

ภาคผนวก ค

ใบรับรองผลการตรวจวิเคราะห์คุณภาพสิ่งแวดล้อม

ผลการทดสอบคุณภาพอากาศในบรรยากาศ

ช่วงระหว่างการก่อสร้าง

Request No. ATR6704046

Report No. 6704-0820 - 6704-0826

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7,I-1 Road, Map Ta Phut Industrial Estate, Map Ta Phut, Muang Rayong, Rayong, 21150
SAMPLE SOURCE : GC 17 Polystyrene Plant
SAMPLE NAME : บริเวณพื้นที่ก่อสร้าง
RECEIVED DATE : 22/04/2024 SAMPLE NO. : A67040820 - A67040826
TESTED DATE : 22/04/2024-24/04/2024 REPORTED DATE : 26/04/2024

PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD ^{/1}	UNIT
Total Suspended Particulate (TSP)	Gravimetric Method	03-04/04/2024	0.055	0.33	mg/m ³
		04-05/04/2024	0.066	0.33	mg/m ³
		05-06/04/2024	0.071	0.33	mg/m ³
		06-07/04/2024	0.043	0.33	mg/m ³
		07-08/04/2024	0.037	0.33	mg/m ³
		08-09/04/2024	0.032	0.33	mg/m ³
		09-10/04/2024	0.042	0.33	mg/m ³

REMARK:

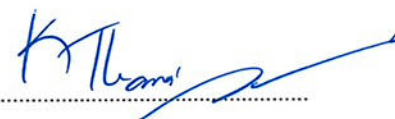
^{/1} Notification of The National Environmental Board Volume 24 B.E.2547 (2004) Standard for 24-hr Average.

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

(Sampling By Mr. Tummarat Photankhum)



Approved By



(Miss Thanatporn Klinsohon)

26/04/2024

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

Request No. ATR6704046

Report No. 6704-0827 - 6704-0833

TEST REPORT

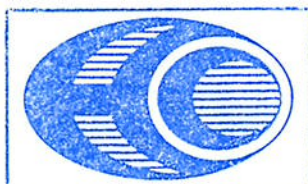
CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7,I-1 Road, Map Ta Phut Industrial Estate, Map Ta Phut, Muang Rayong, Rayong, 21150
SAMPLE SOURCE : GC 17 Polystyrene Plant
SAMPLE NAME : โรงเรือนบ้านหนองแฟบ
RECEIVED DATE : 22/04/2024 SAMPLE NO. : A67040827 - A67040833
TESTED DATE : 22/04/2024-24/04/2024 REPORTED DATE : 26/04/2024

PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD ^{/1}	UNIT
Total Suspended Particulate (TSP)	Gravimetric Method	03-04/04/2024	0.034	0.33	mg/m ³
		04-05/04/2024	0.038	0.33	mg/m ³
		05-06/04/2024	0.039	0.33	mg/m ³
		06-07/04/2024	0.020	0.33	mg/m ³
		07-08/04/2024	0.035	0.33	mg/m ³
		08-09/04/2024	0.022	0.33	mg/m ³
		09-10/04/2024	0.033	0.33	mg/m ³

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

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

(Sampling By Mr. Tummarat Photankhun)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(Miss Thanatporn Klinsohon)

26/04/2024

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Wind Speed & Wind Direction

Request No. LA67-R0475

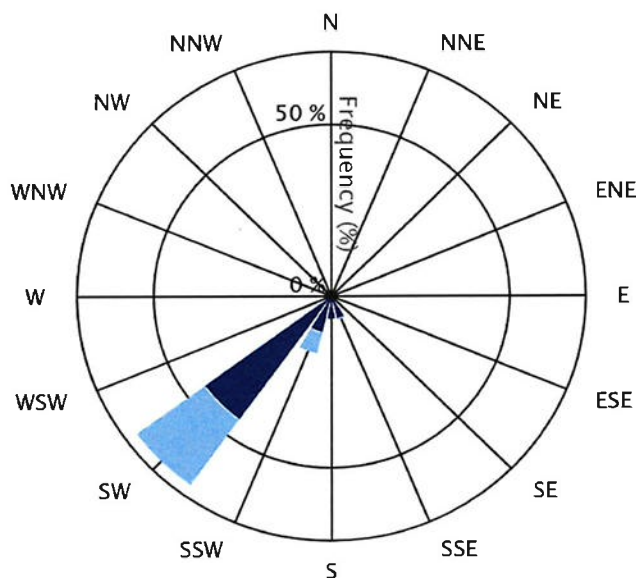
PTT Global Chemical Public Company Limited Branch 17 (GC 17 Polystyrene Plant)

Sample No. 08951

Sampling Source : บริเวณพื้นที่ก่อสร้าง

Sampling Date : April 3-10, 2024

Calm 0.6 %



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

WD/WS	Percentage of Occurrence of Wind Direct Grouped in Various Wind Speed						Total
	0.4-1.9 m/s	2.0-3.9 m/s	4.0-5.9 m/s	6.0-7.9 m/s	8.0-9.9 m/s	> 9.9 m/s	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.6	0.0	0.0	0.0	0.0	0.0	0.6
SSE	6.6	0.6	0.0	0.0	0.0	0.0	7.2
S	6.6	0.0	0.0	0.0	0.0	0.0	6.6
SSW	10.7	6.6	0.0	0.0	0.0	0.0	17.3
SW	44.1	23.8	0.0	0.0	0.0	0.0	67.9
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calm	0.6						

Wind Speed & Wind Direction

Request No. LA67-R0475

PTT Global Chemical Public Company Limited Branch 17 (GC 17 Polystyrene Plant)

Sample No. 08951

Sampling Source : บริเวณพื้นที่ก่อสร้าง

Sampling Date : April 3-10, 2024

Time	April 3-4, 2024		April 4-5, 2024		April 5-6, 2024		April 6-7, 2024		April 7-8, 2024		April 8-9, 2024		April 9-10, 2024	
	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction
10:00-11:00	0.9	SW	0.9	SW	1.8	SW	2.2	SSW	2.2	SSE	1.3	S	0.9	SSE
11:00-12:00	2.2	SSW	2.2	SW	1.8	SW	2.2	SW	2.2	SW	1.3	SW	1.3	SW
12:00-13:00	1.8	SSW	2.2	SW	2.2	SW	2.2	SW	1.8	SW	1.8	SE	1.3	SW
13:00-14:00	1.8	SSW	2.7	SW	2.2	SW	2.7	SSW	1.3	SW	1.8	SW	2.2	SW
14:00-15:00	2.2	SW	2.2	SW	2.7	SW	3.1	SSW	2.2	SSW	2.2	SW	2.7	SW
15:00-16:00	1.8	SW	2.2	SW	2.2	SW	2.7	SSW	1.8	SSW	1.8	SW	2.2	SW
16:00-17:00	1.3	SW	2.2	SW	2.2	SW	2.7	SW	1.8	SSW	1.3	SW	2.2	SSW
17:00-18:00	1.3	S	1.8	SW	1.8	SW	1.8	SW	1.8	SW	1.8	SW	1.3	SSW
18:00-19:00	1.3	SW	1.8	SW	1.8	SW	1.8	SW	1.3	SW	1.3	SW	1.3	SSW
19:00-20:00	0.9	S	1.3	SW	1.3	SW	1.8	SW	0.9	SW	1.3	SW	0.9	SSE
20:00-21:00	1.3	S	0.9	SSW	0.9	SW	1.8	SW	0.9	SW	0.9	SW	1.3	SSE
21:00-22:00	1.3	S	1.3	SW	0.9	SW	1.3	SW	0.9	SW	1.3	SSW	1.8	SW
22:00-23:00	1.3	SW	1.3	SW	0.9	SW	1.8	SW	0.9	SW	0.9	SSW	1.3	SW
23:00-00:00	0.9	SSE	1.3	SW	0.4	SSE	2.2	SW	0.9	S	1.3	SSW	1.3	S
00:00-01:00	1.3	SW	2.2	SW	0.9	SW	2.2	SW	1.3	SW	0.4	SW	1.8	S
01:00-02:00	1.3	SW	1.8	SW	1.8	SW	1.8	SW	1.3	SW	0.4	SW	1.3	SW
02:00-03:00	0.0	-	2.7	SW	2.2	SW	2.2	SW	1.3	SW	0.9	SW	1.8	SSE
03:00-04:00	0.9	SW	2.2	SW	2.7	SW	2.2	SSW	1.8	SW	0.9	SSW	0.9	SSE
04:00-05:00	2.7	SW	2.2	SW	2.2	SW	2.7	SW	1.3	SW	0.9	SSE	1.3	SSE
05:00-06:00	1.3	SW	1.8	SW	1.8	SW	1.8	SW	1.8	SW	0.9	SSE	1.3	SSW
06:00-07:00	0.9	SSW	1.8	SW	2.2	SW	2.2	SW	1.8	S	1.3	SSE	1.8	SSW
07:00-08:00	2.2	SSW	1.8	SW	2.7	SW	2.2	SW	1.3	SW	0.4	SW	0.9	SW
08:00-09:00	2.2	SSW	1.8	SW	2.7	SW	3.1	SW	0.9	S	1.3	SW	1.3	SSW
09:00-10:00	1.3	SSW	1.8	SSW	2.7	SW	2.2	SW	0.9	S	0.4	SSW	2.7	SSW

Wind Speed & Wind Direction

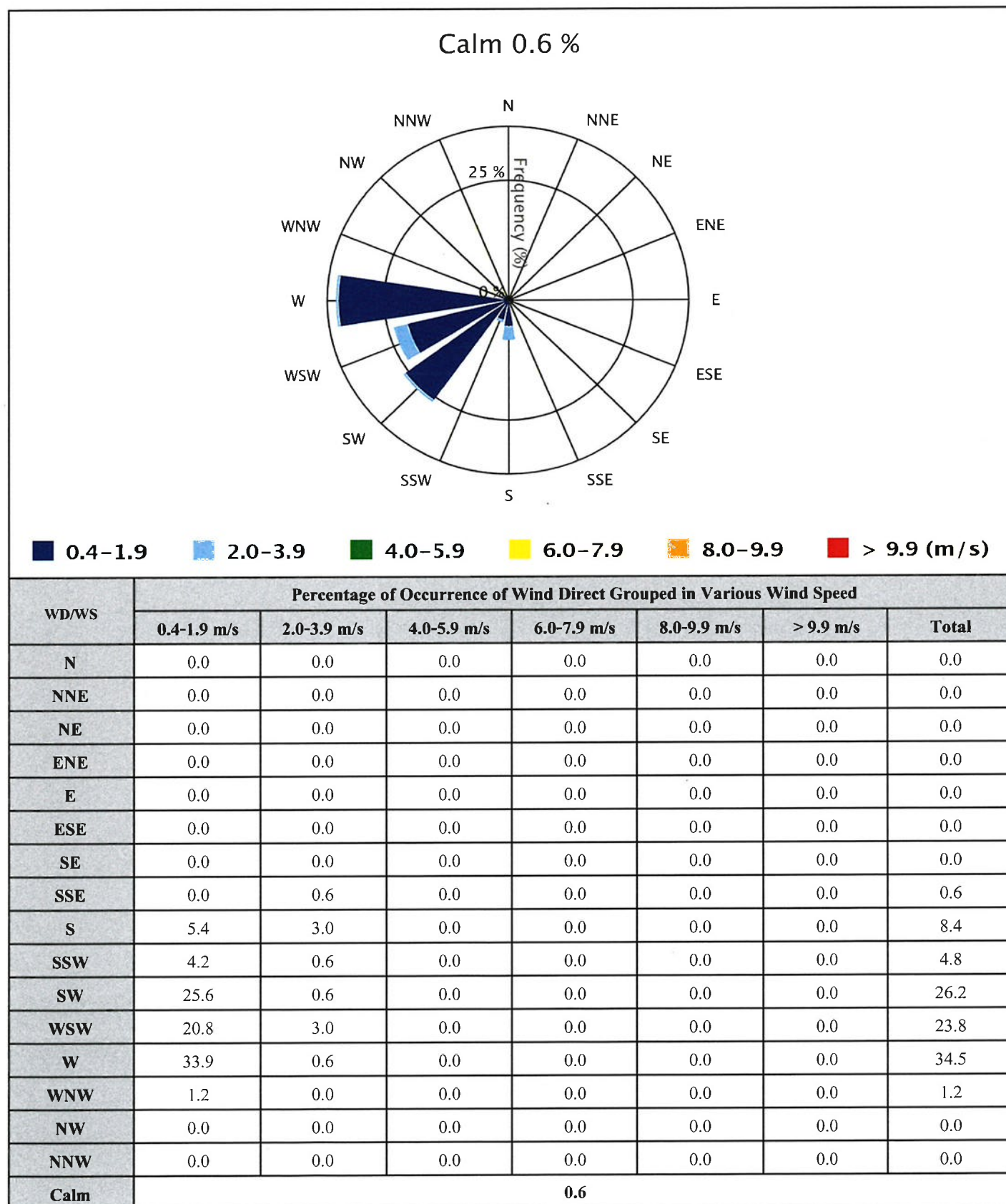
Request No. LA67-R0475

PTT Global Chemical Public Company Limited Branch 17 (GC 17 Polystyrene Plant)

Sample No. 08952

Sampling Source : บริเวณโรงเรียนบ้านหนองแฟบ

Sampling Date : April 3-10, 2024



Wind Speed & Wind Direction

Request No. LA67-R0475

PTT Global Chemical Public Company Limited Branch 17 (GC 17 Polystyrene Plant)

Sample No. 08952

Sampling Source : บริเวณโรงเรียนบ้านหนองเพิบ

Sampling Date : April 3-10, 2024

Time	April 3-4, 2024		April 4-5, 2024		April 5-6, 2024		April 6-7, 2024		April 7-8, 2024		April 8-9, 2024		April 9-10, 2024	
	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction
11:00-12:00	0.9	S	1.8	S	1.8	SSW	1.8	WSW	1.8	W	1.8	WSW	1.8	SW
12:00-13:00	2.2	S	1.8	SW	1.8	SSW	2.2	SSW	1.3	W	1.8	W	1.8	SW
13:00-14:00	2.2	S	1.8	SW	2.2	WSW	1.8	WSW	1.3	WNW	1.8	W	1.8	W
14:00-15:00	2.2	S	1.8	SW	2.2	WSW	2.2	WSW	1.3	W	1.8	W	1.8	W
15:00-16:00	2.7	S	1.8	SW	1.8	WSW	2.2	WSW	1.3	W	1.8	W	1.8	W
16:00-17:00	2.2	S	2.2	SW	1.8	WSW	1.8	WSW	1.3	W	1.8	W	1.8	W
17:00-18:00	2.2	SSE	1.8	SW	1.3	SW	2.2	W	1.3	W	1.8	W	1.3	W
18:00-19:00	1.8	S	1.8	SW	1.3	SW	1.3	W	1.3	W	1.3	W	0.9	W
19:00-20:00	1.8	S	1.8	S	1.3	SW	1.3	W	0.9	WNW	1.3	W	0.4	W
20:00-21:00	1.3	SSW	1.3	SSW	1.3	SW	1.3	W	0.9	W	0.9	W	0.0	-
21:00-22:00	0.9	SW	1.3	S	0.9	SW	1.3	WSW	0.9	W	1.3	W	0.9	W
22:00-23:00	0.9	SW	1.3	SW	1.3	SW	1.3	W	0.4	W	0.9	WSW	0.9	W
23:00-00:00	0.9	SW	1.3	SW	1.3	SW	1.8	WSW	0.4	WSW	1.3	W	1.8	SW
00:00-01:00	1.3	SW	1.3	SW	1.3	SW	1.3	WSW	0.9	W	0.4	W	1.3	W
01:00-02:00	1.3	SW	1.3	SW	1.3	WSW	1.8	SSW	1.3	W	0.4	W	0.4	WSW
02:00-03:00	1.8	SW	1.3	SW	1.3	WSW	1.3	WSW	1.3	W	0.9	W	1.3	W
03:00-04:00	1.3	SW	1.3	SW	1.3	WSW	1.3	WSW	1.3	W	0.9	WSW	1.3	W
04:00-05:00	1.3	SW	1.3	SW	1.3	WSW	1.3	WSW	1.3	W	0.9	W	1.3	W
05:00-06:00	1.3	SW	1.3	SW	1.3	WSW	1.3	WSW	1.8	WSW	1.3	W	0.9	W
06:00-07:00	1.3	SW	1.8	SW	1.3	WSW	1.3	WSW	1.3	W	0.9	W	0.9	W
07:00-08:00	1.3	SW	1.3	SW	1.3	WSW	1.3	WSW	0.9	W	0.4	W	0.4	W
08:00-09:00	1.3	SW	1.3	SSW	1.8	WSW	2.2	WSW	0.9	W	0.9	WSW	0.4	WSW
09:00-10:00	1.8	S	1.8	S	1.8	WSW	1.8	WSW	0.9	WSW	1.3	SSW	0.9	WSW
10:00-11:00	1.8	SW	1.8	S	1.8	SW	1.8	W	1.3	WSW	1.8	SW	1.3	SW

ผลการตรวจวัดระดับเสียงโดยทั่วไป

ช่วงระหว่างการก่อสร้าง

Request No. LA67-R0475

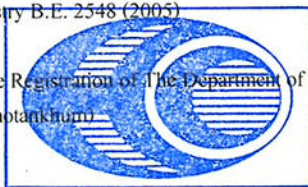
Report No. R6704-2992

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
 ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
 SAMPLE SOURCE : GC17 Polystyrene Plant
 SAMPLE POINT : บริเวณริมรั้วด้านทิศเหนือของ บริษัท ไทยโพลีเอธีลีน จำกัด (TPAC)
 PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn} SAMPLE NO. : 08944
 DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 03-04/04/2024
 INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 10/04/2024
 S/N G301638 : Class 2 REPORTED DATE : 24/04/2024

TIME \ DATE	03-04/04/2024 (L_{eq})	03-04/04/2024 (L_{max})	03-04/04/2024 (L_{90})	UNIT
10:00 - 11:00 ³	59.8	68.4	57.8	dB(A)
11:00 - 12:00	59.8	68.9	58.3	dB(A)
12:00 - 13:00	59.3	68.9	57.4	dB(A)
13:00 - 14:00	58.1	71.2	55.6	dB(A)
14:00 - 15:00	58.2	70.3	56.2	dB(A)
15:00 - 16:00	58.9	70.8	57.2	dB(A)
16:00 - 17:00	59.9	73.5	57.6	dB(A)
17:00 - 18:00	59.5	72.8	57.4	dB(A)
18:00 - 19:00	60.0	73.0	57.7	dB(A)
19:00 - 20:00	59.6	71.1	57.5	dB(A)
20:00 - 21:00	59.2	72.8	57.0	dB(A)
21:00 - 22:00	58.2	70.8	56.7	dB(A)
22:00 - 23:00	58.0	69.0	57.0	dB(A)
23:00 - 00:00	58.1	67.0	57.2	dB(A)
00:00 - 01:00	56.7	65.1	55.9	dB(A)
01:00 - 02:00	56.4	63.9	55.7	dB(A)
02:00 - 03:00	56.0	61.4	55.4	dB(A)
03:00 - 04:00	55.8	63.1	55.3	dB(A)
04:00 - 05:00	56.0	62.8	55.3	dB(A)
05:00 - 06:00	56.9	68.8	55.9	dB(A)
06:00 - 07:00	59.0	79.5	56.5	dB(A)
07:00 - 08:00	59.2	74.4	56.4	dB(A)
08:00 - 09:00	59.0	72.5	56.2	dB(A)
09:00 - 10:00	59.5	74.6	57.8	dB(A)
L_{eq} 24 hr.	58.6	-	-	dB(A)
L_{dn}	63.9	-	-	dB(A)
Maximum	-	79.5	-	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)
^{1/3} Start Time
 * Parameter Outside The Scope of The Registration of The Department of Industrial Works
 (Measurement By Mr. Tummarut Photankhom)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

24/04/2024

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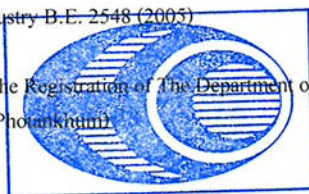
Request No. LA67-R0475

Report No. R6704-2993

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE POINT : บริเวณริมรั้วด้านทิศเหนือของ บริษัท ไทยโพลีเอซีที จำกัด (TPAC)
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn} SAMPLE NO. : 08945
DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 04-05/04/2024
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 10/04/2024
S/N G301638 : Class 2 REPORTED DATE : 24/04/2024

