

ภาคผนวก ค

ผลการติดตามตรวจสอบผลกระทบสิ่งแวดล้อม

ภาคผนวก ค.1

ผลการติดตามตรวจสอบ (ตามมาตรการฯ)



Request No. LA69-0444

Report No. 5905-0041

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch16
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut,
Amphur Muang Rayong, Rayong 21150
SAMPLE SOURCE : EA Plant
SAMPLE POINT : ปล่อง Ammonia Vent Scrubber
SAMPLING DATE : 22/04/2026
RECEIVED DATE : 24/04/2026
TESTED DATE : 24/04/2026 - 09/05/2026
STACK DESCRIPTION
Height : 14.00 m
Diameter : 0.15 m
Temperature : 36.00 °C
Air Velocity : 1.57 m/s
Flow rate² : 0.03 m³/s
Moisture Content : 2.79 %
Type of Process : Exhaust
Type of Fuel :
Oxygen Content : 20.90 %
Barometric Pressure : 756.25 mmHg
Atmospheric Temperature : 35.00 °C

PARAMETER	TEST METHOD	TIME	RESULT ²	STD ¹	UNIT
Ammonia ³	U.S.EPA Method CTM 027	10:00-10:55	0.039	35	mg/m ³
(NH ₃)			0.056	50	ppm

REMARK:

- ¹ กำหนดตามรายงานการประเมินผลกระทบสิ่งแวดล้อม (EIA)
- ² Standard Condition (Temperature 25°C, Pressure 760 mmHg) and Dry Basis
- ³ Sampling by Eastern Thai Consulting 1992 Co.,Ltd. (Mr. Audomsub Jenjobjng)

Analysed By SECOT Co.,Ltd.

Sampling at UTM 47P 731282E 1404902N



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

(MR. THONGCHAI BOONSAK)

11/05/2026

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COPY



EASTERN THAI CONSULTING 1992 CO., LTD.

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



NSC-TISI-TIS 17025
TESTING 1712
Request No. LA69-R06104
Report No. R6906-5788

TEST REPORT

CUSTOMER	PTT Global Chemical Public Company Limited Branch 16**		SAMPLE NO.	20586
ADDRESS	9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road. Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**		MEASURING DATE	04-05/06/2026
SAMPLE SOURCE	EA Plant**		RECEIVED DATE	11/06/2026
SAMPLE POINT*	ปล่องควันวัดด้านทิศใต้**		REPORTED DATE	22/06/2026
PARAMETER*	L _{eq} 1 hr., L _{eq} 24 hr., L _{max} , L _{avg} * & L _{avg} **			
DETERMINATION METHOD	ISO 1996-1:2016#6			
INSTRUMENT	Integrated Sound Level Meter S/N 00230994 : Class 1			
TIME \ DATE	04-05/06/2026 (L _{eq})	04-05/06/2026 (L _{max})	04-05/06/2026 (L _{avg})	UNIT
09:00 - 10:00 ¹	66.7	92.5	62.9	dB(A)
10:00 - 11:00	64.8	88.3	62.9	dB(A)
11:00 - 12:00	66.5	87.6	62.0	dB(A)
12:00 - 13:00	60.6	81.6	58.8	dB(A)
13:00 - 14:00	64.7	79.9	63.7	dB(A)
14:00 - 15:00	65.0	89.5	63.7	dB(A)
15:00 - 16:00	62.2	81.6	61.1	dB(A)
16:00 - 17:00	62.4	83.1	61.0	dB(A)
17:00 - 18:00	63.3	82.3	61.4	dB(A)
18:00 - 19:00	62.2	90.2	60.5	dB(A)
19:00 - 20:00	58.1	62.7	57.5	dB(A)
20:00 - 21:00	57.8	61.2	57.3	dB(A)
21:00 - 22:00	58.3	63.8	57.6	dB(A)
22:00 - 23:00	58.5	61.8	57.9	dB(A)
23:00 - 00:00	58.7	63.6	58.0	dB(A)
00:00 - 01:00	58.7	71.3	58.0	dB(A)
01:00 - 02:00	58.5	62.9	57.9	dB(A)
02:00 - 03:00	58.4	72.0	57.8	dB(A)
03:00 - 04:00	58.3	65.4	57.7	dB(A)
04:00 - 05:00	58.4	69.8	57.7	dB(A)
05:00 - 06:00	58.3	68.3	57.7	dB(A)
06:00 - 07:00	58.7	69.8	57.6	dB(A)
07:00 - 08:00	59.3	72.4	58.2	dB(A)
08:00 - 09:00	65.6	84.7	63.0	dB(A)
L _{eq} 24 hr.	62.2	-	-	dB(A)
L _{avg} **	66.1	-	-	dB(A)
Maximum	-	92.5	-	dB(A)
Standard	70 ¹ , 70 ²	115 ¹ , 115 ²	-	dB(A)

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

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

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

³ Start Time

* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Ms. Thanaporn Klinson is Section Head, Mrs. Wanpen Lachochindawat is Assistant Section Head, and Mr. Sutha Songthaninai is Measurement By Mr. Sutha Songthaninai)

** These Data are Non Laboratory Data



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

(MRS. WANPEN LACHOCHINDAWAT)

22/06/2026

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FM-LAB-036/01-08-47



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NSC-TISI-TIS 17025
TESTING 1712
Request No. LA69-R06104
Report No. R6906-5789

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16**
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorad Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**
SAMPLE SOURCE : EA Plant**
SAMPLE POINT : บริเวณโรงบำบัดน้ำเสีย**
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{50} #
DETERMINATION METHOD : ISO 1996-1:2016##
INSTRUMENT : Integrated Sound Level Meter
S/N 00230994 : Class I

SAMPLE NO. : 20587
MEASURING DATE : 05-06/06/2026
RECEIVED DATE : 11/06/2026
REPORTED DATE : 22/06/2026

TIME \ DATE	05-06/06/2026 (L_{eq})	05-06/06/2026 (L_{max})	05-06/06/2026 (L_{90})#	UNIT
09:00 - 10:00 ¹⁾	65.0	90.1	63.1	dB(A)
10:00 - 11:00	66.3	86.2	64.1	dB(A)
11:00 - 12:00	63.6	82.3	61.1	dB(A)
12:00 - 13:00	63.7	83.6	62.5	dB(A)
13:00 - 14:00	63.6	88.9	61.4	dB(A)
14:00 - 15:00	63.6	83.3	61.3	dB(A)
15:00 - 16:00	63.7	82.6	61.2	dB(A)
16:00 - 17:00	61.6	81.3	60.6	dB(A)
17:00 - 18:00	62.4	79.4	61.0	dB(A)
18:00 - 19:00	59.7	78.8	58.5	dB(A)
19:00 - 20:00	58.2	76.5	57.4	dB(A)
20:00 - 21:00	58.1	62.2	57.5	dB(A)
21:00 - 22:00	58.5	68.2	57.8	dB(A)
22:00 - 23:00	58.3	65.7	57.6	dB(A)
23:00 - 00:00	58.2	69.0	57.6	dB(A)
00:00 - 01:00	57.8	61.1	57.3	dB(A)
01:00 - 02:00	57.6	63.7	57.1	dB(A)
02:00 - 03:00	57.6	61.9	57.1	dB(A)
03:00 - 04:00	57.7	62.3	57.1	dB(A)
04:00 - 05:00	57.4	62.4	56.9	dB(A)
05:00 - 06:00	57.7	66.3	57.1	dB(A)
06:00 - 07:00	57.9	73.1	57.0	dB(A)
07:00 - 08:00	58.3	78.4	57.2	dB(A)
08:00 - 09:00	63.5	87.2	60.9	dB(A)
L_{eq} 24 hr.	61.4	-	-	dB(A)
L_{90} #	65.4	-	-	dB(A)
Maximum	-	90.1	-	dB(A)
Standard	70^1 , 70^2	115^1 , 115^2	-	dB(A)

REMARK : * Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory
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³⁾ Start Time
* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Mrs. Thanaporn Klinasopon is Section Head, Mrs. Wanpen Lhaochindawat is Quality Management)
(Measurement By Mr. Suttha Songthaninai)
** These Data are Non Laboratory Data



Approved By :
(MRS. WANPEN LHAOCHINDAWAT)
22/06/2026

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NSC-TISI-TIS 17025
TESTING 1712
Request No. LA69-R06104
Report No. R6906-5790

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16**
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorad Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**
SAMPLE SOURCE : EA Plant**
SAMPLE POINT : บริเวณโรงบำบัดน้ำเสีย**
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{50} #
DETERMINATION METHOD : ISO 1996-1:2016##
INSTRUMENT : Integrated Sound Level Meter
S/N 00230994 : Class I

SAMPLE NO. : 20588
MEASURING DATE : 06-07/06/2026
RECEIVED DATE : 11/06/2026
REPORTED DATE : 22/06/2026

TIME \ DATE	06-07/06/2026 (L_{eq})	06-07/06/2026 (L_{max})	06-07/06/2026 (L_{90})#	UNIT
09:00 - 10:00 ¹⁾	64.0	87.9	61.5	dB(A)
10:00 - 11:00	62.5	90.3	60.9	dB(A)
11:00 - 12:00	61.9	85.3	59.8	dB(A)
12:00 - 13:00	62.2	86.0	59.9	dB(A)
13:00 - 14:00	63.1	81.5	61.6	dB(A)
14:00 - 15:00	62.7	87.0	60.5	dB(A)
15:00 - 16:00	61.5	82.9	60.5	dB(A)
16:00 - 17:00	59.2	69.3	58.4	dB(A)
17:00 - 18:00	58.7	74.9	57.7	dB(A)
18:00 - 19:00	58.8	73.1	57.8	dB(A)
19:00 - 20:00	58.2	61.9	57.5	dB(A)
20:00 - 21:00	57.8	65.2	57.3	dB(A)
21:00 - 22:00	57.9	60.7	57.3	dB(A)
22:00 - 23:00	57.7	62.3	57.2	dB(A)
23:00 - 00:00	57.7	63.7	57.2	dB(A)
00:00 - 01:00	57.9	64.2	57.3	dB(A)
01:00 - 02:00	57.4	59.6	56.9	dB(A)
02:00 - 03:00	57.4	60.7	56.9	dB(A)
03:00 - 04:00	57.0	64.5	56.6	dB(A)
04:00 - 05:00	57.5	63.7	57.0	dB(A)
05:00 - 06:00	57.4	61.6	56.9	dB(A)
06:00 - 07:00	57.9	77.5	57.0	dB(A)
07:00 - 08:00	57.8	78.3	57.1	dB(A)
08:00 - 09:00	58.3	67.6	57.6	dB(A)
L_{eq} 24 hr.	59.9	-	-	dB(A)
L_{90} #	64.6	-	-	dB(A)
Maximum	-	90.3	-	dB(A)
Standard	70^1 , 70^2	115^1 , 115^2	-	dB(A)

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²⁾ Notification of Ministry of the Industry B.E. 2548 (2005)
³⁾ Start Time
* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Mrs. Thanaporn Klinasopon is Section Head, Mrs. Wanpen Lhaochindawat is Quality Management)
(Measurement By Mr. Suttha Songthaninai)
** These Data are Non Laboratory Data



Approved By :
(MRS. WANPEN LHAOCHINDAWAT)
22/06/2026

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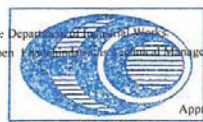


TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16**
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phu) Pakom Songkhraorad Road,
Tambon Map Ta Phu, Amphur Muang Rayong, Rayong 21150**
SAMPLE SOURCE : EA Plant**
SAMPLE POINT : บริเวณบริเวณด้านทิศใต้**
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{eq} & L_{max}
DETERMINATION METHOD : ISO 1996-1:2016**
INSTRUMENT : Integrated Sound Level Meter
S/N 00230994 - Class 1

TIME \ DATE	07-08/06/2026 (L_{eq})	07-08/06/2026 (L_{max})	07-08/06/2026 (L_{eq})	UNIT
09:00 - 10:00 ²⁾	59.6	72.6	57.9	dB(A)
10:00 - 11:00	58.3	63.7	57.6	dB(A)
11:00 - 12:00	58.1	71.7	57.3	dB(A)
12:00 - 13:00	58.4	73.6	57.7	dB(A)
13:00 - 14:00	58.2	68.2	57.5	dB(A)
14:00 - 15:00	58.1	72.0	57.5	dB(A)
15:00 - 16:00	57.8	73.5	57.2	dB(A)
16:00 - 17:00	58.0	65.2	57.4	dB(A)
17:00 - 18:00	57.9	71.0	57.2	dB(A)
18:00 - 19:00	58.1	73.8	57.4	dB(A)
19:00 - 20:00	57.5	69.5	57.0	dB(A)
20:00 - 21:00	57.3	61.8	56.8	dB(A)
21:00 - 22:00	58.0	65.2	57.3	dB(A)
22:00 - 23:00	58.1	66.0	57.6	dB(A)
23:00 - 00:00	57.7	60.9	57.2	dB(A)
00:00 - 01:00	57.3	72.1	56.8	dB(A)
01:00 - 02:00	57.7	64.6	57.2	dB(A)
02:00 - 03:00	57.6	62.6	57.1	dB(A)
03:00 - 04:00	57.5	60.1	57.1	dB(A)
04:00 - 05:00	57.4	60.2	56.9	dB(A)
05:00 - 06:00	57.6	70.2	57.0	dB(A)
06:00 - 07:00	58.2	74.7	57.3	dB(A)
07:00 - 08:00	59.4	82.5	58.0	dB(A)
08:00 - 09:00	64.6	82.2	63.0	dB(A)
L_{eq} 24 hr.	58.6	-	-	dB(A)
L_{max}	64.3	-	-	dB(A)
Maximum	-	82.5	-	dB(A)
Standard	70 ¹⁾ , 70 ²⁾	115 ¹⁾ , 115 ²⁾	-	dB(A)

REMARK : * Test Report/Sampling marked "Not TISI Accredited" in this report are not included in the TISI Accreditation Schedule for our laboratory
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³⁾ Start Time
* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Ms. Thanaporn Klinasopon is Section Head, Mrs. Wanpen (Ms. Wanpen) is in Charge of Quality Management)
(Measurement By Mr. Suttha Songthamini)
** These Data are Non Laboratory Data



Approved By: (MRS. WANPEN I. HACHINDAWAT)
22/06/2026

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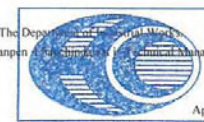


TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16**
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phu) Pakom Songkhraorad Road,
Tambon Map Ta Phu, Amphur Muang Rayong, Rayong 21150**
SAMPLE SOURCE : EA Plant**
SAMPLE POINT : บริเวณบริเวณด้านทิศใต้**
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{eq} & L_{max}
DETERMINATION METHOD : ISO 1996-1:2016**
INSTRUMENT : Integrated Sound Level Meter
S/N 00230994 - Class 1

TIME \ DATE	08-09/06/2026 (L_{eq})	08-09/06/2026 (L_{max})	08-09/06/2026 (L_{eq})	UNIT
09:00 - 10:00 ²⁾	66.7	86.0	64.3	dB(A)
10:00 - 11:00	65.5	89.7	63.5	dB(A)
11:00 - 12:00	64.6	83.1	61.9	dB(A)
12:00 - 13:00	64.2	89.7	60.9	dB(A)
13:00 - 14:00	63.4	87.1	61.5	dB(A)
14:00 - 15:00	65.3	89.9	61.5	dB(A)
15:00 - 16:00	67.2	95.6	61.9	dB(A)
16:00 - 17:00	61.1	85.6	59.3	dB(A)
17:00 - 18:00	59.5	78.6	58.3	dB(A)
18:00 - 19:00	59.2	88.2	57.9	dB(A)
19:00 - 20:00	58.5	66.0	57.9	dB(A)
20:00 - 21:00	58.2	62.3	57.7	dB(A)
21:00 - 22:00	58.1	62.7	57.7	dB(A)
22:00 - 23:00	57.8	61.5	57.4	dB(A)
23:00 - 00:00	57.8	61.7	57.3	dB(A)
00:00 - 01:00	57.6	61.5	57.2	dB(A)
01:00 - 02:00	57.6	60.9	57.2	dB(A)
02:00 - 03:00	57.8	62.4	57.3	dB(A)
03:00 - 04:00	57.6	60.0	57.2	dB(A)
04:00 - 05:00	57.7	61.7	57.2	dB(A)
05:00 - 06:00	57.5	61.6	57.1	dB(A)
06:00 - 07:00	58.1	69.3	57.3	dB(A)
07:00 - 08:00	58.8	76.1	58.0	dB(A)
08:00 - 09:00	64.9	82.8	62.7	dB(A)
L_{eq} 24 hr.	62.1	-	-	dB(A)
L_{max}	65.6	-	-	dB(A)
Maximum	-	95.6	-	dB(A)
Standard	70 ¹⁾ , 70 ²⁾	115 ¹⁾ , 115 ²⁾	-	dB(A)

REMARK : * Test Report/Sampling marked "Not TISI Accredited" in this report are not included in the TISI Accreditation Schedule for our laboratory
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(Ms. Thanaporn Klinasopon is Section Head, Mrs. Wanpen (Ms. Wanpen) is in Charge of Quality Management)
(Measurement By Mr. Suttha Songthamini)
** These Data are Non Laboratory Data



Approved By: (MRS. WANPEN I. HACHINDAWAT)
22/06/2026

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EASTERN THAI CONSULTING 1992 CO., LTD.

