

Request No. LA67-0542

Report No. 6706-0044

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 SAMPLE NO. : 01791
SAMPLING DATE : 20/05/2024 SAMPLING TIME : 09:50-10:30
RECEIVED DATE : 23/05/2024 REPORTED DATE : 08/06/2024
TESTED DATE : 23/05/2024-01/06/2024

STACK DESCRIPTION

Height :	14.00	m	Type of Process :	Exhaust
Diameter :	0.15	m	Type of Fuel :	-
Temperature :	31.00	°C	Oxygen Content :	20.90 %
Air Velocity :	2.22	m/s	Barometric Pressure :	752.50 mmHg
Flow rate ² :	0.04	m ³ /s	Atmospheric Temperature :	34.00 °C
Moisture Content :	5.16	%		

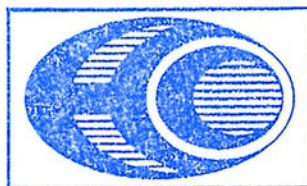
PARAMETER	TEST METHOD	TIME	RESULT ²	STD ¹	UNIT
Ammonia ³	U.S.EPA Method CTM 027	09:50-10:30	0.315	35	mg/m ³
(NH ₃)			0.452	50	ppm

REMARK:

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

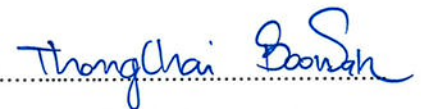
Analysed By SECOT Co.,Ltd.

Sampling at UTM 47P 731282E 1404902N



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By...



(Mr. Thongchai Boonsak)

08/06/2024

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Request No. LA67-R05129

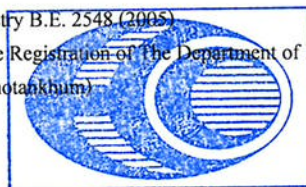
Report No. R6705-3698

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
SAMPLE SOURCE : EA Plant
SAMPLE POINT : บริเวณริมรั้วด้านทิศใต้
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn}
DETERMINATION METHOD : ISO 1996-1:2016
INSTRUMENT : Integrated Sound Level Meter
S/N 00310455 : Class 2

SAMPLE NO. : 14246
MEASURING DATE : 08-09/05/2024
RECEIVED DATE : 15/05/2024
REPORTED DATE : 28/05/2024

TIME \ DATE	08-09/05/2024 (L_{eq})	08-09/05/2024 (L_{max})	08-09/05/2024 (L_{90})	UNIT
10:00 - 11:00 ³	65.4	86.1	63.0	dB(A)
11:00 - 12:00	61.7	95.6	58.2	dB(A)
12:00 - 13:00	59.3	83.0	57.7	dB(A)
13:00 - 14:00	62.5	86.5	60.6	dB(A)
14:00 - 15:00	64.2	83.5	61.6	dB(A)
15:00 - 16:00	62.9	87.6	60.5	dB(A)
16:00 - 17:00	62.5	81.5	59.6	dB(A)
17:00 - 18:00	61.0	87.9	59.5	dB(A)
18:00 - 19:00	60.0	80.6	58.1	dB(A)
19:00 - 20:00	58.4	74.6	57.3	dB(A)
20:00 - 21:00	58.2	73.2	57.2	dB(A)
21:00 - 22:00	57.6	71.8	56.8	dB(A)
22:00 - 23:00	57.4	66.5	56.8	dB(A)
23:00 - 00:00	57.1	65.4	56.5	dB(A)
00:00 - 01:00	57.2	73.0	56.7	dB(A)
01:00 - 02:00	57.3	67.6	56.7	dB(A)
02:00 - 03:00	57.6	67.6	57.0	dB(A)
03:00 - 04:00	57.2	59.7	56.8	dB(A)
04:00 - 05:00	57.1	64.5	56.6	dB(A)
05:00 - 06:00	57.3	65.0	56.7	dB(A)
06:00 - 07:00	57.5	68.5	56.8	dB(A)
07:00 - 08:00	59.4	79.6	57.5	dB(A)
08:00 - 09:00	61.9	84.3	57.8	dB(A)
09:00 - 10:00	62.9	92.3	59.6	dB(A)
L_{eq} 24 hr.	60.6	-	-	dB(A)
L_{dn}	64.7	-	-	dB(A)
Maximum	-	95.6	-	dB(A)
Standard	70 ¹ , 70 ²	115 ¹ , 115 ²	-	dB(A)

REMARK : ¹ Notification of Office of The National Environmental Board Volume 15 B.E. 2540 (1997)² Notification of Ministry of the Industry B.E. 2548 (2005)* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummarut Photankhum)³ Start Time

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....
(MRS. WANPEN LHAOCHINDAWAT)

28/05/2024

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Request No. LA67-R05129

Report No. R6705-3699

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
SAMPLE SOURCE : EA Plant
SAMPLE POINT : บริเวณริมรั้วด้านทิศใต้
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn}
DETERMINATION METHOD : ISO 1996-1:2016
INSTRUMENT : Integrated Sound Level Meter
S/N 00310455 : Class 2

SAMPLE NO. : 14247
MEASURING DATE : 09-10/05/2024
RECEIVED DATE : 15/05/2024
REPORTED DATE : 28/05/2024

TIME \ DATE	09-10/05/2024 (L_{eq})	09-10/05/2024 (L_{max})	09-10/05/2024 (L_{90})	UNIT
10:00 - 11:00 ³	64.7	96.0	59.9	dB(A)
11:00 - 12:00	62.9	82.6	60.8	dB(A)
12:00 - 13:00	60.0	69.2	58.8	dB(A)
13:00 - 14:00	63.2	80.0	61.9	dB(A)
14:00 - 15:00	64.1	94.4	61.3	dB(A)
15:00 - 16:00	61.2	80.1	58.5	dB(A)
16:00 - 17:00	57.4	78.1	56.1	dB(A)
17:00 - 18:00	54.6	76.7	53.6	dB(A)
18:00 - 19:00	54.3	66.2	53.2	dB(A)
19:00 - 20:00	55.7	78.1	54.0	dB(A)
20:00 - 21:00	55.2	73.6	54.1	dB(A)
21:00 - 22:00	55.0	66.0	54.4	dB(A)
22:00 - 23:00	54.8	63.9	54.3	dB(A)
23:00 - 00:00	57.0	74.1	56.3	dB(A)
00:00 - 01:00	56.1	66.8	55.4	dB(A)
01:00 - 02:00	55.4	70.8	54.7	dB(A)
02:00 - 03:00	55.6	65.8	55.0	dB(A)
03:00 - 04:00	56.1	64.5	55.6	dB(A)
04:00 - 05:00	56.7	65.9	56.3	dB(A)
05:00 - 06:00	56.3	62.8	55.9	dB(A)
06:00 - 07:00	56.7	69.0	56.0	dB(A)
07:00 - 08:00	58.5	78.0	56.2	dB(A)
08:00 - 09:00	67.4	89.7	66.1	dB(A)
09:00 - 10:00	62.7	94.5	58.5	dB(A)
L_{eq} 24 hr.	60.3	-	-	dB(A)
L_{dn}	63.9	-	-	dB(A)
Maximum	-	96.0	-	dB(A)
Standard	$70^{1/1}, 70^{1/2}$	$115^{1/1}, 115^{1/2}$	-	dB(A)

REMARK : ^{1/1} Notification of Office of The National Environmental Board Volume 15 B.E. 2540 (1997)^{1/2} Notification of Ministry of the Industry B.E. 2548 (2005)* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummarut Photakham)³ Start Time

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

28/05/2024

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Request No. LA67-R05129

Report No. R6705-3700

TEST REPORT

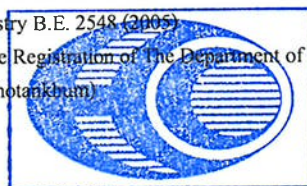
CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
SAMPLE SOURCE : EA Plant
SAMPLE POINT : บริเวณริมรั้วด้านทิศใต้
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn}
DETERMINATION METHOD : ISO 1996-1:2016
INSTRUMENT : Integrated Sound Level Meter
S/N 00310455 : Class 2
SAMPLE NO. : 14248
MEASURING DATE : 10-11/05/2024
RECEIVED DATE : 15/05/2024
REPORTED DATE : 28/05/2024

TIME \ DATE	10-11/05/2024 (L_{eq})	10-11/05/2024 (L_{max})	10-11/05/2024 (L_{90})	UNIT
10:00 - 11:00 ³	64.6	95.4	61.6	dB(A)
11:00 - 12:00	63.6	96.4	59.0	dB(A)
12:00 - 13:00	65.2	96.8	61.9	dB(A)
13:00 - 14:00	66.5	86.2	65.4	dB(A)
14:00 - 15:00	62.0	83.3	59.6	dB(A)
15:00 - 16:00	62.9	84.2	60.8	dB(A)
16:00 - 17:00	64.0	87.6	60.9	dB(A)
17:00 - 18:00	59.0	75.0	57.6	dB(A)
18:00 - 19:00	58.0	66.7	56.9	dB(A)
19:00 - 20:00	58.7	80.9	57.2	dB(A)
20:00 - 21:00	57.9	67.9	57.1	dB(A)
21:00 - 22:00	57.4	66.7	56.7	dB(A)
22:00 - 23:00	57.4	67.5	56.7	dB(A)
23:00 - 00:00	57.3	65.0	56.6	dB(A)
00:00 - 01:00	57.4	64.9	56.7	dB(A)
01:00 - 02:00	57.2	81.1	56.3	dB(A)
02:00 - 03:00	56.9	64.0	56.4	dB(A)
03:00 - 04:00	56.1	65.8	55.6	dB(A)
04:00 - 05:00	56.3	67.8	55.6	dB(A)
05:00 - 06:00	56.7	74.0	55.8	dB(A)
06:00 - 07:00	56.9	79.0	55.9	dB(A)
07:00 - 08:00	58.1	77.6	56.1	dB(A)
08:00 - 09:00	60.6	85.6	56.1	dB(A)
09:00 - 10:00	62.5	83.4	60.6	dB(A)
L_{eq} 24 hr.	61.0	-	-	dB(A)
L_{dn}	64.7	-	-	dB(A)
Maximum	-	96.8	-	dB(A)
Standard	70 ¹ , 70 ²	115 ¹ , 115 ²	-	dB(A)

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

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

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....
(MRS. WANPEN LHAOCHINDAWAT)

28/05/2024

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Request No. LA67-R05129

Report No. R6705-3701

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
SAMPLE SOURCE : EA Plant
SAMPLE POINT : บริเวณริมรั้วด้านทิศใต้
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn}
DETERMINATION METHOD : ISO 1996-1:2016
INSTRUMENT : Integrated Sound Level Meter
S/N 00310455 : Class 2

SAMPLE NO. : 14249
MEASURING DATE : 11-12/05/2024
RECEIVED DATE : 15/05/2024
REPORTED DATE : 28/05/2024

TIME \ DATE	11-12/05/2024 (L_{eq})	11-12/05/2024 (L_{max})	11-12/05/2024 (L_{90})	UNIT
10:00 - 11:00 ³	62.0	83.9	59.1	dB(A)
11:00 - 12:00	62.1	91.5	58.5	dB(A)
12:00 - 13:00	60.3	76.4	57.0	dB(A)
13:00 - 14:00	66.6	86.2	65.7	dB(A)
14:00 - 15:00	63.1	90.3	60.5	dB(A)
15:00 - 16:00	59.4	74.3	58.4	dB(A)
16:00 - 17:00	59.0	71.9	57.6	dB(A)
17:00 - 18:00	58.7	68.6	57.4	dB(A)
18:00 - 19:00	57.9	72.7	56.7	dB(A)
19:00 - 20:00	57.5	71.2	56.4	dB(A)
20:00 - 21:00	56.8	74.9	56.0	dB(A)
21:00 - 22:00	56.3	65.9	55.9	dB(A)
22:00 - 23:00	56.3	67.0	55.9	dB(A)
23:00 - 00:00	56.4	62.2	56.0	dB(A)
00:00 - 01:00	56.2	63.3	55.8	dB(A)
01:00 - 02:00	56.0	62.9	55.6	dB(A)
02:00 - 03:00	56.2	57.8	55.8	dB(A)
03:00 - 04:00	56.0	58.8	55.6	dB(A)
04:00 - 05:00	56.0	64.0	55.6	dB(A)
05:00 - 06:00	56.0	59.6	55.6	dB(A)
06:00 - 07:00	56.4	67.1	55.8	dB(A)
07:00 - 08:00	58.0	81.4	56.0	dB(A)
08:00 - 09:00	56.4	66.7	55.2	dB(A)
09:00 - 10:00	57.5	66.0	56.8	dB(A)
L_{eq} 24 hr.	59.4	-	-	dB(A)
L_{dn}	63.5	-	-	dB(A)
Maximum	-	91.5	-	dB(A)
Standard	70 ¹ , 70 ²	115 ¹ , 115 ²	-	dB(A)

REMARK : ¹ Notification of Office of The National Environmental Board Volume 15 B.E. 2540 (1997)² Notification of Ministry of the Industry B.E. 2548 (2005)* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummarut Photanahum)³ Start Time

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

28/05/2024

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Request No. LA67-R05129

Report No. R6705-3702

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
SAMPLE SOURCE : EA Plant
SAMPLE POINT : บริเวณริมรั้วด้านทิศใต้
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn}
DETERMINATION METHOD : ISO 1996-1:2016
INSTRUMENT : Integrated Sound Level Meter
S/N 00310455 : Class 2