TIME \ DATE	04-05/04/2024 (L_{eq})	04-05/04/2024 (L_{max})	04-05/04/2024 (L_{90})	UNIT
10:00 - 11:00 ^{1/3}	59.2	68.5	57.6	dB(A)
11:00 - 12:00	58.2	68.3	56.0	dB(A)
12:00 - 13:00	57.6	70.5	55.3	dB(A)
13:00 - 14:00	58.2	70.3	56.3	dB(A)
14:00 - 15:00	58.8	69.0	56.9	dB(A)
15:00 - 16:00	59.0	72.9	56.8	dB(A)
16:00 - 17:00	59.1	72.1	57.0	dB(A)
17:00 - 18:00	59.7	72.5	57.4	dB(A)
18:00 - 19:00	59.1	72.2	57.1	dB(A)
19:00 - 20:00	57.9	72.0	55.8	dB(A)
20:00 - 21:00	57.6	67.0	56.4	dB(A)
21:00 - 22:00	57.8	68.7	56.8	dB(A)
22:00 - 23:00	57.5	64.1	56.7	dB(A)
23:00 - 00:00	57.3	69.0	56.5	dB(A)
00:00 - 01:00	56.3	67.1	55.4	dB(A)
01:00 - 02:00	56.3	64.0	55.7	dB(A)
02:00 - 03:00	56.2	63.0	55.5	dB(A)
03:00 - 04:00	55.3	63.4	54.8	dB(A)
04:00 - 05:00	56.0	71.1	55.1	dB(A)
05:00 - 06:00	57.6	65.4	56.3	dB(A)
06:00 - 07:00	58.9	78.0	56.2	dB(A)
07:00 - 08:00	59.8	74.5	57.0	dB(A)
08:00 - 09:00	59.6	69.7	57.2	dB(A)
09:00 - 10:00	59.4	68.2	57.4	dB(A)
L_{eq} 24 hr.	58.2	-	-	dB(A)
L_{dn}	63.7	-	-	dB(A)
Maximum	-	78.0	-	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)^{1/3} Start Time* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummarut Photankhumit)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

24/04/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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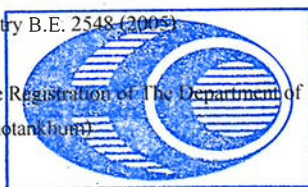
Request No. LA67-R0475

Report No. R6704-2994

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-I Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE POINT : บริเวณริมรั้วด้านทิศเหนือของ บริษัท ไทยโพลีเอซีที จำกัด (TPAC)
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn} SAMPLE NO. : 08946
DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 05-06/04/2024
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 10/04/2024
S/N G301638 : Class 2 REPORTED DATE : 24/04/2024

TIME \ DATE	05-06/04/2024 (L_{eq})	05-06/04/2024 (L_{max})	05-06/04/2024 (L_{90})	UNIT
10:00 - 11:00 ³	59.3	71.1	57.1	dB(A)
11:00 - 12:00	58.2	67.6	56.0	dB(A)
12:00 - 13:00	58.0	67.6	56.3	dB(A)
13:00 - 14:00	57.5	71.3	55.5	dB(A)
14:00 - 15:00	58.5	70.8	56.5	dB(A)
15:00 - 16:00	57.8	66.5	55.8	dB(A)
16:00 - 17:00	58.7	67.5	56.7	dB(A)
17:00 - 18:00	59.1	70.5	56.9	dB(A)
18:00 - 19:00	59.3	70.0	57.2	dB(A)
19:00 - 20:00	57.3	66.2	55.3	dB(A)
20:00 - 21:00	58.2	72.1	56.7	dB(A)
21:00 - 22:00	57.8	68.3	56.7	dB(A)
22:00 - 23:00	57.8	75.2	56.7	dB(A)
23:00 - 00:00	57.1	66.2	56.3	dB(A)
00:00 - 01:00	56.9	63.0	56.2	dB(A)
01:00 - 02:00	55.8	62.0	55.2	dB(A)
02:00 - 03:00	56.0	63.0	55.3	dB(A)
03:00 - 04:00	55.8	68.6	55.2	dB(A)
04:00 - 05:00	55.9	65.2	55.2	dB(A)
05:00 - 06:00	57.2	66.2	56.0	dB(A)
06:00 - 07:00	58.1	74.7	56.0	dB(A)
07:00 - 08:00	58.8	71.9	55.9	dB(A)
08:00 - 09:00	57.9	73.6	55.6	dB(A)
09:00 - 10:00	58.6	68.8	57.3	dB(A)
L_{eq} 24 hr.	57.9	-	-	dB(A)
L_{dn}	63.5	-	-	dB(A)
Maximum	-	75.2	-	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)³ Start Time* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummarut Photankhun)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

24/04/2024

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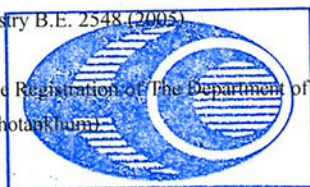
Request No. LA67-R0475

Report No. R6704-2995

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE POINT : บริเวณริมรั้วด้านทิศเหนือของ บริษัท ไทยโพลีเอซีที จำกัด (TPAC)
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn} SAMPLE NO. : 08947
DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 06-07/04/2024
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 10/04/2024
S/N G301638 : Class 2 REPORTED DATE : 24/04/2024

TIME \ DATE	06-07/04/2024 (L_{eq})	06-07/04/2024 (L_{max})	06-07/04/2024 (L_{90})	UNIT
10:00 - 11:00 ^{1/3}	58.6	70.9	57.2	dB(A)
11:00 - 12:00	58.0	70.3	56.4	dB(A)
12:00 - 13:00	56.6	68.2	55.1	dB(A)
13:00 - 14:00	59.6	69.7	57.4	dB(A)
14:00 - 15:00	59.1	69.9	57.3	dB(A)
15:00 - 16:00	58.3	68.2	56.8	dB(A)
16:00 - 17:00	58.9	78.4	57.0	dB(A)
17:00 - 18:00	58.0	68.0	56.5	dB(A)
18:00 - 19:00	58.1	72.6	56.2	dB(A)
19:00 - 20:00	56.8	72.3	55.2	dB(A)
20:00 - 21:00	56.2	64.7	55.0	dB(A)
21:00 - 22:00	56.4	68.9	55.6	dB(A)
22:00 - 23:00	56.3	67.9	55.4	dB(A)
23:00 - 00:00	55.5	61.2	54.9	dB(A)
00:00 - 01:00	56.1	64.5	55.3	dB(A)
01:00 - 02:00	56.4	61.1	55.7	dB(A)
02:00 - 03:00	56.2	66.3	55.6	dB(A)
03:00 - 04:00	55.5	59.7	55.0	dB(A)
04:00 - 05:00	55.6	62.4	54.9	dB(A)
05:00 - 06:00	56.7	65.2	55.6	dB(A)
06:00 - 07:00	58.2	75.4	56.0	dB(A)
07:00 - 08:00	58.7	75.1	55.6	dB(A)
08:00 - 09:00	58.0	76.0	55.9	dB(A)
09:00 - 10:00	58.6	73.4	57.1	dB(A)
L_{eq} 24 hr.	57.5	-	-	dB(A)
L_{dn}	63.1	-	-	dB(A)
Maximum	-	78.4	-	dB(A)
Standard	$70^{1/1}, 70^{1/2}$	$115^{1/1}, 115^{1/2}$	-	dB(A)

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

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

24/04/2024

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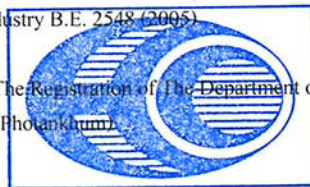
Request No. LA67-R0475

Report No. R6704-2996

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE POINT : บริเวณริมรั้วด้านทิศเหนือของ บริษัท ไทยโพลีเอซีที จำกัด (TPAC)
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn} SAMPLE NO. : 08948
DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 07-08/04/2024
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 10/04/2024
S/N G301638 : Class 2 REPORTED DATE : 24/04/2024

TIME \ DATE	07-08/04/2024 (L_{eq})	07-08/04/2024 (L_{max})	07-08/04/2024 (L_{90})	UNIT
10:00 - 11:00 ^{1/3}	58.1	68.6	56.7	dB(A)
11:00 - 12:00	57.4	66.6	56.1	dB(A)
12:00 - 13:00	56.5	72.0	54.8	dB(A)
13:00 - 14:00	57.3	68.9	55.9	dB(A)
14:00 - 15:00	58.4	67.2	56.9	dB(A)
15:00 - 16:00	58.9	74.0	56.4	dB(A)
16:00 - 17:00	59.4	75.6	56.9	dB(A)
17:00 - 18:00	58.2	68.9	56.3	dB(A)
18:00 - 19:00	58.7	70.2	56.5	dB(A)
19:00 - 20:00	56.8	69.2	55.2	dB(A)
20:00 - 21:00	57.4	66.0	56.2	dB(A)
21:00 - 22:00	57.4	65.7	56.7	dB(A)
22:00 - 23:00	57.4	65.4	56.8	dB(A)
23:00 - 00:00	57.0	64.1	56.3	dB(A)
00:00 - 01:00	57.0	65.0	56.3	dB(A)
01:00 - 02:00	56.6	62.8	55.9	dB(A)
02:00 - 03:00	56.6	64.4	56.0	dB(A)
03:00 - 04:00	56.5	64.0	55.9	dB(A)
04:00 - 05:00	56.2	71.6	55.4	dB(A)
05:00 - 06:00	56.8	64.7	55.9	dB(A)
06:00 - 07:00	58.8	78.5	56.6	dB(A)
07:00 - 08:00	59.6	75.0	56.9	dB(A)
08:00 - 09:00	60.8	74.4	58.2	dB(A)
09:00 - 10:00	59.8	69.9	57.5	dB(A)
L_{eq} 24 hr.	58.0	-	-	dB(A)
L_{dn}	63.7	-	-	dB(A)
Maximum	-	78.5	-	dB(A)
Standard	$70^{1/1}, 70^{1/2}$	$115^{1/1}, 115^{1/2}$	-	dB(A)

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

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

24/04/2024

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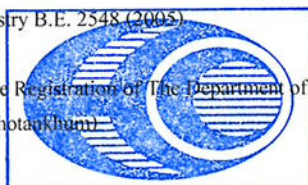
Request No. LA67-R0475

Report No. R6704-2997

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE POINT : บริเวณริมรั้วด้านทิศเหนือของ บริษัท ไทยโพลีเอธีล จำกัด (TPAC)
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn} SAMPLE NO. : 08949
DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 08-09/04/2024
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 10/04/2024
S/N G301638 : Class 2 REPORTED DATE : 24/04/2024

TIME \ DATE	08-09/04/2024 (L_{eq})	08-09/04/2024 (L_{max})	08-09/04/2024 (L_{90})	UNIT
10:00 - 11:00 ^{1/3}	59.9	71.5	57.5	dB(A)
11:00 - 12:00	59.1	69.6	57.3	dB(A)
12:00 - 13:00	59.4	68.3	57.4	dB(A)
13:00 - 14:00	57.5	66.4	55.8	dB(A)
14:00 - 15:00	58.9	71.8	57.0	dB(A)
15:00 - 16:00	58.3	71.3	56.1	dB(A)
16:00 - 17:00	58.5	68.0	56.7	dB(A)
17:00 - 18:00	59.7	68.0	57.6	dB(A)
18:00 - 19:00	59.4	70.8	57.3	dB(A)
19:00 - 20:00	59.3	70.4	57.1	dB(A)
20:00 - 21:00	58.1	69.3	56.4	dB(A)
21:00 - 22:00	58.6	72.8	57.4	dB(A)
22:00 - 23:00	58.1	75.7	56.9	dB(A)
23:00 - 00:00	58.0	70.0	57.1	dB(A)
00:00 - 01:00	55.9	64.8	55.1	dB(A)
01:00 - 02:00	55.6	67.8	55.0	dB(A)
02:00 - 03:00	56.1	64.5	55.6	dB(A)
03:00 - 04:00	56.3	74.9	54.9	dB(A)
04:00 - 05:00	55.8	68.4	55.0	dB(A)
05:00 - 06:00	57.0	67.2	55.6	dB(A)
06:00 - 07:00	58.9	74.8	55.9	dB(A)
07:00 - 08:00	59.7	78.1	56.3	dB(A)
08:00 - 09:00	58.2	67.3	55.4	dB(A)
09:00 - 10:00	58.2	68.1	56.4	dB(A)
L_{eq} 24 hr.	58.3	-	-	dB(A)
L_{dn}	63.7	-	-	dB(A)
Maximum	-	78.1	-	dB(A)
Standard	$70^{1/1}, 70^{1/2}$	$115^{1/1}, 115^{1/2}$	-	dB(A)

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

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

24/04/2024

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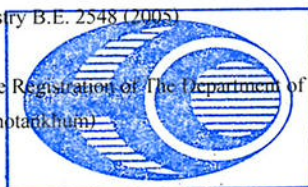
Request No. LA67-R0475

Report No. R6704-2998

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
 ADDRESS : 7 I-I Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
 SAMPLE SOURCE : GC17 Polystyrene Plant
 SAMPLE POINT : บริเวณริมรั้วด้านทิศเหนือของ บริษัท ไทยโพลีเอซีที จำกัด (TPAC)
 PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn} SAMPLE NO. : 08950
 DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 09-10/04/2024
 INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 10/04/2024
 S/N G301638 : Class 2 REPORTED DATE : 24/04/2024

TIME \ DATE	09-10/04/2024 (L_{eq})	09-10/04/2024 (L_{max})	09-10/04/2024 (L_{90})	UNIT
10:00 - 11:00 ^{1/3}	58.4	70.7	57.0	dB(A)
11:00 - 12:00	58.4	67.8	56.5	dB(A)
12:00 - 13:00	57.6	67.6	55.4	dB(A)
13:00 - 14:00	58.0	68.0	55.9	dB(A)
14:00 - 15:00	58.7	67.8	57.1	dB(A)
15:00 - 16:00	58.4	69.8	56.5	dB(A)
16:00 - 17:00	58.3	72.5	56.5	dB(A)
17:00 - 18:00	59.7	74.1	57.2	dB(A)
18:00 - 19:00	59.1	68.3	57.1	dB(A)
19:00 - 20:00	56.9	66.2	54.7	dB(A)
20:00 - 21:00	57.5	68.7	56.2	dB(A)
21:00 - 22:00	57.2	70.0	56.0	dB(A)
22:00 - 23:00	58.4	82.9	55.7	dB(A)
23:00 - 00:00	56.1	65.2	55.1	dB(A)
00:00 - 01:00	55.7	65.0	54.8	dB(A)
01:00 - 02:00	55.9	64.6	55.1	dB(A)
02:00 - 03:00	55.6	62.1	55.0	dB(A)
03:00 - 04:00	55.2	63.9	54.7	dB(A)
04:00 - 05:00	55.8	63.1	54.8	dB(A)
05:00 - 06:00	56.2	65.5	55.2	dB(A)
06:00 - 07:00	59.1	73.1	55.8	dB(A)
07:00 - 08:00	59.1	74.7	55.8	dB(A)
08:00 - 09:00	59.6	77.0	55.3	dB(A)
09:00 - 10:00	58.7	72.3	56.6	dB(A)
L_{eq} 24 hr.	57.9	-	-	dB(A)
L_{dn}	63.4	-	-	dB(A)
Maximum	-	82.9	-	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)^{1/3} Start Time* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummarut Photakham)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MRS. WANPEN LHAOCHINDAWAT)

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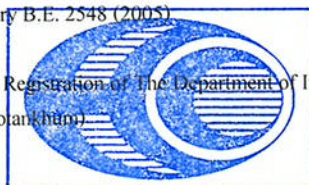
Request No. LA67-R0475

Report No. R6704-2985

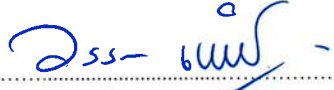
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE POINT : โรงเรียนบ้านหนองแฟบ
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn} SAMPLE NO. : 08937
DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 03-04/04/2024
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 10/04/2024
S/N 00443358 : Class 2 REPORTED DATE : 24/04/2024

TIME \ DATE	03-04/04/2024 (L_{eq})	03-04/04/2024 (L_{max})	03-04/04/2024 (L_{90})	UNIT
11:00 - 12:00 ^{1/3}	55.2	80.5	53.2	dB(A)
12:00 - 13:00	54.4	72.0	52.2	dB(A)
13:00 - 14:00	54.1	71.3	52.2	dB(A)
14:00 - 15:00	54.5	78.2	52.1	dB(A)
15:00 - 16:00	54.7	78.6	52.3	dB(A)
16:00 - 17:00	54.7	67.7	52.9	dB(A)
17:00 - 18:00	57.0	81.8	52.9	dB(A)
18:00 - 19:00	54.9	68.3	53.3	dB(A)
19:00 - 20:00	53.1	64.9	51.7	dB(A)
20:00 - 21:00	52.5	65.2	51.3	dB(A)
21:00 - 22:00	51.7	62.6	50.8	dB(A)
22:00 - 23:00	52.4	63.3	51.4	dB(A)
23:00 - 00:00	51.3	61.9	50.5	dB(A)
00:00 - 01:00	51.7	66.7	50.7	dB(A)
01:00 - 02:00	52.4	71.9	50.8	dB(A)
02:00 - 03:00	50.9	65.2	50.2	dB(A)
03:00 - 04:00	50.9	56.6	50.2	dB(A)
04:00 - 05:00	54.5	78.2	50.4	dB(A)
05:00 - 06:00	52.6	67.1	51.3	dB(A)
06:00 - 07:00	55.2	74.9	52.7	dB(A)
07:00 - 08:00	55.6	72.8	53.0	dB(A)
08:00 - 09:00	54.7	73.7	52.5	dB(A)
09:00 - 10:00	54.8	75.3	52.3	dB(A)
10:00 - 11:00	55.9	73.3	53.7	dB(A)
L_{eq} 24 hr.	54.0	-	-	dB(A)
L_{dn}	59.4	-	-	dB(A)
Maximum	-	81.8	-	dB(A)
Standard	$70^{1/1}, 70^{1/2}$	$115^{1/1}, 115^{1/2}$	-	dB(A)

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

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By: 
(MRS. WANPEN LHAOCHINDAWAT)

24/04/2024

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WITHOUT THE WRITTEN APPROVAL LABORATORY

Request No. LA67-R0475

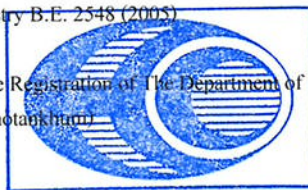
Report No. R6704-2986

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE POINT : โรงเรือนบ้านหนองแปบ
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn} SAMPLE NO. : 08938
DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 04-05/04/2024
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 10/04/2024
S/N 00443358 : Class 2 REPORTED DATE : 24/04/2024

TIME \ DATE	04-05/04/2024 (L_{eq})	04-05/04/2024 (L_{max})	04-05/04/2024 (L_{90})	UNIT
11:00 - 12:00 ^{1/3}	54.4	73.2	52.7	dB(A)
12:00 - 13:00	54.7	85.9	52.1	dB(A)
13:00 - 14:00	59.8	72.5	54.8	dB(A)
14:00 - 15:00	53.0	75.4	51.2	dB(A)
15:00 - 16:00	53.8	69.0	51.9	dB(A)
16:00 - 17:00	55.7	75.7	52.5	dB(A)
17:00 - 18:00	55.3	74.6	52.7	dB(A)
18:00 - 19:00	55.4	78.0	52.7	dB(A)
19:00 - 20:00	53.4	71.9	51.4	dB(A)
20:00 - 21:00	52.5	65.6	51.1	dB(A)
21:00 - 22:00	51.8	68.2	50.9	dB(A)
22:00 - 23:00	51.5	62.9	50.7	dB(A)
23:00 - 00:00	51.2	67.4	50.2	dB(A)
00:00 - 01:00	50.6	57.7	50.0	dB(A)
01:00 - 02:00	51.1	57.3	50.5	dB(A)
02:00 - 03:00	50.7	57.1	50.1	dB(A)
03:00 - 04:00	51.4	68.9	50.4	dB(A)
04:00 - 05:00	53.7	78.7	50.2	dB(A)
05:00 - 06:00	52.3	69.6	50.9	dB(A)
06:00 - 07:00	55.3	77.4	52.9	dB(A)
07:00 - 08:00	55.5	70.0	53.0	dB(A)
08:00 - 09:00	54.7	72.8	52.5	dB(A)
09:00 - 10:00	54.6	77.6	52.1	dB(A)
10:00 - 11:00	54.9	81.4	51.3	dB(A)
L_{eq} 24 hr.	54.2	-	-	dB(A)
L_{dn}	59.2	-	-	dB(A)
Maximum	-	85.9	-	dB(A)
Standard	$70^{1/1}, 70^{1/2}$	$115^{1/1}, 115^{1/2}$	-	dB(A)