883 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



NSC-TISI-TIS 17025
TESTING 1712
Request No. LA69-R06104
Report No. R6906-5793

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16**
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhroorad Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**
SAMPLE SOURCE : EA Plant**
SAMPLE POINT : บริเวณวัดวัดบ้านใหม่ใต้**
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{min} & L_{avg}
DETERMINATION METHOD : ISO 1996-1:2016**
INSTRUMENT : Integrated Sound Level Meter
S/N 00230994 : Class I

SAMPLE NO. : 20591
MEASURING DATE : 09-10/06/2026
RECEIVED DATE : 11/06/2026
REPORTED DATE : 22/06/2026

TIME \ DATE	09-10/06/2026 (L_{eq})	09-10/06/2026 (L_{max})	09-10/06/2026 (L_{avg})	UNIT
09:00 - 10:00	64.6	84.6	63.2	dB(A)
10:00 - 11:00	64.0	88.9	62.2	dB(A)
11:00 - 12:00	61.6	92.8	59.6	dB(A)
12:00 - 13:00	59.4	73.0	58.4	dB(A)
13:00 - 14:00	62.6	81.6	60.7	dB(A)
14:00 - 15:00	62.6	79.2	60.8	dB(A)
15:00 - 16:00	63.1	77.8	61.4	dB(A)
16:00 - 17:00	62.1	87.5	59.4	dB(A)
17:00 - 18:00	61.4	82.6	60.5	dB(A)
18:00 - 19:00	61.2	73.1	60.5	dB(A)
19:00 - 20:00	59.2	67.3	58.6	dB(A)
20:00 - 21:00	57.9	63.1	57.4	dB(A)
21:00 - 22:00	57.4	65.0	56.9	dB(A)
22:00 - 23:00	58.0	65.0	57.5	dB(A)
23:00 - 00:00	57.9	62.8	57.4	dB(A)
00:00 - 01:00	57.7	62.4	57.2	dB(A)
01:00 - 02:00	57.9	63.0	57.4	dB(A)
02:00 - 03:00	57.6	61.2	57.2	dB(A)
03:00 - 04:00	57.6	64.7	57.1	dB(A)
04:00 - 05:00	57.6	63.6	57.0	dB(A)
05:00 - 06:00	57.5	63.1	57.0	dB(A)
06:00 - 07:00	58.5	72.0	57.5	dB(A)
07:00 - 08:00	59.0	78.3	57.9	dB(A)
08:00 - 09:00	67.3	86.5	63.7	dB(A)
L_{eq} 24 hr.	61.2	-	-	dB(A)
L_{avg}	65.2	-	-	dB(A)
Maximum	-	92.8	-	dB(A)
Standard	70^1 , 70^2	115^1 , 115^2	-	dB(A)

REMARK : * Test Report/Sampling marked "Not TISI Accredited" in this report are not included in the TISI Accreditation Schedule for our laboratory
** ISO 1996-1:2016, Notification of The Department of Industrial Works on Methods for Measuring Noise Annoyance, Noise Level 24-Hour Average and Maximum Noise Level From Factory B.E. 2567 (2024), Dated February 21, 2024, Notification of The National Environmental Board Volume 15 B.E. 2540 (1997) on The General Noise Level Standards, Dated April 3, 1997, Notification of The Pollution Control Department on The Calculation of The Noise Level, Dated November 25, 1997
^1 Notification of The National Environmental Board Volume 15 B.E. 2540 (1997)
^2 Notification of Ministry of the Industry B.E. 2548 (2005)
^3 Start Time
* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Ms. Thanaporn Klinsonon is Section Head, Mrs. Wanpen Lhaochindawat is Assistant Management)
(Measurement By Mr. Suttha Songthaninai)
** These Data are Non Laboratory Data



Approved By :
(MRS. WANPEN LHAOCHINDAWAT)
22/06/2026

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NSC-TISI-TIS 17025
TESTING 1712
Request No. LA69-R06104
Report No. R6906-5794

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16**
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhroorad Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**
SAMPLE SOURCE : EA Plant**
SAMPLE POINT : บริเวณวัดวัดบ้านใหม่ใต้**
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{min} & L_{avg}
DETERMINATION METHOD : ISO 1996-1:2016**
INSTRUMENT : Integrated Sound Level Meter
S/N 00230994 : Class I

SAMPLE NO. : 20592
MEASURING DATE : 10-11/06/2026
RECEIVED DATE : 11/06/2026
REPORTED DATE : 22/06/2026

TIME \ DATE	10-11/06/2026 (L_{eq})	10-11/06/2026 (L_{max})	10-11/06/2026 (L_{avg})	UNIT
09:00 - 10:00	65.6	90.5	62.8	dB(A)
10:00 - 11:00	66.8	84.3	63.7	dB(A)
11:00 - 12:00	67.5	99.0	60.1	dB(A)
12:00 - 13:00	66.5	90.1	64.3	dB(A)
13:00 - 14:00	64.7	88.7	62.9	dB(A)
14:00 - 15:00	64.8	88.6	61.3	dB(A)
15:00 - 16:00	65.1	84.7	61.2	dB(A)
16:00 - 17:00	62.2	72.1	60.8	dB(A)
17:00 - 18:00	62.7	82.2	60.8	dB(A)
18:00 - 19:00	62.4	80.7	59.1	dB(A)
19:00 - 20:00	57.8	63.5	57.2	dB(A)
20:00 - 21:00	57.8	64.3	57.2	dB(A)
21:00 - 22:00	57.7	62.9	57.2	dB(A)
22:00 - 23:00	57.6	68.7	57.1	dB(A)
23:00 - 00:00	57.2	62.5	56.8	dB(A)
00:00 - 01:00	57.2	72.6	56.5	dB(A)
01:00 - 02:00	57.0	65.1	56.6	dB(A)
02:00 - 03:00	57.4	70.6	56.9	dB(A)
03:00 - 04:00	56.9	59.2	56.5	dB(A)
04:00 - 05:00	56.6	59.1	56.2	dB(A)
05:00 - 06:00	56.4	63.8	55.9	dB(A)
06:00 - 07:00	57.5	77.8	56.5	dB(A)
07:00 - 08:00	58.1	73.6	57.1	dB(A)
08:00 - 09:00	66.0	90.1	62.4	dB(A)
L_{eq} 24 hr.	62.6	-	-	dB(A)
L_{avg}	65.5	-	-	dB(A)
Maximum	-	99.0	-	dB(A)
Standard	70^1 , 70^2	115^1 , 115^2	-	dB(A)

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



Approved By :
(MRS. WANPEN LHAOCHINDAWAT)
22/06/2026

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TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16**
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phu), Pakom Songkhraorot Road,
Tambon Map Ta Phu, Amphur Muang Rayong, Rayong 21150**
SAMPLE SOURCE : EA Plant**
SAMPLE POINT : บริเวณโรงบำบัดน้ำเสีย**
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{eq} & L_{eq}
DETERMINATION METHOD : ISO 1996-1:2016**
INSTRUMENT : Integrated Sound Level Meter
S/N 00741217 : Class 1

SAMPLE NO. : 20579
MEASURING DATE : 04-05/06/2026
RECEIVED DATE : 11/06/2026
REPORTED DATE : 22/06/2026

TIME \ DATE	04-05/06/2026 (L_{eq})	04-05/06/2026 (L_{max})	04-05/06/2026 (L_{eq})	UNIT
09:00 - 10:00 ¹⁾	65.8	72.0	65.4	dB(A)
10:00 - 11:00	65.7	68.1	65.2	dB(A)
11:00 - 12:00	66.1	74.0	65.4	dB(A)
12:00 - 13:00	66.0	68.7	65.6	dB(A)
13:00 - 14:00	65.9	70.9	65.4	dB(A)
14:00 - 15:00	65.7	69.6	65.2	dB(A)
15:00 - 16:00	65.9	72.8	65.3	dB(A)
16:00 - 17:00	66.1	70.5	65.6	dB(A)
17:00 - 18:00	66.1	68.3	65.7	dB(A)
18:00 - 19:00	66.0	68.1	65.5	dB(A)
19:00 - 20:00	66.0	69.4	65.6	dB(A)
20:00 - 21:00	65.9	67.7	65.3	dB(A)
21:00 - 22:00	66.0	68.1	65.6	dB(A)
22:00 - 23:00	66.0	68.3	65.7	dB(A)
23:00 - 00:00	66.0	68.2	65.7	dB(A)
00:00 - 01:00	66.1	68.9	65.8	dB(A)
01:00 - 02:00	66.1	68.6	65.7	dB(A)
02:00 - 03:00	66.0	67.9	65.6	dB(A)
03:00 - 04:00	66.0	68.6	65.7	dB(A)
04:00 - 05:00	66.0	67.7	65.6	dB(A)
05:00 - 06:00	66.0	68.2	65.6	dB(A)
06:00 - 07:00	66.0	69.1	65.6	dB(A)
07:00 - 08:00	66.0	70.3	65.7	dB(A)
08:00 - 09:00	65.9	67.9	65.5	dB(A)
L_{eq} 24 hr.	66.0	-	-	dB(A)
L_{eq}	72.4	-	-	dB(A)
Maximum	-	74.0	-	dB(A)
Standard	$70^1, 70^2$	$115^1, 115^2$	-	dB(A)

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

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

³⁾ Start Time

* Parameter Outside The Scope of The Registration of The Department of Industrial Works on Methods for Measuring Noise Annoyance, Noise Level 24-Hour Average and Maximum Noise Level From Factory B.E. 2567 (2024), Dated February 21, 2024, Notification of The National Environmental Board Volume 15 B.E. 2540 (1997) on The General Noise Level Standards, Dated April 3, 1997, Notification of The Pollution Control Department on The Calculation of The Noise Level, Dated November 25, 1997
(Ms. Thanaporn Klinsonon is Section Head, Mrs. Wanpen Lhaochindawat is in Charge of Management)
(Measurement By Mr. Suttha Songthaninai)

** These Data are Non Laboratory Data



Approved By (MRS. WANPEN LHAOCHINDAWAT)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

22/06/2026

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TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16**
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phu), Pakom Songkhraorot Road,
Tambon Map Ta Phu, Amphur Muang Rayong, Rayong 21150**
SAMPLE SOURCE : EA Plant**
SAMPLE POINT : บริเวณโรงบำบัดน้ำเสีย**
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{eq} & L_{eq}
DETERMINATION METHOD : ISO 1996-1:2016**
INSTRUMENT : Integrated Sound Level Meter
S/N 00741217 : Class 1

SAMPLE NO. : 20580
MEASURING DATE : 05-06/06/2026
RECEIVED DATE : 11/06/2026
REPORTED DATE : 22/06/2026

TIME \ DATE	05-06/06/2026 (L_{eq})	05-06/06/2026 (L_{max})	05-06/06/2026 (L_{eq})	UNIT
09:00 - 10:00 ¹⁾	65.9	68.6	65.4	dB(A)
10:00 - 11:00	65.9	74.9	65.5	dB(A)
11:00 - 12:00	63.7	68.9	65.3	dB(A)
12:00 - 13:00	65.5	68.0	65.0	dB(A)
13:00 - 14:00	65.7	68.5	65.2	dB(A)
14:00 - 15:00	65.8	68.2	65.3	dB(A)
15:00 - 16:00	65.9	70.8	65.5	dB(A)
16:00 - 17:00	66.1	68.4	65.6	dB(A)
17:00 - 18:00	66.3	69.9	65.8	dB(A)
18:00 - 19:00	66.2	68.4	65.8	dB(A)
19:00 - 20:00	66.2	68.1	65.8	dB(A)
20:00 - 21:00	66.2	68.3	65.7	dB(A)
21:00 - 22:00	66.2	68.4	65.9	dB(A)
22:00 - 23:00	66.2	68.8	65.7	dB(A)
23:00 - 00:00	66.2	69.6	65.8	dB(A)
00:00 - 01:00	66.1	68.2	65.8	dB(A)
01:00 - 02:00	66.1	68.5	65.7	dB(A)
02:00 - 03:00	66.1	68.6	65.8	dB(A)
03:00 - 04:00	66.2	68.2	65.8	dB(A)
04:00 - 05:00	66.1	68.3	65.8	dB(A)
05:00 - 06:00	66.1	69.3	65.7	dB(A)
06:00 - 07:00	66.2	69.9	65.8	dB(A)
07:00 - 08:00	66.1	68.9	65.7	dB(A)
08:00 - 09:00	66.1	68.2	65.7	dB(A)
L_{eq} 24 hr.	66.1	-	-	dB(A)
L_{eq}	72.5	-	-	dB(A)
Maximum	-	74.9	-	dB(A)
Standard	$70^1, 70^2$	$115^1, 115^2$	-	dB(A)

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

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

³⁾ Start Time

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(Ms. Thanaporn Klinsonon is Section Head, Mrs. Wanpen Lhaochindawat is in Charge of Management)
(Measurement By Mr. Suttha Songthaninai)

** These Data are Non Laboratory Data



Approved By (MRS. WANPEN LHAOCHINDAWAT)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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TESTING 1712
Request No. LA69-R06104
Report No. R6906-5783

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16**
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhroarat Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**
SAMPLE SOURCE : EA Plant**
SAMPLE POINT : บริเวณโรงบำบัดน้ำเสีย**
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , $L_{eq}^{\#}$ & $L_{dn}^{\#}$
DETERMINATION METHOD : ISO 1996-1:2016#
INSTRUMENT : Integrated Sound Level Meter
S/N 00741217 : Class 1