SAMPLE NO. : 14250
MEASURING DATE : 12-13/05/2024
RECEIVED DATE : 15/05/2024
REPORTED DATE : 28/05/2024

TIME \ DATE	12-13/05/2024 (L_{eq})	12-13/05/2024 (L_{max})	12-13/05/2024 (L_{90})	UNIT
10:00 - 11:00 ³	58.1	71.6	57.2	dB(A)
11:00 - 12:00	58.7	77.8	57.1	dB(A)
12:00 - 13:00	59.4	79.0	58.1	dB(A)
13:00 - 14:00	57.3	74.7	56.3	dB(A)
14:00 - 15:00	57.4	69.5	56.6	dB(A)
15:00 - 16:00	57.4	74.5	56.5	dB(A)
16:00 - 17:00	57.4	69.8	56.5	dB(A)
17:00 - 18:00	57.5	73.2	56.5	dB(A)
18:00 - 19:00	57.3	73.8	56.6	dB(A)
19:00 - 20:00	57.4	72.4	56.5	dB(A)
20:00 - 21:00	57.0	71.8	56.5	dB(A)
21:00 - 22:00	57.1	63.1	56.7	dB(A)
22:00 - 23:00	57.2	63.5	56.7	dB(A)
23:00 - 00:00	57.2	66.2	56.8	dB(A)
00:00 - 01:00	57.4	66.0	56.8	dB(A)
01:00 - 02:00	57.4	61.6	56.9	dB(A)
02:00 - 03:00	57.4	63.3	57.0	dB(A)
03:00 - 04:00	57.4	67.0	56.6	dB(A)
04:00 - 05:00	69.7	92.1	65.1	dB(A)
05:00 - 06:00	59.0	79.8	57.7	dB(A)
06:00 - 07:00	59.4	72.6	58.6	dB(A)
07:00 - 08:00	61.2	80.0	58.8	dB(A)
08:00 - 09:00	67.4	78.5	66.6	dB(A)
09:00 - 10:00	66.2	99.8	61.2	dB(A)
L_{eq} 24 hr.	61.3	-	-	dB(A)
L_{dn}	68.3	-	-	dB(A)
Maximum	-	99.8	-	dB(A)
Standard	70 ¹ , 70 ²	115 ¹ , 115 ²	-	dB(A)

REMARK : ¹ Notification of Office of The National Environmental Board Volume 15 B.E. 2540 (1997)² Notification of Ministry of the Industry B.E. 2548 (2005)* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummarut Photankhum)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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Approved By.....
(MRS. WANPEN LHAOCHINDAWAT)

28/05/2024

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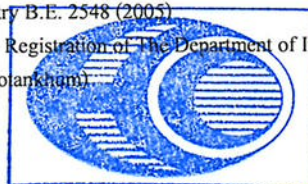
Request No. LA67-R05129

Report No. R6705-3703

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
SAMPLE SOURCE : EA Plant
SAMPLE POINT : บริเวณริมรั้วด้านทิศใต้
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn} SAMPLE NO. : 14251
DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 13-14/05/2024
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 15/05/2024
S/N 00310455 : Class 2 REPORTED DATE : 28/05/2024

TIME \ DATE	13-14/05/2024 (L_{eq})	13-14/05/2024 (L_{max})	13-14/05/2024 (L_{90})	UNIT
10:00 - 11:00 ³	66.2	91.0	63.6	dB(A)
11:00 - 12:00	66.0	100.5	59.7	dB(A)
12:00 - 13:00	61.0	83.3	57.2	dB(A)
13:00 - 14:00	66.2	99.3	61.6	dB(A)
14:00 - 15:00	64.4	91.5	60.6	dB(A)
15:00 - 16:00	65.3	88.1	61.7	dB(A)
16:00 - 17:00	65.9	93.5	60.4	dB(A)
17:00 - 18:00	61.2	78.4	58.9	dB(A)
18:00 - 19:00	65.0	98.5	60.6	dB(A)
19:00 - 20:00	66.5	90.9	57.6	dB(A)
20:00 - 21:00	61.4	86.9	57.8	dB(A)
21:00 - 22:00	58.3	77.5	57.3	dB(A)
22:00 - 23:00	57.1	70.4	56.4	dB(A)
23:00 - 00:00	56.9	66.5	56.1	dB(A)
00:00 - 01:00	56.7	66.7	56.1	dB(A)
01:00 - 02:00	56.7	65.7	56.0	dB(A)
02:00 - 03:00	56.5	65.4	56.0	dB(A)
03:00 - 04:00	56.5	60.9	56.0	dB(A)
04:00 - 05:00	56.4	64.9	55.9	dB(A)
05:00 - 06:00	56.5	62.6	56.0	dB(A)
06:00 - 07:00	57.4	83.9	55.8	dB(A)
07:00 - 08:00	57.9	77.5	56.0	dB(A)
08:00 - 09:00	67.3	96.1	65.6	dB(A)
09:00 - 10:00	66.3	96.1	63.2	dB(A)
L_{eq} 24 hr.	63.1	-	-	dB(A)
L_{dn}	65.6	-	-	dB(A)
Maximum	-	100.5	-	dB(A)
Standard	70 ¹ , 70 ²	115 ¹ , 115 ²	-	dB(A)

REMARK : ¹ Notification of Office of The National Environmental Board Volume 15 B.E. 2540 (1997)² Notification of Ministry of the Industry B.E. 2548 (2005)* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummarut Photanphum)³ Start Time

บริษัท อีสเทิร์น ไทย คอนซัลติ้ง 1992 จำกัด

Approved By.....
(MRS. WANPEN LHAOCHINDAWAT)

28/05/2024

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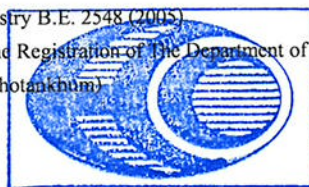
Request No. LA67-R05129

Report No. R6705-3704

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
SAMPLE SOURCE : EA Plant
SAMPLE POINT : บริเวณริมรั้วด้านทิศใต้
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn} SAMPLE NO. : 14252
DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 14-15/05/2024
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 15/05/2024
S/N 00310455 : Class 2 REPORTED DATE : 28/05/2024

TIME \ DATE	14-15/05/2024 (L_{eq})	14-15/05/2024 (L_{max})	14-15/05/2024 (L_{90})	UNIT
10:00 - 11:00 ³	63.2	86.0	58.1	dB(A)
11:00 - 12:00	63.6	87.9	60.9	dB(A)
12:00 - 13:00	59.5	85.3	56.8	dB(A)
13:00 - 14:00	62.7	84.7	58.1	dB(A)
14:00 - 15:00	62.9	81.5	60.3	dB(A)
15:00 - 16:00	64.0	92.0	59.9	dB(A)
16:00 - 17:00	62.8	93.0	60.1	dB(A)
17:00 - 18:00	61.0	83.8	58.2	dB(A)
18:00 - 19:00	61.5	86.8	57.5	dB(A)
19:00 - 20:00	58.1	74.9	56.9	dB(A)
20:00 - 21:00	57.6	71.1	56.9	dB(A)
21:00 - 22:00	57.4	66.9	56.9	dB(A)
22:00 - 23:00	56.8	65.4	56.3	dB(A)
23:00 - 00:00	57.1	68.0	56.6	dB(A)
00:00 - 01:00	57.4	67.0	56.9	dB(A)
01:00 - 02:00	57.4	65.3	56.9	dB(A)
02:00 - 03:00	57.4	63.1	56.9	dB(A)
03:00 - 04:00	57.3	65.1	56.8	dB(A)
04:00 - 05:00	57.2	64.3	56.8	dB(A)
05:00 - 06:00	57.2	64.4	56.7	dB(A)
06:00 - 07:00	57.3	78.7	56.5	dB(A)
07:00 - 08:00	59.5	81.0	57.1	dB(A)
08:00 - 09:00	61.1	95.6	57.3	dB(A)
09:00 - 10:00	63.1	86.2	60.2	dB(A)
L_{eq} 24 hr.	60.5	-	-	dB(A)
L_{dn}	64.6	-	-	dB(A)
Maximum	-	95.6	-	dB(A)
Standard	$70^{1/1}, 70^{1/2}$	$115^{1/1}, 115^{1/2}$	-	dB(A)

REMARK : ^{1/1} Notification of Office of The National Environmental Board Volume 15 B.E. 2540 (1997)^{1/2} Notification of Ministry of the Industry B.E. 2548 (2005)* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummarut Photankhum)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....
(MRS. WANPEN LHAOCHINDAWAT)

28/05/2024

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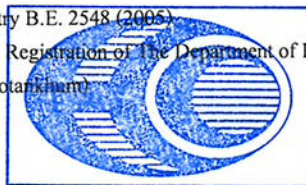
Request No. LA67-R05129

Report No. R6705-3712

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
SAMPLE SOURCE : EA Plant
SAMPLE POINT : บริเวณริมรั้วด้านทิศเหนือ
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn} SAMPLE NO. : 14260
DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 08-09/05/2024
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 15/05/2024
S/N 00322755 : Class 2 REPORTED DATE : 28/05/2024

TIME \ DATE	08-09/05/2024 (L_{eq})	08-09/05/2024 (L_{max})	08-09/05/2024 (L_{90})	UNIT
10:00 - 11:00 ³	67.8	82.8	67.3	dB(A)
11:00 - 12:00	67.6	71.1	67.2	dB(A)
12:00 - 13:00	67.4	70.1	66.9	dB(A)
13:00 - 14:00	67.5	71.5	66.9	dB(A)
14:00 - 15:00	67.6	70.5	67.1	dB(A)
15:00 - 16:00	67.4	73.1	66.9	dB(A)
16:00 - 17:00	67.5	69.5	67.1	dB(A)
17:00 - 18:00	67.7	70.0	67.3	dB(A)
18:00 - 19:00	67.7	69.6	67.4	dB(A)
19:00 - 20:00	67.7	70.5	67.3	dB(A)
20:00 - 21:00	67.6	70.2	67.3	dB(A)
21:00 - 22:00	67.6	69.8	67.3	dB(A)
22:00 - 23:00	67.6	70.7	67.2	dB(A)
23:00 - 00:00	67.6	69.8	67.2	dB(A)
00:00 - 01:00	67.5	69.9	67.1	dB(A)
01:00 - 02:00	67.6	69.6	67.2	dB(A)
02:00 - 03:00	67.7	69.5	67.3	dB(A)
03:00 - 04:00	67.7	70.0	67.3	dB(A)
04:00 - 05:00	67.6	69.7	67.3	dB(A)
05:00 - 06:00	67.6	69.7	67.2	dB(A)
06:00 - 07:00	67.6	69.8	67.3	dB(A)
07:00 - 08:00	67.7	71.3	67.3	dB(A)
08:00 - 09:00	67.5	70.1	67.1	dB(A)
09:00 - 10:00	67.6	69.9	67.2	dB(A)
L_{eq} 24 hr.	67.6	-	-	dB(A)
L_{dn}	74.0	-	-	dB(A)
Maximum	-	82.8	-	dB(A)
Standard	$70^{1/1}, 70^{1/2}$	$115^{1/1}, 115^{1/2}$	-	dB(A)

REMARK : ^{1/} Notification of Office of The National Environmental Board Volume 15 B.E. 2540 (1997)^{1/2} Notification of Ministry of the Industry B.E. 2548 (2005)* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummarut Photanphum)³ Start Time

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....
(MRS. WANPEN LHAOCHINDAWAT)

28/05/2024

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Request No. LA67-R05129

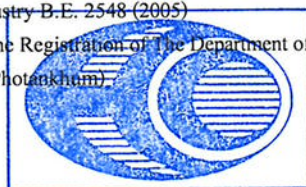
Report No. R6705-3713

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
SAMPLE SOURCE : EA Plant
SAMPLE POINT : บริเวณริมรั้วด้านทิศเหนือ
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn}
DETERMINATION METHOD : ISO 1996-1:2016
INSTRUMENT : Integrated Sound Level Meter
S/N 00322755 : Class 2
SAMPLE NO. : 14261
MEASURING DATE : 09-10/05/2024
RECEIVED DATE : 15/05/2024
REPORTED DATE : 28/05/2024