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

24/04/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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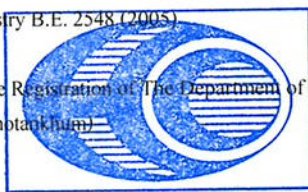
Request No. LA67-R0475

Report No. R6704-2987

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE POINT : โรงเรียนบ้านหนองแฟบ
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn} SAMPLE NO. : 08939
DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 05-06/04/2024
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 10/04/2024
S/N 00443358 : Class 2 REPORTED DATE : 24/04/2024

TIME \ DATE	05-06/04/2024 (L_{eq})	05-06/04/2024 (L_{max})	05-06/04/2024 (L_{90})	UNIT
11:00 - 12:00 ^{1/3}	56.6	83.0	49.9	dB(A)
12:00 - 13:00	53.4	71.3	50.3	dB(A)
13:00 - 14:00	51.7	68.8	48.9	dB(A)
14:00 - 15:00	52.0	70.4	48.5	dB(A)
15:00 - 16:00	52.9	76.4	49.3	dB(A)
16:00 - 17:00	54.5	75.3	50.8	dB(A)
17:00 - 18:00	54.0	75.3	51.1	dB(A)
18:00 - 19:00	53.6	71.9	50.9	dB(A)
19:00 - 20:00	51.6	66.2	49.4	dB(A)
20:00 - 21:00	51.0	65.4	48.8	dB(A)
21:00 - 22:00	50.9	64.7	49.1	dB(A)
22:00 - 23:00	50.4	67.8	49.1	dB(A)
23:00 - 00:00	50.6	61.6	49.2	dB(A)
00:00 - 01:00	49.0	55.7	48.0	dB(A)
01:00 - 02:00	48.3	59.7	47.4	dB(A)
02:00 - 03:00	49.5	65.0	47.8	dB(A)
03:00 - 04:00	48.6	61.1	47.7	dB(A)
04:00 - 05:00	52.8	80.9	47.6	dB(A)
05:00 - 06:00	50.5	65.8	48.7	dB(A)
06:00 - 07:00	53.9	75.4	50.4	dB(A)
07:00 - 08:00	54.0	69.2	50.5	dB(A)
08:00 - 09:00	52.2	74.8	49.6	dB(A)
09:00 - 10:00	54.5	79.1	49.6	dB(A)
10:00 - 11:00	55.8	72.8	50.8	dB(A)
L_{eq} 24 hr.	52.7	-	-	dB(A)
L_{dn}	57.7	-	-	dB(A)
Maximum	-	83.0	-	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)^{1/3} Start Time* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummarut Photakhuam)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MRS. WANPEN LHAOCHINDAWAT)

24/04/2024

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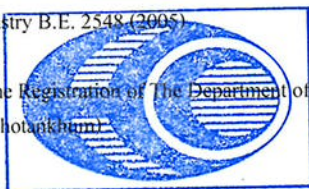
Request No. LA67-R0475

Report No. R6704-2988

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
 ADDRESS : 7 I-I Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
 SAMPLE SOURCE : GC17 Polystyrene Plant
 SAMPLE POINT : โรงเรือนบำบัดน้ำเสีย
 PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn} SAMPLE NO. : 08940
 DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 06-07/04/2024
 INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 10/04/2024
 S/N 00443358 : Class 2 REPORTED DATE : 24/04/2024

TIME \ DATE	06-07/04/2024 (L_{eq})	06-07/04/2024 (L_{max})	06-07/04/2024 (L_{90})	UNIT
11:00 - 12:00 ³	52.7	68.0	49.8	dB(A)
12:00 - 13:00	53.9	78.0	49.1	dB(A)
13:00 - 14:00	53.4	73.0	49.2	dB(A)
14:00 - 15:00	56.5	77.3	49.7	dB(A)
15:00 - 16:00	53.9	75.3	48.9	dB(A)
16:00 - 17:00	54.2	75.7	48.1	dB(A)
17:00 - 18:00	51.9	68.0	48.2	dB(A)
18:00 - 19:00	52.4	70.0	49.0	dB(A)
19:00 - 20:00	50.1	65.1	46.8	dB(A)
20:00 - 21:00	48.9	65.4	46.2	dB(A)
21:00 - 22:00	48.3	68.4	45.2	dB(A)
22:00 - 23:00	48.3	61.3	45.6	dB(A)
23:00 - 00:00	48.1	60.1	46.1	dB(A)
00:00 - 01:00	48.3	57.3	46.5	dB(A)
01:00 - 02:00	47.8	58.0	46.2	dB(A)
02:00 - 03:00	46.8	57.4	45.5	dB(A)
03:00 - 04:00	46.8	53.7	45.3	dB(A)
04:00 - 05:00	52.0	76.8	45.0	dB(A)
05:00 - 06:00	50.9	69.2	47.1	dB(A)
06:00 - 07:00	53.5	79.0	48.8	dB(A)
07:00 - 08:00	51.9	66.2	48.8	dB(A)
08:00 - 09:00	51.5	72.6	47.3	dB(A)
09:00 - 10:00	52.6	73.7	48.3	dB(A)
10:00 - 11:00	53.5	76.9	49.3	dB(A)
L_{eq} 24 hr.	51.9	-	-	dB(A)
L_{dn}	56.8	-	-	dB(A)
Maximum	-	79.0	-	dB(A)
Standard	70 ¹ , 70 ²	115 ¹ , 115 ²	-	dB(A)

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

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

24/04/2024

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Request No. LA67-R0475

Report No. R6704-2989

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
 ADDRESS : 7 I-I Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
 SAMPLE SOURCE : GC17 Polystyrene Plant
 SAMPLE POINT : โรงเรียนบ้านหนองแฟบ
 PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn} SAMPLE NO. : 08941
 DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 07-08/04/2024
 INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 10/04/2024
 S/N 00443358 : Class 2 REPORTED DATE : 24/04/2024

TIME \ DATE	07-08/04/2024 (L_{eq})	07-08/04/2024 (L_{max})	07-08/04/2024 (L_{90})	UNIT
11:00 - 12:00 ^{1/3}	51.8	72.4	48.6	dB(A)
12:00 - 13:00	51.1	73.0	48.3	dB(A)
13:00 - 14:00	52.4	73.9	48.4	dB(A)
14:00 - 15:00	52.1	72.1	48.0	dB(A)
15:00 - 16:00	51.2	71.6	48.2	dB(A)
16:00 - 17:00	53.4	74.4	48.3	dB(A)
17:00 - 18:00	53.3	72.9	49.9	dB(A)
18:00 - 19:00	53.7	73.2	49.7	dB(A)
19:00 - 20:00	50.5	68.6	48.1	dB(A)
20:00 - 21:00	49.9	64.5	48.3	dB(A)
21:00 - 22:00	49.5	71.4	47.8	dB(A)
22:00 - 23:00	48.5	60.6	47.4	dB(A)
23:00 - 00:00	48.9	63.8	47.4	dB(A)
00:00 - 01:00	48.3	56.9	47.2	dB(A)
01:00 - 02:00	48.1	53.4	47.1	dB(A)
02:00 - 03:00	49.7	67.5	47.9	dB(A)
03:00 - 04:00	48.3	63.6	47.2	dB(A)
04:00 - 05:00	51.3	75.4	47.5	dB(A)
05:00 - 06:00	48.9	64.1	46.6	dB(A)
06:00 - 07:00	52.2	79.4	48.7	dB(A)
07:00 - 08:00	54.4	79.0	49.7	dB(A)
08:00 - 09:00	51.4	69.7	48.9	dB(A)
09:00 - 10:00	51.7	71.0	48.5	dB(A)
10:00 - 11:00	54.0	74.3	49.7	dB(A)
L_{eq} 24 hr.	51.4	-	-	dB(A)
L_{dn}	56.5	-	-	dB(A)
Maximum	-	79.4	-	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)
^{1/3} Start Time
 * Parameter Outside The Scope of The Registration of The Department of Industrial Works
 (Measurement By Mr. Tummarut Phonkhum)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By. 

(MRS. WANPEN LHAOCHINDAWAT)

24/04/2024

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Request No. LA67-R0475

Report No. R6704-2990

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
 ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
 SAMPLE SOURCE : GC17 Polystyrene Plant
 SAMPLE POINT : โรงเรือนบ้านหนองแฟบ
 PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn} SAMPLE NO. : 08942
 DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 08-09/04/2024
 INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 10/04/2024
 S/N 00443358 : Class 2 REPORTED DATE : 24/04/2024

TIME \ DATE	08-09/04/2024 (L_{eq})	08-09/04/2024 (L_{max})	08-09/04/2024 (L_{90})	UNIT
11:00 - 12:00 ^{1/3}	53.7	68.4	51.8	dB(A)
12:00 - 13:00	52.9	69.0	50.4	dB(A)
13:00 - 14:00	52.9	67.2	50.1	dB(A)
14:00 - 15:00	53.7	80.7	49.4	dB(A)
15:00 - 16:00	51.9	76.5	48.8	dB(A)
16:00 - 17:00	55.5	80.2	50.0	dB(A)
17:00 - 18:00	54.1	74.5	50.0	dB(A)
18:00 - 19:00	53.2	70.7	50.6	dB(A)
19:00 - 20:00	50.1	63.4	48.1	dB(A)
20:00 - 21:00	49.2	68.6	47.6	dB(A)
21:00 - 22:00	49.8	67.7	47.7	dB(A)
22:00 - 23:00	48.9	68.9	47.5	dB(A)
23:00 - 00:00	48.3	57.8	47.2	dB(A)
00:00 - 01:00	47.8	60.0	46.8	dB(A)
01:00 - 02:00	47.8	67.9	46.9	dB(A)
02:00 - 03:00	48.3	60.2	47.0	dB(A)
03:00 - 04:00	48.1	61.3	47.0	dB(A)
04:00 - 05:00	53.3	79.2	46.9	dB(A)
05:00 - 06:00	53.1	72.1	48.6	dB(A)
06:00 - 07:00	53.3	74.4	50.0	dB(A)
07:00 - 08:00	54.1	73.4	50.7	dB(A)
08:00 - 09:00	52.7	65.1	50.6	dB(A)
09:00 - 10:00	53.0	73.4	50.3	dB(A)
10:00 - 11:00	53.4	66.5	50.6	dB(A)
L_{eq} 24 hr.	52.2	-	-	dB(A)
L_{dn}	57.4	-	-	dB(A)
Maximum	-	80.7	-	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)^{1/3} Start Time* 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)

24/04/2024

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Request No. LA67-R0475

Report No. R6704-2991

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-I Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE POINT : โรงเรียนบ้านหนองแฟบ
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 00443358 : Class 2

SAMPLE NO. : 08943
MEASURING DATE : 09-10/04/2024
RECEIVED DATE : 10/04/2024
REPORTED DATE : 24/04/2024

TIME \ DATE	09-10/04/2024 (L_{eq})	09-10/04/2024 (L_{max})	09-10/04/2024 (L_{90})	UNIT
11:00 - 12:00 ³	52.6	68.1	50.3	dB(A)
12:00 - 13:00	52.6	68.5	50.3	dB(A)
13:00 - 14:00	52.6	66.5	49.8	dB(A)
14:00 - 15:00	52.0	64.0	49.3	dB(A)
15:00 - 16:00	54.4	81.2	50.5	dB(A)
16:00 - 17:00	55.0	78.7	50.4	dB(A)
17:00 - 18:00	53.7	83.7	49.7	dB(A)
18:00 - 19:00	53.8	74.6	49.9	dB(A)
19:00 - 20:00	51.2	70.0	47.9	dB(A)
20:00 - 21:00	51.0	77.4	48.0	dB(A)
21:00 - 22:00	49.0	66.0	47.7	dB(A)
22:00 - 23:00	52.1	80.2	49.5	dB(A)
23:00 - 00:00	51.3	81.0	48.3	dB(A)
00:00 - 01:00	48.1	57.8	47.3	dB(A)
01:00 - 02:00	47.9	61.7	47.0	dB(A)
02:00 - 03:00	47.9	60.2	47.1	dB(A)
03:00 - 04:00	47.7	57.2	46.8	dB(A)
04:00 - 05:00	54.5	81.7	46.8	dB(A)
05:00 - 06:00	51.7	69.3	49.5	dB(A)
06:00 - 07:00	53.4	71.7	50.2	dB(A)
07:00 - 08:00	54.5	76.0	50.5	dB(A)
08:00 - 09:00	53.3	69.9	50.2	dB(A)
09:00 - 10:00	56.1	78.4	53.6	dB(A)
10:00 - 11:00	57.7	82.5	56.1	dB(A)
L_{eq} 24 hr.	53.0	-	-	dB(A)
L_{dn}	58.1	-	-	dB(A)
Maximum	-	83.7	-	dB(A)
Standard	70 ¹ , 70 ²	115 ¹ , 115 ²	-	dB(A)

REMARK :

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



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

24/04/2024

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ผลการทดสอบคุณภาพอากาศในปล่องระบาย

Request No. LA67-0424

Report No. 6704-0159

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-1 Rd. Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150
SAMPLE SOURCE : GC 17 Polystyrene Plant
SAMPLE POINT : Hot Oil Heater Stack 1 (S-140A) SAMPLE NO. : 01062
SAMPLING DATE : 08/04/2024 SAMPLING TIME : 09:40-10:40
RECEIVED DATE : 10/04/2024 REPORTED DATE : 22/04/2024
TESTED DATE : 10-19/04/2024

STACK DESCRIPTION[@]

Height :	20.00	m	Type of Process :	Combustion
Diameter :	0.45	m	Type of Fuel :	Recovered Volatile
Temperature :	267.00	°C	Oxygen Content :	3.40 %
Air Velocity :	2.50	m/s	Barometric Pressure :	754.75 mmHg
Flow rate ^{/2} :	0.20	m ³ /s	Atmospheric Temperature :	33.00 °C
Moisture Content :	8.41	%		

PARAMETER	TEST METHOD	TIME	RESULT ^{/2}		STD ^{/1}	UNIT
			3.40 % O ₂	7 % O ₂		
Total Suspended Particulate	Isokinetic, Gravimetric	09:40-10:40	2.9	2.3	320, 216.0 ^{/3}	mg/m ³
(TSP)	(U.S. EPA Method 5)		0.0006 [@]	-	0.065 ^{/3}	g/s

REMARK:

- ^{/1} Notification of The Ministry of Industry B.E. 2549 (2006)
- ^{/2} Standard Condition (Temperature 25°C, Pressure 760 mmHg) and Dry Basis
- ^{/3} ค่ากำหนดตามรายงานการประเมินผลกระทบสิ่งแวดล้อม (EIA)
- [@] These Data Outside The Scope of The Registration of The Department of Industrial Works.
- Sampling By Mr.Teerapong Naulin (ว-003-ค-0014)

Examined By



(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

22/04/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By



(Mr. Thongchai Boonsak)

(ว-003-ค-0012)

22/04/2024

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Request No. LA67-0424

Report No. 6704-0160

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
 ADDRESS : 7 I-1 Rd. Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150
 SAMPLE SOURCE : GC 17 Polystyrene Plant
 SAMPLE POINT : Hot Oil Heater Stack 1 (S-140A) SAMPLE NO. : 01063
 SAMPLING DATE : 08/04/2024 SAMPLING TIME : 09:40-10:10
 RECEIVED DATE : 10/04/2024 REPORTED DATE : 22/04/2024
 TESTED DATE : 10-19/04/2024

STACK DESCRIPTION[®]

Height :	20.00	m	Type of Process :	Combustion
Diameter :	0.45	m	Type of Fuel :	Recovered Volatile
Temperature :	267.00	°C	Oxygen Content :	3.40 %
Air Velocity :	2.50	m/s	Barometric Pressure :	754.75 mmHg
Flow rate ² :	0.20	m ³ /s	Atmospheric Temperature :	33.00 °C
Moisture Content :	8.41	%		

PARAMETER	TEST METHOD	TIME	RESULT ²		STD ¹	UNIT
			3.40 % O ₂	7 % O ₂		
Sulfur Dioxide (SO ₂)	Absorption, Barium-Thorin	09:40-10:10	<3.4	<2.7	157, 23.1 ³	mg/m ³
	Titrimetric (U.S. EPA Method 6)		<1.3	<1.0	60, 8.8 ³	ppm
			< 0.0007 [@]	-	0.007 ³	g/s

REMARK:

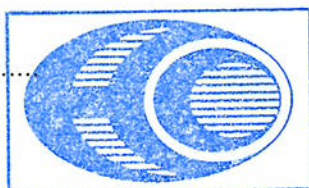
- ¹ Notification of The Ministry of Industry B.E. 2549 (2006)
- ² Standard Condition (Temperature 25°C, Pressure 760 mmHg) and Dry Basis
- ³ ค่ากำหนดตามรายงานการประเมินผลกระทบสิ่งแวดล้อม (EIA)
- [@] These Data Outside The Scope of The Registration of The Department of Industrial Works.
- Sampling By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

Examined By

(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

22/04/2024



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By

(Mr. Thongchai Boonsak)

(ว-003-ค-0012)

22/04/2024

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Request No. LA67-0424

Report No. 6704-0161

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-1 Rd. Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150
SAMPLE SOURCE : GC 17 Polystyrene Plant
SAMPLE POINT : Hot Oil Heater Stack 1 (S-140A) SAMPLE NO. : 01064
SAMPLING DATE : 08/04/2024 SAMPLING TIME : 11:00-11:05
RECEIVED DATE : 10/04/2024 REPORTED DATE : 22/04/2024
TESTED DATE : 10-19/04/2024

STACK DESCRIPTION[@]

Height :	20.00	m	Type of Process :	Combustion
Diameter :	0.45	m	Type of Fuel :	Recovered Volatile
Temperature :	267.00	°C	Oxygen Content :	3.40 %
Air Velocity :	2.50	m/s	Barometric Pressure :	754.75 mmHg
Flow rate ² :	0.20	m ³ /s	Atmospheric Temperature :	33.00 °C
Moisture Content :	8.41	%		

PARAMETER	TEST METHOD	TIME	RESULT ²		STD ¹	UNIT
			3.40 % O ₂	7 % O ₂		
Oxides of Nitrogen	Absorption, Phenoldisulfonic	11:00-11:05	77.7	61.7	376, 74.5 ³	mg/m ³
(NO _x as NO ₂)	Acid (U.S. EPA Method 7)		41.3	32.8	200, 39.6 ³	ppm
			0.0155 [@]	-	0.022 ³	g/s

REMARK:

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

Examined By.....

(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

22/04/2024



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Approved By.....

(Mr. Thongchai Boonsak)

(ว-003-ค-0012)

22/04/2024

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Request No. LA67-0415

Report No. 6704-0126

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
 ADDRESS : 7 I-1 Rd. Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150
 SAMPLE SOURCE : GC 17 Polystyrene Plant
 SAMPLE POINT : Hot Oil Heater Stack 2 (S-140B) SAMPLE NO. : 00999
 SAMPLING DATE : 04/04/2024 SAMPLING TIME : 09:40-10:30
 RECEIVED DATE : 08/04/2024 REPORTED DATE : 18/04/2024
 TESTED DATE : 08-11/04/2024
 STACK DESCRIPTION[®]

Height : 22.00 m	Type of Process : Combustion
Diameter : 0.60 m	Type of Fuel : Recovered Volatile
Temperature : 205.00 °C	Oxygen Content : 6.42 %
Air Velocity : 2.76 m/s	Barometric Pressure : 756.25 mmHg
Flow rate ² : 0.45 m ³ /s	Atmospheric Temperature : 33.00 °C
Moisture Content : 7.24 %	

PARAMETER	TEST METHOD	TIME	RESULT ²		STD ¹	UNIT
			6.42 % O ₂	7 % O ₂		
Total Suspended Particulate	Isokinetic, Gravimetric	09:40-10:30	30.9	29.7	320, 216.0 ³	mg/m ³
(TSP)	(U.S. EPA Method 5)		0.0139 [®]	-	0.103 ³	g/s

REMARK:

- ¹ Notification of The Ministry of Industry B.E. 2549 (2006)
- ² Standard Condition (Temperature 25°C, Pressure 760 mmHg) and Dry Basis
- ³ ค่ากำหนดตามรายงานการประเมินผลกระทบสิ่งแวดล้อม (EIA)
- [®] These Data Outside The Scope of The Registration of The Department of Industrial Works.
- Sampling By Mr. Metee Sukprasert (จ-003-ค-0035)

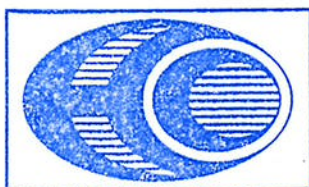
Examined By.....