TIME \ DATE	06-07/06/2026 (L_{eq})	06-07/06/2026 (L_{max})	06-07/06/2026 ($L_{eq}^{\#}$)	UNIT
09:00 - 10:00	63.8	68.9	65.4	dB(A)
10:00 - 11:00	66.0	72.4	65.6	dB(A)
11:00 - 12:00	63.9	68.4	65.5	dB(A)
12:00 - 13:00	66.2	69.3	65.6	dB(A)
13:00 - 14:00	66.3	70.5	65.8	dB(A)
14:00 - 15:00	66.2	74.3	65.8	dB(A)
15:00 - 16:00	63.9	68.3	65.6	dB(A)
16:00 - 17:00	66.1	71.8	65.7	dB(A)
17:00 - 18:00	66.1	68.3	65.7	dB(A)
18:00 - 19:00	66.1	68.6	65.6	dB(A)
19:00 - 20:00	66.1	68.3	65.8	dB(A)
20:00 - 21:00	66.1	68.0	65.7	dB(A)
21:00 - 22:00	66.1	68.1	65.8	dB(A)
22:00 - 23:00	66.1	68.2	65.7	dB(A)
23:00 - 00:00	66.1	68.4	65.8	dB(A)
00:00 - 01:00	66.1	68.2	65.7	dB(A)
01:00 - 02:00	66.1	68.5	65.7	dB(A)
02:00 - 03:00	66.1	68.4	65.8	dB(A)
03:00 - 04:00	66.0	67.9	65.7	dB(A)
04:00 - 05:00	66.0	68.9	65.7	dB(A)
05:00 - 06:00	66.0	68.4	65.7	dB(A)
06:00 - 07:00	66.1	69.3	65.8	dB(A)
07:00 - 08:00	66.1	68.7	65.7	dB(A)
08:00 - 09:00	66.1	68.1	65.7	dB(A)
L_{eq} 24 hr.	66.1	-	-	dB(A)
$L_{dn}^{\#}$	72.5	-	-	dB(A)
Maximum	-	74.3	-	dB(A)
Standard	70^A , 70^B	115^A , 115^B	-	dB(A)

REMARK : * Test Report/Sampling marked "Not TISI Accredited" in this report are not included in the TISI Accreditation Schedule for our laboratory
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Dated November 25, 1997

¹¹ Notification of The National Environmental Board Volume 15 B.E. 2540 (1997)

¹² Notification of Ministry of the Industry B.E. 2548 (2005)

¹³ Start Time

* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Ms. Thanaporn Klinsonon in Section Head, Mrs. Wanpen Lhaochindawati (Assistant Management)
(Measurement By Mr. Suttha Songthaninai)

** These Data are Non Laboratory Data



Approved By : (MRS. WANPEN LHAOCHINDAWATI)

22/06/2026

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Page 1/1

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



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TESTING 1712
Request No. LA69-R06104
Report No. R6906-5784

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16**
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhroarat Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**
SAMPLE SOURCE : EA Plant**
SAMPLE POINT : บริเวณโรงบำบัดน้ำเสีย**
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , $L_{eq}^{\#}$ & $L_{dn}^{\#}$
DETERMINATION METHOD : ISO 1996-1:2016#
INSTRUMENT : Integrated Sound Level Meter
S/N 00741217 : Class 1

TIME \ DATE	07-08/06/2026 (L_{eq})	07-08/06/2026 (L_{max})	07-08/06/2026 ($L_{eq}^{\#}$)	UNIT
09:00 - 10:00	66.3	68.6	65.8	dB(A)
10:00 - 11:00	66.3	69.1	65.9	dB(A)
11:00 - 12:00	66.2	68.8	65.8	dB(A)
12:00 - 13:00	66.1	69.4	65.8	dB(A)
13:00 - 14:00	65.8	68.5	65.4	dB(A)
14:00 - 15:00	65.8	68.2	65.4	dB(A)
15:00 - 16:00	66.1	68.1	65.8	dB(A)
16:00 - 17:00	66.0	68.2	65.6	dB(A)
17:00 - 18:00	65.8	69.0	65.3	dB(A)
18:00 - 19:00	66.0	68.3	65.6	dB(A)
19:00 - 20:00	65.9	68.2	65.5	dB(A)
20:00 - 21:00	65.9	75.8	65.3	dB(A)
21:00 - 22:00	66.0	68.0	65.7	dB(A)
22:00 - 23:00	66.1	68.7	65.7	dB(A)
23:00 - 00:00	66.0	67.8	65.7	dB(A)
00:00 - 01:00	65.9	68.0	65.6	dB(A)
01:00 - 02:00	65.9	71.2	65.5	dB(A)
02:00 - 03:00	66.1	68.4	65.7	dB(A)
03:00 - 04:00	66.0	67.9	65.6	dB(A)
04:00 - 05:00	66.0	68.5	65.6	dB(A)
05:00 - 06:00	66.0	67.9	65.7	dB(A)
06:00 - 07:00	66.0	70.9	65.7	dB(A)
07:00 - 08:00	66.0	68.6	65.7	dB(A)
08:00 - 09:00	66.1	69.1	65.7	dB(A)
L_{eq} 24 hr.	66.0	-	-	dB(A)
$L_{dn}^{\#}$	72.4	-	-	dB(A)
Maximum	-	75.8	-	dB(A)
Standard	70^A , 70^B	115^A , 115^B	-	dB(A)

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

¹¹ Notification of The National Environmental Board Volume 15 B.E. 2540 (1997)

¹² Notification of Ministry of the Industry B.E. 2548 (2005)

¹³ Start Time

* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Ms. Thanaporn Klinsonon in Section Head, Mrs. Wanpen Lhaochindawati (Assistant Management)
(Measurement By Mr. Suttha Songthaninai)

** These Data are Non Laboratory Data



Approved By : (MRS. WANPEN LHAOCHINDAWATI)

22/06/2026

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Page 1/1

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



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



TESTING 1712
Request No. LA69-R06104
Report No. R6906-5785

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16**
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhroarat Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**
SAMPLE SOURCE : EA Plant**
SAMPLE POINT : บริเวณบริเวณด้านทิศเหนือ**
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{day} & L_{night}
DETERMINATION METHOD : ISO 1996-1:2016#
INSTRUMENT : Integrated Sound Level Meter
S/N 00741217 : Class 1

SAMPLE NO. : 20583
MEASURING DATE : 08-09/06/2026
RECEIVED DATE : 11/06/2026
REPORTED DATE : 22/06/2026

TIME \ DATE	08-09/06/2026 (L_{eq})	08-09/06/2026 (L_{max})	08-09/06/2026 (L_{day})	UNIT
09:00 - 10:00 ¹⁾	66.0	68.1	65.6	dB(A)
10:00 - 11:00	66.0	70.1	65.6	dB(A)
11:00 - 12:00	65.9	69.7	65.5	dB(A)
12:00 - 13:00	65.7	68.1	65.3	dB(A)
13:00 - 14:00	65.7	72.9	65.3	dB(A)
14:00 - 15:00	65.8	70.6	65.4	dB(A)
15:00 - 16:00	66.5	77.1	65.9	dB(A)
16:00 - 17:00	66.1	72.1	65.8	dB(A)
17:00 - 18:00	66.0	68.2	65.7	dB(A)
18:00 - 19:00	66.0	68.7	65.7	dB(A)
19:00 - 20:00	65.9	67.7	65.6	dB(A)
20:00 - 21:00	66.0	67.9	65.7	dB(A)
21:00 - 22:00	66.0	68.7	65.7	dB(A)
22:00 - 23:00	65.9	67.8	65.6	dB(A)
23:00 - 00:00	65.9	68.0	65.6	dB(A)
00:00 - 01:00	65.9	68.5	65.6	dB(A)
01:00 - 02:00	65.8	67.5	65.6	dB(A)
02:00 - 03:00	65.9	67.7	65.6	dB(A)
03:00 - 04:00	65.8	68.1	65.5	dB(A)
04:00 - 05:00	65.9	67.9	65.6	dB(A)
05:00 - 06:00	65.9	68.5	65.5	dB(A)
06:00 - 07:00	65.9	68.3	65.6	dB(A)
07:00 - 08:00	65.9	70.5	65.6	dB(A)
08:00 - 09:00	67.3	94.4	64.5	dB(A)
L_{eq} 24 hr.	66.0	-	-	dB(A)
L_{day}	72.3	-	-	dB(A)
Maximum	-	94.4	-	dB(A)
Standard	$70^1, 70^2$	$115^1, 115^2$	-	dB(A)

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



Approved By :
(MRS. WANPEN LHAOCHINDAWAT)
22/06/2026

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TESTING 1712
Request No. LA69-R06104
Report No. R6906-5786

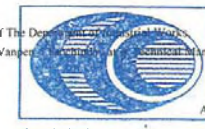
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16**
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhroarat Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**
SAMPLE SOURCE : EA Plant**
SAMPLE POINT : บริเวณบริเวณด้านทิศเหนือ**
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{day} & L_{night}
DETERMINATION METHOD : ISO 1996-1:2016#
INSTRUMENT : Integrated Sound Level Meter
S/N 00741217 : Class 1

SAMPLE NO. : 20584
MEASURING DATE : 09-10/06/2026
RECEIVED DATE : 11/06/2026
REPORTED DATE : 22/06/2026

TIME \ DATE	09-10/06/2026 (L_{eq})	09-10/06/2026 (L_{max})	09-10/06/2026 (L_{day})	UNIT
09:00 - 10:00 ¹⁾	65.3	68.4	64.8	dB(A)
10:00 - 11:00	65.4	68.2	64.9	dB(A)
11:00 - 12:00	65.5	76.7	65.0	dB(A)
12:00 - 13:00	65.5	67.4	64.9	dB(A)
13:00 - 14:00	65.4	67.4	64.9	dB(A)
14:00 - 15:00	65.4	67.3	64.8	dB(A)
15:00 - 16:00	65.3	66.8	64.8	dB(A)
16:00 - 17:00	64.9	67.0	64.4	dB(A)
17:00 - 18:00	64.9	66.0	64.4	dB(A)
18:00 - 19:00	64.9	66.8	64.5	dB(A)
19:00 - 20:00	64.6	66.5	64.1	dB(A)
20:00 - 21:00	64.2	65.6	63.7	dB(A)
21:00 - 22:00	64.1	65.5	63.7	dB(A)
22:00 - 23:00	64.1	65.4	63.7	dB(A)
23:00 - 00:00	64.2	65.2	63.8	dB(A)
00:00 - 01:00	67.1	94.4	64.0	dB(A)
01:00 - 02:00	65.2	68.4	64.7	dB(A)
02:00 - 03:00	65.4	68.2	64.9	dB(A)
03:00 - 04:00	65.5	76.7	65.0	dB(A)
04:00 - 05:00	65.4	67.2	64.9	dB(A)
05:00 - 06:00	65.5	67.4	64.9	dB(A)
06:00 - 07:00	65.4	67.4	64.8	dB(A)
07:00 - 08:00	65.3	66.8	64.8	dB(A)
08:00 - 09:00	65.0	67.0	64.5	dB(A)
L_{eq} 24 hr.	65.2	-	-	dB(A)
L_{day}	71.8	-	-	dB(A)
Maximum	-	94.4	-	dB(A)
Standard	$70^1, 70^2$	$115^1, 115^2$	-	dB(A)

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



Approved By :
(MRS. WANPEN LHAOCHINDAWAT)
22/06/2026

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TESTING 1712
Request No. LA69-R06104
Report No. R6906-5796

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16**
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakom Songkhraorad Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**
SAMPLE SOURCE : EA Plant**
SAMPLE POINT : บริเวณบริเวณด้านทิศตะวันตก**
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , $L_{eq\#}$ & $L_{dn\#}$
DETERMINATION METHOD : ISO 1996-1:2016#
INSTRUMENT : Integrated Sound Level Meter
S/N 01120949 : Class I

SAMPLE NO. : 20594
MEASURING DATE : 05-06/06/2026
RECEIVED DATE : 11/06/2026
REPORTED DATE : 22/06/2026

TIME \ DATE	05-06/06/2026 (L_{eq})	05-06/06/2026 (L_{max})	05-06/06/2026 ($L_{eq\#}$)	UNIT
09:00 - 10:00	63.9	70.7	63.4	dB(A)
10:00 - 11:00	64.1	69.2	63.5	dB(A)
11:00 - 12:00	63.9	69.2	63.2	dB(A)
12:00 - 13:00	63.4	69.6	62.7	dB(A)
13:00 - 14:00	63.4	69.8	62.9	dB(A)
14:00 - 15:00	63.4	69.0	62.9	dB(A)
15:00 - 16:00	63.4	73.2	62.9	dB(A)
16:00 - 17:00	63.7	69.4	63.1	dB(A)
17:00 - 18:00	64.0	69.5	63.5	dB(A)
18:00 - 19:00	64.0	69.2	63.3	dB(A)
19:00 - 20:00	63.3	69.0	62.9	dB(A)
20:00 - 21:00	63.6	67.7	63.2	dB(A)
21:00 - 22:00	64.3	70.6	63.9	dB(A)
22:00 - 23:00	63.4	68.2	63.0	dB(A)
23:00 - 00:00	63.9	68.7	63.3	dB(A)
00:00 - 01:00	63.5	70.5	63.1	dB(A)
01:00 - 02:00	63.3	68.8	62.9	dB(A)
02:00 - 03:00	63.5	69.2	63.1	dB(A)
03:00 - 04:00	63.7	68.1	63.2	dB(A)
04:00 - 05:00	63.8	70.0	63.4	dB(A)
05:00 - 06:00	63.2	68.1	62.8	dB(A)
06:00 - 07:00	63.7	69.5	63.1	dB(A)
07:00 - 08:00	63.0	67.2	62.6	dB(A)
08:00 - 09:00	63.1	69.9	62.7	dB(A)
L_{eq} 24 hr.	63.6	-	-	dB(A)
$L_{dn\#}$	70.0	-	-	dB(A)
Maximum	-	73.2	-	dB(A)
Standard	70^1 , 70^2	115^1 , 115^2	-	dB(A)

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



Approved By : (MRS. WANPEN LHAOCHINDAWAT)
22/06/2026

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TESTING 1712
Request No. LA69-R06104
Report No. R6906-5797

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16**
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakom Songkhraorad Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**
SAMPLE SOURCE : EA Plant**
SAMPLE POINT : บริเวณบริเวณด้านทิศตะวันตก**
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , $L_{eq\#}$ & $L_{dn\#}$
DETERMINATION METHOD : ISO 1996-1:2016#
INSTRUMENT : Integrated Sound Level Meter
S/N 01120949 : Class I

