PARAMETER**	TEST METHOD	RESULT ^{/2}	STD ^{/1}	UNIT
Propylene Oxide (07:00-19:00)	NIOSH 1612/GC-FID	ND	240	mg/m ³
		ND	100	ppm
Propylene Oxide (TWA)(07:00-19:00)	NIOSH 1612/GC-FID	ND	240	mg/m ³
		ND	100	ppm

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 Jutarat Suksaget)

Analysed By SECOT Co.,Ltd.



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By

03/07/2025

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Request No. ATR6806051

Report No. 6806-0777

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 ลีตานา)
SAMPLING DATE : 10/06/2025 SAMPLE NO. : A68060777
RECEIVED DATE : 13/06/2025 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.01 L/min TESTED DATE : 24/06/2025
Serial No. 218432 REPORTED DATE : 03/07/2025

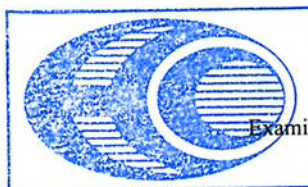
PARAMETER**	TEST METHOD	RESULT ^{/2}	STD ^{/1}	UNIT
Propylene Oxide (07:00-19:00)	NIOSH 1612/GC-FID	ND	240	mg/m ³
		ND	100	ppm
Propylene Oxide (TWA)(07:00-19:00)	NIOSH 1612/GC-FID	ND	240	mg/m ³
		ND	100	ppm

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 Jutarat Suksaget)

Analysed By SECOT Co.,Ltd.



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By

03/07/2025

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Request No. ATR6806051

Report No. 6806-0778

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 (คุณภานุวัฒน์ อินนังแท่น)
SAMPLING DATE : 10/06/2025 SAMPLE NO. : A68060778
RECEIVED DATE : 13/06/2025 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.01 L/min TESTED DATE : 24/06/2025
Serial No. 218385 REPORTED DATE : 03/07/2025

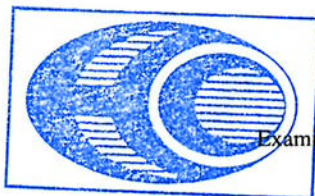
PARAMETER**	TEST METHOD	RESULT ^{/2}	STD ^{/1}	UNIT
Propylene Oxide (07:00-19:00)	NIOSH 1612/GC-FID	ND	240	mg/m ³
		ND	100	ppm
Propylene Oxide (TWA)(07:00-19:00)	NIOSH 1612/GC-FID	ND	240	mg/m ³
		ND	100	ppm

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 Jutarat Suksaget)

Analysed By SECOT Co.,Ltd.



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By

03/07/2025

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Request No. ATR6806084

Report No. 6806-1469

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 (กลุ่มงานระเหย โชนิมณี)
SAMPLING DATE : 24/06/2025 SAMPLE NO. : A68061469
RECEIVED DATE : 27/06/2025 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.01 L/min TESTED DATE : 01/07/2025
Serial No. 218385 REPORTED DATE : 07/07/2025

PARAMETER**	TEST METHOD	RESULT	STD ^{/1}	UNIT
Propylene Oxide (07:00-19:00)	NIOSH 1612/GC-FID	0.45	240	mg/m ³
		0.19	100	ppm
Propylene Oxide (TWA)(07:00-19:00)	NIOSH 1612/GC-FID	0.45	240	mg/m ³
		0.19	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., (Mr. Witchawan Singto)

Analysed By SECOT Co.,Ltd.