(Miss Apiradee Chuen-arom)

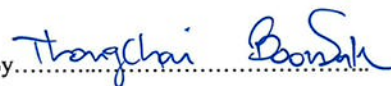
(จ-003-ค-0007)

18/04/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....



(Mr. Thongchai Boonsak)

(จ-003-ค-0012)

18/04/2024

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Request No. LA67-0415

Report No. 6704-0127

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
 ADDRESS : 7 I-1 Rd. Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150
 SAMPLE SOURCE : GC 17 Polystyrene Plant
 SAMPLE POINT : Hot Oil Heater Stack 2 (S-140B) SAMPLE NO. : 01000
 SAMPLING DATE : 04/04/2024 SAMPLING TIME : 09:40-10:10
 RECEIVED DATE : 08/04/2024 REPORTED DATE : 18/04/2024
 TESTED DATE : 08-11/04/2024

STACK DESCRIPTION[@]

Height :	22.00	m	Type of Process :	Combustion
Diameter :	0.60	m	Type of Fuel :	Recovered Volatile
Temperature :	205.00	°C	Oxygen Content :	6.42 %
Air Velocity :	2.76	m/s	Barometric Pressure :	756.25 mmHg
Flow rate ² :	0.45	m ³ /s	Atmospheric Temperature :	33.00 °C
Moisture Content :	7.24	%		

PARAMETER	TEST METHOD	TIME	RESULT ²		STD ¹	UNIT
			6.42 % O ₂	7 % O ₂		
Sulfur Dioxide (SO ₂)	Absorption, Barium-Thorin	09:40-10:10	<3.4	<3.3	157, 23.1 ³	mg/m ³
	Titrimetric (U.S. EPA Method 6)		<1.3	<1.3	60, 8.8 ³	ppm
			<0.0015 [@]	-	0.011 ³	g/s

REMARK:

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

Examined By



(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

18/04/2024



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Approved By



(Mr. Thongchai Boonsak)

(ว-003-ค-0012)

18/04/2024

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Request No. LA67-0415

Report No. 6704-0128

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-1 Rd. Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150
SAMPLE SOURCE : GC 17 Polystyrene Plant
SAMPLE POINT : Hot Oil Heater Stack 2 (S-140B) SAMPLE NO. : 01001
SAMPLING DATE : 04/04/2024 SAMPLING TIME : 09:45-09:50
RECEIVED DATE : 08/04/2024 REPORTED DATE : 18/04/2024
TESTED DATE : 08-11/04/2024

STACK DESCRIPTION[®]

Height :	22.00	m	Type of Process :	Combustion
Diameter :	0.60	m	Type of Fuel :	Recovered Volatile
Temperature :	205.00	°C	Oxygen Content :	6.42 %
Air Velocity :	2.76	m/s	Barometric Pressure :	756.25 mmHg
Flow rate ² :	0.45	m ³ /s	Atmospheric Temperature :	33.00 °C
Moisture Content :	7.24	%		

PARAMETER	TEST METHOD	TIME	RESULT ²		STD ¹	UNIT
			6.42 % O ₂	7 % O ₂		
Oxides of Nitrogen	Absorption, Phenoldisulfonic	09:45-09:50	46.8	44.9	376, 74.5 ³	mg/m ³
(NO _x as NO ₂)	Acid (U.S. EPA Method 7)		24.9	23.9	200, 39.6 ³	ppm
			0.0211 [®]	-	0.035 ³	g/s

REMARK:

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

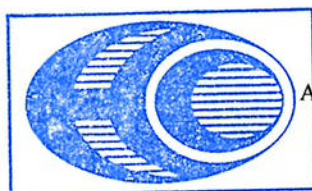
Examined By.....



(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

18/04/2024



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Approved By.....



(Mr. Thongchai Boonsak)

(ว-003-ค-0012)

18/04/2024

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Request No. LA67-0544

Report No. 6706-0042

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
 ADDRESS : 7 I-1 Rd. Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
 SAMPLE SOURCE : GC 17 Polystyrene Plant
 SAMPLE POINT : Die-Fume Scrubber Stack of HIPS SAMPLE NO. : 01801
 SAMPLING DATE : 21/05/2024 SAMPLING TIME : 10:00-10:15
 RECEIVED DATE : 24/05/2024 REPORTED DATE : 08/06/2024
 TESTED DATE : 24-27/05/2024

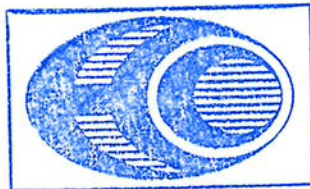
STACK DESCRIPTION

Height :	13.00	m	Type of Process :	Exhaust
Diameter :	0.35	m	Type of Fuel :	-
Temperature :	42.10	°C	Oxygen Content :	20.90 %
Air Velocity :	3.85	m/s	Barometric Pressure :	754.00 mmHg
Flow rate ² :	0.37	m ³ /s	Atmospheric Temperature :	30.50 °C
Moisture Content :	-	%		

PARAMETER*	TEST METHOD	TIME	RESULT ²	STD ¹	UNIT
Styrene monomer	Adsorption, Gas Chromatographic	10:00-10:15	<0.45	44.0	mg/m ³
	(U.S. EPA Method 18)		<0.11	-	ppm
			<0.0002	0.0604	g/s

REMARK:

- ¹ ค่ากำหนดตามรายงานการประเมินผลกระทบสิ่งแวดล้อม (EIA)
- ² Wet Basis (Actual Condition)
- Parameter Outside The Scope of The Registration of The Department of Industrial Works.
- Sampling By Mr. Metee Sukprasert



Approved By.....



(Mr. Thongchai Boonsak)

08/06/2024

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Request No. LA67-0544

Report No. 6706-0043

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-1 Rd. Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
SAMPLE SOURCE : GC 17 Polystyrene Plant
SAMPLE POINT : Die-Fume Scrubber Stack of HIPS
SAMPLE NO. : 01802
SAMPLING DATE : 21/05/2024
SAMPLING TIME : 10:00-10:15
RECEIVED DATE : 24/05/2024
REPORTED DATE : 08/06/2024
TESTED DATE : 24-27/05/2024

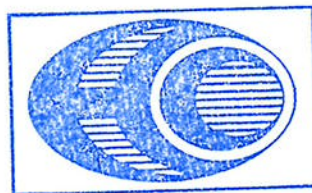
STACK DESCRIPTION

Height :	13.00	m	Type of Process :	Exhaust
Diameter :	0.35	m	Type of Fuel :	-
Temperature :	42.10	°C	Oxygen Content :	20.90 %
Air Velocity :	3.85	m/s	Barometric Pressure :	754.00 mmHg
Flow rate ² :	0.37	m ³ /s	Atmospheric Temperature :	30.50 °C
Moisture Content :	-	%		

PARAMETER*	TEST METHOD	TIME	RESULT ²	STD ¹	UNIT
Ethylbenzene	Adsorption, Gas Chromatographic	10:00-10:15	<2.07	60.0	mg/m ³
	(U.S. EPA Method 18)		<0.48	-	ppm
			<0.0008	0.0824	g/s

REMARK:

- ¹ กำหนดตามรายงานการประเมินผลกระทบสิ่งแวดล้อม (EIA)
- ² Wet Basis (Actual Condition)
- Parameter Outside The Scope of The Registration of The Department of Industrial Works.
- Sampling By Mr. Metee Sukprasert



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Approved By.....

(Mr. Thongchai Boonsak)

08/06/2024

Request No. LA67-0415

Report No. 6704-0131

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-1 Rd. Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150
SAMPLE SOURCE : GC 17 Polystyrene Plant
SAMPLE POINT : Pellet Dryer of HIPS
SAMPLING DATE : 04/04/2024
RECEIVED DATE : 08/04/2024
TESTED DATE : 08-11/04/2024

SAMPLE NO. : 01004
SAMPLING TIME : 10:55-11:10
REPORTED DATE : 18/04/2024

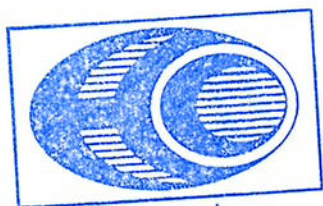
STACK DESCRIPTION

Height	: 11.00 m	Type of Process	: Exhaust
Diameter	: 0.33 m	Type of Fuel	: -
Temperature	: 55.00 °C	Oxygen Content	: 20.90 %
Air Velocity	: 4.68 m/s	Barometric Pressure	: 756.25 mmHg
Flow rate ²	: 0.40 m ³ /s	Atmospheric Temperature	: 34.20 °C
Moisture Content	: - %		

PARAMETER	TEST METHOD	TIME	RESULT ²	STD ¹	UNIT
Styrene monomer	Adsorption, Gas Chromatographic	10:55-11:10	<0.45	1.5	mg/m ³
	(U.S. EPA Method 18)		<0.11	-	ppm
			<0.00018	0.00104	g/s

REMARK:

- ¹ คำกำหนดตามรายงานการประเมินผลกระทบสิ่งแวดล้อม (EIA)
- ² Wet Basis (Actual Condition)
- Parameter Outside The Scope of The Registration of The Department of Industrial Works.
- Sampling By Mr. Metee Sukprasert



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Approved By Thongchai Boonsak

(Mr. Thongchai Boonsak)

18/04/2024

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Request No. LA67-0415

Report No. 6704-0132

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-1 Rd. Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150
SAMPLE SOURCE : GC 17 Polystyrene Plant
SAMPLE POINT : Pellet Dryer of HIPS
SAMPLE NO. : 01005
SAMPLING DATE : 04/04/2024
SAMPLING TIME : 10:55-11:10
RECEIVED DATE : 08/04/2024
REPORTED DATE : 18/04/2024
TESTED DATE : 08-11/04/2024

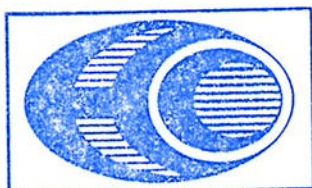
STACK DESCRIPTION

Height	: 11.00 m	Type of Process	: Exhaust
Diameter	: 0.33 m	Type of Fuel	: -
Temperature	: 55.00 °C	Oxygen Content	: 20.90 %
Air Velocity	: 4.68 m/s	Barometric Pressure	: 756.25 mmHg
Flow rate ²	: 0.40 m ³ /s	Atmospheric Temperature	: 34.20 °C
Moisture Content	: - %		

PARAMETER	TEST METHOD	TIME	RESULT ²	STD ¹	UNIT
Ethylbenzene	Adsorption, Gas Chromatographic	10:55-11:10	<2.07	16.0	mg/m ³
	(U.S. EPA Method 18)		<0.48	-	ppm
			<0.00083	0.01111	g/s

REMARK:

- ¹ กำหนดตามรายงานการประเมินผลกระทบสิ่งแวดล้อม (EIA)
- ² Wet Basis (Actual Condition)
- Parameter Outside The Scope of The Registration of The Department of Industrial Works.
- Sampling By Mr. Metee Sukprasert



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By: 

(Mr. Thongchai Boonsak)

18/04/2024

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Request No. LA67-0415

Report No. 6704-0136

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
 ADDRESS : 7 I-1 Rd. Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150
 SAMPLE SOURCE : GC 17 Polystyrene Plant
 SAMPLE POINT : Vacuum Pump 2 (จาก Devolatilizer, Recycle Receiver) SAMPLE NO. : 01009
 SAMPLING DATE : 05/04/2024 SAMPLING TIME : 10:35-10:50
 RECEIVED DATE : 08/04/2024 REPORTED DATE : 18/04/2024
 TESTED DATE : 08-11/04/2024

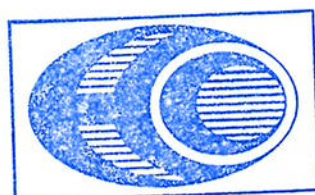
STACK DESCRIPTION

Height :	15.30	m	Type of Process :	Exhaust
Diameter :	0.08	m	Type of Fuel :	-
Temperature :	40.00	°C	Oxygen Content :	20.90 %
Air Velocity :	1.81	m/s	Barometric Pressure :	755.50 mmHg
Flow rate ² :	0.009	m ³ /s	Atmospheric Temperature :	36.70 °C
Moisture Content :	-	%		

PARAMETER	TEST METHOD	TIME	RESULT ²	STD ¹	UNIT
Styrene monomer	Adsorption, Gas Chromatographic (U.S. EPA Method 18)	10:35-10:50	1.08	262.0	mg/m ³
			0.25	-	ppm
			0.00001	0.00064	g/s

REMARK:

- ¹ /1 คำกำหนดตามรายงานการประเมินผลกระทบสิ่งแวดล้อม (EIA)
- ² /2 Wet Basis (Actual Condition)
- Parameter Outside The Scope of The Registration of The Department of Industrial Works.
- Sampling By Mr. Metee Sukprasert



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Approved By... *Thongchai Boonsak*

(Mr. Thongchai Boonsak)

18/04/2024

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Request No. LA67-0415

Report No. 6704-0135

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-1 Rd. Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150
SAMPLE SOURCE : GC 17 Polystyrene Plant
SAMPLE POINT : Vacuum Pump 1 (จาก Reflux Receiver) SAMPLE NO. : 01008
SAMPLING DATE : 05/04/2024 SAMPLING TIME : 10:35-10:50
RECEIVED DATE : 08/04/2024 REPORTED DATE : 18/04/2024
TESTED DATE : 08-11/04/2024

STACK DESCRIPTION

Height	: 15.00 m	Type of Process	: Exhaust
Diameter	: 0.04 m	Type of Fuel	: -
Temperature	: 37.90 °C	Oxygen Content	: 20.90 %
Air Velocity	: 1.88 m/s	Barometric Pressure	: 755.50 mmHg
Flow rate ²	: 0.002 m ³ /s	Atmospheric Temperature	: 36.60 °C
Moisture Content	: - %		

PARAMETER	TEST METHOD	TIME	RESULT ²	STD ¹	UNIT
Styrene monomer	Adsorption, Gas Chromatographic	10:35-10:50	<0.45	262.0	mg/m ³
	(U.S. EPA Method 18)		<0.11	-	ppm
			<0.000001	0.00048	g/s

REMARK:

- ¹ คำกำหนดตามรายงานการประเมินผลกระทบสิ่งแวดล้อม (EIA)
- ² Wet Basis (Actual Condition)
- Parameter Outside The Scope of The Registration of The Department of Industrial Works.
- Sampling By Mr. Metee Sukprasert



Approved By Thongchai Boonsak
(Mr. Thongchai Boonsak)
18/04/2024

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

Request No. LA67-0415

Report No. 6704-0133

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-1 Rd. Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150
SAMPLE SOURCE : GC 17 Polystyrene Plant
SAMPLE POINT : Die-Fume Scrubber Stack of GPPS
SAMPLE NO. : 01006
SAMPLING DATE : 05/04/2024
SAMPLING TIME : 10:10-10:25
RECEIVED DATE : 08/04/2024
REPORTED DATE : 18/04/2024
TESTED DATE : 08-11/04/2024

STACK DESCRIPTION


Height	: 15.30 m	Type of Process	: Exhaust
Diameter	: 0.30 m	Type of Fuel	: -
Temperature	: 39.00 °C	Oxygen Content	: 20.90 %
Air Velocity	: 1.96 m/s	Barometric Pressure	: 759.25 mmHg
Flow rate ²	: 0.14 m ³ /s	Atmospheric Temperature	: 35.00 °C
Moisture Content	: - %		

PARAMETER	TEST METHOD	TIME	RESULT ²	STD ¹	UNIT
Styrene monomer	Adsorption, Gas Chromatographic (U.S. EPA Method 18)	10:10-10:25	<0.45	2.7	mg/m ³
			<0.11	-	ppm
			<0.00006	0.0020	g/s

REMARK:

- ¹ คำกำหนดตามรายงานการประเมินผลกระทบสิ่งแวดล้อม (EIA)
- ² Wet Basis (Actual Condition)
- Parameter Outside The Scope of The Registration of The Department of Industrial Works.
- Sampling By Mr. Metee Sukprasert



Approved By... 
(Mr. Thongchai Boonsak)
18/04/2024

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

Request No. LA67-0415

Report No. 6704-0134

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-1 Rd. Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150
SAMPLE SOURCE : GC 17 Polystyrene Plant
SAMPLE POINT : Pellet Dryer of GPPS
SAMPLING DATE : 05/04/2024
RECEIVED DATE : 08/04/2024
TESTED DATE : 08-11/04/2024
STACK DESCRIPTION

Height	: 6.00 m	Type of Process	: Exhaust
Diameter	: 0.58 m	Type of Fuel	: -
Temperature	: 52.00 °C	Oxygen Content	: 20.90 %
Air Velocity	: 2.26 m/s	Barometric Pressure	: 756.26 mmHg
Flow rate ^{/2}	: 0.60 m ³ /s	Atmospheric Temperature	: 34.00 °C
Moisture Content	: - %		

PARAMETER	TEST METHOD	TIME	RESULT ^{/2}	STD ^{/1}	UNIT
Styrene monomer	Adsorption, Gas Chromatographic (U.S. EPA Method 18)	10:15-10:30	<0.45	5.0	mg/m ³
			<0.11	-	ppm
			<0.0003	0.0057	g/s

REMARK:

- ^{/1} คำกำหนดตามรายงานการประเมินผลกระทบสิ่งแวดล้อม (EIA)
- ^{/2} Wet Basis (Actual Condition)
- Parameter Outside The Scope of The Registration of The Department of Industrial Works.
- Sampling By Mr. Metee Sukprasert



Approved By



(Mr. Thongchai Boonsak)

18/04/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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ผลการทดสอบคุณภาพอากาศในบรรยากาศ

Request No. ATR6704050

Report No. 6704-1004 - 6704-1010

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7,I-1 Road, Map Ta Phut Industrial Estate, Map Ta Phut, Muang Rayong, Rayong, 21150
SAMPLE SOURCE : GC 17 Polystyrene Plant
SAMPLE NAME : ริมรั้วด้านทิศเหนือของบริษัท ไทยโพลีเอซีที จำกัด (TPAC)
RECEIVED DATE : 23/04/2024 SAMPLE NO. : A67041004 - A67041010
TESTED DATE : 23/04/2024-24/04/2024 REPORTED DATE : 26/04/2024

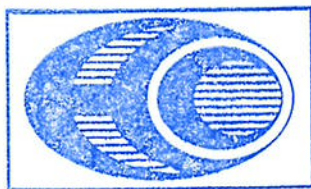
PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD ^{1/}	UNIT
Total Suspended Particulate (TSP)	Gravimetric Method	03-04/04/2024	0.043	0.33	mg/m ³
		04-05/04/2024	0.044	0.33	mg/m ³
		05-06/04/2024	0.051	0.33	mg/m ³
		06-07/04/2024	0.038	0.33	mg/m ³
		07-08/04/2024	0.032	0.33	mg/m ³
		08-09/04/2024	0.023	0.33	mg/m ³
		09-10/04/2024	0.036	0.33	mg/m ³

REMARK:

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

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

(Sampling By Mr. Tummarat Photankhum)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(Miss Thanatporn Klinsoon)

26/04/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Request No. ATR6704050

Report No. 6704-1018 - 6704-1024

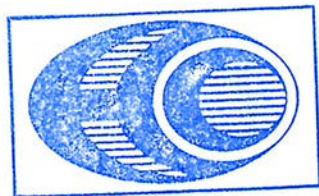
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7,I-1 Road, Map Ta Phut Industrial Estate, Map Ta Phut, Muang Rayong, Rayong, 21150
SAMPLE SOURCE : GC 17 Polystyrene Plant
SAMPLE NAME : ริมรั้วด้านทิศเหนือของบริษัท ไทยโพลีเอซีทิล จำกัด (TPAC)
RECEIVED DATE : 23/04/2024 SAMPLE NO. : A67041018 - A67041024
TESTED DATE : 23/04/2024-24/04/2024 REPORTED DATE : 26/04/2024

PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	UNIT
Styrene	Sorbent Adsorption, Gas	03-04/04/2024	< 0.16	mg/m ³
			< 0.04	ppm
	Chromatography Method	04-05/04/2024	< 0.16	mg/m ³
			< 0.04	ppm
		05-06/04/2024	< 0.16	mg/m ³
			< 0.04	ppm
		06-07/04/2024	< 0.16	mg/m ³
			< 0.04	ppm
		07-08/04/2024	< 0.16	mg/m ³
			< 0.04	ppm
		08-09/04/2024	< 0.16	mg/m ³
			< 0.04	ppm
		09-10/04/2024	< 0.16	mg/m ³
			< 0.04	ppm
			< 0.16	mg/m ³
			< 0.04	ppm


REMARK:

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By



(Miss Thanatporn Klinsoapon)

26/04/2024

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Request No. ATR6704050

Report No. 6704-1011 - 6704-1017

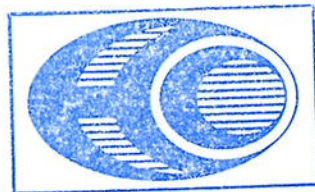
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7,I-1 Road, Map Ta Phut Industrial Estate, Map Ta Phut, Muang Rayong, Rayong, 21150
SAMPLE SOURCE : GC 17 Polystyrene Plant
SAMPLE NAME : รมิรวัดานทิสเหนือของบริษัทยไทยโพลีอะซีทล จำกัด (TPAC)
RECEIVED DATE : 23/04/2024 SAMPLE NO. : A67041011 - A67041017
TESTED DATE : 23/04/2024-24/04/2024 REPORTED DATE : 26/04/2024

PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	UNIT
Ethylbenzene	Sorbent Adsorption, Gas	03-04/04/2024	< 0.15	mg/m ³
			< 0.03	ppm
	Chromatography Method	04-05/04/2024	< 0.15	mg/m ³
			< 0.03	ppm
		05-06/04/2024	< 0.15	mg/m ³
			< 0.03	ppm
		06-07/04/2024	< 0.15	mg/m ³
			< 0.03	ppm
		07-08/04/2024	< 0.15	mg/m ³
			< 0.03	ppm
		08-09/04/2024	< 0.15	mg/m ³
			< 0.03	ppm
		09-10/04/2024	< 0.15	mg/m ³
			< 0.03	ppm

REMARK:

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By



(Miss Thanatporn Klinsoyon)

26/04/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Request No. ATR6704050

Report No. 6704-1025 - 6704-1031

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7,I-1 Road, Map Ta Phut Industrial Estate, Map Ta Phut, Muang Rayong, Rayong, 21150
SAMPLE SOURCE : GC 17 Polystyrene Plant
SAMPLE NAME : โรงเรือนบ้านหนองแฟบ
RECEIVED DATE : 23/04/2024 SAMPLE NO. : A67041025 - A67041031
TESTED DATE : 23/04/2024-24/04/2024 REPORTED DATE : 26/04/2024

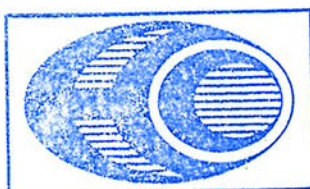
PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD ^{/1}	UNIT
Total Suspended Particulate (TSP)	Gravimetric Method	03-04/04/2024	0.034	0.33	mg/m ³
		04-05/04/2024	0.038	0.33	mg/m ³
		05-06/04/2024	0.039	0.33	mg/m ³
		06-07/04/2024	0.020	0.33	mg/m ³
		07-08/04/2024	0.035	0.33	mg/m ³
		08-09/04/2024	0.022	0.33	mg/m ³
		09-10/04/2024	0.033	0.33	mg/m ³

REMARK:

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

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

(Sampling By Mr. Tummarat Photankhum)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(Miss Thanatporn Klinsopon)

26/04/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

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Request No. ATR6704050

Report No. 6704-1039 - 6704-1045

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7,I-1 Road, Map Ta Phut Industrial Estate, Map Ta Phut, Muang Rayong, Rayong, 21150
SAMPLE SOURCE : GC 17 Polystyrene Plant
SAMPLE NAME : โรงเรียนบ้านหนองแฟบ
RECEIVED DATE : 23/04/2024 SAMPLE NO. : A67041039 - A67041045
TESTED DATE : 23/04/2024-24/04/2024 REPORTED DATE : 26/04/2024

PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	UNIT
Styrene	Sorbent Adsorption, Gas	03-04/04/2024	< 0.16	mg/m ³
			< 0.04	ppm
	Chromatography Method	04-05/04/2024	< 0.16	mg/m ³
			< 0.04	ppm
		05-06/04/2024	< 0.16	mg/m ³
			< 0.04	ppm
		06-07/04/2024	< 0.16	mg/m ³
			< 0.04	ppm
		07-08/04/2024	< 0.16	mg/m ³
			< 0.04	ppm
		08-09/04/2024	< 0.16	mg/m ³
			< 0.04	ppm
		09-10/04/2024	< 0.16	mg/m ³
			< 0.04	ppm

REMARK:

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



Approved By



(Miss Thanatporn Klinsopon)

26/04/2024

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Request No. ATR6704050

Report No. 6704-1032 - 6704-1038

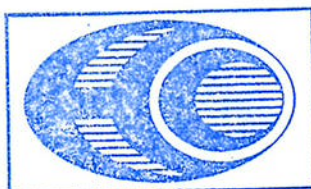
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
 ADDRESS : 7,I-1 Road, Map Ta Phut Industrial Estate, Map Ta Phut, Muang Rayong, Rayong, 21150
 SAMPLE SOURCE : GC 17 Polystyrene Plant
 SAMPLE NAME : โรงเรียนบ้านหนองแพบ
 RECEIVED DATE : 23/04/2024 SAMPLE NO. : A67041032 - A67041038
 TESTED DATE : 23/04/2024-24/04/2024 REPORTED DATE : 26/04/2024

PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	UNIT
Ethylbenzene	Sorbent Adsorption, Gas	03-04/04/2024	< 0.15	mg/m ³
			< 0.03	ppm
	Chromatography Method	04-05/04/2024	< 0.15	mg/m ³
			< 0.03	ppm
		05-06/04/2024	< 0.15	mg/m ³
			< 0.03	ppm
		06-07/04/2024	< 0.15	mg/m ³
			< 0.03	ppm
		07-08/04/2024	< 0.15	mg/m ³
			< 0.03	ppm
		08-09/04/2024	< 0.15	mg/m ³
			< 0.03	ppm
		09-10/04/2024	< 0.15	mg/m ³
			< 0.03	ppm

REMARK:

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By



(Miss Thanatporn Klinsohon)

26/04/2024

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Request No. LA67-R0474

Report No. R6704-2929 - R6704-2935

TEST REPORT

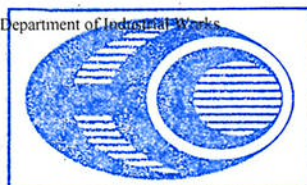
CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-I Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE POINT : บริเวณริมรั้วด้านทิศเหนือของ บริษัท ไทยโพลีเอธีลีน จำกัด (TPAC)
PARAMETER* : Sulfur Dioxide
DETERMINATION METHOD : UV-Fluorescence
INSTRUMENT : API Model M100E S/N 640

SAMPLE NO. : 08879-08885
SAMPLING DATE : 03-10/04/2024
RECEIVED DATE : 10/04/2024
REPORTED DATE : 24/04/2024

TIME / DATE	03-04/04/2024	04-05/04/2024	05-06/04/2024	06-07/04/2024	07-08/04/2024	08-09/04/2024	09-10/04/2024	UNIT
11:00 - 12:00 ³	0.002	0.002	0.002	0.002	0.002	0.002	0.002	ppm
12:00 - 13:00	0.002	0.002	0.002	0.002	0.002	0.002	0.002	ppm
13:00 - 14:00	0.002	0.002	0.002	0.002	0.001	0.001	0.002	ppm
14:00 - 15:00	0.002	0.001	0.002	0.002	0.001	0.002	0.002	ppm
15:00 - 16:00	0.002	0.001	0.002	0.002	0.002	0.002	0.002	ppm
16:00 - 17:00	0.002	0.002	0.001	0.002	0.002	0.002	0.002	ppm
17:00 - 18:00	0.002	0.002	0.001	0.002	0.002	0.002	0.002	ppm
18:00 - 19:00	0.002	0.002	0.002	0.002	0.002	0.002	0.002	ppm
19:00 - 20:00	0.002	0.002	0.002	0.002	0.002	0.002	0.002	ppm
20:00 - 21:00	0.002	0.002	0.002	0.002	0.002	0.002	0.002	ppm
21:00 - 22:00	0.003	0.001	0.002	0.002	0.002	0.002	0.002	ppm
22:00 - 23:00	0.002	0.002	0.002	0.002	0.002	0.002	0.002	ppm
23:00 - 00:00	0.002	0.002	0.002	0.002	0.002	0.002	0.002	ppm
00:00 - 01:00	0.002	0.002	0.002	0.002	0.002	0.002	0.002	ppm
01:00 - 02:00	0.002	0.002	0.002	0.002	0.002	0.002	0.002	ppm
02:00 - 03:00	0.002	0.001	0.002	0.002	0.002	0.002	0.002	ppm
03:00 - 04:00	0.002	0.002	0.002	0.002	0.002	0.002	0.002	ppm
04:00 - 05:00	0.002	0.002	0.002	0.003	0.002	0.002	0.002	ppm
05:00 - 06:00	0.002	0.002	0.002	0.002	0.002	0.002	0.002	ppm
06:00 - 07:00	0.002	0.002	0.002	0.002	0.002	0.002	0.002	ppm
07:00 - 08:00	0.002	0.002	0.002	0.002	0.002	0.002	0.002	ppm
08:00 - 09:00	0.002	0.002	0.002	0.002	0.002	0.002	0.002	ppm
09:00 - 10:00	0.002	0.001	0.002	0.002	0.002	0.002	0.002	ppm
10:00 - 11:00	0.002	0.002	0.002	0.002	0.001	0.002	0.002	ppm
Maximum 1 hr.	0.003	0.002	0.002	0.003	0.002	0.002	0.002	ppm
Average 24 hr.	0.002	0.002	0.002	0.002	0.002	0.002	0.002	ppm
Standard (1 hr.) ¹	0.30	0.30	0.30	0.30	0.30	0.30	0.30	ppm
Standard (Average 24 hr.) ²	0.12	0.12	0.12	0.12	0.12	0.12	0.12	ppm

REMARK : ¹ Notification of The National Environmental Board Volume 12 B.E. 2538 (1995) and Volume 21 B.E. 2544 (2001)² Notification of The National Environmental Board Volume 24 B.E. 2547 (2004)³ Start Time

* 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

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
WITHOUT THE WRITTEN APPROVAL LABORATORY

Approved By

(MS. THANATPORN KLINSOPON)

24/04/2024

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE POINT : โรงเรือนบ้านหนองแฟบ
PARAMETER* : Sulfur Dioxide
DETERMINATION METHOD : UV-Fluorescence
INSTRUMENT : API Model T100 S/N 6457

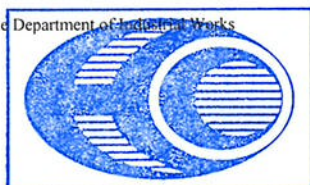
SAMPLE NO. : 08893-08899
SAMPLING DATE : 03-10/04/2024
RECEIVED DATE : 10/04/2024
REPORTED DATE : 24/04/2024

TIME / DATE	03-04/04/2024	04-05/04/2024	05-06/04/2024	06-07/04/2024	07-08/04/2024	08-09/04/2024	09-10/04/2024	UNIT
11:00 - 12:00 ³	0.007	0.007	0.007	0.006	0.006	0.006	0.006	ppm
12:00 - 13:00	0.007	0.007	0.006	0.007	0.006	0.006	0.006	ppm
13:00 - 14:00	0.007	0.007	0.007	0.007	0.007	0.006	0.006	ppm
14:00 - 15:00	0.007	0.007	0.007	0.007	0.007	0.006	0.006	ppm
15:00 - 16:00	0.007	0.007	0.007	0.007	0.007	0.007	0.006	ppm
16:00 - 17:00	0.007	0.007	0.007	0.007	0.007	0.006	0.007	ppm
17:00 - 18:00	0.007	0.007	0.007	0.007	0.007	0.006	0.007	ppm
18:00 - 19:00	0.007	0.007	0.007	0.007	0.007	0.007	0.007	ppm
19:00 - 20:00	0.007	0.007	0.007	0.007	0.007	0.006	0.006	ppm
20:00 - 21:00	0.007	0.007	0.007	0.007	0.007	0.006	0.006	ppm
21:00 - 22:00	0.007	0.007	0.007	0.007	0.007	0.006	0.006	ppm
22:00 - 23:00	0.006	0.007	0.007	0.007	0.007	0.006	0.006	ppm
23:00 - 00:00	0.007	0.007	0.007	0.006	0.006	0.006	0.006	ppm
00:00 - 01:00	0.007	0.007	0.007	0.007	0.006	0.006	0.006	ppm
01:00 - 02:00	0.007	0.007	0.007	0.007	0.006	0.006	0.006	ppm
02:00 - 03:00	0.007	0.007	0.007	0.006	0.006	0.006	0.006	ppm
03:00 - 04:00	0.007	0.007	0.006	0.007	0.006	0.006	0.006	ppm
04:00 - 05:00	0.007	0.007	0.007	0.007	0.006	0.006	0.006	ppm
05:00 - 06:00	0.007	0.007	0.007	0.006	0.006	0.006	0.006	ppm
06:00 - 07:00	0.007	0.007	0.007	0.006	0.006	0.006	0.006	ppm
07:00 - 08:00	0.007	0.007	0.006	0.006	0.006	0.006	0.006	ppm
08:00 - 09:00	0.007	0.006	0.006	0.006	0.006	0.006	0.006	ppm
09:00 - 10:00	0.007	0.006	0.006	0.006	0.006	0.006	0.006	ppm
10:00 - 11:00	0.007	0.007	0.006	0.007	0.006	0.006	0.006	ppm
Maximum 1 hr.	0.007	0.007	0.007	0.007	0.007	0.007	0.007	ppm
Average 24 hr.	0.007	0.007	0.006	0.006	0.006	0.006	0.006	ppm
Standard (1 hr.) ¹	0.30	0.30	0.30	0.30	0.30	0.30	0.30	ppm
Standard (Average 24 hr.) ²	0.12	0.12	0.12	0.12	0.12	0.12	0.12	ppm

REMARK : ¹ Notification of The National Environmental Board Volume 12 B.E. 2538 (1995) and Volume 21 B.E. 2544 (2001)² Notification of The National Environmental Board Volume 24 B.E. 2547 (2004)³ Start Time

* 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

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL

WITHOUT THE WRITTEN APPROVAL LABORATORY

Approved By

(MS. THANATPORN KLINSOPON)

24/04/2024

Request No. LA67-R0474

Report No. R6704-2936 - R6704-2942

TEST REPORT

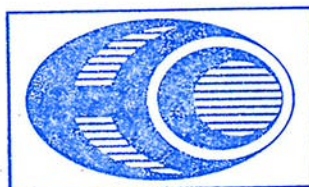
CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE POINT : บริเวณริมรั้วด้านทิศเหนือของ บริษัท ไทยโพลีเอธีลีน จำกัด (TPAC)
PARAMETER* : Nitrogen Dioxide
DETERMINATION METHOD : Chemiluminescence
INSTRUMENT : API Model T200 S/N 2005

SAMPLE NO. : 08886-08892
SAMPLING DATE : 03-10/04/2024
RECEIVED DATE : 10/04/2024
REPORTED DATE : 24/04/2024

TIME / DATE	03-04/04/2024	04-05/04/2024	05-06/04/2024	06-07/04/2024	07-08/04/2024	08-09/04/2024	09-10/04/2024	UNIT
11:00 - 12:00 ²	0.015	0.016	0.016	0.015	0.012	0.010	0.016	ppm
12:00 - 13:00	0.019	0.014	0.012	0.014	0.010	0.009	0.012	ppm
13:00 - 14:00	0.015	0.014	0.013	0.011	0.010	0.009	0.008	ppm
14:00 - 15:00	0.022	0.015	0.013	0.012	0.011	0.009	0.008	ppm
15:00 - 16:00	0.020	0.015	0.012	0.012	0.011	0.009	0.009	ppm
16:00 - 17:00	0.021	0.016	0.013	0.012	0.010	0.009	0.009	ppm
17:00 - 18:00	0.024	0.018	0.014	0.012	0.010	0.009	0.010	ppm
18:00 - 19:00	0.027	0.019	0.018	0.013	0.011	0.009	0.010	ppm
19:00 - 20:00	0.023	0.019	0.019	0.013	0.011	0.010	0.011	ppm
20:00 - 21:00	0.025	0.021	0.014	0.011	0.010	0.008	0.009	ppm
21:00 - 22:00	0.024	0.016	0.014	0.011	0.011	0.009	0.009	ppm
22:00 - 23:00	0.019	0.015	0.017	0.011	0.011	0.009	0.009	ppm
23:00 - 00:00	0.022	0.013	0.017	0.012	0.011	0.008	0.011	ppm
00:00 - 01:00	0.019	0.013	0.020	0.012	0.011	0.009	0.019	ppm
01:00 - 02:00	0.018	0.013	0.014	0.011	0.011	0.009	0.012	ppm
02:00 - 03:00	0.017	0.012	0.014	0.012	0.011	0.009	0.009	ppm
03:00 - 04:00	0.017	0.013	0.014	0.012	0.011	0.009	0.010	ppm
04:00 - 05:00	0.016	0.013	0.015	0.011	0.010	0.008	0.009	ppm
05:00 - 06:00	0.015	0.013	0.014	0.011	0.010	0.008	0.009	ppm
06:00 - 07:00	0.016	0.012	0.014	0.011	0.010	0.008	0.009	ppm
07:00 - 08:00	0.016	0.015	0.013	0.011	0.011	0.009	0.009	ppm
08:00 - 09:00	0.016	0.016	0.013	0.013	0.011	0.009	0.009	ppm
09:00 - 10:00	0.015	0.019	0.014	0.012	0.011	0.010	0.009	ppm
10:00 - 11:00	0.015	0.020	0.014	0.011	0.010	0.016	0.010	ppm
Maximum 1 hr.	0.027	0.021	0.020	0.015	0.012	0.016	0.019	ppm
Average 24 hr.	0.019	0.015	0.015	0.012	0.011	0.009	0.010	ppm
Standard (1 hr.) ¹	0.17	0.17	0.17	0.17	0.17	0.17	0.17	ppm

REMARK : ¹ Notification of The National Environmental Board Volume 33 B.E. 2552 (2009)² Start Time

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By: 

(MS. THANATPORN KLINSOPON)

24/04/2024

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

Request No. LA67-R0474

Report No. R6704-2950 - R6704-2956

TEST REPORT

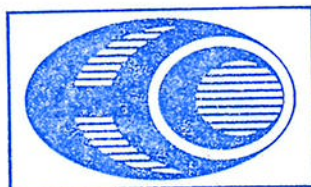
CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-I Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE POINT : โรงเรือนบ้านหนองเพย
PARAMETER* : Nitrogen Dioxide
DETERMINATION METHOD : Chemiluminescence
INSTRUMENT : API Model T200 S/N 7874