SAMPLE NO. : 20595
MEASURING DATE : 06-07/06/2026
RECEIVED DATE : 11/06/2026
REPORTED DATE : 22/06/2026

TIME \ DATE	06-07/06/2026 (L_{eq})	06-07/06/2026 (L_{max})	06-07/06/2026 ($L_{eq\#}$)	UNIT
09:00 - 10:00	63.6	70.7	63.0	dB(A)
10:00 - 11:00	63.9	70.7	63.2	dB(A)
11:00 - 12:00	64.3	70.2	63.5	dB(A)
12:00 - 13:00	64.3	74.1	63.6	dB(A)
13:00 - 14:00	64.2	70.8	63.7	dB(A)
14:00 - 15:00	63.4	72.0	63.0	dB(A)
15:00 - 16:00	64.4	94.7	63.1	dB(A)
16:00 - 17:00	63.8	72.7	63.2	dB(A)
17:00 - 18:00	63.2	69.7	62.8	dB(A)
18:00 - 19:00	63.1	69.2	62.6	dB(A)
19:00 - 20:00	64.0	69.1	63.4	dB(A)
20:00 - 21:00	63.3	67.3	62.8	dB(A)
21:00 - 22:00	63.0	68.2	62.6	dB(A)
22:00 - 23:00	63.3	67.4	62.8	dB(A)
23:00 - 00:00	63.4	68.7	62.9	dB(A)
00:00 - 01:00	63.1	68.7	62.7	dB(A)
01:00 - 02:00	63.1	68.0	62.7	dB(A)
02:00 - 03:00	63.7	68.2	63.1	dB(A)
03:00 - 04:00	63.2	67.1	62.8	dB(A)
04:00 - 05:00	63.1	67.3	62.7	dB(A)
05:00 - 06:00	63.7	70.8	63.2	dB(A)
06:00 - 07:00	63.7	68.5	63.3	dB(A)
07:00 - 08:00	63.0	68.8	62.6	dB(A)
08:00 - 09:00	63.0	67.7	62.5	dB(A)
L_{eq} 24 hr.	63.6	-	-	dB(A)
$L_{dn\#}$	69.8	-	-	dB(A)
Maximum	-	94.7	-	dB(A)
Standard	70^1 , 70^2	115^1 , 115^2	-	dB(A)

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



Approved By : (MRS. WANPEN LHAOCHINDAWAT)
22/06/2026

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TESTING 1712
Request No. LA69-R06104
Report No. R6906-5798

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16**
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhroart Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**
SAMPLE SOURCE : EA Plant**
SAMPLE POINT : บริเวณวัดวัดบ้านจันทะโนนคอก**
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{day} & L_{night}
DETERMINATION METHOD : ISO 1996-1:2016**
INSTRUMENT : Integrated Sound Level Meter
S/N 01120949 : Class 1

SAMPLE NO. : 20596
MEASURING DATE : 07-08-06/2026
RECEIVED DATE : 11/06/2026
REPORTED DATE : 22/06/2026

TIME \ DATE	07-08/06/2026 (L_{eq})	07-08/06/2026 (L_{max})	07-08/06/2026 (L_{day})	UNIT
09:00 - 10:00	63.5	68.5	62.9	dB(A)
10:00 - 11:00	63.0	69.0	62.6	dB(A)
11:00 - 12:00	63.0	67.4	62.6	dB(A)
12:00 - 13:00	63.5	68.5	62.9	dB(A)
13:00 - 14:00	62.7	66.9	62.3	dB(A)
14:00 - 15:00	62.7	68.1	62.3	dB(A)
15:00 - 16:00	63.5	67.4	62.9	dB(A)
16:00 - 17:00	63.3	67.3	62.9	dB(A)
17:00 - 18:00	63.3	68.2	63.0	dB(A)
18:00 - 19:00	63.7	68.5	63.2	dB(A)
19:00 - 20:00	63.6	68.1	63.1	dB(A)
20:00 - 21:00	63.1	67.9	62.7	dB(A)
21:00 - 22:00	63.4	68.2	63.0	dB(A)
22:00 - 23:00	64.0	69.5	63.5	dB(A)
23:00 - 00:00	63.1	67.3	62.7	dB(A)
00:00 - 01:00	62.8	68.7	62.5	dB(A)
01:00 - 02:00	63.6	67.6	63.0	dB(A)
02:00 - 03:00	63.2	67.3	62.8	dB(A)
03:00 - 04:00	63.0	67.5	62.6	dB(A)
04:00 - 05:00	63.4	68.6	62.9	dB(A)
05:00 - 06:00	63.6	67.9	63.0	dB(A)
06:00 - 07:00	63.2	66.9	62.8	dB(A)
07:00 - 08:00	63.2	69.2	62.8	dB(A)
08:00 - 09:00	63.7	68.5	63.2	dB(A)
L_{eq} 24 hr.	63.3	-	-	dB(A)
L_{day}	69.7	-	-	dB(A)
Maximum	-	69.5	-	dB(A)
Standard	70 ¹ , 70 ²	115 ³ , 115 ²	-	dB(A)

REMARK : * Test Report/Sampling marked "Not TISI Accredited" in this report are not included in the TISI Accreditation Schedule for our laboratory
** ISO 1996-1:2016, Notification of The Department of Industrial Works on Methods for Measuring Noise Annoyance, Noise Level 24-Hour Average and Maximum Noise Level From Factory B.E. 2567 (2024), Dated February 21, 2024, Notification of The National Environmental Board Volume 15 B.E. 2540 (1997) on The General Noise Level Standards, Dated April 3, 1997, Notification of The Pollution Control Department on The Calculation of The Noise Level, Dated November 25, 1997
1 Notification of The National Environmental Board Volume 15 B.E. 2540 (1997)
2 Notification of Ministry of the Industry B.E. 2548 (2005)
3 Start Time
* Parameter Outside The Scope of The Registration of The Department of Industrial Works (Ms. Thanaporn Klinsonon is Section Head, Mrs. Wanpen Lhaochindawat is Technical Management)
(Measurement By Mr. Suttha Songthaniat)
** These Data are Non Laboratory Data



Approved By: (MRS. WANPEN LHAOCHINDAWAT)
22/06/2026

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TESTING 1712
Request No. LA69-R06104
Report No. R6906-5799

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16**
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhroart Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**
SAMPLE SOURCE : EA Plant**
SAMPLE POINT : บริเวณวัดวัดบ้านจันทะโนนคอก**
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{day} & L_{night}
DETERMINATION METHOD : ISO 1996-1:2016**
INSTRUMENT : Integrated Sound Level Meter
S/N 01120949 : Class 1

SAMPLE NO. : 20597
MEASURING DATE : 08-09/06/2026
RECEIVED DATE : 11/06/2026
REPORTED DATE : 22/06/2026

TIME \ DATE	08-09/06/2026 (L_{eq})	08-09/06/2026 (L_{max})	08-09/06/2026 (L_{day})	UNIT
09:00 - 10:00	63.8	77.2	63.0	dB(A)
10:00 - 11:00	65.8	92.4	62.9	dB(A)
11:00 - 12:00	63.5	70.2	63.0	dB(A)
12:00 - 13:00	62.8	67.0	62.3	dB(A)
13:00 - 14:00	63.2	70.3	62.7	dB(A)
14:00 - 15:00	63.7	70.5	63.1	dB(A)
15:00 - 16:00	68.4	95.7	63.4	dB(A)
16:00 - 17:00	63.3	67.8	62.9	dB(A)
17:00 - 18:00	63.2	68.1	62.8	dB(A)
18:00 - 19:00	63.5	71.4	63.0	dB(A)
19:00 - 20:00	63.1	67.5	62.7	dB(A)
20:00 - 21:00	63.2	70.0	62.8	dB(A)
21:00 - 22:00	63.8	68.9	63.3	dB(A)
22:00 - 23:00	63.3	67.6	63.0	dB(A)
23:00 - 00:00	63.1	68.4	62.8	dB(A)
00:00 - 01:00	63.5	68.0	63.0	dB(A)
01:00 - 02:00	63.6	67.2	63.1	dB(A)
02:00 - 03:00	63.1	67.1	62.8	dB(A)
03:00 - 04:00	63.2	68.0	62.8	dB(A)
04:00 - 05:00	63.6	69.3	63.1	dB(A)
05:00 - 06:00	63.4	68.0	62.9	dB(A)
06:00 - 07:00	63.0	68.6	62.6	dB(A)
07:00 - 08:00	63.4	70.0	62.7	dB(A)
08:00 - 09:00	63.0	64.9	62.6	dB(A)
L_{eq} 24 hr.	63.8	-	-	dB(A)
L_{day}	69.9	-	-	dB(A)
Maximum	-	95.7	-	dB(A)
Standard	70 ¹ , 70 ²	115 ³ , 115 ²	-	dB(A)

REMARK : * Test Report/Sampling marked "Not TISI Accredited" in this report are not included in the TISI Accreditation Schedule for our laboratory
** ISO 1996-1:2016, Notification of The Department of Industrial Works on Methods for Measuring Noise Annoyance, Noise Level 24-Hour Average and Maximum Noise Level From Factory B.E. 2567 (2024), Dated February 21, 2024, Notification of The National Environmental Board Volume 15 B.E. 2540 (1997) on The General Noise Level Standards, Dated April 3, 1997, Notification of The Pollution Control Department on The Calculation of The Noise Level, Dated November 25, 1997
1 Notification of The National Environmental Board Volume 15 B.E. 2540 (1997)
2 Notification of Ministry of the Industry B.E. 2548 (2005)
3 Start Time
* Parameter Outside The Scope of The Registration of The Department of Industrial Works (Ms. Thanaporn Klinsonon is Section Head, Mrs. Wanpen Lhaochindawat is Technical Management)
(Measurement By Mr. Suttha Songthaniat)
** These Data are Non Laboratory Data



Approved By: (MRS. WANPEN LHAOCHINDAWAT)
22/06/2026

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



TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16**
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorad Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**
SAMPLE SOURCE : EA Plant**
SAMPLE POINT : บริเวณโรงบำบัดน้ำเสียเทศบาล**
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{eq} & L_{min}
DETERMINATION METHOD : ISO 1996-1:2016#
INSTRUMENT : Integrated Sound Level Meter
S/N 01120949 : Class 1

SAMPLE NO. : 20598
MEASURING DATE : 09-10/06/2026
RECEIVED DATE : 11/06/2026
REPORTED DATE : 22/06/2026

TIME \ DATE	09-10/06/2026 (L_{eq})	09-10/06/2026 (L_{max})	09-10/06/2026 (L_{eq})	UNIT
09:00 - 10:00 ^a	64.9	79.4	62.5	dB(A)
10:00 - 11:00	65.5	87.5	62.5	dB(A)
11:00 - 12:00	63.6	66.0	63.1	dB(A)
12:00 - 13:00	63.3	68.3	62.7	dB(A)
13:00 - 14:00	62.9	66.3	62.5	dB(A)
14:00 - 15:00	63.4	66.8	62.9	dB(A)
15:00 - 16:00	62.9	65.5	62.4	dB(A)
16:00 - 17:00	62.6	64.6	62.3	dB(A)
17:00 - 18:00	63.7	66.4	63.2	dB(A)
18:00 - 19:00	63.3	65.7	62.9	dB(A)
19:00 - 20:00	62.6	64.5	62.2	dB(A)
20:00 - 21:00	62.6	64.5	62.2	dB(A)
21:00 - 22:00	62.4	64.9	62.1	dB(A)
22:00 - 23:00	62.8	64.4	62.4	dB(A)
23:00 - 00:00	62.8	65.6	62.4	dB(A)
00:00 - 01:00	62.6	64.3	62.3	dB(A)
01:00 - 02:00	62.5	65.2	62.2	dB(A)
02:00 - 03:00	62.8	65.2	62.5	dB(A)
03:00 - 04:00	63.0	65.4	62.7	dB(A)
04:00 - 05:00	63.0	65.2	62.7	dB(A)
05:00 - 06:00	62.9	66.4	62.6	dB(A)
06:00 - 07:00	62.7	66.2	62.3	dB(A)
07:00 - 08:00	62.9	66.0	62.5	dB(A)
08:00 - 09:00	63.1	66.4	62.7	dB(A)
L_{eq} 24 hr.	63.2	-	-	dB(A)
L_{min}	69.3	-	-	dB(A)
Maximum	-	87.5	-	dB(A)
Standard	70 ^b , 70 ^c	115 ^d , 115 ^e	-	dB(A)

REMARK : ^a Test Report/Sampling marked "Not TISI Accredited" in this report are not included in the TISI Accreditation Schedule for our laboratory
^b ISO 1996-1:2016, Notification of The Department of Industrial Works on Methods for Measuring Noise Annoyance, Noise Level 24-Hour Average and Maximum Noise Level From Factory B.E. 2567 (2024), Dated February 21, 2024, Notification of The National Environmental Board Volume 15 B.E. 2540 (1997) on The General Noise Level Standards, Dated April 3, 1997, Notification of The Pollution Control Department on The Calculation of The Noise Level, Dated November 25, 1997
^c Notification of The National Environmental Board Volume 15 B.E. 2540 (1997)
^d Notification of Ministry of the Industry B.E. 2548 (2005)
^e Start Time
* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Ms. Thanaporn Klinsonon is Section Head, Mrs. Wanpen Lhaochindawat is Technical Management)
(Measurement By Mr. Suttha Songthannalai)
** These Data are Non Laboratory Data



Approved By : (MRS. WANPEN LHAOCHINDAWAT)
22/06/2026

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



TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16**
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorad Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**
SAMPLE SOURCE : EA Plant**
SAMPLE POINT : บริเวณโรงบำบัดน้ำเสียเทศบาล**
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{eq} & L_{min}
DETERMINATION METHOD : ISO 1996-1:2016#
INSTRUMENT : Integrated Sound Level Meter
S/N 01120949 : Class 1

SAMPLE NO. : 20599
MEASURING DATE : 10-11/06/2026
RECEIVED DATE : 11/06/2026
REPORTED DATE : 22/06/2026

TIME \ DATE	10-11/06/2026 (L_{eq})	10-11/06/2026 (L_{max})	10-11/06/2026 (L_{eq})	UNIT
09:00 - 10:00 ^a	62.8	64.9	62.4	dB(A)
10:00 - 11:00	63.4	66.9	62.8	dB(A)
11:00 - 12:00	63.1	67.9	62.5	dB(A)
12:00 - 13:00	63.2	66.8	62.5	dB(A)
13:00 - 14:00	63.4	66.4	62.8	dB(A)
14:00 - 15:00	63.1	67.1	62.5	dB(A)
15:00 - 16:00	63.1	65.6	62.6	dB(A)
16:00 - 17:00	63.6	66.0	63.0	dB(A)
17:00 - 18:00	63.1	66.9	62.6	dB(A)
18:00 - 19:00	63.5	65.6	63.1	dB(A)
19:00 - 20:00	63.0	65.6	62.6	dB(A)
20:00 - 21:00	63.4	65.7	62.9	dB(A)
21:00 - 22:00	62.9	65.1	62.5	dB(A)
22:00 - 23:00	62.9	67.3	62.5	dB(A)
23:00 - 00:00	63.2	66.0	62.8	dB(A)
00:00 - 01:00	62.4	68.1	62.1	dB(A)
01:00 - 02:00	62.4	65.1	62.0	dB(A)
02:00 - 03:00	63.1	65.8	62.6	dB(A)
03:00 - 04:00	62.7	65.4	62.3	dB(A)
04:00 - 05:00	62.3	66.5	62.0	dB(A)
05:00 - 06:00	62.9	65.7	62.4	dB(A)
06:00 - 07:00	62.7	64.9	62.2	dB(A)
07:00 - 08:00	62.5	65.2	62.2	dB(A)
08:00 - 09:00	63.0	68.1	62.6	dB(A)
L_{eq} 24 hr.	63.0	-	-	dB(A)
L_{min}	69.2	-	-	dB(A)
Maximum	-	68.1	-	dB(A)
Standard	70 ^b , 70 ^c	115 ^d , 115 ^e	-	dB(A)

REMARK : ^a Test Report/Sampling marked "Not TISI Accredited" in this report are not included in the TISI Accreditation Schedule for our laboratory
^b ISO 1996-1:2016, Notification of The Department of Industrial Works on Methods for Measuring Noise Annoyance, Noise Level 24-Hour Average and Maximum Noise Level From Factory B.E. 2567 (2024), Dated February 21, 2024, Notification of The National Environmental Board Volume 15 B.E. 2540 (1997) on The General Noise Level Standards, Dated April 3, 1997, Notification of The Pollution Control Department on The Calculation of The Noise Level, Dated November 25, 1997
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^d Notification of Ministry of the Industry B.E. 2548 (2005)
^e Start Time
* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Ms. Thanaporn Klinsonon is Section Head, Mrs. Wanpen Lhaochindawat is Technical Management)
(Measurement By Mr. Suttha Songthannalai)
** These Data are Non Laboratory Data