TIME \ DATE	09-10/05/2024 (L_{eq})	09-10/05/2024 (L_{max})	09-10/05/2024 (L_{90})	UNIT
10:00 - 11:00 ³	67.6	69.8	67.2	dB(A)
11:00 - 12:00	67.7	76.7	67.3	dB(A)
12:00 - 13:00	67.5	69.9	67.1	dB(A)
13:00 - 14:00	67.4	69.7	67.0	dB(A)
14:00 - 15:00	67.4	69.9	67.0	dB(A)
15:00 - 16:00	67.3	69.8	66.9	dB(A)
16:00 - 17:00	67.3	69.5	66.9	dB(A)
17:00 - 18:00	67.5	69.9	67.1	dB(A)
18:00 - 19:00	67.2	69.4	66.8	dB(A)
19:00 - 20:00	67.2	69.9	66.8	dB(A)
20:00 - 21:00	67.4	87.8	66.9	dB(A)
21:00 - 22:00	67.4	69.2	67.1	dB(A)
22:00 - 23:00	67.5	73.1	67.2	dB(A)
23:00 - 00:00	67.5	70.2	67.1	dB(A)
00:00 - 01:00	67.5	69.7	67.1	dB(A)
01:00 - 02:00	67.5	70.4	67.1	dB(A)
02:00 - 03:00	67.4	69.4	67.0	dB(A)
03:00 - 04:00	67.3	69.3	67.0	dB(A)
04:00 - 05:00	67.4	70.4	67.1	dB(A)
05:00 - 06:00	67.5	69.8	67.1	dB(A)
06:00 - 07:00	67.5	69.2	67.2	dB(A)
07:00 - 08:00	67.6	70.6	67.2	dB(A)
08:00 - 09:00	67.3	72.1	66.9	dB(A)
09:00 - 10:00	67.3	70.5	66.9	dB(A)
L_{eq} 24 hr.	67.4	-	-	dB(A)
L_{dn}	73.9	-	-	dB(A)
Maximum	-	87.8	-	dB(A)
Standard	70 ¹ , 70 ²	115 ¹ , 115 ²	-	dB(A)

REMARK : ¹ Notification of Office of The National Environmental Board Volume 15 B.E. 2540 (1997)
² Notification of Ministry of the Industry B.E. 2548 (2005)
* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummarut Photankhem)



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Approved By.....
(MRS. WANPEN LHAOCHINDAWAT)

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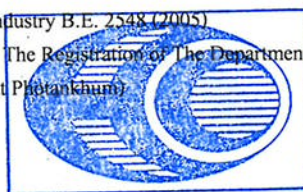
Request No. LA67-R05129

Report No. R6705-3714

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
SAMPLE SOURCE : EA Plant
SAMPLE POINT : บริเวณริมรั้วด้านทิศเหนือ
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn} SAMPLE NO. : 14262
DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 10-11/05/2024
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 15/05/2024
S/N 00322755 : Class 2 REPORTED DATE : 28/05/2024

TIME \ DATE	10-11/05/2024 (L_{eq})	10-11/05/2024 (L_{max})	10-11/05/2024 (L_{90})	UNIT
10:00 - 11:00 ³	67.5	69.8	67.0	dB(A)
11:00 - 12:00	67.4	70.6	67.0	dB(A)
12:00 - 13:00	67.2	69.4	66.7	dB(A)
13:00 - 14:00	67.0	68.9	66.6	dB(A)
14:00 - 15:00	67.0	68.8	66.6	dB(A)
15:00 - 16:00	67.0	73.5	66.5	dB(A)
16:00 - 17:00	67.0	69.8	66.6	dB(A)
17:00 - 18:00	67.1	68.9	66.8	dB(A)
18:00 - 19:00	67.2	68.9	66.9	dB(A)
19:00 - 20:00	67.3	68.9	67.0	dB(A)
20:00 - 21:00	67.3	69.4	67.0	dB(A)
21:00 - 22:00	67.2	69.2	66.9	dB(A)
22:00 - 23:00	67.2	69.4	66.9	dB(A)
23:00 - 00:00	67.2	68.8	66.9	dB(A)
00:00 - 01:00	67.2	68.8	67.0	dB(A)
01:00 - 02:00	67.4	81.4	67.0	dB(A)
02:00 - 03:00	67.6	71.3	67.3	dB(A)
03:00 - 04:00	67.5	70.5	67.3	dB(A)
04:00 - 05:00	67.5	71.0	67.2	dB(A)
05:00 - 06:00	67.4	69.7	67.1	dB(A)
06:00 - 07:00	67.3	68.8	67.0	dB(A)
07:00 - 08:00	67.3	68.8	67.1	dB(A)
08:00 - 09:00	67.1	69.8	66.9	dB(A)
09:00 - 10:00	67.0	68.9	66.8	dB(A)
L_{eq} 24 hr.	67.2	-	-	dB(A)
L_{dn}	73.8	-	-	dB(A)
Maximum	-	81.4	-	dB(A)
Standard	70 ¹ , 70 ²	115 ¹ , 115 ²	-	dB(A)

REMARK : ¹ Notification of Office of The National Environmental Board Volume 15 B.E. 2540 (1997)² Notification of Ministry of the Industry B.E. 2548 (2005)* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummarut Photankhum)³ Start Time

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Approved By... 
(MRS. WANPEN LHAOCHINDAWAT)

28/05/2024

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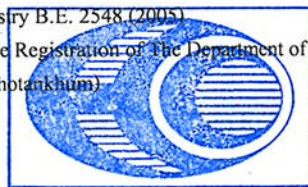
Request No. LA67-R05129

Report No. R6705-3715

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
SAMPLE SOURCE : EA Plant
SAMPLE POINT : บริเวณริมรั้วด้านทิศเหนือ
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn} SAMPLE NO. : 14263
DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 11-12/05/2024
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 15/05/2024
S/N 00322755 : Class 2 REPORTED DATE : 28/05/2024

TIME \ DATE	11-12/05/2024 (L_{eq})	11-12/05/2024 (L_{max})	11-12/05/2024 (L_{90})	UNIT
10:00 - 11:00 ³	66.9	77.7	66.6	dB(A)
11:00 - 12:00	66.9	73.6	66.6	dB(A)
12:00 - 13:00	67.1	89.5	66.7	dB(A)
13:00 - 14:00	67.1	74.2	66.8	dB(A)
14:00 - 15:00	67.0	69.3	66.7	dB(A)
15:00 - 16:00	66.9	68.7	66.6	dB(A)
16:00 - 17:00	66.9	68.9	66.5	dB(A)
17:00 - 18:00	66.9	68.4	66.6	dB(A)
18:00 - 19:00	67.0	75.2	66.7	dB(A)
19:00 - 20:00	67.1	70.4	66.8	dB(A)
20:00 - 21:00	67.1	69.5	66.9	dB(A)
21:00 - 22:00	67.0	68.3	66.8	dB(A)
22:00 - 23:00	67.0	68.7	66.8	dB(A)
23:00 - 00:00	67.1	68.7	66.9	dB(A)
00:00 - 01:00	67.1	68.7	66.9	dB(A)
01:00 - 02:00	67.1	68.6	66.9	dB(A)
02:00 - 03:00	67.2	70.0	66.9	dB(A)
03:00 - 04:00	67.2	68.7	67.0	dB(A)
04:00 - 05:00	67.2	69.4	67.0	dB(A)
05:00 - 06:00	67.2	68.7	67.0	dB(A)
06:00 - 07:00	67.2	70.0	67.0	dB(A)
07:00 - 08:00	67.2	68.7	67.0	dB(A)
08:00 - 09:00	67.1	69.2	66.8	dB(A)
09:00 - 10:00	66.9	68.5	66.7	dB(A)
L_{eq} 24 hr.	67.1	-	-	dB(A)
L_{dn}	73.5	-	-	dB(A)
Maximum	-	89.5	-	dB(A)
Standard	70 ¹ , 70 ²	115 ¹ , 115 ²	-	dB(A)

REMARK : ¹ Notification of Office of The National Environmental Board Volume 15 B.E. 2540 (1997)² Notification of Ministry of the Industry B.E. 2548 (2005)* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummarut Photankhum)

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Approved By.....
(MRS. WANPEN LHAOCHINDAWAT)

28/05/2024

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Request No. LA67-R05129

Report No. R6705-3716

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
SAMPLE SOURCE : EA Plant
SAMPLE POINT : บริเวณริมรั้วด้านทิศเหนือ
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn}
DETERMINATION METHOD : ISO 1996-1:2016
INSTRUMENT : Integrated Sound Level Meter
S/N 00322755 : Class 2
SAMPLE NO. : 14264
MEASURING DATE : 12-13/05/2024
RECEIVED DATE : 15/05/2024
REPORTED DATE : 28/05/2024

TIME \ DATE	12-13/05/2024 (L_{eq})	12-13/05/2024 (L_{max})	12-13/05/2024 (L_{90})	UNIT
10:00 - 11:00 ³	67.0	71.6	66.8	dB(A)
11:00 - 12:00	67.0	77.6	66.7	dB(A)
12:00 - 13:00	67.1	68.8	66.8	dB(A)
13:00 - 14:00	67.0	69.5	66.6	dB(A)
14:00 - 15:00	67.0	68.8	66.6	dB(A)
15:00 - 16:00	67.0	68.8	66.6	dB(A)
16:00 - 17:00	67.2	70.0	66.8	dB(A)
17:00 - 18:00	67.1	69.2	66.8	dB(A)
18:00 - 19:00	67.1	69.7	66.8	dB(A)
19:00 - 20:00	67.0	69.6	66.8	dB(A)
20:00 - 21:00	67.0	68.8	66.8	dB(A)
21:00 - 22:00	67.0	69.5	66.7	dB(A)
22:00 - 23:00	66.9	69.9	66.7	dB(A)
23:00 - 00:00	67.0	69.4	66.7	dB(A)
00:00 - 01:00	67.0	68.7	66.7	dB(A)
01:00 - 02:00	67.0	68.8	66.7	dB(A)
02:00 - 03:00	67.0	68.7	66.7	dB(A)
03:00 - 04:00	67.0	68.7	66.7	dB(A)
04:00 - 05:00	72.2	96.9	69.5	dB(A)
05:00 - 06:00	67.8	86.2	67.4	dB(A)
06:00 - 07:00	67.7	75.1	67.5	dB(A)
07:00 - 08:00	67.6	74.9	67.4	dB(A)
08:00 - 09:00	67.5	83.9	67.3	dB(A)
09:00 - 10:00	67.4	68.9	67.2	dB(A)
L_{eq} 24 hr.	67.5	-	-	dB(A)
L_{dn}	74.4	-	-	dB(A)
Maximum	-	96.9	-	dB(A)
Standard	70 ¹ , 70 ²	115 ¹ , 115 ²	-	dB(A)

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

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

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



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Approved By.....
(MRS. WANPEN LHAOCHINDAWAT)

28/05/2024

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Request No. LA67-R05129

Report No. R6705-3717

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
SAMPLE SOURCE : EA Plant
SAMPLE POINT : บริเวณริมรั้วด้านทิศเหนือ
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn} SAMPLE NO. : 14265
DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 13-14/05/2024
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 15/05/2024
S/N 00322755 : Class 2 REPORTED DATE : 28/05/2024

TIME \ DATE	13-14/05/2024 (L_{eq})	13-14/05/2024 (L_{max})	13-14/05/2024 (L_{90})	UNIT
10:00 - 11:00 ³	67.4	69.0	67.1	dB(A)
11:00 - 12:00	67.2	70.8	66.9	dB(A)
12:00 - 13:00	67.1	68.6	66.8	dB(A)
13:00 - 14:00	67.0	69.2	66.7	dB(A)
14:00 - 15:00	66.9	68.8	66.6	dB(A)
15:00 - 16:00	66.8	71.2	66.6	dB(A)
16:00 - 17:00	66.9	69.3	66.6	dB(A)
17:00 - 18:00	67.0	70.7	66.7	dB(A)
18:00 - 19:00	67.1	70.5	66.8	dB(A)
19:00 - 20:00	67.1	70.5	66.8	dB(A)
20:00 - 21:00	67.1	70.2	66.9	dB(A)
21:00 - 22:00	67.0	73.5	66.7	dB(A)
22:00 - 23:00	66.9	68.6	66.7	dB(A)
23:00 - 00:00	67.0	71.3	66.7	dB(A)
00:00 - 01:00	67.1	69.9	66.9	dB(A)
01:00 - 02:00	67.1	68.9	66.9	dB(A)
02:00 - 03:00	67.2	68.6	66.9	dB(A)
03:00 - 04:00	67.1	69.0	66.9	dB(A)
04:00 - 05:00	67.1	70.7	66.9	dB(A)
05:00 - 06:00	67.0	70.5	66.8	dB(A)
06:00 - 07:00	67.1	68.7	66.8	dB(A)
07:00 - 08:00	67.1	69.8	66.8	dB(A)
08:00 - 09:00	67.1	70.8	66.8	dB(A)
09:00 - 10:00	66.9	68.7	66.6	dB(A)
L_{eq} 24 hr.	67.1	-	-	dB(A)
L_{dn}	73.5	-	-	dB(A)
Maximum	-	73.5	-	dB(A)
Standard	70 ¹ , 70 ²	115 ¹ , 115 ²	-	dB(A)

REMARK : ¹ Notification of Office of The National Environmental Board Volume 15 B.E. 2540 (1997)² Notification of Ministry of the Industry B.E. 2548 (2005)* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummarut Photankhum)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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Approved By.....
(MRS. WANPEN LHAOCHINDAWAT)

28/05/2024

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Request No. LA67-R05129

Report No. R6705-3718

TEST REPORT

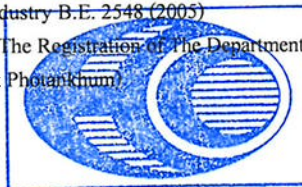
CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
SAMPLE SOURCE : EA Plant
SAMPLE POINT : บริเวณริมรั้วด้านทิศเหนือ
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn}
DETERMINATION METHOD : ISO 1996-1:2016
INSTRUMENT : Integrated Sound Level Meter
S/N 00322755 : Class 2
SAMPLE NO. : 14266
MEASURING DATE : 14-15/05/2024
RECEIVED DATE : 15/05/2024
REPORTED DATE : 28/05/2024