SAMPLE NO. : 08900-08906
SAMPLING DATE : 03-10/04/2024
RECEIVED DATE : 10/04/2024
REPORTED DATE : 24/04/2024

TIME / DATE	03-04/04/2024	04-05/04/2024	05-06/04/2024	06-07/04/2024	07-08/04/2024	08-09/04/2024	09-10/04/2024	UNIT
11:00 - 12:00 ²	0.004	0.004	0.006	0.003	0.002	0.003	0.003	ppm
12:00 - 13:00	0.005	0.004	0.004	0.003	0.002	0.002	0.003	ppm
13:00 - 14:00	0.004	0.004	0.004	0.002	0.003	0.002	0.002	ppm
14:00 - 15:00	0.004	0.004	0.003	0.002	0.002	0.002	0.002	ppm
15:00 - 16:00	0.003	0.004	0.003	0.003	0.002	0.002	0.002	ppm
16:00 - 17:00	0.004	0.003	0.003	0.002	0.002	0.002	0.003	ppm
17:00 - 18:00	0.004	0.004	0.004	0.003	0.003	0.002	0.003	ppm
18:00 - 19:00	0.005	0.005	0.004	0.004	0.002	0.002	0.004	ppm
19:00 - 20:00	0.004	0.004	0.004	0.003	0.002	0.003	0.004	ppm
20:00 - 21:00	0.004	0.002	0.003	0.003	0.002	0.002	0.003	ppm
21:00 - 22:00	0.003	0.002	0.002	0.002	0.002	0.002	0.003	ppm
22:00 - 23:00	0.002	0.002	0.002	0.002	0.003	0.002	0.002	ppm
23:00 - 00:00	0.002	0.002	0.002	0.002	0.002	0.001	0.002	ppm
00:00 - 01:00	0.002	0.002	0.002	0.002	0.002	0.002	0.003	ppm
01:00 - 02:00	0.002	0.002	0.003	0.001	0.002	0.001	0.003	ppm
02:00 - 03:00	0.002	0.002	0.002	0.001	0.001	0.001	0.001	ppm
03:00 - 04:00	0.002	0.003	0.002	0.001	0.001	0.001	0.002	ppm
04:00 - 05:00	0.002	0.002	0.001	0.002	0.001	0.002	0.001	ppm
05:00 - 06:00	0.003	0.001	0.002	0.001	0.002	0.001	0.001	ppm
06:00 - 07:00	0.003	0.002	0.002	0.001	0.002	0.002	0.002	ppm
07:00 - 08:00	0.004	0.007	0.004	0.003	0.004	0.005	0.005	ppm
08:00 - 09:00	0.004	0.004	0.003	0.002	0.004	0.004	0.005	ppm
09:00 - 10:00	0.003	0.005	0.003	0.002	0.002	0.003	0.003	ppm
10:00 - 11:00	0.004	0.005	0.004	0.002	0.002	0.003	0.007	ppm
Maximum 1 hr.	0.005	0.007	0.006	0.004	0.004	0.005	0.007	ppm
Average 24 hr.	0.003	0.003	0.003	0.002	0.002	0.002	0.003	ppm
Standard (1 hr.) ^{1/1}	0.17	0.17	0.17	0.17	0.17	0.17	0.17	ppm

REMARK : ¹ Notification of The National Environmental Board Volume 33 B.E. 2552 (2009)² Start Time

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL

WITHOUT THE WRITTEN APPROVAL LABORATORY

Approved By: 

(MS. THANATPORN KLINSOPON)

24/04/2024

Wind Speed & Wind Direction

Request No. LA67-R0474

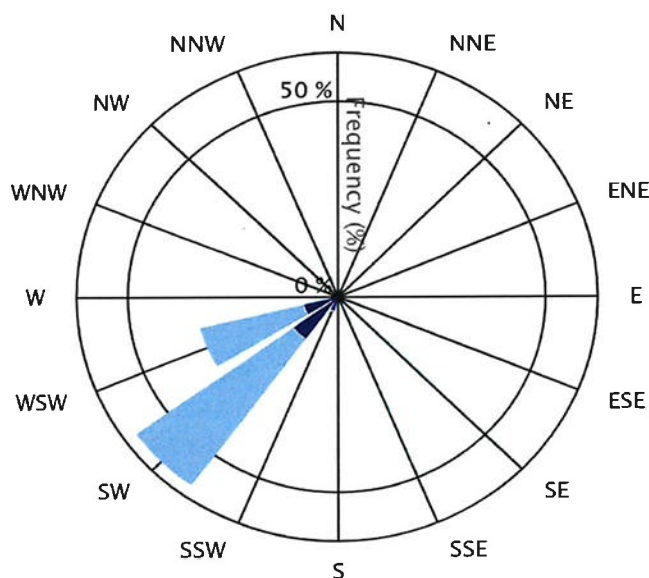
PTT Global Chemical Public Company Limited Branch 17 (GC 17 Polystyrene Plant)

Sample No. 08935

Sampling Source : บริเวณริมรั้วด้านทิศเหนือของ บริษัท ไทยโพลีเอซีที จำกัด (TPAC)

Sampling Date : April 3-10, 2024

Calm 0.0 %


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

WD/WS	Percentage of Occurrence of Wind Direct Grouped in Various Wind Speed						Total
	0.4-1.9 m/s	2.0-3.9 m/s	4.0-5.9 m/s	6.0-7.9 m/s	8.0-9.9 m/s	> 9.9 m/s	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	1.8	0.0	0.0	0.0	0.0	0.0	1.8
SSW	3.6	0.6	0.0	0.0	0.0	0.0	4.2
SW	13.1	46.4	0.0	0.0	0.0	0.0	59.5
WSW	8.3	25.6	0.0	0.0	0.0	0.0	33.9
W	0.0	0.6	0.0	0.0	0.0	0.0	0.6
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calm	0.0						0.0

Wind Speed & Wind Direction

Request No. LA67-R0474

PTT Global Chemical Public Company Limited Branch 17 (GC 17 Polystyrene Plant)

Sample No. 08935

Sampling Source : บริเวณริมรั้วด้านทิศเหนือของ บริษัท ไทยโพลีเอธีลีน จำกัด (TPAC)

Sampling Date : April 3-10, 2024

Time	April 3-4, 2024		April 4-5, 2024		April 5-6, 2024		April 6-7, 2024		April 7-8, 2024		April 8-9, 2024		April 9-10, 2024	
	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction
11:00-12:00	1.3	SSW	3.6	WSW	3.1	WSW	3.6	WSW	3.1	SW	2.7	WSW	2.2	SW
12:00-13:00	2.7	SW	3.6	WSW	3.6	WSW	3.6	WSW	3.1	WSW	3.1	WSW	2.7	WSW
13:00-14:00	2.7	WSW	3.1	SW	3.6	WSW	3.1	WSW	3.1	WSW	3.1	WSW	3.1	WSW
14:00-15:00	2.2	SW	3.6	WSW	3.6	WSW	3.1	SW	3.1	WSW	3.1	SW	2.7	SW
15:00-16:00	2.2	SSW	3.6	SW	3.6	WSW	3.6	WSW	3.6	W	3.1	WSW	3.6	WSW
16:00-17:00	1.8	SSW	3.1	SW	3.1	WSW	3.6	WSW	3.1	SW	3.1	SW	3.6	SW
17:00-18:00	1.8	S	3.1	SW	3.1	WSW	3.6	SW	3.1	SW	3.1	WSW	3.1	SW
18:00-19:00	1.8	SSW	2.7	SW	2.7	SW	3.1	SW	3.1	WSW	2.7	WSW	2.7	SW
19:00-20:00	1.3	SSW	2.2	SW	2.2	SW	2.2	SW	2.7	SW	2.7	SW	1.8	WSW
20:00-21:00	1.8	SW	1.3	SSW	1.8	WSW	2.7	SW	2.7	SW	1.8	SW	1.3	WSW
21:00-22:00	0.9	SSW	1.8	SW	2.2	WSW	2.2	SW	2.2	SW	1.8	SW	1.8	SW
22:00-23:00	1.8	WSW	1.8	SW	1.3	SW	2.7	WSW	1.8	SW	2.2	WSW	1.8	WSW
23:00-00:00	0.9	WSW	2.2	SW	0.9	S	2.2	SW	1.8	SW	2.2	WSW	1.8	SW
00:00-01:00	1.8	WSW	2.2	SW	1.3	SW	2.7	SW	2.7	SW	1.3	SW	1.8	SW
01:00-02:00	2.2	SW	2.2	SW	2.2	SW	2.7	WSW	2.7	SW	1.8	SW	1.3	WSW
02:00-03:00	2.7	SW	2.2	SW	2.2	SW	2.2	WSW	2.7	SW	1.3	SW	2.7	SW
03:00-04:00	2.2	SW	2.2	SW	2.7	SW	2.7	SW	2.7	WSW	1.3	SW	2.2	WSW
04:00-05:00	2.2	SW	1.8	SW	2.2	SW	2.2	SW	2.7	SW	1.8	WSW	2.7	WSW
05:00-06:00	2.2	SW	2.2	SW	2.7	SW	1.8	SW	2.7	SW	1.8	SW	2.2	SW
06:00-07:00	2.7	SW	2.2	SW	2.7	SW	2.2	SW	2.2	SW	1.8	SW	2.2	SW
07:00-08:00	2.7	SW	2.2	SW	2.2	SW	2.2	SW	2.2	SW	1.8	SW	1.8	WSW
08:00-09:00	2.7	WSW	2.2	SW	3.1	SW	2.7	SW	2.2	SW	1.8	WSW	1.8	WSW
09:00-10:00	3.1	WSW	2.2	SW	3.1	SW	3.1	SW	1.8	WSW	1.8	WSW	2.2	WSW
10:00-11:00	3.1	WSW	1.8	SW	3.6	WSW	3.6	SW	2.2	SW	1.3	S	2.2	SW

Wind Speed & Wind Direction

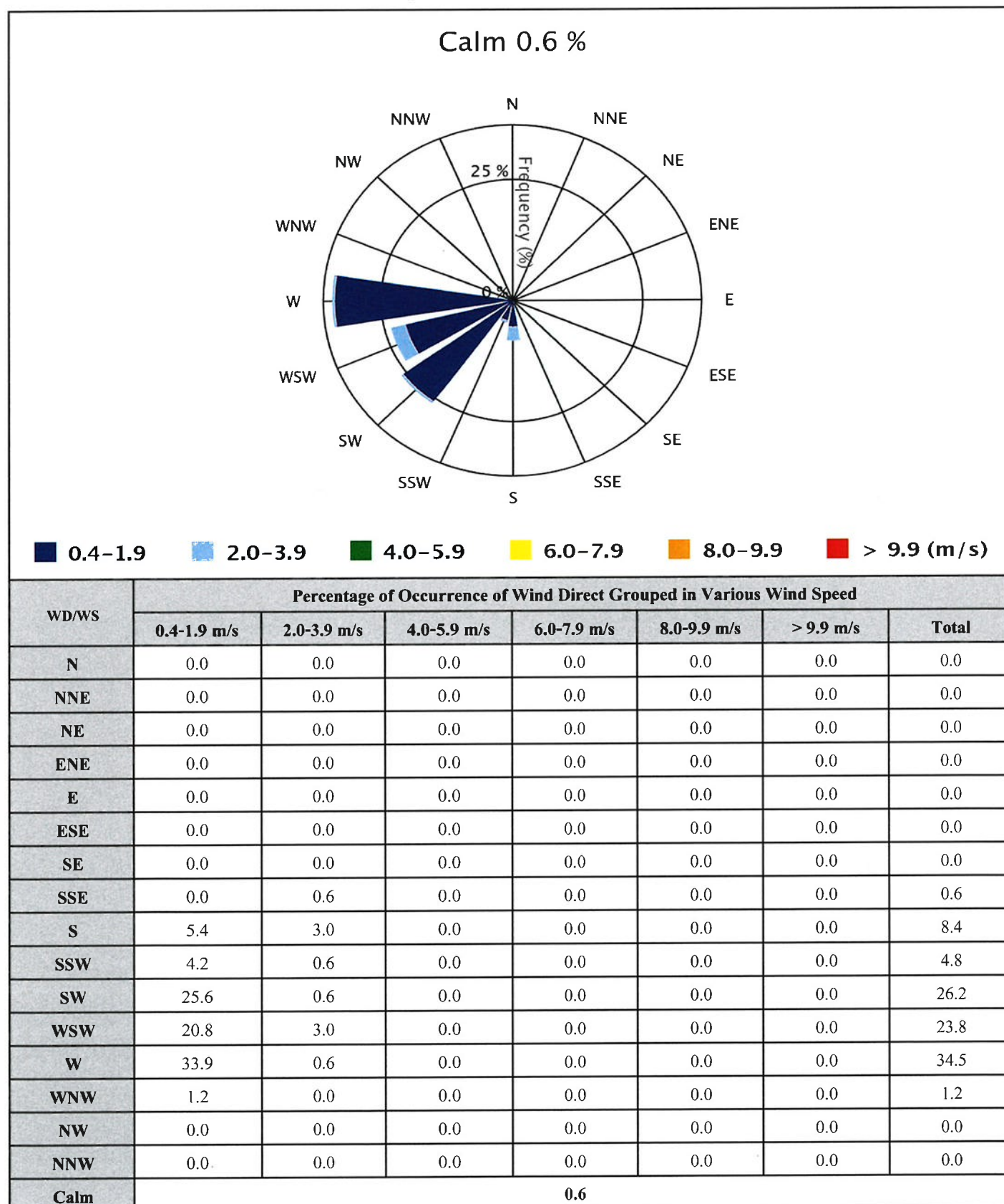
Request No. LA67-R0474

PTT Global Chemical Public Company Limited Branch 17 (GC 17 Polystyrene Plant)

Sample No. 08936

Sampling Source : โรงเรียนบ้านหนองแฟบ

Sampling Date : April 3-10, 2024





Wind Speed & Wind Direction

Request No. LA67-R0474

PTT Global Chemical Public Company Limited Branch 17 (GC 17 Polystyrene Plant)

Sample No. 08936

Sampling Source : โรงเรียนบ้านหนองแฟบ

Sampling Date : April 3-10, 2024

Time	April 3-4, 2024		April 4-5, 2024		April 5-6, 2024		April 6-7, 2024		April 7-8, 2024		April 8-9, 2024		April 9-10, 2024	
	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction
11:00-12:00	0.9	S	1.8	S	1.8	SSW	1.8	WSW	1.8	W	1.8	WSW	1.8	SW
12:00-13:00	2.2	S	1.8	SW	1.8	SSW	2.2	SSW	1.3	W	1.8	W	1.8	SW
13:00-14:00	2.2	S	1.8	SW	2.2	WSW	1.8	WSW	1.3	WNW	1.8	W	1.8	W
14:00-15:00	2.2	S	1.8	SW	2.2	WSW	2.2	WSW	1.3	W	1.8	W	1.8	W
15:00-16:00	2.7	S	1.8	SW	1.8	WSW	2.2	WSW	1.3	W	1.8	W	1.8	W
16:00-17:00	2.2	S	2.2	SW	1.8	WSW	1.8	WSW	1.3	W	1.8	W	1.8	W
17:00-18:00	2.2	SSE	1.8	SW	1.3	SW	2.2	W	1.3	W	1.8	W	1.3	W
18:00-19:00	1.8	S	1.8	SW	1.3	SW	1.3	W	1.3	W	1.3	W	0.9	W
19:00-20:00	1.8	S	1.8	S	1.3	SW	1.3	W	0.9	WNW	1.3	W	0.4	W
20:00-21:00	1.3	SSW	1.3	SSW	1.3	SW	1.3	W	0.9	W	0.9	W	0.0	-
21:00-22:00	0.9	SW	1.3	S	0.9	SW	1.3	WSW	0.9	W	1.3	W	0.9	W
22:00-23:00	0.9	SW	1.3	SW	1.3	SW	1.3	W	0.4	W	0.9	WSW	0.9	W
23:00-00:00	0.9	SW	1.3	SW	1.3	SW	1.8	WSW	0.4	WSW	1.3	W	1.8	SW
00:00-01:00	1.3	SW	1.3	SW	1.3	SW	1.3	WSW	0.9	W	0.4	W	1.3	W
01:00-02:00	1.3	SW	1.3	SW	1.3	WSW	1.8	SSW	1.3	W	0.4	W	0.4	WSW
02:00-03:00	1.8	SW	1.3	SW	1.3	WSW	1.3	WSW	1.3	W	0.9	W	1.3	W
03:00-04:00	1.3	SW	1.3	SW	1.3	WSW	1.3	WSW	1.3	W	0.9	WSW	1.3	W
04:00-05:00	1.3	SW	1.3	SW	1.3	WSW	1.3	WSW	1.3	W	0.9	W	1.3	W
05:00-06:00	1.3	SW	1.3	SW	1.3	WSW	1.3	WSW	1.8	WSW	1.3	W	0.9	W
06:00-07:00	1.3	SW	1.8	SW	1.3	WSW	1.3	WSW	1.3	W	0.9	W	0.9	W
07:00-08:00	1.3	SW	1.3	SW	1.3	WSW	1.3	WSW	0.9	W	0.4	W	0.4	W
08:00-09:00	1.3	SW	1.3	SSW	1.8	WSW	2.2	WSW	0.9	W	0.9	WSW	0.4	WSW
09:00-10:00	1.8	S	1.8	S	1.8	WSW	1.8	WSW	0.9	WSW	1.3	SSW	0.9	WSW
10:00-11:00	1.8	SW	1.8	S	1.8	SW	1.8	W	1.3	WSW	1.8	SW	1.3	SW

ผลการทดสอบคุณภาพน้ำทิ้ง

Test Report

Request No : W6701185

Report No : 6701-1032

Customer : PTT Global Chemical Public Company Limited Branch 17**
Address : 7 I-1 Rd., Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150**
Sampling Source : GC17 Polyethylene Plant** Sample No : W 67010581
Sample Name : บ่อพักน้ำขนาด 3.5 ลบ.ม.บริเวณจุดปล่อยน้ำทิ้ง###** Sampling Date : 10/01/2024**
Sampling By : ETC** Sampling Time : 11:30 AM**
Sampling Method : Grab** Received Date : 11/01/2024
Tested Date : 11/01/2024 - 17/01/2024 Reported Date : 17/01/2024

Parameter	Unit	Method	Result	Standard ²	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	7.2	≤ 20	≤20
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤ 120	≤120
Color(Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤ 300	≤300
Color(pH 7.0) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤ 300	≤300
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 5	≤5
pH (on site) *		Electrometric Method	7.6	5.5-9.0	5.5-9.0
Temperature *	°C	Laboratory and Field Method	30	≤ 40	≤40

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 Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)

2. /2 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

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

SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 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. / ## บ่อพักน้ำขนาด 3.5 ลบ.ม.บริเวณจุดปล่อยน้ำทิ้งจากอาคารสำนักงานและโรงอาหาร

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-0007)

17/01/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)
(จ-003-ค-0005)

17/01/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6701185

Report No : 6701-1032

Customer : PTT Global Chemical Public Company Limited Branch 17**

Address : 7 I-1 Rd., Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150**

Sampling Source : GC17 Polyethylene Plant**

Sample No : W 67010581

Sample Name : บ่อพักน้ำขนาด 3.5 ลบ.ม.บริเวณจุดปล่อยน้ำทิ้ง***

Sampling Date : 10/01/2024**

Sampling By : ETC**

Sampling Time : 11:30 AM**

Sampling Method : Grab**

Received Date : 11/01/2024

Tested Date : 11/01/2024 - 17/01/2024

Reported Date : 17/01/2024

Parameter	Unit	Method	Result	Standard ²	Standard ¹
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	< 5	≤ 50	≤ 50

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 Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)

2. /2 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

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

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Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

17/01/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

17/01/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Customer : PTT Global Chemical Public Company Limited Branch 17**
Address : 7 I-I Rd., Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150**
Sampling Source : GC17 Polyethylene Plant** Sample No : W 67020690
Sample Name : บ่อพักน้ำขนาด 3.5 ลบ.ม.บริเวณจุดปล่อยน้ำทิ้ง### Sampling Date : 07/02/2024**
Sampling By : ETC** Sampling Time : 11:15 AM**
Sampling Method : Grab** Received Date : 08/02/2024
Tested Date : 08/02/2024 - 14/02/2024 Reported Date : 19/02/2024

Parameter	Unit	Method	Result	Standard ²	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	<2.0	≤ 20	≤20
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	47	≤ 120	≤120
Color(Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	24	≤ 300	≤300
Color(pH 7.0) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	21	≤ 300	≤300
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	<3.0	≤ 5	≤5
pH (on site) *		Electrometric Method	7.9	5.5-9.0	5.5-9.0
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	31	≤ 40	≤40

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 Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)

2. /2 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

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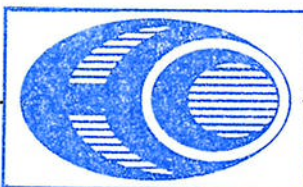
4. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

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

6. ** = These data are non laboratory data. / ## บ่อพักน้ำขนาด 3.5 ลบ.ม.บริเวณจุดปล่อยน้ำทิ้งจากอาคารสำนักงานและโรงอาหาร

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ค-0007)

19/02/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 
(Miss Nunnaphat Bakhuntod)
(จ-003-ค-0005)

19/02/2024

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

Test Report

Customer : PTT Global Chemical Public Company Limited Branch 17**
Address : 7 I-1 Rd., Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150**
Sampling Source : GC17 Polyethylene Plant**
Sample Name : บ่อพักน้ำขนาด 3.5 ลบ.ม.บริเวณจุดปล่อยน้ำทิ้ง###
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 08/02/2024 - 14/02/2024