Approved By : (MRS. WANPEN LHAOCHINDAWAT)
22/06/2026

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MSC-TISI-TIS 17025
TESTING 1712



TESTING
No.0159

Request No : W6901619

Report No : 6902-1391

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 16**
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**
Sampling Source : EA Plant**
Sample Name : จุดระบายน้ำฝนจาก Storm Water Diversion (TK-301)**
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 30/01/2026 - 20/02/2026
Sample No. : W 69011970
Sampling Date : 29/01/2026**
Sampling Time : 1:30 PM**
Received Date : 30/01/2026
Reported Date : 20/02/2026

Parameter	Unit	Method	Result
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	58.2
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	336
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50
Oil and Grease @	mg/L	Liquid - Liquid, Partition-Gravimetric Method (SM:5520B)	3.1
pH (on site) *		Electrometric Method	6.3
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	28
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540 C)	182
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	34
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540 D)	193

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

Remark : 1. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
2. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.
3. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Aocha Khwansirimongkhon (7-003-P-0034)*
4. ** = These data are non laboratory data.
5. Sampling at UTM 47 P 731235 E 1404859 N

Examined By

(Miss Apiradee Chuen-arom)

(7-003-P-0007)

20/02/2026



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(Mr. Kawee Suthasub)

(7-003-P-0004)

20/02/2026

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



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

Request No : W6901619

Report No : 6902-1391

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 16
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
Sampling Source : EA Plant
Sample Name : จุดระบายน้ำฝนจาก Storm Water Diversion (TK-301)
Sampling By : ETC
Sampling Method : Grab
Tested Date : 30/01/2026 - 20/02/2026
Sample No. : W 69011970
Sampling Date : 29/01/2026
Sampling Time : 1:30 PM
Received Date : 30/01/2026
Reported Date : 20/02/2026

Parameter	Unit	Method	Result
Aramonia	mg/L as NH ₃	Distillation and Titrimetric Method (SM:4500 -NH ₃ B, 4500 -NH ₃ C)	14

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

Remark : 1. Parameter Outside The Scope of The Registration of Department of Industrial Works
2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
3. Sampling By Mr. Aocha Khwansirimongkhon
4. Sampling at UTM 47 P 731235 E 1404859 N



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By

(Miss Apiradee Chuen-arom)

20/02/2026

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Request No : W6901097

Report No : 6901-1108

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 16**
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorai Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**
Sampling Source : EA Plant**
Sample Name : บ่อปรับสมดุล Equalization Sump (TK-101)**
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 08/01/2026 – 19/01/2026

Sample No. : W 69010292
Sampling Date : 07/01/2026**
Sampling Time : 11:00 AM**
Received Date : 08/01/2026
Reported Date : 19/01/2026

Parameter	Unit	Method	Result
Biochemical Oxygen Demand [#]	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	41.4
Chemical Oxygen Demand [#]	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	295
Formaldehyde [*]	mg/L	Distillation, Colorimetric Method	<0.50
Oil and Grease [@]	mg/L	Liquid – Liquid, Partition-Gravimetric Method (SM:5520B)	<3.0
pH (on site) [*]		Electrometric Method	9.7
Temperature [*]	°C	Laboratory and Field Method (SM:2550 B)	30
Total Dissolved Solids [#]	mg/L	Dried at 180 degree celsius (SM:2540 C)	323
Total Kjeldahl Nitrogen [*]	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	52
Total Suspended Solids [#]	mg/L	Dried at 103-105 degree celsius (SM:2540 D)	7

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

- Remark : 1. @ = ISO/IEC 17025:2017 Accredited by TIS1, # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
2. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.
3. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Aocha Khwansirimongkhon (T-003-P-0034)*
4. ** = These data are non laboratory data.
5. Sampling at UTM 47 P 731233 E 1404850 N

Examined By.....
(Miss Apiradee Chuen-arom)
(T-003-P-0007)
19/01/2026



Approved By.....
(Miss Nunnaphat Bakhuntod)
(T-003-P-0005)
19/01/2026

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เว็บไซต์ : http://www.etc1992.com อี-เมล : info@etc1992.com



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

Request No : W6901097

TEST REPORT

Report No : 6901-1108

Customer : PTT Global Chemical Public Company Limited Branch 16
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorai Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
Sampling Source : EA Plant
Sample Name : บ่อปรับสมดุล Equalization Sump (TK-101)
Sampling By : ETC
Sampling Method : Grab
Tested Date : 08/01/2026 – 19/01/2026

Sample No. : W 69010292
Sampling Date : 07/01/2026
Sampling Time : 11:00 AM
Received Date : 08/01/2026
Reported Date : 19/01/2026

Parameter	Unit	Method	Result
Ammonia	mg/L as NH ₃	Distillation and Titrimetric Method (SM:4500-NH3 B, 4500-NH3 C)	6

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

- Remark : 1. Parameter Outside The Scope of The Registration of Department of Industrial Works
2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
3. Sampling By Mr. Aocha Khwansirimongkhon
4. Sampling at UTM 47 P 731233 E 1404850 N



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

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Request No : W6901097

Report No : 6901-1109

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 16**
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakom Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**
Sampling Source : EA Plant**
Sample Name : ชุดระบบย่อยน้ำ Neutralization Sump (TK-201)**
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 08/01/2026 - 19/01/2026

Sample No. : W 69010293
Sampling Date : 07/01/2026**
Sampling Time : 10:45 AM**
Received Date : 08/01/2026
Reported Date : 19/01/2026

Parameter	Unit	Method	Result
Biochemical Oxygen Demand [#]	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	41.8
Chemical Oxygen Demand [#]	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	289
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50
Oil and Grease [@]	mg/L	Liquid - Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0
pH (on site) *		Electrometric Method	9.7
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	30
Total Dissolved Solids [#]	mg/L	Dried at 180 degree celsius (SM:2540 C)	306
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	51
Total Suspended Solids [#]	mg/L	Dried at 103-105 degree celsius (SM:2540 D)	8

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

Remark : 1. @ = ISO/IEC 17025:2017 Accredited by TISI, # = ISO/IEC 17025:2017 Accredited by DSS.
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
2. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.
3. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Aocha Khwansirimongkhon (3-003-0034)*
4. ** = These data are non laboratory data.
5. Sampling at UTM 47 P 731229 E 1404850 N

Examined By :
(Miss Apiradee Chuen-arom)
(3-003-0007)
19/01/2026



Approved By :
(Miss Nunnaphat Bakhuntod)
(3-003-0005)
19/01/2026

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Request No : W6901097

TEST REPORT

Report No : 6901-1109

Customer : PTT Global Chemical Public Company Limited Branch 16
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakom Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
Sampling Source : EA Plant
Sample Name : ชุดระบบย่อยน้ำ Neutralization Sump (TK-201)
Sampling By : ETC
Sampling Method : Grab
Tested Date : 08/01/2026 - 19/01/2026

Sample No. : W 69010293
Sampling Date : 07/01/2026
Sampling Time : 10:45 AM
Received Date : 08/01/2026
Reported Date : 19/01/2026

Parameter	Unit	Method	Result
Ammonia	mg/L as NH ₃	Distillation and Titrimetric Method (SM:4500-NH3 B, 4500-NH3 C)	8

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

Remark : 1. Parameter Outside The Scope of The Registration of Department of Industrial Works
2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
3. Sampling By Mr. Aocha Khwansirimongkhon
4. Sampling at UTM 47 P 731229 E 1404850 N



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

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Request No : W6901097

Report No : 6901-1110

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 16**
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**
Sampling Source : EA Plant**
Sample Name : จุดระบายของน้ำทิ้ง Final Check Basin (TK-601)**
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 08/01/2026 - 14/01/2026
Sample No. : W 69010294
Sampling Date : 07/01/2026**
Sampling Time : 10:55 AM**
Received Date : 08/01/2026
Reported Date : 19/01/2026

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand [#]	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	138	≤ 500
Chemical Oxygen Demand [#]	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	305	≤ 750
Formaldehyde [*]	mg/L	Distillation, Colorimetric Method	< 0.50	≤ 1
Oil and Grease [@]	mg/L	Liquid - Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 10
pH (on site) [*]		Electrometric Method	7.6	5.5-9.0
Temperature [*]	°C	Laboratory and Field Method (SM:2550 B)	30	≤ 45
Total Dissolved Solids [#]	mg/L	Dried at 180 degree celsius (SM:2540 C)	344	≤ 3000
Total Kjeldahl Nitrogen [*]	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	60	≤ 100
Total Suspended Solids [#]	mg/L	Dried at 103-105 degree celsius (SM:2540 D)	9	≤ 200

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

- Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 029 / 2567 (2024)
2. @ = ISO/IEC 17025:2017 Accredited by TISI, # = ISO/IEC 17025:2017 Accredited by DSS, SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Aocha Khwansirimongkhon (1-003-0-0034)*
5. ** = These data are non laboratory data.
6. Sampling at UTM 47 P 731233 E 1404844 N

Examined By : (Miss Apiradee Chuen-arom)
(1-003-0-0007)
19/01/2026



Approved By : (Miss Nunnaphat Bakhuntod)
(1-003-0-0005)
19/01/2026

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

Request No : W6901097

Report No : 6901-1110

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 16
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
Sampling Source : EA Plant
Sample Name : จุดระบายของน้ำทิ้ง Final Check Basin (TK-601)
Sampling By : ETC
Sampling Method : Grab
Tested Date : 08/01/2026 - 14/01/2026
Sample No. : W 69010294
Sampling Date : 07/01/2026
Sampling Time : 10:55 AM
Received Date : 08/01/2026
Reported Date : 19/01/2026

Parameter	Unit	Method	Result	Standard ¹
Ammonia	mg/L as NH ₃	Distillation and Titrimetric Method (SM:4500-NH3 B, 4500-NH3 C)	59	-

- Physical Appearance : 1. Sample : Wastewater (yellowish, lightly SS)
2. Container : Normal [PE 0.5 L, PE 1.0 L, PE 1.8 L, G 1.0 L]
Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 029 / 2567 (2024)
2. Parameter Outside The Scope of The Registration of Department of Industrial Works
3. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
4. Sampling By Mr. Aocha Khwansirimongkhon
5. Sampling at UTM 47 P 731233 E 1404844 N



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

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Request No : W6902018

Report No : 6902-0867

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 16**
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**
Sampling Source : EA Plant**
Sample Name : จุดระบายน้ำฝนจาก Storm Water Diversion (TK-301)**
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 03/02/2026 - 09/02/2026

Sample No. : W 69020049
Sampling Date : 02/02/2026**
Sampling Time : 9:40 AM**
Received Date : 03/02/2026
Reported Date : 13/02/2026

Parameter	Unit	Method	Result
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	17.4
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	76
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50
Oil and Grease @	mg/L	Liquid - Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0
pH (on site) *		Electrometric Method	7.6
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	28
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540 C)	130
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	7
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540 D)	53

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

Remark : 1. @ = ISO/IEC 17025:2017 Accredited by TISI, # = ISO/IEC 17025:2017 Accredited by DSS, SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
2. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.
3. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang (2-003-ท-0031)**
4. ** = These data are non laboratory data.
5. Sampling at UTM 47 P 731235 E 1404859 N

Examined By: (Miss Apiradee Chuen-arom)
(2-003-ท-0007)
13/02/2026



Approved By: (Mr. Kawee Suthasub)
(2-003-ท-0004)
13/02/2026

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Request No : W6902018

Report No : 6902-0867

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 16
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
Sampling Source : EA Plant
Sample Name : จุดระบายน้ำฝนจาก Storm Water Diversion (TK-301)
Sampling By : ETC
Sampling Method : Grab
Tested Date : 03/02/2026 - 09/02/2026

Sample No. : W 69020049
Sampling Date : 02/02/2026
Sampling Time : 9:40 AM
Received Date : 03/02/2026
Reported Date : 13/02/2026

Parameter	Unit	Method	Result
Ammonia	mg/L as NH ₃	Distillation and Titrimetric Method (SM:4500-NH3 B, 4500-NH3 C)	6

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

Remark : 1. Parameter Outside The Scope of The Registration of Department of Industrial Works
2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
3. Sampling By Mr. Supharerk Phatklang
4. Sampling at UTM 47 P 731235 E 1404859 N



Examined By: (Miss Apiradee Chuen-arom)
13/02/2026

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Request No : W6902018
Report No : 6902-0868

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 16**
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**
Sampling Source : EA Plant**
Sample Name : บ่อปรับสมดุล Equalization Sump (TK-101)**
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 03/02/2026 - 13/02/2026
Sample No. : W 69020050
Sampling Date : 02/02/2026**
Sampling Time : 9:50 AM**
Received Date : 03/02/2026
Reported Date : 13/02/2026

Parameter	Unit	Method	Result
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	60.4
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	361
Formaldehyde *	mg/L	Distillation, Colorimetric Method	<0.50
Oil and Grease @	mg/L	Liquid - Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0
pH (on site) *		Electrometric Method	9.8
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	29
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540 C)	338
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	61
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540 D)	7

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

Remark : 1. @ = ISO/IEC 17025:2017 Accredited by TISI, # = ISO/IEC 17025:2017 Accredited by DSS, SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
2. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.
3. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang (1-003-ก-0031)*
4. ** = These data are non laboratory data.
5. Sampling at UTM 47 P 731233 E 1404850 N

Examined By : (Miss Apiradee Chuen-arom)
(1-003-ก-0007)
13/02/2026



Approved By : (Mr. Kawee Suthasub)
(1-003-ก-0004)
13/02/2026

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

Request No : W6902018

Report No : 6902-0868

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 16
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
Sampling Source : EA Plant
Sample Name : บ่อปรับสมดุล Equalization Sump (TK-101)
Sampling By : ETC
Sampling Method : Grab
Tested Date : 03/02/2026 - 13/02/2026
Sample No. : W 69020050
Sampling Date : 02/02/2026
Sampling Time : 9:50 AM
Received Date : 03/02/2026
Reported Date : 13/02/2026

Parameter	Unit	Method	Result
Ammonia	mg/L as NH ₃	Distillation and Titrimetric Method (SM:4500-NH3 B, 4500-NH3 C)	4

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

Remark : 1. Parameter Outside The Scope of The Registration of Department of Industrial Works
2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
3. Sampling By Mr. Supharerk Phatklang
4. Sampling at UTM 47 P 731233 E 1404850 N



Examined By : (Miss Apiradee Chuen-arom)
13/02/2026

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Request No : W6902018

Report No : 6902-0869

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 16**
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorad Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**
Sampling Source : EA Plant**
Sample Name : อุทธรบวบอธกน Neutralization Sump (TK-201)**
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 03/02/2026 - 13/02/2026

Sample No. : W 69020051
Sampling Date : 02/02/2026**
Sampling Time : 9:30 AM**
Received Date : 03/02/2026
Reported Date : 13/02/2026

Parameter	Unit	Method	Result
Biochemical Oxygen Demand [#]	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	41.7
Chemical Oxygen Demand [#]	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	345
Formaldehyde [*]	mg/L	Distillation, Colorimetric Method	< 0.50
Oil and Grease [@]	mg/L	Liquid - Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0
pH (on site) [*]		Electrometric Method	9.7
Temperature [*]	°C	Laboratory and Field Method (SM:2550 B)	30
Total Dissolved Solids [#]	mg/L	Dried at 180 degree celsius (SM:2540 C)	334
Total Kjeldahl Nitrogen [*]	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	62
Total Suspended Solids [#]	mg/L	Dried at 103-105 degree celsius (SM:2540 D)	7