TIME \ DATE	14-15/05/2024 (L_{eq})	14-15/05/2024 (L_{max})	14-15/05/2024 (L_{90})	UNIT
10:00 - 11:00 ³	66.7	68.7	66.4	dB(A)
11:00 - 12:00	66.7	71.7	66.4	dB(A)
12:00 - 13:00	66.6	69.8	66.3	dB(A)
13:00 - 14:00	66.6	68.4	66.3	dB(A)
14:00 - 15:00	66.6	69.1	66.3	dB(A)
15:00 - 16:00	66.6	74.3	66.3	dB(A)
16:00 - 17:00	66.7	70.0	66.4	dB(A)
17:00 - 18:00	66.9	70.5	66.5	dB(A)
18:00 - 19:00	66.8	69.7	66.6	dB(A)
19:00 - 20:00	67.0	71.2	66.7	dB(A)
20:00 - 21:00	67.0	71.1	66.7	dB(A)
21:00 - 22:00	67.0	69.0	66.8	dB(A)
22:00 - 23:00	67.0	68.6	66.7	dB(A)
23:00 - 00:00	67.1	69.6	66.8	dB(A)
00:00 - 01:00	67.2	69.5	66.9	dB(A)
01:00 - 02:00	67.0	69.9	66.7	dB(A)
02:00 - 03:00	67.0	68.9	66.7	dB(A)
03:00 - 04:00	67.1	69.2	66.8	dB(A)
04:00 - 05:00	67.2	69.0	66.9	dB(A)
05:00 - 06:00	67.3	71.1	67.0	dB(A)
06:00 - 07:00	67.2	69.3	66.9	dB(A)
07:00 - 08:00	67.2	69.4	66.9	dB(A)
08:00 - 09:00	67.1	69.5	66.8	dB(A)
09:00 - 10:00	67.1	76.8	66.8	dB(A)
L_{eq} 24 hr.	67.0	-	-	dB(A)
L_{dn}	73.5	-	-	dB(A)
Maximum	-	76.8	-	dB(A)
Standard	70 ¹ , 70 ²	115 ¹ , 115 ²	-	dB(A)

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

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

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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Approved By.....
(MRS. WANPEN LHAOCHINDAWAT)

28/05/2024

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Request No. LA67-R05129

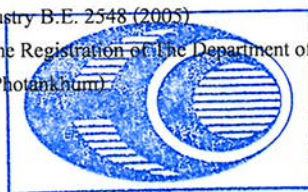
Report No. R6705-3705

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
SAMPLE SOURCE : EA Plant
SAMPLE POINT : บริเวณริมรั้วด้านทิศตะวันตก
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn}
DETERMINATION METHOD : ISO 1996-1:2016
INSTRUMENT : Integrated Sound Level Meter
S/N 00310456 : Class 2

SAMPLE NO. : 14253
MEASURING DATE : 08-09/05/2024
RECEIVED DATE : 15/05/2024
REPORTED DATE : 28/05/2024

TIME \ DATE	08-09/05/2024 (L_{eq})	08-09/05/2024 (L_{max})	08-09/05/2024 (L_{90})	UNIT
10:00 - 11:00 ³	62.2	71.9	61.7	dB(A)
11:00 - 12:00	62.3	68.0	61.8	dB(A)
12:00 - 13:00	62.2	69.8	61.7	dB(A)
13:00 - 14:00	62.3	68.4	61.8	dB(A)
14:00 - 15:00	62.9	69.8	62.3	dB(A)
15:00 - 16:00	63.0	70.3	62.5	dB(A)
16:00 - 17:00	62.9	69.2	62.4	dB(A)
17:00 - 18:00	62.9	69.1	62.5	dB(A)
18:00 - 19:00	63.1	69.5	62.7	dB(A)
19:00 - 20:00	63.3	69.8	62.9	dB(A)
20:00 - 21:00	62.7	68.6	62.3	dB(A)
21:00 - 22:00	62.8	71.3	62.3	dB(A)
22:00 - 23:00	63.0	70.5	62.6	dB(A)
23:00 - 00:00	62.6	70.5	62.1	dB(A)
00:00 - 01:00	62.5	68.7	62.1	dB(A)
01:00 - 02:00	62.5	71.5	62.1	dB(A)
02:00 - 03:00	62.7	69.0	62.3	dB(A)
03:00 - 04:00	62.6	71.0	62.2	dB(A)
04:00 - 05:00	62.7	69.2	62.2	dB(A)
05:00 - 06:00	63.0	69.3	62.6	dB(A)
06:00 - 07:00	62.8	70.9	62.4	dB(A)
07:00 - 08:00	63.1	70.1	62.7	dB(A)
08:00 - 09:00	63.0	69.7	62.6	dB(A)
09:00 - 10:00	63.4	70.4	63.0	dB(A)
L_{eq} 24 hr.	62.8	-	-	dB(A)
L_{dn}	69.1	-	-	dB(A)
Maximum	-	71.9	-	dB(A)
Standard	70 ¹ , 70 ²	115 ¹ , 115 ²	-	dB(A)

REMARK : ¹ Notification of Office of The National Environmental Board Volume 15 B.E. 2540 (1997)² Notification of Ministry of the Industry B.E. 2548 (2005)* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummarut Photankhum)³ Start Time

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

28/05/2024

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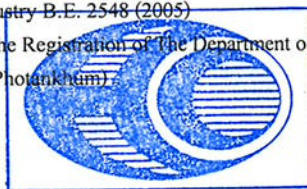
Request No. LA67-R05129

Report No. R6705-3706

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
SAMPLE SOURCE : EA Plant
SAMPLE POINT : บริเวณริมรั้วด้านทิศตะวันตก
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn} SAMPLE NO. : 14254
DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 09-10/05/2024
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 15/05/2024
S/N 00310456 : Class 2 REPORTED DATE : 28/05/2024

TIME \ DATE	09-10/05/2024 (L_{eq})	09-10/05/2024 (L_{max})	09-10/05/2024 (L_{90})	UNIT
10:00 - 11:00 ³	63.4	72.5	62.9	dB(A)
11:00 - 12:00	63.5	74.6	63.0	dB(A)
12:00 - 13:00	63.2	69.0	62.8	dB(A)
13:00 - 14:00	63.0	68.8	62.5	dB(A)
14:00 - 15:00	63.5	71.2	62.9	dB(A)
15:00 - 16:00	62.7	68.8	62.2	dB(A)
16:00 - 17:00	62.5	69.5	62.1	dB(A)
17:00 - 18:00	62.4	69.8	61.9	dB(A)
18:00 - 19:00	62.2	69.9	61.7	dB(A)
19:00 - 20:00	62.4	70.3	61.9	dB(A)
20:00 - 21:00	62.6	69.6	62.1	dB(A)
21:00 - 22:00	62.7	71.0	62.3	dB(A)
22:00 - 23:00	62.6	69.4	62.1	dB(A)
23:00 - 00:00	62.7	69.5	62.3	dB(A)
00:00 - 01:00	62.5	70.2	62.0	dB(A)
01:00 - 02:00	62.9	71.0	62.4	dB(A)
02:00 - 03:00	62.7	69.8	62.3	dB(A)
03:00 - 04:00	62.8	69.0	62.3	dB(A)
04:00 - 05:00	62.9	71.6	62.4	dB(A)
05:00 - 06:00	62.8	70.4	62.4	dB(A)
06:00 - 07:00	62.8	69.7	62.4	dB(A)
07:00 - 08:00	62.7	70.7	62.2	dB(A)
08:00 - 09:00	62.1	69.5	61.7	dB(A)
09:00 - 10:00	62.1	70.4	61.6	dB(A)
L_{eq} 24 hr.	62.8	-	-	dB(A)
L_{dn}	69.2	-	-	dB(A)
Maximum	-	74.6	-	dB(A)
Standard	70 ¹ , 70 ²	115 ¹ , 115 ²	-	dB(A)

REMARK : ¹ Notification of Office of The National Environmental Board Volume 15 B.E. 2540 (1997)² Notification of Ministry of the Industry B.E. 2548 (2005)* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummarut Photankham)

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Approved By.....
(MRS. WANPEN LHAOCHINDAWAT)

28/05/2024

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Request No. LA67-R05129

Report No. R6705-3707

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
SAMPLE SOURCE : EA Plant
SAMPLE POINT : บริเวณริมรั้วด้านทิศตะวันตก
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn} SAMPLE NO. : 14255
DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 10-11/05/2024
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 15/05/2024
S/N 00310456 : Class 2 REPORTED DATE : 28/05/2024

TIME \ DATE	10-11/05/2024 (L_{eq})	10-11/05/2024 (L_{max})	10-11/05/2024 (L_{90})	UNIT
10:00 - 11:00 ³	63.1	69.2	62.6	dB(A)
11:00 - 12:00	62.6	69.2	62.1	dB(A)
12:00 - 13:00	62.4	70.1	61.9	dB(A)
13:00 - 14:00	62.6	69.5	62.1	dB(A)
14:00 - 15:00	62.8	70.1	62.3	dB(A)
15:00 - 16:00	63.2	70.7	62.7	dB(A)
16:00 - 17:00	63.6	70.2	63.1	dB(A)
17:00 - 18:00	63.6	70.3	63.1	dB(A)
18:00 - 19:00	64.3	70.0	63.4	dB(A)
19:00 - 20:00	63.9	69.8	63.1	dB(A)
20:00 - 21:00	63.5	69.7	63.0	dB(A)
21:00 - 22:00	64.3	70.6	63.4	dB(A)
22:00 - 23:00	64.7	69.6	63.6	dB(A)
23:00 - 00:00	64.6	69.5	63.6	dB(A)
00:00 - 01:00	65.0	71.2	64.0	dB(A)
01:00 - 02:00	64.8	78.1	63.7	dB(A)
02:00 - 03:00	65.0	70.3	64.0	dB(A)
03:00 - 04:00	65.6	72.1	64.3	dB(A)
04:00 - 05:00	65.1	71.4	63.9	dB(A)
05:00 - 06:00	65.3	70.3	64.0	dB(A)
06:00 - 07:00	63.6	70.7	63.1	dB(A)
07:00 - 08:00	63.6	69.7	63.1	dB(A)
08:00 - 09:00	63.0	71.0	62.5	dB(A)
09:00 - 10:00	63.1	69.5	62.6	dB(A)
L_{eq} 24 hr.	64.0	-	-	dB(A)
L_{dn}	71.1	-	-	dB(A)
Maximum	-	78.1	-	dB(A)
Standard	$70^{1/1}, 70^{2/2}$	$115^{1/1}, 115^{2/2}$	-	dB(A)

REMARK : ^{1/1} Notification of Office of The National Environmental Board Volume 15 B.E. 2540 (1997)^{1/2} Notification of Ministry of the Industry B.E. 2548 (2005)³ Start Time* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummarut Photankhum)

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

28/05/2024

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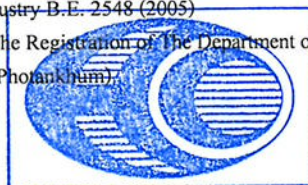
Request No. LA67-R05129

Report No. R6705-3708

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
SAMPLE SOURCE : EA Plant
SAMPLE POINT : บริเวณริมรั้วด้านทิศตะวันตก
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn} SAMPLE NO. : 14256
DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 11-12/05/2024
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 15/05/2024
S/N 00310456 : Class 2 REPORTED DATE : 28/05/2024

TIME \ DATE	11-12/05/2024 (L_{eq})	11-12/05/2024 (L_{max})	11-12/05/2024 (L_{90})	UNIT
10:00 - 11:00 ³	63.3	71.3	62.8	dB(A)
11:00 - 12:00	63.1	71.6	62.6	dB(A)
12:00 - 13:00	63.1	89.2	62.3	dB(A)
13:00 - 14:00	62.8	72.6	62.3	dB(A)
14:00 - 15:00	63.0	69.2	62.5	dB(A)
15:00 - 16:00	62.9	69.4	62.4	dB(A)
16:00 - 17:00	63.0	70.1	62.5	dB(A)
17:00 - 18:00	63.1	69.3	62.6	dB(A)
18:00 - 19:00	63.3	75.4	62.8	dB(A)
19:00 - 20:00	62.8	68.9	62.4	dB(A)
20:00 - 21:00	62.7	70.2	62.3	dB(A)
21:00 - 22:00	63.5	70.4	63.1	dB(A)
22:00 - 23:00	63.1	69.2	62.7	dB(A)
23:00 - 00:00	63.1	69.3	62.7	dB(A)
00:00 - 01:00	63.2	69.6	62.8	dB(A)
01:00 - 02:00	63.2	70.5	62.7	dB(A)
02:00 - 03:00	63.2	69.8	62.7	dB(A)
03:00 - 04:00	63.3	69.7	62.8	dB(A)
04:00 - 05:00	63.2	69.1	62.8	dB(A)
05:00 - 06:00	63.3	69.9	62.8	dB(A)
06:00 - 07:00	63.6	70.1	63.1	dB(A)
07:00 - 08:00	62.9	69.6	62.4	dB(A)
08:00 - 09:00	62.4	69.0	62.0	dB(A)
09:00 - 10:00	62.3	69.1	61.8	dB(A)
L_{eq} 24 hr.	63.1	-	-	dB(A)
L_{dn}	69.6	-	-	dB(A)
Maximum	-	89.2	-	dB(A)
Standard	70 ¹ , 70 ²	115 ¹ , 115 ²	-	dB(A)