Request No : W6702227
Report No : 6702-0862
Sample No : W 67020690
Sampling Date : 07/02/2024**
Sampling Time : 11:15 AM**
Received Date : 08/02/2024
Reported Date : 19/02/2024

Parameter	Unit	Method	Result	Standard ²	Standard ¹
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	6	≤ 50	≤50

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 Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)

2. /2 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

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Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

19/02/2024



บริษัท อีสเทิร์นไทยคอนซัลต์ 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

19/02/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Customer : PTT Global Chemical Public Company Limited Branch 17**
Address : 7 I-1 Rd., Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150**
Sampling Source : GC17 Polyethylene Plant**
Sample Name : บ่อพักน้ำขนาด 3.5 ลบ.ม.บริเวณจุดปล่อยน้ำทิ้ง###
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 07/03/2024 - 14/03/2024

Request No : W6703193
Report No : 6703-1857

Sample No : W 67030569
Sampling Date : 06/03/2024**
Sampling Time : 9:50 AM**
Received Date : 07/03/2024
Reported Date : 14/03/2024

Parameter	Unit	Method	Result	Standard ²	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	9.9	≤ 20	≤20
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤ 120	≤120
Color(Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	26	≤ 300	≤300
Color(pH 7.0) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	24	≤ 300	≤300
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 5	≤5
pH (on site) *		Electrometric Method	7.4	5.5-9.0	5.5-9.0
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	31	≤ 40	≤40

Physical Appearance : 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 Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)

2. /2 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

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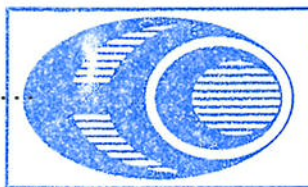
5. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ค-0017)*

6. ** = These data are non laboratory data. / ## บ่อพักน้ำขนาด 3.5 ลบ.ม.บริเวณจุดปล่อยน้ำทิ้งจากอาคารสำนักงานและโรงอาหาร

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-0007)

14/03/2024



Approved By :

(Miss Nunnaphat Bakhuntod)
(จ-003-ค-0005)

14/03/2024

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด
REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Customer : PTT Global Chemical Public Company Limited Branch 17**
Address : 7 I-1 Rd., Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150**
Sampling Source : GC17 Polyethylene Plant** Sample No : W 67030569
Sample Name : บ่อพักน้ำขนาด 3.5 ลบ.ม.บริเวณจุดปล่อยน้ำทิ้ง###** Sampling Date : 06/03/2024**
Sampling By : ETC** Sampling Time : 9:50 AM**
Sampling Method : Grab** Received Date : 07/03/2024
Tested Date : 07/03/2024 - 14/03/2024 Reported Date : 14/03/2024

Parameter	Unit	Method	Result	Standard ²	Standard ¹
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	12	≤ 50	≤ 50

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 Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)

2. /2 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

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

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Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

14/03/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

14/03/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6704128

Report No : 6704-0788

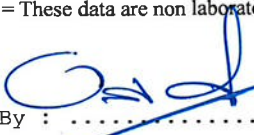
Customer : PTT Global Chemical Public Company Limited Branch 17**
Address : 7 I-1 Rd., Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150**
Sampling Source : GC17 Polyethylene Plant**
Sample Name : บ่อพักน้ำขนาด 3.5 ลบ.ม. บริเวณจุดปล่อยน้ำทิ้ง***
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 04/04/2024 - 10/04/2024

Sample No : W 67040422
Sampling Date : 03/04/2024**
Sampling Time : 10:50 AM**
Received Date : 04/04/2024
Reported Date : 10/04/2024


Parameter	Unit	Method	Result	Standard ²	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	<2.0	≤ 20	≤20
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	<40	≤ 120	≤120
Color(Original)*	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	25	≤ 300	≤300
Color(pH 7.0)*	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	22	≤ 300	≤300
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	<3.0	≤ 5	≤5
pH (on site) *		Electrometric Method	7.6	5.5-9.0	5.5-9.0
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	31	≤ 40	≤40

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 Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)
2. /2 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)
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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 (ว-003-ค-0016)*
6. ** = These data are non laboratory data. / ## บ่อพักน้ำขนาด 3.5 ลบ.ม. บริเวณจุดปล่อยน้ำทิ้งจากอาคารสำนักงานและโรงอาหาร

Examined By : 
(Miss Apiradee Chuen-arom)
(ว-003-ค-0007)
10/04/2024



Approved By : 
(Miss Nunnaphat Bakhuntod)
(ว-003-ค-0005)
10/04/2024

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Test Report

Request No : W6704128

Report No : 6704-0788

Customer : PTT Global Chemical Public Company Limited Branch 17**
Address : 7 I-1 Rd., Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150**
Sampling Source : GC17 Polyethylene Plant**
Sample Name : บ่อพักน้ำขนาด 3.5 ลบ.ม. บริเวณจุดปล่อยน้ำทิ้ง###**
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 04/04/2024 - 10/04/2024

Sample No : W 67040422
Sampling Date : 03/04/2024**
Sampling Time : 10:50 AM**
Received Date : 04/04/2024
Reported Date : 10/04/2024

Parameter	Unit	Method	Result	Standard ²	Standard ¹
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	5	≤ 50	≤50

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 Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)

2. /2 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

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SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

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Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

10/04/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

10/04/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6705209

Report No : 6705-0910

Customer : PTT Global Chemical Public Company Limited Branch 17**
Address : 7 I-I Rd., Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150**
Sampling Source : GC17 Polyethylene Plant**
Sample Name : บ่อพักน้ำขนาด 3.5 ลบ.ม. บริเวณจุดปล่อยน้ำทิ้ง***
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 09/05/2024 - 15/05/2024

Sample No : W 67050740
Sampling Date : 08/05/2024**
Sampling Time : 1:10 PM**
Received Date : 09/05/2024
Reported Date : 17/05/2024

Parameter	Unit	Method	Result	Standard ²	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	5.5	≤ 20	≤20
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤ 120	≤120
Color(Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤ 300	≤300
Color(pH 7.0) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤ 300	≤300
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 5	≤5
pH (on site) *		Electrometric Method	7.1	5.5-9.0	5.5-9.0
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	34	≤ 40	≤40

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 Industrial Effluent Standard, Notification of the Ministry of Industry , B.E. 2560 (2017)

2. /2 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

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Examined By :

(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

17/05/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(ว-003-ค-0005)

17/05/2024

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

Test Report

Customer : PTT Global Chemical Public Company Limited Branch 17**
Address : 7 I-1 Rd., Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150**
Sampling Source : GC17 Polyethylene Plant**
Sample Name : บ่อพักน้ำขนาด 3.5 ลบ.ม. บริเวณจุดปล่อยน้ำทิ้ง###
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 09/05/2024 - 15/05/2024

Sample No : W 67050740
Sampling Date : 08/05/2024**
Sampling Time : 1:10 PM**
Received Date : 09/05/2024
Reported Date : 17/05/2024

Parameter	Unit	Method	Result	Standard ²	Standard ¹
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	10	≤ 50	≤ 50

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 Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)

2. /2 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

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

SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 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. Supharerk Phatklang (1-003-ค-0031)*

6. ** = These data are non laboratory data. / ### บ่อพักน้ำขนาด 3.5 ลบ.ม. บริเวณจุดปล่อยน้ำทิ้งจากอาคารสำนักงานและโรงอาหาร

Examined By :

(Miss Apiradee Chuen-arom)

(1-003-ค-0007)

17/05/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(1-003-ค-0005)

17/05/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6706100

Report No : 6706-0635

Customer : PTT Global Chemical Public Company Limited Branch 17

Address : 7 I-I Rd., Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150

Sampling Source : GC17 Polyethylene Plant

Sample No : W 67060334

Sample Name : บ่อพักน้ำขนาด 3.5 ลบ.ม.บริเวณจุดปล่อยน้ำทิ้ง##

Sampling Date : 05/06/2024

Sampling By : ETC

Sampling Time : 10:30 AM

Sampling Method : Grab

Received Date : 06/06/2024

Tested Date : 06/06/2024 - 12/06/2024

Reported Date : 17/06/2024

Parameter	Unit	Method	Result	Standard ²	Standard ¹
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	<2.0	≤ 20	≤20
Chemical Oxygen Demand	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤ 120	≤120
Color(Original)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤ 300	≤300
Color(pH 7.0)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤ 300	≤300
Oil and Grease	mg/L	Partition-Gravimetric Method (SM:5520B)	<3.0	≤ 5	≤5
pH (on site)		Electrometric Method	6.6	5.5-9.0	5.5-9.0
Temperature	°C	Laboratory and Field Method (SM:2550 B)	32	≤ 40	≤40

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 Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)

2. /2 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

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

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

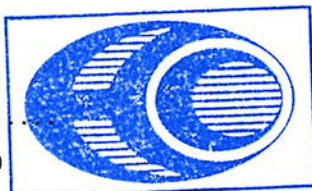
5. ## บ่อพักน้ำขนาด 3.5 ลบ.ม.บริเวณจุดปล่อยน้ำทิ้งจากอาคารสำนักงานและโรงอาหาร

Examined By : 


(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

17/06/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(ว-003-ค-0005)

17/06/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6706100

Report No : 6706-0635

Customer : PTT Global Chemical Public Company Limited Branch 17

Address : 7 I-1 Rd., Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150

Sampling Source : GC17 Polyethylene Plant

Sample No : W 67060334

Sample Name : บ่อพักน้ำขนาด 3.5 ลบ.ม.บริเวณจุดปล่อยน้ำทิ้ง##

Sampling Date : 05/06/2024

Sampling By : ETC

Sampling Time : 10:30 AM

Sampling Method : Grab

Received Date : 06/06/2024

Tested Date : 06/06/2024 - 12/06/2024

Reported Date : 17/06/2024

Parameter	Unit	Method	Result	Standard ²	Standard ¹
Total Suspended Solids	mg/L	Dried at 103-105 degree celsius (SM:2540D)	< 5	≤ 50	≤ 50

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 Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)

2. /2 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

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

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

5. ## บ่อพักน้ำขนาด 3.5 ลบ.ม.บริเวณจุดปล่อยน้ำทิ้งจากอาคารสำนักงานและโรงอาหาร

Examined By :

(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

17/06/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(ว-003-ค-0005)

17/06/2024

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Test Report

Request No : W6701185

Report No : 6701-1034

Customer : PTT Global Chemical Public Company Limited Branch 17**

Address : 7 I-1 Rd., Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150**

Sampling Source : GC17 Polyethylene Plant**

Sample No : W 67010583

Sample Name : ถังพักน้ำขนาด 8 ลบ.ม ที่รวบรวมน้ำทิ้ง***

Sampling Date : 10/01/2024**

Sampling By : ETC**

Sampling Time : 11:20 AM**

Sampling Method : Grab**

Received Date : 11/01/2024

Tested Date : 11/01/2024 - 17/01/2024

Reported Date : 17/01/2024

Parameter	Unit	Method	Result	Standard ²	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	< 2.0	≤ 20	≤ 20
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤ 120	≤ 120
Color (Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤ 300	≤ 300
Color (pH 7.0) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤ 300	≤ 300
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 5	≤ 5
pH (on site) *		Electrometric Method	8.1	5.5-9.0	5.5-9.0
Temperature *	°C	Laboratory and Field Method	30	≤ 40	≤ 40

Physical Appearance : 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 Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)

2. /2 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

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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. / ## ถังพักน้ำขนาด 8 ลบ.ม. ที่รวบรวมน้ำทิ้งจากกระบวนการตัดเม็ด

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

17/01/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

17/01/2024

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Test Report

Request No : W6701185

Report No : 6701-1034

Customer : PTT Global Chemical Public Company Limited Branch 17**
Address : 7 I-1 Rd., Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150**
Sampling Source : GC17 Polyethylene Plant**
Sample Name : ถังพักน้ำขนาด 8 ลบ.ม ที่รวบรวมน้ำทิ้ง***
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 11/01/2024 - 17/01/2024

Sample No : W 67010583
Sampling Date : 10/01/2024**
Sampling Time : 11:20 AM**
Received Date : 11/01/2024
Reported Date : 17/01/2024

Parameter	Unit	Method	Result	Standard ²	Standard ¹
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	< 5	≤ 50	≤ 50

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 Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)

2. /2 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

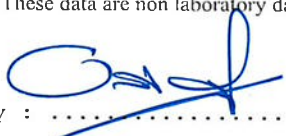
3. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

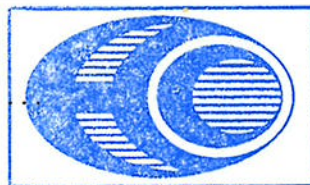
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4. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

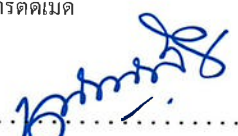
5. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (จ-003-ค-0016)*

6. ** = These data are non laboratory data. / ## ถังพักน้ำขนาด 8 ลบ.ม. ที่รวบรวมน้ำทิ้งจากกระบวนการตัดเม็ด

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ค-0007)
17/01/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 
(Miss Nunnaphat Bakhuntod)
(จ-003-ค-0005)
17/01/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report


Customer : PTT Global Chemical Public Company Limited Branch 17**
Address : 71-1 Rd., Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150**
Sampling Source : GC17 Polyethylene Plant**
Sample Name : ถังพักน้ำขนาด 8 ลบ.ม. ที่รวบรวมน้ำทิ้ง##**
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 08/02/2024 - 14/02/2024

Request No : W6702227
Report No : 6702-0864
Sample No : W 67020692
Sampling Date : 07/02/2024**
Sampling Time : 11:30 AM**
Received Date : 08/02/2024
Reported Date : 19/02/2024

Parameter	Unit	Method	Result	Standard ²	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	< 2.0	≤ 20	≤ 20
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤ 120	≤ 120
Color(Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤ 300	≤ 300
Color(pH 7.0) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤ 300	≤ 300
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 5	≤ 5
pH (on site) *		Electrometric Method	8.1	5.5-9.0	5.5-9.0
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	33	≤ 40	≤ 40


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. /1 Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)
2. /2 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)
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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. Supharerk Phatklang (1-003-ค-0031)*
6. ** = These data are non laboratory data. / ## ถังพักน้ำขนาด 8 ลบ.ม. ที่รวบรวมน้ำทิ้งจากกระบวนการตัดเม็ด

Examined By : 
(Miss Apiradee Chuen-arom)
(1-003-ค-0007)
19/02/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 
(Miss Nunnaphat Bakhuntod)
(1-003-ค-0005)
19/02/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Customer : PTT Global Chemical Public Company Limited Branch 17**
Address : 7 I-1 Rd., Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150**
Sampling Source : GC17 Polyethylene Plant**
Sample Name : ถังพักน้ำขนาด 8 ลบ.ม. ที่รวบรวมน้ำทิ้ง***
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 08/02/2024 - 14/02/2024

Request No : W6702227
Report No : 6702-0864
Sample No : W 67020692
Sampling Date : 07/02/2024**
Sampling Time : 11:30 AM**
Received Date : 08/02/2024
Reported Date : 19/02/2024

Parameter	Unit	Method	Result	Standard ²	Standard ¹
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	< 5	≤ 50	≤ 50

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. /1 Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)

2. /2 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

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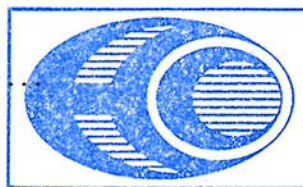
6. ** = These data are non laboratory data. / ## ถังพักน้ำขนาด 8 ลบ.ม. ที่รวบรวมน้ำทิ้งจากกระบวนการตัดเม็ด

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

19/02/2024



Approved By :

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

19/02/2024

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Test Report

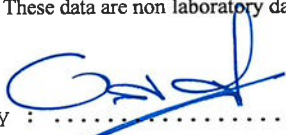
Customer : PTT Global Chemical Public Company Limited Branch 17**
Address : 7 I-1 Rd., Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150**
Sampling Source : GC17 Polyethylene Plant**
Sample Name : ถังพักน้ำขนาด 8 ลบ.ม. ที่รวบรวมน้ำทิ้ง***
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 07/03/2024 - 14/03/2024

Request No : W6703193
Report No : 6703-1858
Sample No : W 67030570
Sampling Date : 06/03/2024**
Sampling Time : 9:40 AM**
Received Date : 07/03/2024
Reported Date : 14/03/2024

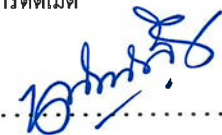
Parameter	Unit	Method	Result	Standard ²	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	< 2.0	≤ 20	≤ 20
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤ 120	≤ 120
Color(Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤ 300	≤ 300
Color(pH 7.0) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤ 300	≤ 300
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 5	≤ 5
pH (on site) *		Electrometric Method	7.5	5.5-9.0	5.5-9.0
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	29	≤ 40	≤ 40

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. /1 Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)
2. /2 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)
3. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 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. Parkpoom Buasawad (ว-003-ค-0017)*
6. ** = These data are non laboratory data. / *** ถังพักน้ำขนาด 8 ลบ.ม. ที่รวบรวมน้ำทิ้งจากกระบวนการตัดเม็ด

Examined By : 
(Miss Apiradee Chuen-arom)
(ว-003-ค-0007)
14/03/2024



Approved By : 
(Miss Nunnaphat Bakhuntod)
(ว-003-ค-0005)
14/03/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Customer : PTT Global Chemical Public Company Limited Branch 17**
Address : 7 I-1 Rd., Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150**
Sampling Source : GC17 Polyethylene Plant**
Sample Name : ถังพักน้ำขนาด 8 ลบ.ม. ที่รวบรวมน้ำทิ้ง***
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 07/03/2024 - 14/03/2024

Request No : W6703193
Report No : 6703-1858
Sample No : W 67030570
Sampling Date : 06/03/2024**
Sampling Time : 9:40 AM**
Received Date : 07/03/2024
Reported Date : 14/03/2024

Parameter	Unit	Method	Result	Standard ²	Standard ¹
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	< 5	≤ 50	≤ 50

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. /1 Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)

2. /2 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

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

SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 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. Parkpoom Buasawad (จ-003-ค-0017)*

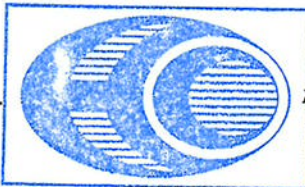
6. ** = These data are non laboratory data. / ## ถังพักน้ำขนาด 8 ลบ.ม. ที่รวบรวมน้ำทิ้งจากกระบวนการตัดเม็ด

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

14/03/2024



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

14/03/2024

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WITHOUT THE WRITTEN APPROVAL LABORATORY

Test Report

Customer : PTT Global Chemical Public Company Limited Branch 17**
Address : 7 I-I Rd., Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150**
Sampling Source : GC17 Polyethylene Plant**
Sample Name : ถังพักน้ำขนาด 8 ลบ.ม. ที่รวบรวมน้ำทิ้ง***
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 04/04/2024 - 10/04/2024

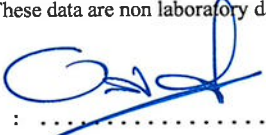
Request No : W6704128
Report No : 6704-0789

Sample No : W 67040423
Sampling Date : 03/04/2024**
Sampling Time : 11:05 AM**
Received Date : 04/04/2024
Reported Date : 10/04/2024

Parameter	Unit	Method	Result	Standard ²	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	< 2.0	≤ 20	≤ 20
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤ 120	≤ 120
Color(Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤ 300	≤ 300
Color(pH 7.0) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤ 300	≤ 300
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 5	≤ 5
pH (on site) *		Electrometric Method	7.6	5.5-9.0	5.5-9.0
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	30	≤ 40	≤ 40

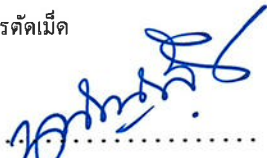
Physical Apperance : 1. Sample : yellowish, lightly SS
2. Container : Normal [PE 0.5 L, PE 1.0 L, PE 1.8 L, G 1.0 L]

- Remark : 1. /1 Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)
2. /2 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)
3. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 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. / ## ถังพักน้ำขนาด 8 ลบ.ม. ที่รวบรวมน้ำทิ้งจากกระบวนการตัดเม็ด

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ค-0007)
10/04/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 
(Miss Nunnaphat Bakhuntod)
(จ-003-ค-0005)
10/04/2024

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

Test Report

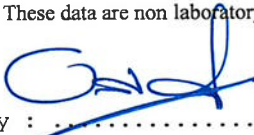
Customer : PTT Global Chemical Public Company Limited Branch 17**
Address : 7 I-1 Rd., Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150**
Sampling Source : GC17 Polyethylene Plant**
Sample Name : ถังพักน้ำขนาด 8 ลบ.ม. ที่รวบรวมน้ำทิ้ง***
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 04/04/2024 - 10/04/2024