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

- Remark : 1. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS, SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
2. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.
3. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharek Phatklang (2-003-0-0031)*
4. ** = These data are non laboratory data.
5. Sampling at UTM 47 P 731229 E 1404850 N

Examined By.....
(Miss Apiradee Chuen-arom)
(2-003-0-0007)
13/02/2026



Approved By.....
(Mr. Kawee Suthasub)
(2-003-0-0004)
13/02/2026

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

Request No : W6902018

Report No : 6902-0869

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 16
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorad Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
Sampling Source : EA Plant
Sample Name : อุทธรบวบอธกน Neutralization Sump (TK-201)
Sampling By : ETC
Sampling Method : Grab
Tested Date : 03/02/2026 - 13/02/2026

Sample No. : W 69020051
Sampling Date : 02/02/2026
Sampling Time : 9:30 AM
Received Date : 03/02/2026
Reported Date : 13/02/2026

Parameter	Unit	Method	Result
Ammonia	mg/L as NH ₃	Distillation and Titrimetric Method (SM:4500 -NH3 B, 4500 -NH3 C)	6

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

- Remark : 1. Parameter Outside The Scope of The Registration of Department of Industrial Works
2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
3. Sampling By Mr. Supharek Phatklang
4. Sampling at UTM 47 P 731229 E 1404850 N



Examined By.....
(Miss Apiradee Chuen-arom)
13/02/2026

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Request No : W6902018

TEST REPORT

Report No : 6902-0870

Customer : PTT Global Chemical Public Company Limited Branch 16**
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**
Sampling Source : EA Plant**
Sample Name : จุลินทรีย์ออกซิเจน Final Check Basin (TK-601)**
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 03/02/2026 - 09/02/2026

Sample No. : W 69020052
Sampling Date : 02/02/2026**
Sampling Time : 9:35 AM**
Received Date : 03/02/2026
Reported Date : 13/02/2026

Parameter	Unit	Method	Result	Standard ¹⁾
Biochemical Oxygen Demand [#]	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	205	≤ 500
Chemical Oxygen Demand [#]	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	393	≤ 750
Formaldehyde [*]	mg/L	Distillation, Colorimetric Method	< 0.50	≤ 1
Oil and Grease [@]	mg/L	Liquid - Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 10
pH (on site) [*]		Electrometric Method	8.1	5.5-9.0
Temperature [*]	°C	Laboratory and Field Method (SM:2550 B)	30	≤ 45
Total Dissolved Solids [#]	mg/L	Dried at 180 degree celsius (SM:2540 C)	368	≤ 3000
Total Kjeldahl Nitrogen [*]	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	79	≤ 100
Total Suspended Solids [#]	mg/L	Dried at 103-105 degree celsius (SM:2540 D)	10	≤ 200

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

Remark : 1./1 Notification of Industrial Estate Authority of Thailand 029 / 2567 (2024)
2. @ = ISO/IEC 17025:2017 Accredited by TISIL, # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharek Phatklang (2-003-0-0031)*
5. ** = These data are non laboratory data.
6. Sampling at UTM 47 P 731233 E 1404844 N

Examined By.....
(Miss Apiradee Chuen-arom)
(2-003-0-0007)
13/02/2026



Approved By.....
(Mr. Kawee Suthasub)
(2-003-0-0004)
13/02/2026

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Request No : W6902018

Report No : 6902-0870

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 16
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
Sampling Source : EA Plant
Sample Name : จุลินทรีย์ออกซิเจน Final Check Basin (TK-601)
Sampling By : ETC
Sampling Method : Grab
Tested Date : 03/02/2026 - 09/02/2026

Sample No. : W 69020052
Sampling Date : 02/02/2026
Sampling Time : 9:35 AM
Received Date : 03/02/2026
Reported Date : 13/02/2026

Parameter	Unit	Method	Result	Standard ¹⁾
Ammonia	mg/L as NH ₃	Distillation and Titrimetric Method (SM:4500 -NH ₃ B, 4500 -NH ₃ C)	84	-

Physical Appearance : 1. Sample : Wastewater (yellow, lightly SS)
2. Container : Normal [PE 0.5 L, PE 1.0 L, PE 1.8 L, G 1.0 L]
Remark : 1./1 Notification of Industrial Estate Authority of Thailand 029 / 2567 (2024)
2. Parameter Outside The Scope of The Registration of Department of Industrial Works
3. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
4. Sampling By Mr. Supharek Phatklang
5. Sampling at UTM 47 P 731233 E 1404844 N



Examined By.....
(Miss Apiradee Chuen-arom)
13/02/2026

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Request No : W6904608

Report No : 6905-0579

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 16**
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**
Sampling Source : EA Plant**
Sample Name : ชุดระบายน้ำฝนจาก Storm Water Diversion (TK-301)**
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 28/04/2026 - 09/05/2026
Sample No. : W 69041765
Sampling Date : 27/04/2026**
Sampling Time : 8:10 AM**
Received Date : 28/04/2026
Reported Date : 09/05/2026

Parameter	Unit	Method	Result
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	9.4
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50
Oil and Grease @	mg/L	Liquid - Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0
pH (on site) *		Electrometric Method	7.0
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	32
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540 C)	40
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	5
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540 D)	8

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

- Remark : 1. @ = ISO/IEC 17025:2017 Accredited by TISL, # = ISO/IEC 17025:2017 Accredited by DSS, SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
2. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.
3. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Suttha Songthaninai (2-003-ท-0010)**
4. ** = These data are non laboratory data.
5. Sampling at UTM 47 P 731235 E 1404859 N

Examined By: (Miss Apiradee Chuen-arom)
(2-003-ท-0007)
09/05/2026



Approved By: (Mr. Kawee Suthasub)
(2-003-ท-0004)
09/05/2026

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Request No : W6904608

Report No : 6905-0579

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 16
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
Sampling Source : EA Plant
Sample Name : ชุดระบายน้ำฝนจาก Storm Water Diversion (TK-301)
Sampling By : ETC
Sampling Method : Grab
Tested Date : 28/04/2026 - 09/05/2026
Sample No. : W 69041765
Sampling Date : 27/04/2026
Sampling Time : 8:10 AM
Received Date : 28/04/2026
Reported Date : 09/05/2026

Parameter	Unit	Method	Result
Ammonia	mg/L as NH ₃	Distillation and Titrimetric Method (SM:4500-NH3 B, 4500-NH3 C)	2

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

- Remark : 1. Parameter Outside The Scope of The Registration of Department of Industrial Works
2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
3. Sampling By Mr. Suttha Songthaninai
4. Sampling at UTM 47 P 731235 E 1404859 N



Examined By: (Miss Apiradee Chuen-arom)
09/05/2026

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Request No : W6904608

Report No : 6905-0580

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 16**
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**
Sampling Source : EA Plant** Sample No. : W 69041766
Sample Name : บ่อบำบัดน้ำเสีย Equalization Sump (TK-101)** Sampling Date : 27/04/2026**
Sampling By : ETC** Sampling Time : 8:20 AM**
Sampling Method : Grab** Received Date : 28/04/2026
Tested Date : 28/04/2026 - 09/05/2026 Reported Date : 09/05/2026

Parameter	Unit	Method	Result
Biochemical Oxygen Demand [#]	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	96.9
Chemical Oxygen Demand [#]	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	461
Formaldehyde [*]	mg/L	Distillation, Colorimetric Method	<0.50
Oil and Grease [@]	mg/L	Liquid - Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0
pH (on site) [*]		Electrometric Method	8.8
Temperature [*]	°C	Laboratory and Field Method (SM:2550 B)	37
Total Dissolved Solids [#]	mg/L	Dried at 180 degree celsius (SM:2540 C)	218
Total Kjeldahl Nitrogen [*]	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	82
Total Suspended Solids [#]	mg/L	Dried at 103-105 degree celsius (SM:2540 D)	8

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

Remark : 1. @ = ISO/IEC 17025:2017 Accredited by TISI, # = ISO/IEC 17025:2017 Accredited by DSS, SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
2. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.
3. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Suttha Songthaninai (2-003-0-0010)*
4. ** = These data are non laboratory data.
5. Sampling at UTM 47 P 731233 E 1404850 N

Examined By.....
(Miss Apiradee Chuen-arom)
(2-003-0-0007)
09/05/2026



Approved By.....
(Mr. Kawee Suthasub)
(2-003-0-0004)
09/05/2026

Signature of Mr. Kawee Suthasub

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Request No : W6904608

Report No : 6905-0580

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 16
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
Sampling Source : EA Plant Sample No. : W 69041766
Sample Name : บ่อบำบัดน้ำเสีย Equalization Sump (TK-101) Sampling Date : 27/04/2026
Sampling By : ETC Sampling Time : 8:20 AM
Sampling Method : Grab Received Date : 28/04/2026
Tested Date : 28/04/2026 - 09/05/2026 Reported Date : 09/05/2026

Parameter	Unit	Method	Result
Ammonia	mg/L as NH ₃	Distillation and Titrimetric Method (SM:4500-NH3 B, 4500-NH3 C)	8

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

Remark : 1. Parameter Outside The Scope of The Registration of Department of Industrial Works
2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
3. Sampling By Mr. Suttha Songthaninai
4. Sampling at UTM 47 P 731233 E 1404850 N



Examined By.....
(Miss Apiradee Chuen-arom)
09/05/2026

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Request No : W6904608

Report No : 6905-0581

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 16**
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**
Sampling Source : EA Plant**
Sample Name : จุกวัดน้ำออกจากรู Neutralization Sump (TK-201)**
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 28/04/2026 - 09/05/2026
Sample No. : W 69041767
Sampling Date : 27/04/2026**
Sampling Time : 8:15 AM**
Received Date : 28/04/2026
Reported Date : 09/05/2026

Parameter	Unit	Method	Result
Biochemical Oxygen Demand [#]	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	96.4
Chemical Oxygen Demand [#]	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	430
Formaldehyde [*]	mg/L	Distillation, Colorimetric Method	0.52
Oil and Grease [@]	mg/L	Liquid - Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0
pH (on site) [*]		Electrometric Method	8.7
Temperature [*]	°C	Laboratory and Field Method (SM:2550 B)	38
Total Dissolved Solids [#]	mg/L	Dried at 180 degree celsius (SM:2540 C)	270
Total Kjeldahl Nitrogen [*]	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	74
Total Suspended Solids [#]	mg/L	Dried at 103-105 degree celsius (SM:2540 D)	8

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

Remark : 1. @ = ISO/IEC 17025:2017 Accredited by TISI, # = ISO/IEC 17025:2017 Accredited by DSS, SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
2. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.
3. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Suttha Songthaninai (7-003-ท-0010)*
4. ** = These data are non laboratory data.
5. Sampling at UTM 47 P 731229 E 1404850 N

Examined By

(Miss Apiradee Chuen-arom)

(7-003-ท-0007)

09/05/2026



Approved By

(Mr. Kawee Suthasub)

(7-003-ท-0004)

09/05/2026

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

Request No : W6904608

Report No : 6905-0581

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 16
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
Sampling Source : EA Plant
Sample Name : จุกวัดน้ำออกจากรู Neutralization Sump (TK-201)
Sampling By : ETC
Sampling Method : Grab
Tested Date : 28/04/2026 - 09/05/2026
Sample No. : W 69041767
Sampling Date : 27/04/2026
Sampling Time : 8:15 AM
Received Date : 28/04/2026
Reported Date : 09/05/2026

Parameter	Unit	Method	Result
Ammonia	mg/L as NH ₃	Distillation and Titrimetric Method (SM:4500 -NH ₃ B, 4500 -NH ₃ C)	7

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

Remark : 1. Parameter Outside The Scope of The Registration of Department of Industrial Works
2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
3. Sampling By Mr. Suttha Songthaninai
4. Sampling at UTM 47 P 731229 E 1404850 N

Examined By

(Miss Apiradee Chuen-arom)

09/05/2026



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Request No : W6904608

Report No : 6905-0582

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 16**
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**
Sampling Source : EA Plant**
Sample Name : จุกตรวจบ่อบอกจากถัง Final Check Basin (TK-601)**
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 28/04/2026 - 09/05/2026
Sample No. : W 69041768
Sampling Date : 27/04/2026**
Sampling Time : 8:05 AM**
Received Date : 28/04/2026
Reported Date : 09/05/2026

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand [#]	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	124	≤ 500
Chemical Oxygen Demand [#]	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	399	≤ 750
Formaldehyde [*]	mg/L	Distillation, Colorimetric Method	< 0.50	≤ 1
Oil and Grease [@]	mg/L	Liquid - Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 10
pH (on site) [*]		Electrometric Method	7.5	5.5-9.0
Temperature [*]	°C	Laboratory and Field Method (SM:2550 B)	37	≤ 45
Total Dissolved Solids [#]	mg/L	Dried at 180 degree celsius (SM:2540 C)	272	≤ 3000
Total Kjeldahl Nitrogen [*]	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	85	≤ 100
Total Suspended Solids [#]	mg/L	Dried at 103-105 degree celsius (SM:2540 D)	15	≤ 200

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

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 029 / 2567 (2024)
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Sutha Songthaninai (7-003-0-0010)*
5. ** = These data are non laboratory data.
6. Sampling at UTM 47 P 731233 E 1404844 N

Examined By :
(Miss Apiradee Chuen-arom)
(7-003-0-0007)
09/05/2026



Approved By :
(Mr. Kawee Suthasub)
(7-003-0-0004)
09/05/2026

Signature of Mr. Kawee Suthasub

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

Request No : W6904608

Report No : 6905-0582

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 16
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
Sampling Source : EA Plant
Sample Name : จุกตรวจบ่อบอกจากถัง Final Check Basin (TK-601)
Sampling By : ETC
Sampling Method : Grab
Tested Date : 28/04/2026 - 09/05/2026
Sample No. : W 69041768
Sampling Date : 27/04/2026
Sampling Time : 8:05 AM
Received Date : 28/04/2026
Reported Date : 09/05/2026

Parameter	Unit	Method	Result	Standard ¹
Ammonia	mg/L as NH ₃	Distillation and Titrimetric Method (SM:4500-NH3 B, 4500-NH3 C)	39	-

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

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 029 / 2567 (2024)
2. Parameter Outside The Scope of The Registration of Department of Industrial Works
3. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
4. Sampling By Mr. Sutha Songthaninai
5. Sampling at UTM 47 P 731233 E 1404844 N



Examined By :
(Miss Apiradee Chuen-arom)
09/05/2026

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Request No : W6905159

Report No : 6905-1198

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 16**
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**
Sampling Source : EA Plant** Sample No. : W 69050491
Sample Name : จุดระบายน้ำจาก Storm Water Diversion (TK-301)** Sampling Date : 06/05/2026**
Sampling By : ETC** Sampling Time : 10:20 AM**
Sampling Method : Grab** Received Date : 07/05/2026
Tested Date : 07/05/2026 - 14/05/2026 Reported Date : 19/05/2026

Parameter	Unit	Method	Result
Biochemical Oxygen Demand [#]	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	13.2
Chemical Oxygen Demand [#]	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	42
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50
Oil and Grease [@]	mg/L	Liquid - Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0
pH (on site) *		Electrometric Method	6.7
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	31
Total Dissolved Solids [#]	mg/L	Dried at 180 degree celsius (SM:2540 C)	135
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	13
Total Suspended Solids [#]	mg/L	Dried at 103-105 degree celsius (SM:2540 D)	5