REMARK : ¹ Notification of Office of The National Environmental Board Volume 15 B.E. 2540 (1997)² Notification of Ministry of the Industry B.E. 2548 (2005)* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummarut Photankhum)³ Start TimeApproved By.....
(MRS. WANPEN LHAOCHINDAWAT)

28/05/2024

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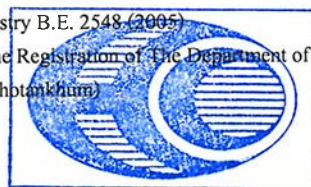
Request No. LA67-R05129

Report No. R6705-3709

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
SAMPLE SOURCE : EA Plant
SAMPLE POINT : บริเวณริมรั้วด้านทิศตะวันตก
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn} SAMPLE NO. : 14257
DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 12-13/05/2024
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 15/05/2024
S/N 00310456 : Class 2 REPORTED DATE : 28/05/2024

TIME \ DATE	12-13/05/2024 (L_{eq})	12-13/05/2024 (L_{max})	12-13/05/2024 (L_{90})	UNIT
10:00 - 11:00 ³	62.3	69.2	61.9	dB(A)
11:00 - 12:00	62.4	69.5	62.0	dB(A)
12:00 - 13:00	62.7	71.3	62.3	dB(A)
13:00 - 14:00	62.7	68.8	62.2	dB(A)
14:00 - 15:00	62.7	68.3	62.2	dB(A)
15:00 - 16:00	62.7	68.7	62.2	dB(A)
16:00 - 17:00	62.8	69.9	62.3	dB(A)
17:00 - 18:00	62.8	69.4	62.4	dB(A)
18:00 - 19:00	63.2	70.5	62.8	dB(A)
19:00 - 20:00	63.1	71.1	62.6	dB(A)
20:00 - 21:00	63.0	69.6	62.5	dB(A)
21:00 - 22:00	62.8	69.8	62.4	dB(A)
22:00 - 23:00	62.8	70.2	62.3	dB(A)
23:00 - 00:00	62.8	70.3	62.4	dB(A)
00:00 - 01:00	64.0	70.2	63.6	dB(A)
01:00 - 02:00	64.2	69.2	63.8	dB(A)
02:00 - 03:00	64.1	69.8	63.7	dB(A)
03:00 - 04:00	64.0	71.9	63.6	dB(A)
04:00 - 05:00	70.6	94.2	67.5	dB(A)
05:00 - 06:00	65.3	86.0	64.6	dB(A)
06:00 - 07:00	64.9	74.2	64.4	dB(A)
07:00 - 08:00	63.9	74.4	63.4	dB(A)
08:00 - 09:00	63.5	72.2	63.0	dB(A)
09:00 - 10:00	63.5	70.8	63.0	dB(A)
L_{eq} 24 hr.	64.1	-	-	dB(A)
L_{dn}	71.6	-	-	dB(A)
Maximum	-	94.2	-	dB(A)
Standard	70 ¹ , 70 ²	115 ¹ , 115 ²	-	dB(A)

REMARK : ¹ Notification of Office of The National Environmental Board Volume 15 B.E. 2540 (1997)² Notification of Ministry of the Industry B.E. 2548 (2005)* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummarut Photankhum)³ Start Time

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....
(MRS. WANPEN LHAOCHINDAWAT)

28/05/2024

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Request No. LA67-R05129

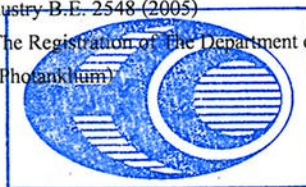
Report No. R6705-3710

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
SAMPLE SOURCE : EA Plant
SAMPLE POINT : บริเวณริมรั้วด้านทิศตะวันตก
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn}
DETERMINATION METHOD : ISO 1996-1:2016
INSTRUMENT : Integrated Sound Level Meter
S/N 00310456 : Class 2

SAMPLE NO. : 14258
MEASURING DATE : 13-14/05/2024
RECEIVED DATE : 15/05/2024
REPORTED DATE : 28/05/2024

TIME \ DATE	13-14/05/2024 (L_{eq})	13-14/05/2024 (L_{max})	13-14/05/2024 (L_{90})	UNIT
10:00 - 11:00 ³	63.6	73.4	63.1	dB(A)
11:00 - 12:00	63.5	69.6	63.0	dB(A)
12:00 - 13:00	62.9	70.0	62.5	dB(A)
13:00 - 14:00	62.9	69.5	62.4	dB(A)
14:00 - 15:00	63.0	69.3	62.5	dB(A)
15:00 - 16:00	63.1	71.9	62.6	dB(A)
16:00 - 17:00	63.5	69.6	63.0	dB(A)
17:00 - 18:00	63.0	70.1	62.5	dB(A)
18:00 - 19:00	63.3	70.4	62.8	dB(A)
19:00 - 20:00	63.2	69.9	62.8	dB(A)
20:00 - 21:00	63.2	69.9	62.8	dB(A)
21:00 - 22:00	63.5	83.6	62.7	dB(A)
22:00 - 23:00	63.3	82.4	62.5	dB(A)
23:00 - 00:00	63.1	70.3	62.6	dB(A)
00:00 - 01:00	63.8	71.2	63.3	dB(A)
01:00 - 02:00	63.0	70.7	62.5	dB(A)
02:00 - 03:00	62.9	69.8	62.5	dB(A)
03:00 - 04:00	62.9	69.3	62.4	dB(A)
04:00 - 05:00	63.1	69.0	62.6	dB(A)
05:00 - 06:00	63.0	69.7	62.5	dB(A)
06:00 - 07:00	63.0	70.4	62.5	dB(A)
07:00 - 08:00	63.1	69.4	62.6	dB(A)
08:00 - 09:00	63.0	69.9	62.5	dB(A)
09:00 - 10:00	62.5	70.3	62.0	dB(A)
L_{eq} 24 hr.	63.2	-	-	dB(A)
L_{dn}	69.5	-	-	dB(A)
Maximum	-	83.6	-	dB(A)
Standard	$70^{1/1}, 70^{1/2}$	$115^{1/1}, 115^{1/2}$	-	dB(A)

REMARK : ^{1/1} Notification of Office of The National Environmental Board Volume 15 B.E. 2540 (1997)^{1/2} Notification of Ministry of the Industry B.E. 2548 (2005)* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummarut Photankhum)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Approved By.....
(MRS. WANPEN LHAOCHINDAWAT)

28/05/2024

COPY

Request No. LA67-R05129

Report No. R6705-3711

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road,
Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
SAMPLE SOURCE : EA Plant
SAMPLE POINT : บริเวณริมรั้วด้านทิศตะวันตก
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn}
DETERMINATION METHOD : ISO 1996-1:2016
INSTRUMENT : Integrated Sound Level Meter
S/N 00310456 : Class 2

SAMPLE NO. : 14259
MEASURING DATE : 14-15/05/2024
RECEIVED DATE : 15/05/2024
REPORTED DATE : 28/05/2024

TIME \ DATE	14-15/05/2024 (L_{eq})	14-15/05/2024 (L_{max})	14-15/05/2024 (L_{90})	UNIT
10:00 - 11:00 ³	62.4	77.4	61.9	dB(A)
11:00 - 12:00	62.9	85.5	61.7	dB(A)
12:00 - 13:00	62.4	69.0	61.9	dB(A)
13:00 - 14:00	62.7	71.1	62.2	dB(A)
14:00 - 15:00	63.4	70.7	62.9	dB(A)
15:00 - 16:00	65.0	88.0	62.4	dB(A)
16:00 - 17:00	63.0	79.3	62.4	dB(A)
17:00 - 18:00	62.7	68.1	62.2	dB(A)
18:00 - 19:00	62.5	69.4	62.0	dB(A)
19:00 - 20:00	62.6	68.6	62.2	dB(A)
20:00 - 21:00	63.4	69.5	62.9	dB(A)
21:00 - 22:00	62.8	68.9	62.4	dB(A)
22:00 - 23:00	63.0	69.8	62.6	dB(A)
23:00 - 00:00	63.0	69.0	62.6	dB(A)
00:00 - 01:00	63.1	70.5	62.6	dB(A)
01:00 - 02:00	63.2	69.7	62.7	dB(A)
02:00 - 03:00	63.2	70.2	62.7	dB(A)
03:00 - 04:00	63.1	69.5	62.7	dB(A)
04:00 - 05:00	63.1	69.1	62.7	dB(A)
05:00 - 06:00	63.1	69.8	62.7	dB(A)
06:00 - 07:00	63.1	70.4	62.5	dB(A)
07:00 - 08:00	62.7	68.7	62.3	dB(A)
08:00 - 09:00	62.7	68.9	62.2	dB(A)
09:00 - 10:00	62.9	69.2	62.4	dB(A)
L_{eq} 24 hr.	63.0	-	-	dB(A)
L_{dn}	69.5	-	-	dB(A)
Maximum	-	88.0	-	dB(A)
Standard	$70^{1/1}, 70^{2/2}$	$115^{1/1}, 115^{2/2}$	-	dB(A)

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

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

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

^{1/3} Start Time

Approved By.....
(MRS. WANPEN LHAOCHINDAWAT)

28/05/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Request No : W6701183

Report No : 6701-1094-1

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 : จุติระบายน้ำฝนจาก Storm Water Diversion (TK-301)**
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 11/01/2024 – 19/01/2024
Sample No. : W 67010576
Sampling Date : 10/01/2024**
Sampling Time : 9:45 AM**
Received Date : 11/01/2024
Reported Date : 14/06/2024

Parameter	Unit	Method	Result
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	29.3
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	181
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0
pH (on site) *		Electrometric Method	7.7
Temperature *	°C	Laboratory and Field Method	31
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	260
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	132
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540 D)	62

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

Remark : 1. @ = 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, 23rd Edition, 2017
2. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.
3. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan (จ-003-ค-0016)*
4. ** = These data are non laboratory data. / Sampling at UTM 47 P 731235 E 1404859 N

SUPPLEMENT TO TEST REPORT NO. 6701-1094

Examined By.....
(Miss Apiradee Chuen-arom)
(จ-003-ค-0007)
14/06/2024



Approved By.....
(Miss Nunnaphat Bakhuntod)
(จ-003-ค-0005)
14 / 06 / 2024

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY
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Request No : W6701183

Report No : 6701-1094-1

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 : จุลระบายนน้ำฝนจาก Storm Water Diversion (TK-301)
Sampling By : ETC
Sampling Method : Grab
Tested Date : 11/01/2024 – 19/01/2024
Sample No. : W 67010576
Sampling Date : 10/01/2024
Sampling Time : 9:45 AM
Received Date : 11/01/2024
Reported Date : 14/06/2024

Parameter	Unit	Method	Result
Ammonia	mg/L as NH ₃	Distillation and Titrimetric Method (SM:4500 -NH ₃ B,4500 -NH ₃ C)	135

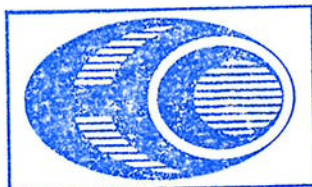
Physical Apperance :

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

Remark :

1. 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, 23rd Edition, 2017
3. Sampling By Mr. Songpon Phiwuan
4. Sampling at UTM 47 P 731235 E 1404859 N

SUPPLEMENT TO TEST REPORT NO. 6701-1094



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....

(Miss Apiradee Chuen-arom)

14 / 06 / 2024

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY
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Request No : W6705405

Report No : 6705-1655-1

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 67051276
Sample Name : จุดระบายน้ำฝนจาก Storm Water Diversion (TK-301) Sampling Date : 15/05/2024
Sampling By : ETC Sampling Time : 12:05 PM
Sampling Method : Grab Received Date : 16/05/2024
Tested Date : 16/05/2024 – 29/05/2024 Reported Date : 14/06/2024

Parameter	Unit	Method	Result
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	11.0
Chemical Oxygen Demand	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	103
Formaldehyde	mg/L	Distillation, Colorimetric Method	<0.50
Oil and Grease	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0
pH (on site)		Electrometric Method	7.2
Temperature	°C	Laboratory and Field Method (SM:2550B)	31
Total Dissolved Solids	mg/L	Dried at 180 degree celsius (SM:2540 C)	96
Total Kjeldahl Nitrogen	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	11
Total Suspended Solids	mg/L	Dried at 103-105 degree celsius (SM:2540 D)	41

Physical Appearance : 1. Sample : green, lightly SS

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

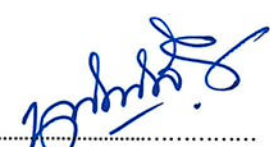
Remark : 1. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023
2. Sampling By Mr. Songpon Phiwan (จ-003-ค-0016)
3. Sampling at UTM 47 P.731235 E 1404859 N

Examined By 
(Miss Apiradee Chuen-arom)
(จ-003-ค-0007)
14/06/2024

SUPPLEMENT TO TEST REPORT NO. 6705-1655



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By 
(Miss Nunnahphat Bakhuntod)
(จ-003-ค-0005)
14/06/2024

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Request No : W6705405

Report No : 6705-1655-1

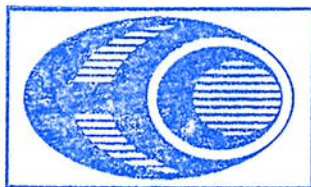
TEST REPORT

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 67051276
Sample Name : จุดระบายน้ำฝนจาก Storm Water Diversion (TK-301) Sampling Date : 15/05/2024
Sampling By : ETC Sampling Time : 12:05 PM
Sampling Method : Grab Received Date : 16/05/2024
Tested Date : 16/05/2024 – 29/05/2024 Reported Date : 14/06/2024

Parameter	Unit	Method	Result
Ammonia	mg/L as NH ₃	Distillation and Titrimetric Method (SM:4500 -NH3 B,4500 -NH3 C)	10

Physical Apperance : 1. Sample : 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. Songpon Phiwuan
4. Sampling at UTM 47 P 731235 E 1404859 N

SUPPLEMENT TO TEST REPORT NO. 6705-1655



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....