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By

07/07/2025

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Request No. LA68-R0229

Report No. R6802-0942

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 Compressors
 PARAMETER* : L_{eq} 1 hr., L_{eq} 12 hr. & L_{max} SAMPLE NO. : 01698
 DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 14/02/2025
 INSTRUMENT : Integrated Sound Level Meter ; RECEIVED DATE : 14/02/2025
 S/N 00222592 : Class 2 REPORTED DATE : 20/02/2025

MEASURING TIME	RESULT		UNIT
	L_{eq} 1 hr.	L_{max}	
09:35-10:35	86.2	89.0	dB(A)
10:35-11:35	86.4	89.0	dB(A)
11:35-12:35	86.1	88.6	dB(A)
12:35-13:35	85.7	88.5	dB(A)
13:35-14:35	85.8	88.6	dB(A)
14:35-15:35	85.8	88.5	dB(A)
15:35-16:35	86.0	88.6	dB(A)
16:35-17:35	86.1	88.6	dB(A)
17:35-18:35	86.5	89.1	dB(A)
18:35-19:35	86.0	88.5	dB(A)
19:35-20:35	85.9	87.9	dB(A)
20:35-21:35	85.8	88.5	dB(A)
L_{eq} 12 hr.	86.0	—	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. Onanong Leewongsak



Approved By

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

20/02/2025

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Request No. LA68-R0508

Report No. R6805-0962

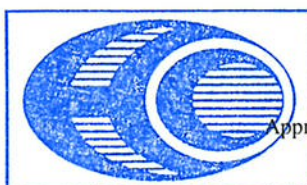
TEST REPORT

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 Compressors
 PARAMETER* : L_{eq} 1 hr., L_{eq} 12 hr. & L_{max} SAMPLE NO. : 10063
 DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 28/04/2025
 INSTRUMENT : Integrated Sound Level Meter ; RECEIVED DATE : 28/04/2025
 S/N 00222594 : Class 2 REPORTED DATE : 08/05/2025

MEASURING TIME	RESULT		UNIT
	L_{eq} 1 hr.	L_{max}	
09:10-10:10	87.0	88.0	dB(A)
10:10-11:10	87.1	87.8	dB(A)
11:10-12:10	87.0	87.8	dB(A)
12:10-13:10	86.9	87.5	dB(A)
13:10-14:10	86.8	87.5	dB(A)
14:10-15:10	86.8	87.5	dB(A)
15:10-16:10	86.8	87.5	dB(A)
16:10-17:10	86.8	87.4	dB(A)
17:10-18:10	87.0	87.5	dB(A)
18:10-19:10	87.1	87.6	dB(A)
19:10-20:10	87.1	87.6	dB(A)
20:10-21:10	87.1	87.5	dB(A)
L_{eq} 12 hr.	87.0	—	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. Onanong Leewongsak



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

08/05/2025

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Request No. LA68-R0643

Report No. R6806-1840

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) (ศูนย์พัสดุภัณฑ์ วิจัย ID 26008179)
 MEASURING DATE : 05/06/2025 SAMPLE NO. : 16096
 RECEIVED DATE : 06/06/2025 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CB1500 REPORTED DATE : 12/06/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	76.4	83 ^{/1}	dB(A)
L _{max} 12 hr	93.1	115 ^{/3}	dB(A)
12 Hour dose	20.61	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	78.1	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
[#] 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. Jutarat Suksaget)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

12/06/2025

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Request No. LA68-R0643

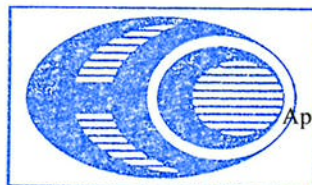
Report No. R6806-1842

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 19
 ADDRESS : 12 Soi G-4, Pakom Songkrohraj Road, Huai Pong Sub-district, Mueang Rayong District, Rayong, 21150
 SAMPLE SOURCE : GC19
 SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift A (Morning Shift) (จุดม่านชะย โซติมณี ID 26009931)
 MEASURING DATE : 05/06/2025 SAMPLE NO. : 16098
 RECEIVED DATE : 06/06/2025 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CB1497 REPORTED DATE : 12/06/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	75.8	83 ^{/1}	dB(A)
L _{max} 12 hr	89.6	115 ^{/3}	dB(A)
12 Hour dose	17.91	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	77.5	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
[#] 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. Jutarat Suksaget)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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12/06/2025