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

Remark : 1. @ = ISO/IEC 17025:2017 Accredited by TISI, # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
2. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.
3. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatkleng (1-003-0-0031)*
4. ** = These data are non laboratory data.
5. Sampling at UTM 47 P 731235 E 1404859 N

Examined By :
(Miss Apiradee Chuen-arom)
(1-003-0-0007)
19/05/2026



Approved By :
(Miss Nunnaphat Bakhuntod)
(1-003-0-0005)
19/05/2026

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

Request No : W6905159

Report No : 6905-1198

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 16
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
Sampling Source : EA Plant Sample No. : W 69050491
Sample Name : จุดระบายน้ำจาก Storm Water Diversion (TK-301) Sampling Date : 06/05/2026
Sampling By : ETC Sampling Time : 10:20 AM
Sampling Method : Grab Received Date : 07/05/2026
Tested Date : 07/05/2026 - 14/05/2026 Reported Date : 19/05/2026

Parameter	Unit	Method	Result
Ammonia	mg/L as NH ₃	Distillation and Titrimetric Method (SM:4500-NH3 B, 4500-NH3 C)	3

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

Remark : 1. Parameter Outside The Scope of The Registration of Department of Industrial Works
2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
3. Sampling By Mr. Supharerk Phatkleng
4. Sampling at UTM 47 P 731235 E 1404859 N



Examined By :
(Miss Apiradee Chuen-arom)
19/05/2026

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Request No : W6905159

Report No : 6905-1199

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 16**
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**
Sampling Source : EA Plant**
Sample Name : บ่อปรับสมดุล Equalization Sump (TK-101)**
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 07/05/2026 - 19/05/2026

Sample No. : W 69050492
Sampling Date : 06/05/2026**
Sampling Time : 10:25 AM**
Received Date : 07/05/2026
Reported Date : 19/05/2026

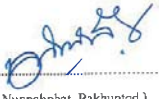
Parameter	Unit	Method	Result
Biochemical Oxygen Demand [#]	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	87.3
Chemical Oxygen Demand [#]	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	596
Formaldehyde [*]	mg/L	Distillation, Colorimetric Method	0.76
Oil and Grease [@]	mg/L	Liquid - Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0
pH (on site) [*]		Electrometric Method	9.4
Temperature [*]	°C	Laboratory and Field Method (SM:2550 B)	42
Total Dissolved Solids [#]	mg/L	Dried at 180 degree celsius (SM:2540 C)	328
Total Kjeldahl Nitrogen [*]	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	103
Total Suspended Solids [#]	mg/L	Dried at 103-105 degree celsius (SM:2540 D)	5

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

Remark : 1. @ = ISO/IEC 17025:2017 Accredited by TISI, # = ISO/IEC 17025:2017 Accredited by DSS, SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
2. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.
3. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang (7-003-P-0031)*
4. ** = These data are non laboratory data.
5. Sampling at UTM 47 P 731233 E 1404850 N

Examined By : 
(Miss Apiradee Chuen-arom)
(7-003-P-0007)
19/05/2026



Approved By : 
(Miss Nunnaphat Bakhuntod)
(7-003-P-0005)
19/05/2026

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Request No : W6905159

Report No : 6905-1199

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 16
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
Sampling Source : EA Plant
Sample Name : บ่อปรับสมดุล Equalization Sump (TK-101)
Sampling By : ETC
Sampling Method : Grab
Tested Date : 07/05/2026 - 19/05/2026

Sample No. : W 69050492
Sampling Date : 06/05/2026
Sampling Time : 10:25 AM
Received Date : 07/05/2026
Reported Date : 19/05/2026

Parameter	Unit	Method	Result
Ammonia	mg/L as NH ₃	Distillation and Titrimetric Method (SM:4500-NH3 B, 4500-NH3 C)	5

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

Remark : 1. Parameter Outside The Scope of The Registration of Department of Industrial Works
2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
3. Sampling By Mr. Supharerk Phatklang
4. Sampling at UTM 47 P 731233 E 1404850 N



Examined By : 
(Miss Apiradee Chuen-arom)
19/05/2026

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Request No : W6905159

Report No : 6905-1200

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 16**
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**
Sampling Source : EA Plant**
Sample Name : จุดรับน้ำทิ้ง Neutralization Sump (TK-201)**
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 07/05/2026 - 19/05/2026

Sample No. : W 69050493
Sampling Date : 06/05/2026**
Sampling Time : 10:10 AM**
Received Date : 07/05/2026
Reported Date : 19/05/2026

Parameter	Unit	Method	Result
Biochemical Oxygen Demand [#]	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	177
Chemical Oxygen Demand [#]	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	596
Formaldehyde [*]	mg/L	Distillation, Colorimetric Method	0.77
Oil and Grease [@]	mg/L	Liquid - Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0
pH (on site) [*]		Electrometric Method	3.2
Temperature [*]	°C	Laboratory and Field Method (SM:2550 B)	42
Total Dissolved Solids [#]	mg/L	Dried at 180 degree celsius (SM:2540 C)	1,448
Total Kjeldahl Nitrogen [*]	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	101
Total Suspended Solids [#]	mg/L	Dried at 103-105 degree celsius (SM:2540 D)	5

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

Remark : 1. @ = ISO/IEC 17025:2017 Accredited by TISL. # = ISO/IEC 17025:2017 Accredited by DSS.
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
2. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.
3. * = Test Report/Sampling marked Not Accredited. Sampling By Mr. Supharerk Phatklang (7-003-n-0031)**
4. ** = These data are non laboratory data.
5. Sampling at UTM 47 P 731229 E 1404850 N

Examined By:
(Miss Apiradee Chuen-arom)
(7-003-n-0007)
19/05/2026



Approved By:
(Miss Nunnaphat Bakhuntod)
(7-003-n-0005)
19/05/2026

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Request No : W6905159

TEST REPORT

Report No : 6905-1200

Customer : PTT Global Chemical Public Company Limited Branch 16
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
Sampling Source : EA Plant
Sample Name : จุดรับน้ำทิ้ง Neutralization Sump (TK-201)
Sampling By : ETC
Sampling Method : Grab
Tested Date : 07/05/2026 - 19/05/2026

Sample No. : W 69050493
Sampling Date : 06/05/2026
Sampling Time : 10:10 AM
Received Date : 07/05/2026
Reported Date : 19/05/2026

Parameter	Unit	Method	Result
Ammonia	mg/L as NH ₃	Distillation and Titrimetric Method (SM:4500 -NH ₃ B, 4500 -NH ₃ C)	5

Physical Appearance : 1. Sample : Wastewater (yellowish, lightly SS)
2. Container : Normal [PE 0.5 L, PE 1.0 L, PE 1.8 L, G 1.0 L]
Remark : 1. Parameter Outside The Scope of The Registration of Department of Industrial Works
2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
3. Sampling By Mr. Supharerk Phatklang
4. Sampling at UTM 47 P 731229 E 1404850 N



Examined By:
(Miss Apiradee Chuen-arom)
19/05/2026

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Request No : W6905603

Report No : 6906-0059

TEST REPORT

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

Sampling Source : EA Plant** Sample No. : W 69051801
Sample Name : จุดระบายออกจากถัง Final Check Basin (TK-601)** Sampling Date : 22/05/2026**
Sampling By : ETC** Sampling Time : 10:35 AM**
Sampling Method : Grab** Received Date : 23/05/2026
Tested Date : 23/05/2026 - 01/06/2026 Reported Date : 01/06/2026

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand [#]	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	140	≤ 500
Chemical Oxygen Demand [#]	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	347	≤ 750
Formaldehyde [*]	mg/L	Distillation, Colorimetric Method	< 0.50	≤ 1
Oil and Grease [@]	mg/L	Liquid - Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 10
pH (on site) [*]		Electrometric Method	6.7	5.5-9.0
Temperature [*]	°C	Laboratory and Field Method (SM:2550 B)	34	≤ 45
Total Dissolved Solids [#]	mg/L	Dried at 180 degree celsius (SM:2540 C)	408	≤ 3000
Total Kjeldahl Nitrogen [*]	mg/L as NH ₄ -N	Macro Kjeldahl Method (SM:4500-Norg B)	63	≤ 100
Total Suspended Solids [#]	mg/L	Dried at 103-105 degree celsius (SM:2540 D)	11	≤ 200

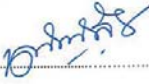
Physical Appearance : 1. Sample : Wastewater (yellowish, lightly SS)
2. Container : Normal [PE 0.5 L, PE 1.0 L, PE 1.8 L, G 1.0 L]

- Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 029 / 2567 (2024)
2. @ = ISO/IEC 17025:2017 Accredited by TISI, # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Metee Sukprasert (7-003-ท-0035)**
5. ** = These data are non laboratory data.
6. Sampling at UTM 47 P 731233 E 1404844 N

Examined By 
(Miss Apiradee Chuen-arom)
(7-003-ท-0007)
01/06/2026



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Approved By 
(Miss Nunnaphat Bakhuntod)
(7-003-ท-0005)
01/06/2026

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Request No : W6905603

TEST REPORT

Report No : 6906-0059

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

Sampling Source : EA Plant Sample No. : W 69051801
Sample Name : จุดระบายออกจากถัง Final Check Basin (TK-601) Sampling Date : 22/05/2026
Sampling By : ETC Sampling Time : 10:35 AM
Sampling Method : Grab Received Date : 23/05/2026
Tested Date : 23/05/2026 - 01/06/2026 Reported Date : 01/06/2026

Parameter	Unit	Method	Result	Standard ¹
Ammonia	mg/L as NH ₃	Distillation and Titrimetric Method (SM:4500-NH3 B, 4500-NH3 C)	67	-

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

- Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 029 / 2567 (2024)
2. Parameter Outside The Scope of The Registration of Department of Industrial Works
3. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
4. Sampling By Mr. Metee Sukprasert
5. Sampling at UTM 47 P 731233 E 1404844 N



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By 
(Miss Apiradee Chuen-arom)
01/06/2026

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Request No : W6907007

Report No : 6907-0557

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 16**
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**
Sampling Source : EA Plant**
Sample Name : จุดระบายน้ำฝนจาก Storm Water Diversion (TK-301)**
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 01/07/2026 - 09/07/2026

Sample No. : W 69070018
Sampling Date : 30/06/2026**
Sampling Time : 10:35 AM**
Received Date : 01/07/2026
Reported Date : 10/07/2026

Parameter	Unit	Method	Result
Biochemical Oxygen Demand [#]	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	12.7
Chemical Oxygen Demand [#]	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	56
Formaldehyde [*]	mg/L	Distillation, Colorimetric Method	< 0.50
Oil and Grease [@]	mg/L	Liquid - Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0
pH (on site) [*]		Electrometric Method	7.4
Temperature [*]	°C	Laboratory and Field Method (SM:2550 B)	31
Total Dissolved Solids [#]	mg/L	Dried at 180 degree celsius (SM:2540 C)	180
Total Kjeldahl Nitrogen [*]	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	34
Total Suspended Solids [#]	mg/L	Dried at 103-105 degree celsius (SM:2540 D)	5

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

Remark : 1. @ = ISO/IEC 17025:2017 Accredited by TISI, # = ISO/IEC 17025:2017 Accredited by DSS, SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
2. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhontod is Technical Management.
3. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Teersong Naulin (T-003-ท-0014)*
4. ** = These data are non laboratory data.
5. Sampling at UTM 47 P 731235 E 1404859 N

Examined By :
(Miss Apiradee Chuen-arom)
(T-003-ท-0007)
10/07/2026



Approved By :
(Miss Nunnaphat Bakhontod)
(T-003-ท-0005)
10/07/2026

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

Request No : W6907007

Report No : 6907-0557

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 16
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
Sampling Source : EA Plant
Sample Name : จุดระบายน้ำฝนจาก Storm Water Diversion (TK-301)
Sampling By : ETC
Sampling Method : Grab
Tested Date : 01/07/2026 - 09/07/2026

Sample No. : W 69070018
Sampling Date : 30/06/2026
Sampling Time : 10:35 AM
Received Date : 01/07/2026
Reported Date : 10/07/2026

Parameter	Unit	Method	Result
Ammonia	mg/L as NH ₃	Distillation and Titrimetric Method (SM:4500-NH3 B, 4500-NH3 C)	30

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

Remark : 1. Parameter Outside The Scope of The Registration of Department of Industrial Works
2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
3. Sampling By Mr. Teersong Naulin
4. Sampling at UTM 47 P 731235 E 1404859 N



Examined By :
(Miss Apiradee Chuen-arom)
10/07/2026

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Request No : W6907007

Report No : 6907-0558

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 16**
Address : 9-9/I Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut,
Amphur Muang Rayong, Rayong 21150**
Sampling Source : EA Plant**
Sample Name : บ่อปรับสมดุล Equalization Sump (TK-101)**
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 01/07/2026 – 09/07/2026

Sample No. : W 69070019
Sampling Date : 30/06/2026**
Sampling Time : 10:40 AM**
Received Date : 01/07/2026
Reported Date : 10/07/2026

Parameter	Unit	Method	Result
Biochemical Oxygen Demand [#]	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	65.8
Chemical Oxygen Demand [#]	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	494
Formaldehyde [*]	mg/L	Distillation, Colorimetric Method	< 0.50
Oil and Grease [@]	mg/L	Liquid – Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0
pH (on site) [*]		Electrometric Method	9.8
Temperature [*]	°C	Laboratory and Field Method (SM:2550 B)	36
Total Dissolved Solids [#]	mg/L	Dried at 180 degree celsius (SM:2540 C)	352
Total Kjeldahl Nitrogen [*]	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	86
Total Suspended Solids [#]	mg/L	Dried at 103-105 degree celsius (SM:2540 D)	< 5

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

Remark : 1. @ = ISO/IEC 17025:2017 Accredited by TISL, # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
2. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.
3. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Teerapong Naulin (1-003-P-0014)*
4. ** = These data are non laboratory data.
5. Sampling at UTM 47 P 731233 E 1404850 N

Examined By: 
(Miss Apiradee Chuen-arom)

(1-003-P-0007)
10/07/2026



Approved By: 
(Miss Nunnaphat Bakhuntod)

(1-003-P-0005)
10/07/2026

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Request No : W6907007

TEST REPORT

Report No : 6907-0558

Customer : PTT Global Chemical Public Company Limited Branch 16
Address : 9-9/I Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut,
Amphur Muang Rayong, Rayong 21150
Sampling Source : EA Plant
Sample Name : บ่อปรับสมดุล Equalization Sump (TK-101)
Sampling By : ETC
Sampling Method : Grab
Tested Date : 01/07/2026 – 09/07/2026

Sample No. : W 69070019
Sampling Date : 30/06/2026
Sampling Time : 10:40 AM
Received Date : 01/07/2026
Reported Date : 10/07/2026

Parameter	Unit	Method	Result
Ammonia	mg/L as NH ₃	Distillation and Titrimetric Method (SM:4500-NH3 B, 4500-NH3 C)	8

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

Remark : 1. Parameter Outside The Scope of The Registration of Department of Industrial Works
2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
3. Sampling By Mr. Teerapong Naulin
4. Sampling at UTM 47 P 731233 E 1404850 N



Examined By: 
(Miss Apiradee Chuen-arom)

(1-003-P-0007)
10/07/2026

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Request No : W6906302

Report No : 6906-1280

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 16**
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**
Sampling Source : EA Plant**
Sample Name : ชุดระบบบำบัดน้ำ Neutralization Sump (TK-201)**
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 11/06/2026 - 19/06/2026