(Miss Apiradee Chuen-arom)

14/06/2024

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Request No : W6706099

Report No : 6706-0933

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 16
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
Sampling Source : EA Plant Sample No. : W 67060330
Sample Name : จุดระบายน้ำฝนจาก Storm Water Diversion (TK-301) Sampling Date : 05/06/2024
Sampling By : ETC Sampling Time : 10:05 AM
Sampling Method : Grab Received Date : 06/06/2024
Tested Date : 06/06/2024 – 14/06/2024 Reported Date : 18/06/2024

Parameter	Unit	Method	Result
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	10.2
Chemical Oxygen Demand	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	44
Formaldehyde	mg/L	Distillation, Colorimetric Method	0.56
Oil and Grease	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0
pH (on site)		Electrometric Method	6.6
Temperature	°C	Laboratory and Field Method (SM:2550B)	31
Total Dissolved Solids	mg/L	Dried at 180 degree celsius (SM:2540 C)	52
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)	21

Physical Apperance : 1. Sample : green, lightly SS

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

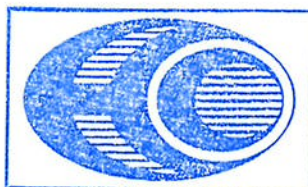
Remark : 1. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023
2. Sampling By Mr. Parkpoom Buasawad (จ-003-ค-0017)
3. Sampling at UTM 47 P 731235 E 1404859 N

Examined By.....

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

18/06/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(Miss Nunnahphat Bakhuntod)

(จ-003-ค-0005)

18/06/2024

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

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Request No : W6706099

Report No : 6706-0933

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 16
Address : 9-9/1 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road, Tambon Map Ta Phut,
Amphur Muang Rayong, Rayong 21150
Sampling Source : EA Plant
Sample Name : จุดระบายน้ำฝนจาก Storm Water Diversion (TK-301)
Sampling By : ETC
Sampling Method : Grab
Tested Date : 06/06/2024 – 14/06/2024
Sample No. : W 67060330
Sampling Date : 05/06/2024
Sampling Time : 10:05 AM
Received Date : 06/06/2024
Reported Date : 18/06/2024

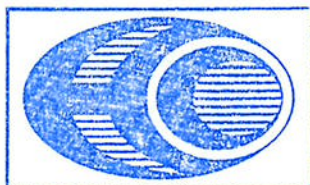
Parameter	Unit	Method	Result
Ammonia	mg/L as NH ₃	Distillation and Titrimetric Method (SM:4500 -NH3 B,4500 -NH3 C)	< 2.43

Physical Appearance :

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

Remark :

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....
(Miss Apiradee Chuen-arom)
18/06/2024

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

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Request No : W6701183

Report No : 6701-1095-1


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 : 11/01/2024 – 19/01/2024
Sample No. : W 67010577
Sampling Date : 10/01/2024**
Sampling Time : 9:40 AM**
Received Date : 11/01/2024
Reported Date : 14/06/2024

Parameter	Unit	Method	Result
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	2,783
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	3,891
Formaldehyde *	mg/L	Distillation, Colorimetric Method	13.5
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0
pH (on site) *		Electrometric Method	10.5
Temperature *	°C	Laboratory and Field Method	31
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540 D)	< 25
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	796
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540 D)	< 5

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

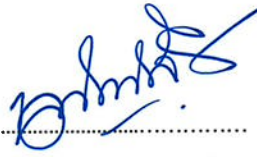
Remark : 1. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
2. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.
3. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (จ-003-ค-0016)*
4. ** = These data are non laboratory data. / Sampling at UTM 47 P 731233 E 1404850 N

Examined By 
(Miss Apiradee Chuen-arom)
(จ-003-ค-0007)
14/06/2024

SUPPLEMENT TO TEST REPORT NO. 6701-1095



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By 
(Miss Nunnaphat Bakhuntod)
(จ-003-ค-0005)
14 / 06 / 2024

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

COPY

Request No : W6701183

Report No : 6701-1095-1

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 67010577
Sample Name : บ่อปรับสมดุล Equalization Sump (TK-101) Sampling Date : 10/01/2024
Sampling By : ETC Sampling Time : 9:40 AM
Sampling Method : Grab Received Date : 11/01/2024
Tested Date : 11/01/2024 – 19/01/2024 Reported Date : 14/06/2024

Parameter	Unit	Method	Result
Ammonia	mg/L as NH ₃	Distillation and Titrimetric Method (SM:4500 -NH ₃ B, 4500 -NH ₃ C)	20

Physical Apperance :

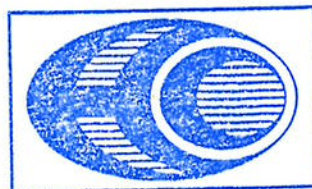
1. Sample : lightly SS

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

Remark :

- Parameter Outside The Scope of The Registration of Department of Industrial Works
- SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
- Sampling By Mr. Songpon Phiwuan
- Sampling at UTM 47 P 731233 E 1404850 N

SUPPLEMENT TO TEST REPORT NO. 6701-1095



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY
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Examined By.....

(Miss Apiradee Chuen-arom)

14 / 06 / 2024

COPY

Request No : W6702405

Report No : 6702-1667-1

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 67021208
Sample Name : บ่อปรับสมดุล Equalization Sump (TK-101)** Sampling Date : 14/02/2024**
Sampling By : ETC** Sampling Time : 9:35 AM**
Sampling Method : Grab** Received Date : 15/02/2024
Tested Date : 15/02/2024 – 26/02/2024 Reported Date : 14/06/2024

Parameter	Unit	Method	Result
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	287
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	1,411
Formaldehyde *	mg/L	Distillation, Colorimetric Method	3.18
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	<3.0
pH (on site) *		Electrometric Method	9.2
Temperature *	°C	Laboratory and Field Method (SM:2550B)	29
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540 C)	82
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	220
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540 D)	< 5

Physical Apperance : 1. Sample : 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, 23rd Edition, 2017
2. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.
3. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (จ-003-ก-0016)*
4. ** = These data are non laboratory data. / Sampling at UTM 47 P 731233 E 1404850 N

Examined By 
(Miss Apiradee Chuen-arom)
(จ-003-ก-0007)
14 / 06 / 2024

SUPPLEMENT TO TEST REPORT NO 6702-1667



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By 
(Miss Nunnaphat Bakhuntod)
(จ-003-ก-0005)
14 / 06 / 2024

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WITHOUT THE WRITTEN APPROVAL LABORATORY

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Request No : W6702405

Report No : 6702-1667-1

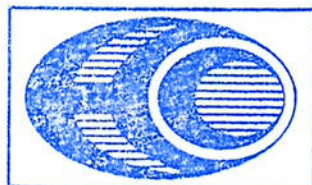
TEST REPORT

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 67021208
Sample Name : บ่อปรับสมดุล Equalization Sump (TK-101) Sampling Date : 14/02/2024
Sampling By : ETC Sampling Time : 9:35 AM
Sampling Method : Grab Received Date : 15/02/2024
Tested Date : 15/02/2024 – 26/02/2024 Reported Date : 14/06/2024

Parameter	Unit	Method	Result
Ammonia	mg/L as NH ₃	Distillation and Titrimetric Method (SM:4500 -NH ₃ B, 4500 -NH ₃ C)	11

Physical Appearance : 1. Sample : 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, 23rd Edition, 2017
3. Sampling By Mr. Songpon Phiwan
4. Sampling at UTM 47 P 731233 E 1404850 N

SUPPLEMENT TO TEST REPORT NO. 6702-1667



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....
(Miss Apiradee Chuen-arom)

14 / 06 / 2024

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY
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Request No : W6705405

Report No : 6705-1656-1

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 67051277
Sample Name : บ่อปรับสมดุล Equalization Sump (TK-101) Sampling Date : 15/05/2024
Sampling By : ETC Sampling Time : 11:55 AM
Sampling Method : Grab Received Date : 16/05/2024
Tested Date : 16/05/2024 – 24/05/2024 Reported Date : 14/06/2024

Parameter	Unit	Method	Result
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	991
Chemical Oxygen Demand	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	1,535
Formaldehyde	mg/L	Distillation, Colorimetric Method	4.17
Oil and Grease	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0
pH (on site)		Electrometric Method	9.8
Temperature	°C	Laboratory and Field Method (SM:2550B)	30
Total Dissolved Solids	mg/L	Dried at 180 degree celsius (SM:2540 C)	< 25
Total Kjeldahl Nitrogen	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	268
Total Suspended Solids	mg/L	Dried at 103-105 degree celsius (SM:2540 D)	< 5

Physical Appearance : 1. Sample : lightly SS

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

Remark : 1. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023
2. Sampling By Mr. Songpon Phiwan (ว-003-ค-0016)
3. Sampling at UTM 47 P 731233 E 1404850 N

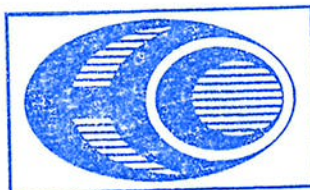
SUPPLEMENT TO TEST REPORT NO. 6705-1656

Examined By.....

(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

14/06/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(Miss Nunnahphat Bakhuntod)

(ว-003-ค-0005)

14/06/2024

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

COPY

Request No : W6705405

Report No : 6705-1656-1

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

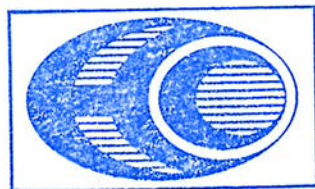
Sampling Source : EA Plant Sample No. : W 67051277
Sample Name : บ่อปรับสมดุล Equalization Sump (TK-101) Sampling Date : 15/05/2024
Sampling By : ETC Sampling Time : 11:55 AM
Sampling Method : Grab Received Date : 16/05/2024
Tested Date : 16/05/2024 – 24/05/2024 Reported Date : 14/06/2024

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

Physical Apperance : 1. Sample : 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. Songpon Phiwuan
4. Sampling at UTM 47 P 731233 E 1404850 N

SUPPLEMENT TO TEST REPORT NO. 6705-1656



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....
(Miss Apiradee Chuen-arom)
14/06/2024

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

COPY

Request No : W6706099

Report No : 6706-0934

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 : 06/06/2024 – 14/06/2024
Sample No. : W 67060331
Sampling Date : 05/06/2024
Sampling Time : 9:55 AM
Received Date : 06/06/2024
Reported Date : 18/06/2024

Parameter	Unit	Method	Result
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	572
Chemical Oxygen Demand	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	2,571
Formaldehyde	mg/L	Distillation, Colorimetric Method	9.33
Oil and Grease	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0
pH (on site)		Electrometric Method	10.1
Temperature	°C	Laboratory and Field Method (SM:2550B)	36
Total Dissolved Solids	mg/L	Dried at 180 degree celsius (SM:2540 C)	< 25
Total Kjeldahl Nitrogen	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	397
Total Suspended Solids	mg/L	Dried at 103-105 degree celsius (SM:2540 D)	< 5

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

Remark : 1. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023
2. Sampling By Mr. Parkpoom Buasawad (จ-003-ค-0017)
3. Sampling at UTM 47 P 731233 E 1404850 N

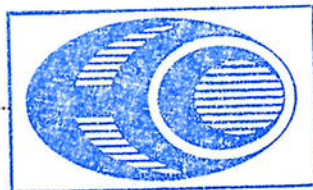
Examined By



(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

18/06/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By



(Miss Nunnahphat Bakhuntod)

(จ-003-ค-0005)

18/06/2024

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Request No : W6706099

Report No : 6706-0934

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 : 06/06/2024 – 14/06/2024
Sample No. : W 67060331
Sampling Date : 05/06/2024
Sampling Time : 9:55 AM
Received Date : 06/06/2024
Reported Date : 18/06/2024

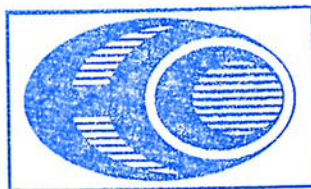
Parameter	Unit	Method	Result
Ammonia	mg/L as NH ₃	Distillation and Titrimetric Method (SM:4500 -NH ₃ B, 4500 -NH ₃ C)	20

Physical Apperance :

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

Remark :

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....