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Request No. LA68-R0643

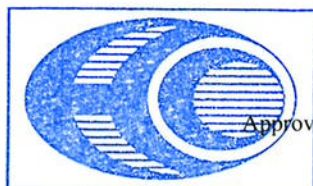
Report No. R6806-1843

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) (คุณเจริญพงษ์ เกษไธ ID 26008178)
 MEASURING DATE : 05/06/2025 SAMPLE NO. : 16099
 RECEIVED DATE : 06/06/2025 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CB1365 REPORTED DATE : 12/06/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	55.0	83 ^{/1}	dB(A)
L _{max} 12 hr	80.9	115 ^{/3}	dB(A)
12 Hour dose	0.15	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	56.8	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
[#] 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. Jutarat Suksaget)



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12/06/2025

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Request No. LA68-R0643

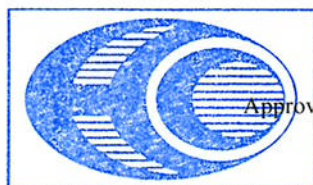
Report No. R6806-1844

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) (คุณทัศนเทพ รัตนโสภา ID 26008180)
MEASURING DATE : 05/06/2025 SAMPLE NO. : 16100
RECEIVED DATE : 06/06/2025 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Noise dosimeter : S/N CB1499 REPORTED DATE : 12/06/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	53.2	83 ^{/1}	dB(A)
L _{max} 12 hr	81.9	115 ^{/3}	dB(A)
12 Hour dose	0.10	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	55.0	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
[#] 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. Jutarat Suksaget)



Approved By

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

12/06/2025

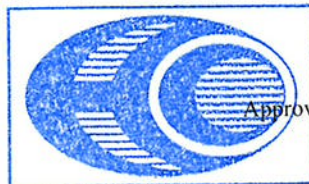
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TEST REPORT

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
 SAMPLE SOURCE : GC19
 SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift A (Night Shift) (คุณธีระเดช แสงเดช ID 26008020)
 MEASURING DATE : 27-28/06/2025 SAMPLE NO. : 19890
 RECEIVED DATE : 28/06/2025 SAMPLING TIME : 19:00-07:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CA8888 REPORTED DATE : 03/07/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	73.7	83 ^{/1}	dB(A)
L _{max} 12 hr	90.2	115 ^{/3}	dB(A)
12 Hour dose	11.00	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	75.4	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
[#] 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

03/07/2025

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Request No. LA68-R0675

Report No. R6806-3472

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) (คุณอรุณโกวิท สิงห์โตทอง ID 26008184)
 MEASURING DATE : 10/06/2025 SAMPLE NO. : 17652
 RECEIVED DATE : 11/06/2025 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0644 REPORTED DATE : 18/06/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	79.5	83 ^{/1}	dB(A)
L _{max} 12 hr	96.8	115 ^{/3}	dB(A)
12 Hour dose	41.83	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	81.2	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
- [#] 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. Jutarat Suksaget)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

18/06/2025

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Request No. LA68-R0675

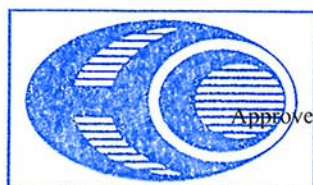
Report No. R6806-3473

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) (คุณวัฒนชัย สุวรรณเมฆ ID 26008185)
 MEASURING DATE : 10/06/2025 SAMPLE NO. : 17653
 RECEIVED DATE : 11/06/2025 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0640 REPORTED DATE : 18/06/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	75.4	83 ^{/1}	dB(A)
L _{max} 12 hr	92.2	115 ^{/3}	dB(A)
12 Hour dose	16.33	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	77.1	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
[#] 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. Jutarat Suksaget)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

18/06/2025

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Request No. LA68-R0675

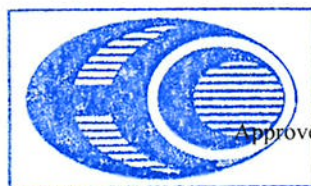
Report No. R6806-3474

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 : 10/06/2025 SAMPLE NO. : 17654
 RECEIVED DATE : 11/06/2025 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0641 REPORTED DATE : 18/06/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	73.9	83 ^{/1}	dB(A)
L _{max} 12 hr	91.6	115 ^{/3}	dB(A)
12 Hour dose	11.64	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	75.7	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
[#] 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. Jutarat Suksaget)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By..