Sample No. : W 69060918
Sampling Date : 10/06/2026**
Sampling Time : 10:00 AM**
Received Date : 11/06/2026
Reported Date : 22/06/2026

Parameter	Unit	Method	Result
Biochemical Oxygen Demand [#]	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	150
Chemical Oxygen Demand [#]	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	449
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50
Oil and Grease [@]	mg/L	Liquid - Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0
pH (on site) *		Electrometric Method	6.4
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	32
Total Dissolved Solids [#]	mg/L	Dried at 180 degree celsius (SM:2540 C)	512
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	79
Total Suspended Solids [#]	mg/L	Dried at 103-105 degree celsius (SM:2540 D)	14

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

Remark : 1. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS, SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
2. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.
3. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phakklang (7-003-0-0031)*
4. ** = These data are non laboratory data.
5. Sampling at UTM 47 P 731229 E 1404850 N

Examined By: (Miss Apiradee Chuen-arom)
(7-003-0-0007)
22/06/2026



Approved By: (Miss Nunnaphat Bakhuntod)
(7-003-0-0005)
22/06/2026

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Request No : W6906302

Report No : 6906-1280

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 16
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
Sampling Source : EA Plant
Sample Name : ชุดระบบบำบัดน้ำ Neutralization Sump (TK-201)
Sampling By : ETC
Sampling Method : Grab
Tested Date : 11/06/2026 - 19/06/2026

Sample No. : W 69060918
Sampling Date : 10/06/2026
Sampling Time : 10:00 AM
Received Date : 11/06/2026
Reported Date : 22/06/2026

Parameter	Unit	Method	Result
Ammonia	mg/L as NH ₃	Distillation and Titrimetric Method (SM:4500-NH3 B, 4500-NH3 C)	38

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

Remark : 1. Parameter Outside The Scope of The Registration of Department of Industrial Works
2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
3. Sampling By Mr. Supharerk Phakklang
4. Sampling at UTM 47 P 731229 E 1404850 N



Examined By: (Miss Apiradee Chuen-arom)
22/06/2026

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Request No : W6906302

Report No : 6906-1281

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 16**
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150**
Sampling Source : EA Plant**
Sample Name : จุดระบายน้ำออกจากถัง Final Check Basin (TK-601)**
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 11/06/2026 – 19/06/2026
Sample No. : W 69060919
Sampling Date : 10/06/2026**
Sampling Time : 9:45 AM**
Received Date : 11/06/2026
Reported Date : 22/06/2026

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand [#]	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	44.0	≤ 500
Chemical Oxygen Demand [#]	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	184	≤ 750
Formaldehyde [*]	mg/L	Distillation, Colorimetric Method	< 0.50	≤ 1
Oil and Grease [@]	mg/L	Liquid – Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 10
pH (on site) [*]		Electrometric Method	6.8	5.5-9.0
Temperature [*]	°C	Laboratory and Field Method (SM:2550 B)	33	≤ 45
Total Dissolved Solids [#]	mg/L	Dried at 180 degree celsius (SM:2540 C)	378	≤ 3000
Total Kjeldahl Nitrogen [*]	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	21	≤ 100
Total Suspended Solids [#]	mg/L	Dried at 103-105 degree celsius (SM:2540 D)	7	≤ 200

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

- Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 029 / 2567 (2024)
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS, SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharet Phatklang (1-003-0-0031)*
5. ** = These data are non laboratory data.
6. Sampling at UTM 47 P 731233 E 1404844 N

Examined By: (Miss Apiradee Chuen-arom)
(1-003-0-0007)
22/06/2026



Approved By: (Miss Nunnaphat Bakhuntod)
(1-003-0-0005)
22/06/2026

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

Request No : W6906302

Report No : 6906-1281

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 16
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
Sampling Source : EA Plant
Sample Name : จุดระบายน้ำออกจากถัง Final Check Basin (TK-601)
Sampling By : ETC
Sampling Method : Grab
Tested Date : 11/06/2026 – 19/06/2026
Sample No. : W 69060919
Sampling Date : 10/06/2026
Sampling Time : 9:45 AM
Received Date : 11/06/2026
Reported Date : 22/06/2026

Parameter	Unit	Method	Result	Standard ¹
Ammonia	mg/L as NH ₃	Distillation and Titrimetric Method (SM:4500 -NH3 B, 4500 -NH3 C)	16	-

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

- Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 029 / 2567 (2024)
2. Parameter Outside The Scope of The Registration of Department of Industrial Works
3. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.
4. Sampling By Mr. Supharet Phatklang
5. Sampling at UTM 47 P 731233 E 1404844 N



Examined By: (Miss Apiradee Chuen-arom)
22/06/2026

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Request No. ATR6905006
Report No. 6905-0056

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
ADDRESS : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
SAMPLE SOURCE : EA Plant
SAMPLE NAME : ปริมาณ Ammonia Vent Scrubber (Area) (A2014) (ต้นแบบ)
SAMPLING DATE : 27/04/2026 SAMPLE NO. : A69050056
RECEIVED DATE : 04/05/2026 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 04/05/2026-08/05/2026
Serial No. 218432 REPORTED DATE : 18/05/2026

PARAMETER*	TEST METHOD	RESULT	STD ¹⁾	UNIT
Ammonia	Ion Chromatography Method(NIOSH6016)	< 0.200	35	mg/m ³
		< 0.280	50	ppm

REMARK: ¹⁾ Notification of The Department of Labour Protection and Welfare B.E.2560 (2017), Concentration Limits of Hazardous Chemicals.
* Parameter have License Registration of Department of Labour Protection and Welfare No.0201-03-2564-0008 and No.0202-03-2564-0005.
(Sampling By Mr. Weerachai Porjai)
GPS = Sampling at UTM 47 P 731262E 1404912N

Examined By 
(Miss Thanatporn Khinsopon)
18/05/2026



Approved By 
(Mr. Kawee Suthasub)
18/05/2026

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Request No. ATR6906040
Report No. 6906-0682

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
ADDRESS : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
SAMPLE SOURCE : EA Plant
SAMPLE NAME : ปริมาณ Ammonia Vent Scrubber (Area) (A2014) (ต้นแบบ)
SAMPLING DATE : 09/06/2026 SAMPLE NO. : A69060682
RECEIVED DATE : 11/06/2026 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 11/06/2026-15/06/2026
Serial No. 218388 REPORTED DATE : 26/06/2026

PARAMETER*	TEST METHOD	RESULT	STD ¹⁾	UNIT
Ammonia	Ion Chromatography Method(NIOSH6016)	< 0.200	35	mg/m ³
		< 0.280	50	ppm

REMARK: ¹⁾ Notification of The Department of Labour Protection and Welfare B.E.2560 (2017), Concentration Limits of Hazardous Chemicals.
* Parameter have License Registration of Department of Labour Protection and Welfare No.0201-03-2564-0008 and No.0202-03-2564-0005.
(Sampling By Mr. Weerachai Porjai)
GPS = Sampling at UTM 47 P 731262E 1404912N

Examined By 
(Miss Thanatporn Khinsopon)
26/06/2026



Approved By 
(Mr. Kawee Suthasub)
26/06/2026

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Request No. ATR6905006

Report No. 6905-0057

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch16
 ADDRESS : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorad Road, Tambon
 Map Ta Phut, Amphur Muang Rayong, Rayong 21150
 SAMPLE SOURCE : EA Plant
 SAMPLE NAME : พื้นที่กระบวนการผลิต (Area) (P2054) SAMPLE NO : A69050057
 SAMPLING DATE : 27/04/2026 SAMPLING TIME : 07:00-19:00
 RECEIVED DATE : 29/04/2026 TESTED DATE : 05/05/2026
 SAMPLING INSTRUMENT : Passive Sampling REPORTED DATE : 18/05/2026

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

REMARK:

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

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

** Parameter have License Registration of Department of Labour Protection and Welfare No.0201-03-2564-0008
 Sampling By Eastern Thai Consulting 1992 Co.,Ltd., (Mr. Weerachai Porjai)
 Analysed By SECOT Co.,Ltd. / GPS = Sampling at UTM 47 P 731245E 1404907N



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

(Miss Thanaporn Klinsepon)

18/05/2026

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Request No. ATR6906040

Report No. 6906-0683

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch16
 ADDRESS : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorad Road, Tambon
 Map Ta Phut, Amphur Muang Rayong, Rayong 21150
 SAMPLE SOURCE : EA Plant
 SAMPLE NAME : พื้นที่กระบวนการผลิต (Area) (P2054) SAMPLE NO : A69060683
 SAMPLING DATE : 09/06/2026 SAMPLING TIME : 07:00-19:00
 RECEIVED DATE : 12/06/2026 TESTED DATE : 22/06/2026
 SAMPLING INSTRUMENT : Passive Sampling REPORTED DATE : 26/06/2026

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

REMARK:

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

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

** Parameter have License Registration of Department of Labour Protection and Welfare No.0201-03-2564-0008
 Sampling By Eastern Thai Consulting 1992 Co.,Ltd., (Mr. Weerachai Porjai)
 Analysed By SECOT Co.,Ltd. / GPS = Sampling at UTM 47 P 731245E 1404907N



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(Miss Thanaporn Klinsepon)

26/06/2026

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EASTERN THAI CONSULTING 1992 CO., LTD.

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

Request No. LA69-R0507

Report No. R6905-0268

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorai Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
SAMPLE SOURCE : EA Plant
SAMPLE POINT : กระบวนการผลิต
PARAMETER* : L_{eq} 1 hr., L_{eq} 8 hr. & L_{max}
DETERMINATION METHOD : ISO 11202:2010 SAMPLE NO. : 11794
INSTRUMENT : Integrated Sound Level Meter MEASURING DATE : 27/04/2026
S/N 00322745 : Class 2 RECEIVED DATE : 27/04/2026
Sound Level Calibrator : S/N 34234715 REPORTED DATE : 05/05/2026

MEASURING TIME	RESULT		UNIT
	L_{eq} 1 hr.	L_{max}	
07:00 - 08:00	80.5	89.1	dB(A)
08:00 - 09:00	80.4	81.1	dB(A)
09:00 - 10:00	80.3	80.9	dB(A)
10:00 - 11:00	80.2	81.0	dB(A)
11:00 - 12:00	80.2	80.9	dB(A)
12:00 - 13:00	80.1	80.8	dB(A)
13:00 - 14:00	80.1	80.7	dB(A)
14:00 - 15:00	80.1	80.7	dB(A)
L_{eq} 8 hr.	80.2	-	dB(A)
Standard	90 ¹	140 ¹ , 115 ²	dB(A)

REMARK : ¹ Notification of The Ministry of Industry B.E. 2546 (2003)

² Regulation of The Ministry of Labour B.E. 2559 (2016)

* Measurement By Ms. Ramanee Nakket



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

(MRS. WANPEN LHAOCHINDAWAT)

05/05/2026

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Request No. LA69-R0682

Report No. R6906-3689

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorai Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
SAMPLE SOURCE : EA Plant
SAMPLE POINT : กระบวนการผลิต
PARAMETER* : L_{eq} 1 hr., L_{eq} 8 hr. & L_{max}
DETERMINATION METHOD : ISO 11202:2010 SAMPLE NO. : 19684
INSTRUMENT : Integrated Sound Level Meter MEASURING DATE : 09/06/2026
S/N 00322746 : Class 2 RECEIVED DATE : 09/06/2026
Sound Level Calibrator : S/N 34302326 REPORTED DATE : 17/06/2026

MEASURING TIME	RESULT		UNIT
	L_{eq} 1 hr.	L_{max}	
07:00 - 08:00	80.2	80.9	dB(A)
08:00 - 09:00	80.2	80.9	dB(A)
09:00 - 10:00	80.1	80.7	dB(A)
10:00 - 11:00	80.2	80.8	dB(A)
11:00 - 12:00	80.1	80.8	dB(A)
12:00 - 13:00	80.1	80.8	dB(A)
13:00 - 14:00	80.1	80.8	dB(A)
14:00 - 15:00	80.1	80.8	dB(A)
L_{eq} 8 hr.	80.1	-	dB(A)
Standard	90 ¹	140 ¹ , 115 ²	dB(A)

REMARK : ¹ Notification of The Ministry of Industry B.E. 2546 (2003)

² Regulation of The Ministry of Labour B.E. 2559 (2016)

* Measurement By Ms. Ratmanee Nakket



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(MRS. WANPEN LHAOCHINDAWAT)

17/06/2026

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ภาคผนวก ค.2

ผลการติดตามตรวจสอบ (เพิ่มเติมด้านสุขศาสตร์อุตสาหกรรม)

บริษัท อีสเทิร์น ไทย คอนซัลติ้ง 1992 จำกัด

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

Request No. ATR6905004

Report No. 6905-0050

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
ADDRESS : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
SAMPLE SOURCE : EA Plant
SAMPLE NAME : Tank Load Area - Ammonia Tank
SAMPLING DATE : 27/04/2026 SAMPLE NO. : A69050050
RECEIVED DATE : 04/05/2026 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 04/05/2026-08/05/2026
Serial No. 218402 REPORTED DATE : 18/05/2026

PARAMETER*	TEST METHOD	RESULT	STD ¹⁾	UNIT
Ammonia	Ion Chromatography Method(NIOSH6016)	< 0.200	35	mg/m ³
		< 0.280	50	ppm

REMARK:

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

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

(Sampling By Mr. Weerachai Porjai)

GPS = Sampling at UTM 47 P 731188E 1404796N

Examined By 
(Miss Thanaporn Klinsoopon)
18/05/2026



Approved By 
(Mr. Kawee Suthasub)
18/05/2026

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

Request No. ATR6905004

Report No. 6905-0051

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
ADDRESS : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
SAMPLE SOURCE : EA Plant
SAMPLE NAME : Tank Load Area - Ammonia Tank (คุณสมบัติแก้แค้น)
SAMPLING DATE : 27/04/2026 SAMPLE NO. : A69050051
RECEIVED DATE : 04/05/2026 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 04/05/2026-08/05/2026
Serial No. 218445 REPORTED DATE : 18/05/2026

PARAMETER*	TEST METHOD	RESULT	STD ¹⁾	UNIT
Ammonia	Ion Chromatography Method(NIOSH6016)	< 0.200	35	mg/m ³
		< 0.280	50	ppm

REMARK:

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

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

(Sampling By Mr. Weerachai Porjai)

Examined By 
(Miss Thanaporn Klinsoopon)
18/05/2026



Approved By 
(Mr. Kawee Suthasub)
18/05/2026

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Request No. ATR6905004

Report No. 6905-0052

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch16
 ADDRESS : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraoral Road, Tambon
 Map Ta Phut, Amphur Muang Rayong, Rayong 21150
 SAMPLE SOURCE : EA Plant
 SAMPLE NAME : EO Pump (กลุ่มพีรณัฐ เพ็ชรรัตน์) SAMPLE NO : A69050052
 SAMPLING DATE : 27/04/2026 SAMPLING TIME : 07:00-19:00
 RECEIVED DATE : 29/04/2026 TESTED DATE : 05/05/2026
 SAMPLING INSTRUMENT : Passive Sampling REPORTED DATE : 18/05/2026

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

REMARK:

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

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

** Parameter have License Registration of Department of Labour Protection and Welfare No.0201-03-2564-0008
 Sampling By Eastern Thai Consulting 1992 Co.,Ltd., (Mr.Weerachai Porjai)
 Analysed By SECOT Co.,Ltd.



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Examined By

K. Thanetporn

(Miss Thanetporn Klinsepon)

18/05/2026

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