(Miss Apiradee Chuen-arom)

18/06/2024

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY
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Request No : W6701183

Report No : 6701-1096-1


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 67010578
Sample Name : จุลินทรีย์บำบัดน้ำเสีย Neutralization Sump (TK-201)** Sampling Date : 10/01/2024**
Sampling By : ETC** Sampling Time : 9:55 AM**
Sampling Method : Grab** Received Date : 11/01/2024
Tested Date : 11/01/2024 – 19/01/2024 Reported Date : 14/06/2024

Parameter	Unit	Method	Result
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	2,683
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	3,659
Formaldehyde *	mg/L	Distillation, Colorimetric Method	4.81
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0
pH (on site) *		Electrometric Method	4.2
Temperature *	°C	Laboratory and Field Method	30
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	5,236
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	791
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540 D)	6

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

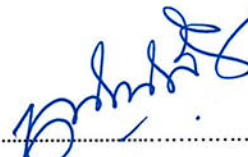
Remark : 1. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
2. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.
3. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan (จ-003-ค-0016)*
4. ** = These data are non laboratory data. / Sampling at UTM 47 P 731229 E 1404850 N

Examined By 
(Miss Apiradee Chuen-arom)
(จ-003-ค-0007)
14/06/2024

SUPPLEMENT TO TEST REPORT NO. 6701-1096



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By 
(Miss Nunnaphat Bakhuntod)
(จ-003-ค-0005)
14 / 06 / 2024

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Request No : W6701183

Report No : 6701-1096-1

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 67010578
Sample Name : จุลินทรีย์ออกจาก Neutralization Sump (TK-201) Sampling Date : 10/01/2024
Sampling By : ETC Sampling Time : 9:55 AM
Sampling Method : Grab Received Date : 11/01/2024
Tested Date : 11/01/2024 – 19/01/2024 Reported Date : 14/06/2024

Parameter	Unit	Method	Result
Ammonia	mg/L as NH ₃	Distillation and Titrimetric Method (SM:4500 -NH ₃ B,4500 -NH ₃ C)	27

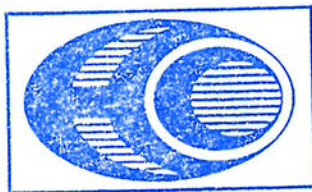
Physical Apperance :

1. Sample : 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, 23rd Edition, 2017
3. Sampling By Mr. Songpon Phiwuan
4. Sampling at UTM 47 P 731229 E 1404850 N

SUPPLEMENT TO TEST REPORT NO. 6701-1096



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....

(Miss Apiradee Chuen-arom)

14 / 06 / 2024

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Request No : W6702405

Report No : 6702-1668-1


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 67021209
Sample Name : จุลินทรีย์บำบัดน้ำออกจาก Neutralization Sump (TK-201)** Sampling Date : 14/02/2024**
Sampling By : ETC** Sampling Time : 9:45 AM**
Sampling Method : Grab** Received Date : 15/02/2024
Tested Date : 15/02/2024 – 26/02/2024 Reported Date : 14/06/2024

Parameter	Unit	Method	Result
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	309
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	1,004
Formaldehyde *	mg/L	Distillation, Colorimetric Method	<0.50
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	<3.0
pH (on site) *		Electrometric Method	7.6
Temperature *	°C	Laboratory and Field Method (SM:2550B)	30
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540 C)	796
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	141
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540 D)	14

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

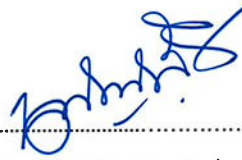
Remark : 1. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
2. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.
3. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan (จ-003-ค-0016)*
4. ** = These data are non laboratory data. / Sampling at UTM 47 P 731229 E 1404850 N

Examined By 
(Miss Apiradee Chuen-arom)
(จ-003-ค-0007)
14 / 06 / 2024

SUPPLEMENT TO TEST REPORT NO. 6702-1668



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By 
(Miss Nunnaphat Bakhuntod)
(จ-003-ค-0005)
14 / 06 / 2024

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY
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Request No : W6702405

Report No : 6702-1668-1

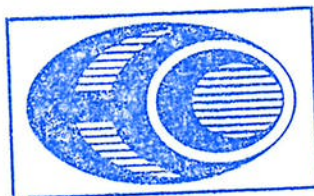
TEST REPORT

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 67021209
Sample Name : จุลินทรีย์ออกจาก Neutralization Sump (TK-201) Sampling Date : 14/02/2024
Sampling By : ETC Sampling Time : 9:45 AM
Sampling Method : Grab Received Date : 15/02/2024
Tested Date : 15/02/2024 – 26/02/2024 Reported Date : 14/06/2024

Parameter	Unit	Method	Result
Ammonia	mg/L as NH ₃	Distillation and Titrimetric Method (SM:4500 -NH3 B, 4500 -NH3 C)	18

Physical Apperance : 1. Sample : 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, 23rd Edition, 2017
3. Sampling By Mr. Songpon Phiwan
4. Sampling at UTM 47 P 731229 E 1404850 N

SUPPLEMENT TO TEST REPORT NO. 6702-1668



Examined By.....

(Miss Apiradee Chuen-arom)

14 / 06 / 2024

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด
REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY
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COPY

Request No : W6705405

Report No : 6705-1657-1

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 67051278
Sample Name : จุลินทรีย์ออกจาก Neutralization Sump (TK-201) Sampling Date : 15/05/2024
Sampling By : ETC Sampling Time : 11:50 AM
Sampling Method : Grab Received Date : 16/05/2024
Tested Date : 16/05/2024 – 27/05/2024 Reported Date : 14/06/2024

Parameter	Unit	Method	Result
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	796
Chemical Oxygen Demand	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	2,193
Formaldehyde	mg/L	Distillation, Colorimetric Method	<0.50
Oil and Grease	mg/L	Partition-Gravimetric Method (SM:5520B)	<0.30
pH (on site)		Electrometric Method	7.3
Temperature	°C	Laboratory and Field Method (SM:2550B)	30
Total Dissolved Solids	mg/L	Dried at 180 degree celsius (SM:2540 C)	2,776
Total Kjeldahl Nitrogen	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	456
Total Suspended Solids	mg/L	Dried at 103-105 degree celsius (SM:2540 D)	7

Physical Apperance : 1. Sample : yellowish, lightly SS

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

Remark : 1. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023
2. Sampling By Mr. Songpon Phiwuan (จ-003-ค-0016)
3. Sampling at UTM 47 P 731229 E 1404850 N

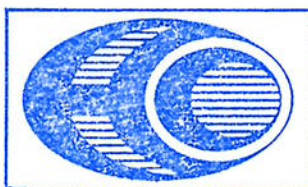
SUPPLEMENT TO TEST REPORT NO. 6705-1657

Examined By.....

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

14/06/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(Miss Nunnahphat Bakhuntod)

(จ-003-ค-0005)

14/06/2024

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY

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Request No : W6705405

Report No : 6705-1657-2

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

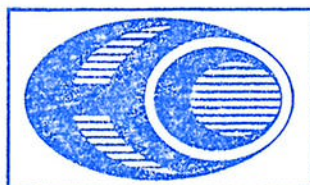
Sampling Source : EA Plant Sample No. : W 67051278
Sample Name : จุลินทรีย์ออกจาก Neutralization Sump (TK-201) Sampling Date : 15/05/2024
Sampling By : ETC Sampling Time : 11:50 AM
Sampling Method : Grab Received Date : 16/05/2024
Tested Date : 16/05/2024 – 27/05/2024 Reported Date : 14/06/2024

Parameter	Unit	Method	Result
Ammonia	mg/L as NH ₃	Distillation and Titrimetric Method (SM:4500 -NH3 B,4500 -NH3 C)	166

Physical Apperance : 1. Sample : 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. Songpon Phiwan
4. Sampling at UTM 47 P 731229 E 1404850 N

SUPPLEMENT TO TEST REPORT NO. 6705-1657-1



Examined By.....

(Miss Apiradee Chuen-arom)

14/06/2024

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด
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Request No : W6706099

Report No : 6706-0935

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 67060332
Sample Name : อู่ครบะบะยออกจก Neutralization Sump (TK-201) Sampling Date : 05/06/2024
Sampling By : ETC Sampling Time : 10:00 AM
Sampling Method : Grab Received Date : 06/06/2024
Tested Date : 06/06/2024 – 14/06/2024 Reported Date : 18/06/2024

Parameter	Unit	Method	Result
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	1,295
Chemical Oxygen Demand	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	2,444
Formaldehyde	mg/L	Distillation, Colorimetric Method	0.83
Oil and Grease	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0
pH (on site)		Electrometric Method	6.7
Temperature	°C	Laboratory and Field Method (SM:2550B)	36
Total Dissolved Solids	mg/L	Dried at 180 degree celsius (SM:2540 C)	2,504
Total Kjeldahl Nitrogen	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	399
Total Suspended Solids	mg/L	Dried at 103-105 degree celsius (SM:2540 D)	< 5

Physical Appearance : 1. Sample : lightly SS

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

Remark : 1. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023
2. Sampling By Mr. Parkpoom Buasawad (จ-003-ค-0017)
3. Sampling at UTM 47 P 731229 E 1404850 N

Examined By

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

18/06/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(Miss Nunnahphat Bakhuntod)

(จ-003-ค-0005)

18/06/2024

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY

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COPY

Request No : W6706099

Report No : 6706-0935

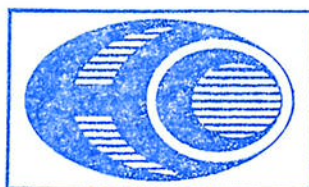
TEST REPORT

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 : จุลินทรีย์ออกจาก Neutralization Sump (TK-201)
Sampling By : ETC
Sampling Method : Grab
Tested Date : 06/06/2024 – 14/06/2024
Sample No. : W 67060332
Sampling Date : 05/06/2024
Sampling Time : 10:00 AM
Received Date : 06/06/2024
Reported Date : 18/06/2024

Parameter	Unit	Method	Result
Ammonia	mg/L as NH ₃	Distillation and Titrimetric Method (SM:4500 -NH3 B,4500 -NH3 C)	19

Physical Appearance :
1. Sample : 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. Songpon Phiwan
4. Sampling at UTM 47 P 731229 E 1404850 N



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By: 
(Miss Apiradee Chuen-arom)

18/06/2024

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY
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Request No : W6701183

Report No : 6701-1097-1

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 67010579
Sample Name : จุฑระบาชออกจากถัง Final Check Basin (TK-601)** Sampling Date : 10/01/2024**
Sampling By : ETC** Sampling Time : 9:30 AM**
Sampling Method : Grab** Received Date : 11/01/2024
Tested Date : 11/01/2024 – 19/01/2024 Reported Date : 14/06/2024

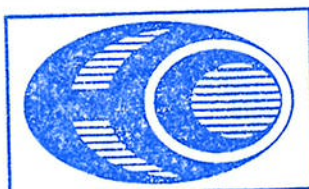
Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	186	≤ 500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	353	≤ 750
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50	≤ 1
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 10
pH (on site) *		Electrometric Method	7.1	5.5-9.0
Temperature *	°C	Laboratory and Field Method	30	≤ 45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540 D)	584	≤ 3000
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	81	≤ 100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540 D)	10	≤ 200

Physical Apperance : 1. Sample : 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 76 / 2560 (2017)
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, 23rd Edition, 2017
3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan (จ-003-ค-0016)*
5. ** = These data are non laboratory data. / Sampling at UTM 47 P 731233 E 1404844 N

SUPPLEMENT TO TEST REPORT NO. 6701-1097

Examined By.....
(Miss Apiradee Chuen-arom)
(จ-003-ค-0007)
14/06/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....
(Miss Nunnaphat Bakhuntod)
(จ-003-ค-0005)
14 / 06 / 2024

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Request No : W6701183

Report No : 6701-1097-1

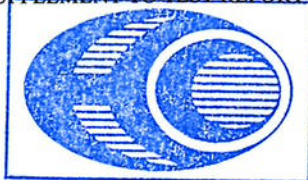
TEST REPORT

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 : จุกระบายออกจากถัง Final Check Basin (TK-601)
Sampling By : ETC
Sampling Method : Grab
Tested Date : 11/01/2024 – 19/01/2024
Sample No. : W 67010579
Sampling Date : 10/01/2024
Sampling Time : 9:30 AM
Received Date : 11/01/2024
Reported Date : 14/06/2024

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)	70	-

Physical Apperance : 1. Sample : 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 76 / 2560 (2017)
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, 23rd Edition, 2017
4. Sampling By Mr. Songpon Phiwan
5. Sampling at UTM 47 P 731233 E 1404844 N

SUPPLEMENT TO TEST REPORT NO. 6701-1097



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....
(Miss Apiradee Chuen-arom)

14 / 06 / 2024

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Request No : W6702405, W6703004

Report No : 6702-1669-2, 6703-0195


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 67021210, W 67030012
Sample Name : จุลินทรีย์บำบัดน้ำเสีย Final Check Basin (TK-601)** Sampling Date : 14/02/2024, 29/02/2024**
Sampling By : ETC** Sampling Time : 9:30 AM, 2:40 PM**
Sampling Method : Grab** Received Date : 15/02/2024, 01/03/2024
Tested Date : 15/02/2024 – 26/02/2024 Reported Date : 14/06/2024

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	107	≤ 500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	502	≤ 750
Formaldehyde *	mg/L	Distillation, Colorimetric Method	<0.50	≤ 1
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	<3.0	≤ 10
pH (on site) *		Electrometric Method	7.8	5.5-9.0
Temperature *	°C	Laboratory and Field Method (SM:2550B)	36	≤ 45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540 C)	512	≤ 3000
Total Kjeldahl Nitrogen ^{*/2}	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	48	≤ 100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540 D)	23	≤ 200

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

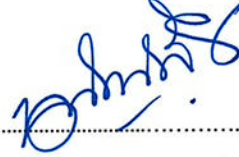
Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)
2. /2 Sample No. W67030012 : Sampling Date 29/02/2024 (2:40 PM) Tested Date 01/03/2024 – 02/03/2024
3. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
4. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.
5. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan (จ-003-ค-0016)*
6. ** = These data are non laboratory data. / Sampling at UTM 47 P 731233 E 1404844 N

Examined By 
(Miss Apiradee Chuen-arom)
(จ-003-ค-0007)
14 / 06 / 2024

SUPPLEMENT TO TEST REPORT NO. 6702-1669-1



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By 
(Miss Nunnaphat Bakhuntod)
(จ-003-ค-0005)
14 / 06 / 2024

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY
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Request No : W6702405

Report No : 6702-1669-1

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 : จุดระบายออกจากถัง Final Check Basin (TK-601)
Sampling By : ETC
Sampling Method : Grab
Tested Date : 15/02/2024 – 26/02/2024
Sample No. : W 67021210
Sampling Date : 14/02/2024
Sampling Time : 9:30 AM
Received Date : 15/02/2024
Reported Date : 14/06/2024

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)	72	-

Physical Apperance :

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

Remark :

1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)
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, 23rd Edition, 2017
4. Sampling By Mr. Songpon Phiwuan
5. Sampling at UTM 47 P 731233 E 1404844 N

SUPPLEMENT TO TEST REPORT NO. 6702-1669



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Examined By.....