18/06/2025

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Request No. LA68-R0707

Report No. R6807-0089

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 นุ่มนัม ID 26008019)
 MEASURING DATE : 27/06/2025 SAMPLE NO. : 19889
 RECEIVED DATE : 28/06/2025 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CA8887 REPORTED DATE : 03/07/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	66.3	83 ^{/1}	dB(A)
L _{max} 12 hr	89.8	115 ^{/3}	dB(A)
12 Hour dose	2.01	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	68.0	85 ^{/1}	dB(A)

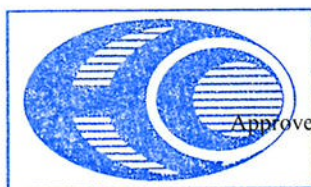
REMARK :

^{/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

[#] 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)



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Approved By

03/07/2025

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Request No. LA68-R0675

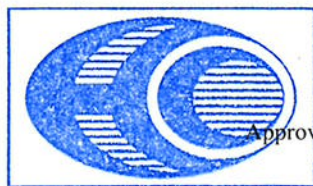
Report No. R6806-3475

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 : 11/06/2025 SAMPLE NO. : 17655
 RECEIVED DATE : 11/06/2025 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0641 REPORTED DATE : 18/06/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	69.8	83 ^{/1}	dB(A)
L _{max} 12 hr	87.4	115 ^{/3}	dB(A)
12 Hour dose	4.49	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	71.5	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
[#] 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. Jutarat Suksaget)



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18/06/2025

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Request No. LA68-R0675

Report No. R6806-3477

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) (คุณฐิติกร เทิงสูงเนิน ID 26008177)
MEASURING DATE : 11/06/2025 SAMPLE NO. : 17657
RECEIVED DATE : 11/06/2025 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0640 REPORTED DATE : 18/06/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	75.7	83 ^{/1}	dB(A)
L _{max} 12 hr	99.3	115 ^{/3}	dB(A)
12 Hour dose	17.58	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	77.5	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
[#] 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. Jutarat Suksaget)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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18/06/2025

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Request No. LA68-R0675

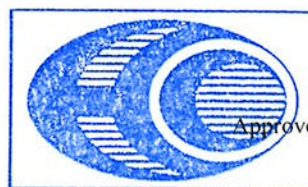
Report No. R6806-3478

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 : 11/06/2025 SAMPLE NO. : 17658
 RECEIVED DATE : 11/06/2025 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0644 REPORTED DATE : 18/06/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	64.4	83 ^{/1}	dB(A)
L _{max} 12 hr	91.0	115 ^{/3}	dB(A)
12 Hour dose	1.31	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	66.2	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
[#] 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. Jutarat Suksaget)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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18/06/2025

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Request No. LA68-R0720

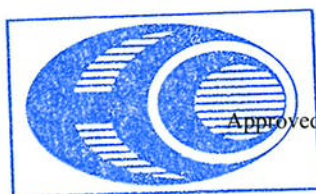
Report No. R6807-0948

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 : 30/06/2025 SAMPLE NO. : 20749
RECEIVED DATE : 01/07/2025 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0954 REPORTED DATE : 05/07/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	66.2	83 ^{/1}	dB(A)
L _{max} 12 hr	85.8	115 ^{/3}	dB(A)
12 Hour dose	1.99	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	68.0	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
[#] 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. Jutarat Suksaget)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

05/07/2025

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Request No. LA68-R0720

Report No. R6807-0949

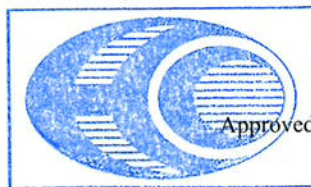
TEST REPORT

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 : 30/06/2025 SAMPLE NO. : 20750
 RECEIVED DATE : 01/07/2025 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0955 REPORTED DATE : 05/07/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	62.7	83 ^{/1}	dB(A)
L _{max} 12 hr	77.1	115 ^{/3}	dB(A)
12 Hour dose	0.88	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	64.4	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[#] 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. Jutarat Suksaget)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

05/07/2025

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Request No. LA68-R0643

Report No. R6806-1841

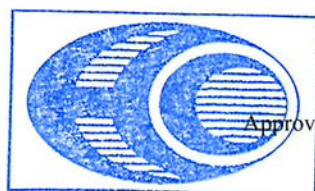
TEST REPORT

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) (อุทยานอุตสาหกรรม อินทร์แท่น ID 26008189)
 MEASURING DATE : 05/06/2025 SAMPLE NO. : 16097
 RECEIVED DATE : 06/06/2025 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CB1498 REPORTED DATE : 12/06/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	53.2	83 ^{/1}	dB(A)
L _{max} 12 hr	81.6	115 ^{/3}	dB(A)
12 Hour dose	0.10	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	55.0	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
- [#] 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. Jutarat Suksaget)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

12/06/2025

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Request No. LA68-R0643

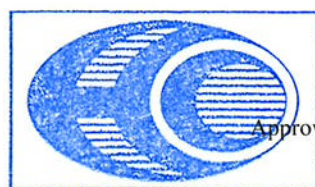
Report No. R6806-1845

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 ประเสริฐคำ ID 26008171)
MEASURING DATE : 06/06/2025 SAMPLE NO. : 16101
RECEIVED DATE : 06/06/2025 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Noise dosimeter : S/N CB1498 REPORTED DATE : 12/06/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	63.1	83 ^{/1}	dB(A)
L _{max} 12 hr	83.4	115 ^{/3}	dB(A)
12 Hour dose	0.97	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	64.9	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
[#] 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. Jutarat Suksaget)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved

12/06/2025

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Request No. LA68-R0643

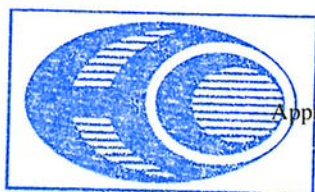
Report No. R6806-1846

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) (คุณสมบัติคำภาพพจน์ ID 26008172)
 MEASURING DATE : 06/06/2025 SAMPLE NO. : 16102
 RECEIVED DATE : 06/06/2025 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CB1499 REPORTED DATE : 12/06/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	73.5	83 ^{/1}	dB(A)
L _{max} 12 hr	92.6	115 ^{/3}	dB(A)
12 Hour dose	10.58	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	75.2	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
[#] 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. Jutarat Suksaget)



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12/06/2025

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Request No. LA68-R06127

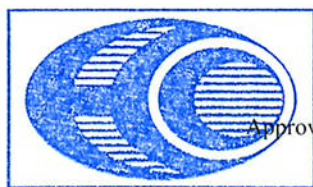
Report No. R6806-4931

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) (จุดตรวจวัดแสงกระจ่าง ID 26008173)
 MEASURING DATE : 25/06/2025 SAMPLE NO. : 19127
 RECEIVED DATE : 25/06/2025 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0641 REPORTED DATE : 30/06/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	79.3	83 ^{/1}	dB(A)
L _{max} 12 hr	103.7	115 ^{/3}	dB(A)
12 Hour dose	40.41	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	81.1	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
[#] 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)



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Approved By

30/06/2025

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Request No. LA68-R0720

Report No. R6807-0950

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 (Night Shift) (คุณนารากร สูดสายดา ID 26008186)
 MEASURING DATE : 30/06/2025 - 01/07/2025 SAMPLE NO. : 20751
 RECEIVED DATE : 01/07/2025 SAMPLING TIME : 19:00-07:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0958 REPORTED DATE : 05/07/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	64.5	83 ^{/1}	dB(A)
L _{max} 12 hr	79.9	115 ^{/3}	dB(A)
12 Hour dose	1.34	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	66.3	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
[#] 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. Jutarat Suksaget)



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05/07/2025

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