(Miss Apiradee Chuen-arom)

14 / 06 / 2024

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY
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Request No : W6705405

Report No : 6705-1658-1

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 67051279
Sample Name : จุลินทรีย์จากถัง Final Check Basin (TK-601) Sampling Date : 15/05/2024
Sampling By : ETC Sampling Time : 12:00 PM
Sampling Method : Grab Received Date : 16/05/2024
Tested Date : 16/05/2024 – 24/05/2024 Reported Date : 14/06/2024

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	130	≤ 500
Chemical Oxygen Demand	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	345	≤ 750
Formaldehyde	mg/L	Distillation, Colorimetric Method	<0.50	≤ 1
Oil and Grease	mg/L	Partition-Gravimetric Method	< 3.0	≤ 10
pH (on site)		Electrometric Method	7.1	5.5-9.0
Temperature	°C	Laboratory and Field Method (SM:2550B)	31	≤ 45
Total Dissolved Solids	mg/L	Dried at 180 degree celsius (SM:2540 C)	640	≤ 3000
Total Kjeldahl Nitrogen	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	72	≤ 100
Total Suspended Solids	mg/L	Dried at 103-105 degree celsius (SM:2540 D)	10	≤ 200

Physical Apperance : 1. Sample : gray, 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 76 / 2560 (2017)
2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023
3. Sampling By Mr. Songpon Phiwan (ว-003-ค-0016)
4. Sampling at UTM 47 P 731233 E 1404844 N

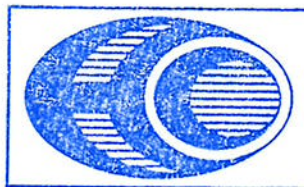
SUPPLEMENT TO TEST REPORT NO. 6705-1658

Examined By

(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

14/06/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(Miss Nunnahphat Bakhuntod)

(ว-003-ค-0005)

14/06/2024

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

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Request No : W6705405

Report No : 6705-1658-2

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 : จุดระบายออกจากถัง Final Check Basin (TK-601)
Sampling By : ETC
Sampling Method : Grab
Tested Date : 16/05/2024 – 24/05/2024
Sample No. : W 67051279
Sampling Date : 15/05/2024
Sampling Time : 12:00 PM
Received Date : 16/05/2024
Reported Date : 14/06/2024

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)	80	-

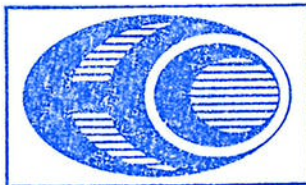
Physical Apperance :

1. Sample : gray, 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 76 / 2560 (2017)
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. Songpon Phiwuan
5. Sampling at UTM 47 P 731233 E 1404844 N

SUPPLEMENT TO TEST REPORT NO. 6705-1658-1



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Examined By.....

(Miss Apiradee Chuen-arom)

14/06/2024

COPY

Request No : W6706099, W6706664

Report No : 6706-0936-1, 6707-0153

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 67060333, W 67062035
Sample Name : จุกระบายออกจากถัง Final Check Basin (TK-601) Sampling Date : 05/06/2024, 27/06/2024
Sampling By : ETC Sampling Time : 10:10 AM, 9:15 AM
Sampling Method : Grab Received Date : 06/06/2024, 28/06/2024
Tested Date : 06/06/2024 – 14/06/2024 Reported Date : 03/07/2024

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	105	≤ 500
Chemical Oxygen Demand	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	429	≤ 750
Formaldehyde	mg/L	Distillation, Colorimetric Method	<0.50	≤ 1
Oil and Grease	mg/L	Partition-Gravimetric Method	< 3.0	≤ 10
pH (on site)		Electrometric Method	6.6	5.5-9.0
Temperature	°C	Laboratory and Field Method (SM:2550B)	37	≤ 45
Total Dissolved Solids	mg/L	Dried at 180 degree celsius (SM:2540 C)	500	≤ 3000
Total Kjeldahl Nitrogen /2	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	51	≤ 100
Total Suspended Solids	mg/L	Dried at 103-105 degree celsius (SM:2540 D)	14	≤ 200

Physical Apperance : 1. Sample : 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. /2 Sample No. W67062035 : Sampling Date 27/06/2024 (9:15 AM) Tested Date 28/06/2024 – 01/07/2024
3. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023
4. Sampling By Mr. Parkpoom Buasawad (จ-003-ค-0017)
5. Sampling at UTM 47 P 731233 E 1404844 N

SUPPLEMENT TO TEST REPORT NO. 6706-0936

Examined By.....

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

03/07/2024



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Approved By

(Miss Nunnahphat Bakhuntod)

(จ-003-ค-0005)

03/07/2024

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Request No : W6706099

Report No : 6706-0936

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 67060333
Sample Name : จุกระบายออกจากถัง Final Check Basin (TK-601) Sampling Date : 05/06/2024
Sampling By : ETC Sampling Time : 10:10 AM
Sampling Method : Grab Received Date : 06/06/2024
Tested Date : 06/06/2024 – 14/06/2024 Reported Date : 18/06/2024

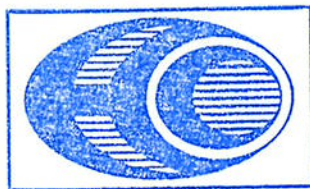
Parameter	Unit	Method	Result	Standard ¹
Ammonia	mg/L as NH ₃	Distillation and Titrimetric Method (SM:4500 -NH ₃ B, 4500 -NH ₃ C)	89	-

Physical Apperance :

1. Sample : 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. Parkpoom Buasawad
5. Sampling at UTM 47 P 731233 E 1404844 N



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....

(Miss Apiradee Chuen-arom)

18/06/2024

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Request No. ATR6702005

Report No. 6702-0089

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 NAME : บริเวณ Ammonia Vent Scrubber (Area) (A2014) ด้านบน
SAMPLING DATE : 02/02/2024 SAMPLE NO. : A67020089
RECEIVED DATE : 05/02/2024 SAMPLING TIME : 08:45-20:45
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 05/02/2024-07/02/2024
Serial No. 218383 REPORTED DATE : 13/02/2024

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.

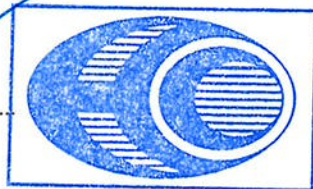
(Sampling By Mr. Suttha Songthaninai)

GPS = Sampling at UTM 47 P 731262E 1404912N

Examined By

(Miss Thanatporn Klinsoon)

13/02/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(Mr. Kawee Suthasub)

13/02/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Request No. ATR6705047

Report No. 6705-0887

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 NAME : บริเวณ Ammonia Vent Scrubber (Area) (A2014) ด้านบน
SAMPLING DATE : 08/05/2024 SAMPLE NO. : A67050887
RECEIVED DATE : 16/05/2024 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 16/05/2024-18/05/2024
Serial No. 218411 REPORTED DATE : 27/05/2024

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. Suttha Songthaninai)

GPS = Sampling at UTM 47 P 731262E 1404912N

Examined By

(Miss Thanatporn Klinsopon)

27/05/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(Mr. Kawee Suthasub)

27/05/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Request No. ATR6702005

Report No. 6702-0090

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 NAME : พื้นที่กระบวนการผลิต (Area) (P2054) SAMPLE NO : A67020090
SAMPLING DATE : 02/02/2024 SAMPLING TIME : 08:40-20:40
RECEIVED DATE : 05/02/2024 TESTED DATE : 05/02/2024 – 16/02/2024
SAMPLING INSTRUMENT : Passive Sampling REPORTED DATE : 20/02/2024

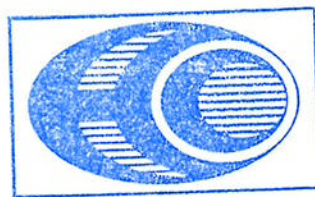
PARAMETER**	TEST METHOD	RESULT ^{1/2}	STD ^{1/}	UNIT
Ethylene Oxide	OSHA 1010	ND	1.8	mg/m ³
		ND	1.0	ppm

REMARK:

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

^{1/2} ND = Non detectable : detection limit of Ethylene Oxide is 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. Sutha Songthaninai)
Analysed By SECOT Co.,Ltd. / GPS = Sampling at UTM 47 P 731245E 1404907N



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Examined By 

(Miss Thanatporn Klinsopon)

20/02/2024

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Request No. LA67-R0134

Report No. R6701-0742

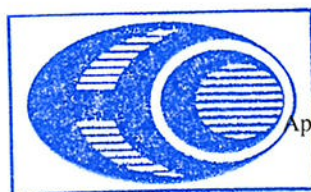
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
 ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road,
 Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
 SAMPLE SOURCE : EA Plant
 SAMPLE POINT : กระบวนการผลิต (P2051A)
 PARAMETER* : L_{eq} 1 hr., L_{eq} 8 hr. & L_{max} SAMPLE NO. : 00749
 DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 24/01/2024
 INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 24/01/2024
 S/N 00322754 : Class 2 REPORTED DATE : 26/01/2024

MEASURING TIME	RESULT		UNIT
	L_{eq} 1 hr.	L_{max}	
08:40-09:40	84.6	86.4	dB(A)
09:40-10:40	84.5	85.2	dB(A)
10:40-11:40	84.3	85.0	dB(A)
11:40-12:40	84.3	84.8	dB(A)
12:40-13:40	84.3	85.0	dB(A)
13:40-14:40	84.2	84.8	dB(A)
14:40-15:40	84.1	85.0	dB(A)
15:40-16:40	84.2	84.9	dB(A)
L_{eq} 8 hr.	84.3	—	dB(A)
Standard	90 ¹	140 ¹ , 115 ²	dB(A)

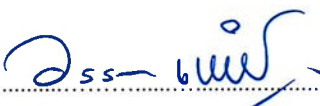
REMARK : ¹ Notification of The Ministry of Industry B.E. 2546 (2003)² Regulation of The Ministry of Labour B.E. 2559 (2016)

* Measurement By Ms. Pornnapa Phongphet



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By



(MRS. WANPEN LHAOCHINDAWAT)

26/01/2024

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Request No. LA67-R0592

Report No. R6705-2088

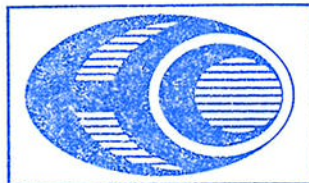
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 16
 ADDRESS : 9 Soi G-12, WHA Eastern Industrial Estate (Map Ta Phut), Pakorn Songkhraorat Road,
 Tambon Map Ta Phut, Amphur Muang Rayong, Rayong 21150
 SAMPLE SOURCE : EA Plant
 SAMPLE POINT : กระบวนการผลิต (P2051A)
 PARAMETER* : L_{eq} 1 hr., L_{eq} 8 hr. & L_{max} SAMPLE NO. : 12614
 DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 08/05/2024
 INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 08/05/2024
 S/N 00322746 : Class 2 REPORTED DATE : 23/05/2024

MEASURING TIME	RESULT		UNIT
	L_{eq} 1 hr.	L_{max}	
09:00-10:00	84.2	85.0	dB(A)
10:00-11:00	84.0	84.8	dB(A)
11:00-12:00	83.8	84.6	dB(A)
12:00-13:00	83.6	84.5	dB(A)
13:00-14:00	83.6	84.5	dB(A)
14:00-15:00	83.4	84.2	dB(A)
15:00-16:00	83.6	84.6	dB(A)
16:00-17:00	83.9	84.8	dB(A)
L_{eq} 8 hr.	83.8	—	dB(A)
Standard	90 ^{1/}	140 ^{1/} , 115 ^{2/}	dB(A)

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

* Measurement By Ms. Onanong Leewongsak



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Approved By

(MRS. WANPEN LHAOCHINDAWAT)

23/05/2024