Request No : W6704128
Report No : 6704-0789
Sample No : W 67040423
Sampling Date : 03/04/2024**
Sampling Time : 11:05 AM**
Received Date : 04/04/2024
Reported Date : 10/04/2024

Parameter	Unit	Method	Result	Standard ²	Standard ¹
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	< 5	≤ 50	≤ 50

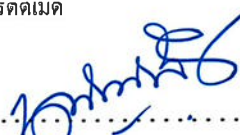
Physical Appearance : 1. Sample : yellowish, lightly SS
2. Container : Normal [PE 0.5 L, PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Industrial Effluent Standard, Notification of the Ministry of Industry , B.E. 2560 (2017)
2. /2 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)
3. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 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. / ## ถังพักน้ำขนาด 8 ลบ.ม. ที่รวบรวมน้ำทิ้งจากกระบวนการตัดเม็ด

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ค-0007)
10/04/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 
(Miss Nunnaphat Bakhuntod)
(จ-003-ค-0005)
10/04/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report


Customer : PTT Global Chemical Public Company Limited Branch 17**
Address : 7 I-I Rd., Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150**
Sampling Source : GC17 Polyethylene Plant**
Sample Name : ถังพักน้ำขนาด 8 ลบ.ม. ที่รวบรวมน้ำทิ้ง###**
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 09/05/2024 - 15/05/2024

Request No : W6705209
Report No : 6705-0911
Sample No : W 67050741
Sampling Date : 08/05/2024**
Sampling Time : 1:20 PM**
Received Date : 09/05/2024
Reported Date : 17/05/2024

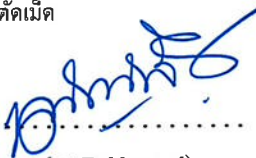
Parameter	Unit	Method	Result	Standard ²	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	6.4	≤ 20	≤20
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤ 120	≤120
Color(Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	24	≤ 300	≤300
Color(pH 7.0) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	26	≤ 300	≤300
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 5	≤5
pH (on site) *		Electrometric Method	7.3	5.5-9.0	5.5-9.0
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	33	≤ 40	≤40

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 Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)
2. /2 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)
3. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 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. Supharerk Phatklang (ว-003-ค-0031)*
6. ** = These data are non laboratory data. / ## ถังพักน้ำขนาด 8 ลบ.ม. ที่รวบรวมน้ำทิ้งจากกระบวนการตัดเม็ด

Examined By : 
(Miss Apiradee Chuen-arom)
(ว-003-ค-0007)
17/05/2024



Approved By : 
(Miss Nunnaphat Bakhuntod)
(ว-003-ค-0005)
17/05/2024

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

Test Report

Customer : PTT Global Chemical Public Company Limited Branch 17**
Address : 7 I-1 Rd., Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150**
Sampling Source : GC17 Polyethylene Plant**
Sample Name : ถังพักน้ำขนาด 8 ลบ.ม. ที่รวบรวมน้ำทิ้ง###**
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 09/05/2024 - 15/05/2024

Request No : W6705209
Report No : 6705-0911
Sample No : W 67050741
Sampling Date : 08/05/2024**
Sampling Time : 1:20 PM**
Received Date : 09/05/2024
Reported Date : 17/05/2024

Parameter	Unit	Method	Result	Standard ^{/2}	Standard ^{/1}
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	< 5	≤ 50	≤ 50

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 Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)

2. /2 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

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

SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 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. Supharerk Phatklang (ว-003-ค-0031)*

6. ** = These data are non laboratory data. / ## ถังพักน้ำขนาด 8 ลบ.ม. ที่รวบรวมน้ำทิ้งจากกระบวนการตัดเม็ด

Examined By :

(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

17/05/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(ว-003-ค-0005)

17/05/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6706100

Report No : 6706-0636

Customer : PTT Global Chemical Public Company Limited Branch 17

Address : 7 I-I Rd., Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150

Sampling Source : GC17 Polyethylene Plant

Sample No : W 67060335

Sample Name : ถังพักน้ำขนาด 8 ลบ.ม. ที่รวบรวมน้ำทิ้ง##

Sampling Date : 05/06/2024

Sampling By : ETC

Sampling Time : 10:50 AM

Sampling Method : Grab

Received Date : 06/06/2024

Tested Date : 06/06/2024 - 12/06/2024

Reported Date : 17/06/2024

Parameter	Unit	Method	Result	Standard ²	Standard ¹
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	< 2.0	≤ 20	≤ 20
Chemical Oxygen Demand	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤ 120	≤ 120
Color (Original)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤ 300	≤ 300
Color (pH 7.0)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤ 300	≤ 300
Oil and Grease	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 5	≤ 5
pH (on site)		Electrometric Method	7.3	5.5-9.0	5.5-9.0
Temperature	°C	Laboratory and Field Method (SM:2550 B)	33	≤ 40	≤ 40

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 Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)

2. /2 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

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

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

5. ## ถังพักน้ำขนาด 8 ลบ.ม. ที่รวบรวมน้ำทิ้งจากกระบวนการตัดเม็ด

Examined By :

(Miss Apiradee Chuen-arom)
(ว-003-ค-0007)

17/06/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)
(ว-003-ค-0005)

17/06/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Customer : PTT Global Chemical Public Company Limited Branch 17

Address : 7 I-I Rd., Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150

Sampling Source : GC17 Polyethylene Plant

Sample No : W 67060335

Sample Name : ถังพักน้ำขนาด 8 ลบ.ม. ที่รวบรวมน้ำทิ้ง##

Sampling Date : 05/06/2024

Sampling By : ETC

Sampling Time : 10:50 AM

Sampling Method : Grab

Received Date : 06/06/2024

Tested Date : 06/06/2024 - 12/06/2024

Reported Date : 17/06/2024

Parameter	Unit	Method	Result	Standard ²	Standard ¹
Total Suspended Solids	mg/L	Dried at 103-105 degree celsius (SM:2540D)	< 5	≤ 50	≤ 50

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 Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)

2. /2 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

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

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

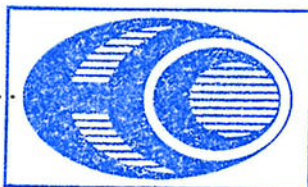
5. ## ถังพักน้ำขนาด 8 ลบ.ม. ที่รวบรวมน้ำทิ้งจากกระบวนการตัดเม็ด

Examined By :

(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

17/06/2024



Approved By :

(Miss Nunnaphat Bakhuntod)

(ว-003-ค-0005)

17/06/2024

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด
REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6701485

Report No : 6702-0010

Customer : PTT Global Chemical Public Company Limited Branch 17**

Address : 7 I-1 Rd., Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150**

Sampling Source : GC17 Polystyrene Plant**

Sample No : W 67011509

Sample Name : ถังพักน้ำขนาด 12 ลบ.ม ที่รวบรวมน้ำระบายทิ้ง***

Sampling Date : 24/01/2024**

Sampling By : ETC**

Sampling Time : 10:35 AM**

Sampling Method : Grab**

Received Date : 25/01/2024

Tested Date : 25/01/2024 - 30/01/2024

Reported Date : 01/02/2024

Parameter	Unit	Method	Result	Standard ²	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	< 2.0	≤ 20	≤ 20
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤ 120	≤ 120
Color(Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	23	≤ 300	≤ 300
Color(pH 7.0) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	20	≤ 300	≤ 300
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 5	≤ 5
pH (on site) *		Electrometric Method	7.5	5.5-9.0	5.5-9.0
Temperature *	°C	Laboratory and Field Method	30	≤ 40	≤ 40

Physical Appearance : 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 Industrial Effluent Standard, Notification of the Ministry of Industry, B.E. 2560 (2017)

2. /2 Notification of the Ministry of Natural Resources and Environmental, B.E. 2559 (2016)

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

SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 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 Phiwan (จ-003-ค-0016)*

6. ## ถังพักน้ำขนาด 12 ลบ.ม ที่รวบรวมน้ำระบายทิ้งจากกระบวนการหล่อเย็น บริเวณจุด Line Sampling Point

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

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

01/02/2024



Approved By :

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

01/02/2024

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Customer : PTT Global Chemical Public Company Limited Branch 17**
Address : 7 I-1 Rd., Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150**
Sampling Source : GC17 Polystyrene Plant**
Sample Name : ถังพักน้ำขนาด 12 ลบ.ม ที่รวบรวมน้ำระบายทิ้ง***
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 25/01/2024 - 30/01/2024

Request No : W6701485
Report No : 6702-0010
Sample No : W 67011509
Sampling Date : 24/01/2024**
Sampling Time : 10:35 AM**
Received Date : 25/01/2024
Reported Date : 01/02/2024

Parameter	Unit	Method	Result	Standard ²	Standard ¹
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	< 5	≤ 50	≤ 50

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 Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)

2. /2 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

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

SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

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

6. ## ถังพักน้ำขนาด 12 ลบ.ม ที่รวบรวมน้ำระบายทิ้งจากกระบวนการผลิต บริเวณจุด Line Sampling Point

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

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-0007)
01/02/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)
(จ-003-ค-0005)
01/02/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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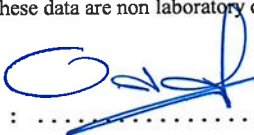
Test Report

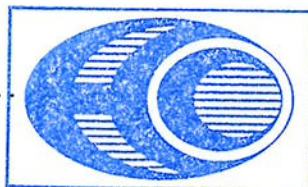
Customer : PTT Global Chemical Public Company Limited Branch 17**
Address : 7 I-1 Rd., Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150**
Sampling Source : GC17 Polyethylene Plant** Sample No : W 67020693
Sample Name : ถังพักน้ำขนาด 12 ลบ.ม. ที่รวบรวมน้ำระบายทิ้ง*** Sampling Date : 07/02/2024**
Sampling By : ETC** Sampling Time : 11:25 AM**
Sampling Method : Grab** Received Date : 08/02/2024
Tested Date : 08/02/2024 - 14/02/2024 Reported Date : 19/02/2024


Parameter	Unit	Method	Result	Standard ²	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	4.0	≤ 20	≤20
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	41	≤ 120	≤120
Color(Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤ 300	≤300
Color(pH 7.0) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤ 300	≤300
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 5	≤5
pH (on site) *		Electrometric Method	8.3	5.5-9.0	5.5-9.0
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	30	≤ 40	≤40

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 Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)
2. /2 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)
3. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 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. Supharerk Phatklang (จ-003-ค-0031)*
6. ** = These data are non laboratory data. / ## ถังพักน้ำขนาด 12 ลบ.ม. ที่รวบรวมน้ำระบายทิ้งจากระบบหล่อเย็น

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ค-0007)
19/02/2024



Approved By : 
(Miss Nunnaphat Bakhuntod)
(จ-003-ค-0005)
19/02/2024

บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด
REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
WITHOUT THE WRITTEN APPROVAL LABORATORY

Test Report

Customer : PTT Global Chemical Public Company Limited Branch 17**
Address : 7 I-1 Rd., Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150**
Sampling Source : GC17 Polyethylene Plant** Sample No : W 67020693
Sample Name : ถังพักน้ำขนาด 12 ลบ.ม. ที่รวบรวมน้ำระบายทิ้ง*** Sampling Date : 07/02/2024**
Sampling By : ETC** Sampling Time : 11:25 AM**
Sampling Method : Grab** Received Date : 08/02/2024
Tested Date : 08/02/2024 - 14/02/2024 Reported Date : 19/02/2024

Parameter	Unit	Method	Result	Standard ²	Standard ¹
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	< 5	≤ 50	≤ 50

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 Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)

2. /2 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

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

SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 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. Supharerk Phatklang (1-003-ค-0031)*

6. ** = These data are non laboratory data. / ## ถังพักน้ำขนาด 12 ลบ.ม. ที่รวบรวมน้ำระบายทิ้งจากระบบหล่อเย็น

Examined By :

(Miss Apiradee Chuen-arom)

(1-003-ค-0007)

19/02/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(1-003-ค-0005)

19/02/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
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Test Report

Customer : PTT Global Chemical Public Company Limited Branch 17**
Address : 7 I-1 Rd., Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150**
Sampling Source : GC17 Polyethylene Plant**
Sample Name : ถังพักน้ำขนาด 12 ลบ.ม. ที่รวบรวมน้ำระบายทิ้ง***
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 07/03/2024 - 13/03/2024

Request No : W6703193
Report No : 6703-1859

Sample No : W 67030571
Sampling Date : 06/03/2024**
Sampling Time : 9:30 AM**
Received Date : 07/03/2024
Reported Date : 14/03/2024

Parameter	Unit	Method	Result	Standard ²	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	7.1	≤ 20	≤20
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤ 120	≤120
Color(Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤ 300	≤300
Color(pH 7.0) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤ 300	≤300
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 5	≤5
pH (on site) *		Electrometric Method	8.0	5.5-9.0	5.5-9.0
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	31	≤ 40	≤40

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. /1 Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)

2. /2 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

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

SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

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

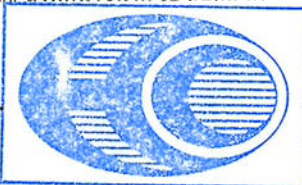
5. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (ว-003-ก-0017)*

6. ** = These data are non laboratory data. / ## ถังพักน้ำขนาด 12 ลบ.ม. ที่รวบรวมน้ำระบายทิ้งจากระบบหล่อเย็น

Examined By :

(Miss Apiradee Chuen-arom)
(ว-003-ก-0007)

14/03/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)
(ว-003-ก-0005)

14/03/2024

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

Test Report

Customer : PTT Global Chemical Public Company Limited Branch 17**
Address : 7 I-1 Rd., Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150**
Sampling Source : GC17 Polyethylene Plant** Sample No : W 67030571
Sample Name : ถังพักน้ำขนาด 12 ลบ.ม. ที่รวบรวมน้ำระบายทิ้ง*** Sampling Date : 06/03/2024**
Sampling By : ETC** Sampling Time : 9:30 AM**
Sampling Method : Grab** Received Date : 07/03/2024
Tested Date : 07/03/2024 - 13/03/2024 Reported Date : 14/03/2024

Parameter	Unit	Method	Result	Standard ²	Standard ¹
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	15	≤ 50	≤ 50

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. /1 Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)

2. /2 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

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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. Parkpoom Buasawad (จ-003-ค-0017)*

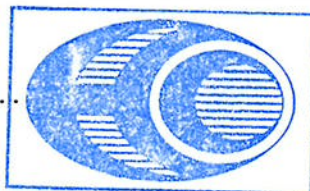
6. ** = These data are non laboratory data. / ## ถังพักน้ำขนาด 12 ลบ.ม. ที่รวบรวมน้ำระบายทิ้งจากระบบหล่อเย็น

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

14/03/2024



Approved By :

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

14/03/2024

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด
REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
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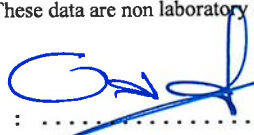
Test Report

Customer : PTT Global Chemical Public Company Limited Branch 17**
Address : 7 I-1 Rd., Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150**
Sampling Source : GC17 Polyethylene Plant** Sample No : W 67040424
Sample Name : ถังพักน้ำขนาด 12 ลบ.ม. ที่รวบรวมน้ำระบายทิ้ง*** Sampling Date : 03/04/2024**
Sampling By : ETC** Sampling Time : 11:00 AM**
Sampling Method : Grab** Received Date : 04/04/2024
Tested Date : 04/04/2024 - 10/04/2024 Reported Date : 10/04/2024

Parameter	Unit	Method	Result	Standard ²	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	6.4	≤ 20	≤20
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	49	≤ 120	≤120
Color(Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤ 300	≤300
Color(pH 7.0) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤ 300	≤300
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 5	≤5
pH (on site) *		Electrometric Method	7.8	5.5-9.0	5.5-9.0
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	30	≤ 40	≤40

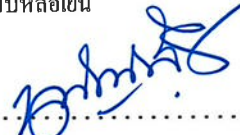
Physical Apperance : 1. Sample : yellowish, lightly SS
2. Container : Normal [PE 0.5 L, PE 1.0 L, PE 1.8 L, G 1.0 L]

- Remark : 1. /1 Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)
2. /2 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)
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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 / ## ถังพักน้ำขนาด 12 ลบ.ม. ที่รวบรวมน้ำระบายทิ้งจากระบบหล่อเย็น

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ค-0007)
10/04/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 
(Miss Nunnaphat Bakhuntod)
(จ-003-ค-0005)
10/04/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Customer : PTT Global Chemical Public Company Limited Branch 17**
Address : 7 I-1 Rd., Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150**
Sampling Source : GC17 Polyethylene Plant** Sample No : W 67040424
Sample Name : ถังพักน้ำขนาด 12 ลบ.ม. ที่รวบรวมน้ำระบายทิ้ง### Sampling Date : 03/04/2024**
Sampling By : ETC** Sampling Time : 11:00 AM**
Sampling Method : Grab** Received Date : 04/04/2024
Tested Date : 04/04/2024 - 10/04/2024 Reported Date : 10/04/2024

Parameter	Unit	Method	Result	Standard ²	Standard ¹
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	15	≤ 50	≤50

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 Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)

2. /2 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

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SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

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6. ** = These data are non laboratory data. / ## ถังพักน้ำขนาด 12 ลบ.ม. ที่รวบรวมน้ำระบายทิ้งจากระบบหล่อเย็น

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

10/04/2024



Approved By :

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

10/04/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

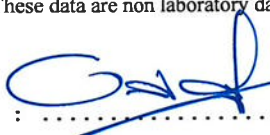
Customer : PTT Global Chemical Public Company Limited Branch 17**
Address : 7 I-1 Rd., Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150**
Sampling Source : GC17 Polyethylene Plant**
Sample Name : ถังพักน้ำขนาด 12 ลบ.ม ที่รวบรวมน้ำระบายทิ้ง###
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 09/05/2024 - 14/05/2024

Request No : W6705209
Report No : 6705-0912
Sample No : W 67050742
Sampling Date : 08/05/2024**
Sampling Time : 1:15 PM**
Received Date : 09/05/2024
Reported Date : 17/05/2024


Parameter	Unit	Method	Result	Standard ²	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	<2.0	≤ 20	≤20
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	50	≤ 120	≤120
Color(Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤ 300	≤300
Color(pH 7.0) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤ 300	≤300
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 5	≤5
pH (on site) *		Electrometric Method	7.4	5.5-9.0	5.5-9.0
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	30	≤ 40	≤40

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 Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)
2. /2 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)
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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. Supharerk Phatklang (จ-003-ค-0031)*
6. ** = These data are non laboratory data. ## ถังพักน้ำขนาด 12 ลบ.ม. ที่รวบรวมน้ำระบายทิ้งจากระบบหล่อเย็น

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ค-0007)
17/05/2024



Approved By : 
(Miss Nunnaphat Bakhuntod)
(จ-003-ค-0005)
17/05/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Customer : PTT Global Chemical Public Company Limited Branch 17**
Address : 7 I-1 Rd., Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150**
Sampling Source : GC17 Polyethylene Plant** Sample No : W 67050742
Sample Name : ถังพักน้ำขนาด 12 ลบ.ม ที่รวบรวมน้ำระบายทิ้ง### Sampling Date : 08/05/2024**
Sampling By : ETC** Sampling Time : 1:15 PM**
Sampling Method : Grab** Received Date : 09/05/2024
Tested Date : 09/05/2024 - 14/05/2024 Reported Date : 17/05/2024

Parameter	Unit	Method	Result	Standard ²	Standard ¹
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	24	≤ 50	≤ 50

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 Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)

2. /2 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

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

SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

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

6. ** = These data are non laboratory data. / ## ถังพักน้ำขนาด 12 ลบ.ม. ที่รวบรวมน้ำระบายทิ้งจากระบบหล่อเย็น

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

17/05/2024



Approved By :

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

17/05/2024

REPORTED TEST RESULTS ARE VALID FOR SAMPLES ONLY
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Test Report

Request No : W6706100

Report No : 6706-0637

Customer : PTT Global Chemical Public Company Limited Branch 17

Address : 7 I-1 Rd., Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150

Sampling Source : GC17 Polyethylene Plant

Sample No : W 67060336

Sample Name : ถังพักน้ำขนาด 12 ลบ.ม ที่รวบรวมน้ำระบายทิ้ง##

Sampling Date : 05/06/2024

Sampling By : ETC

Sampling Time : 10:40 AM

Sampling Method : Grab

Received Date : 06/06/2024

Tested Date : 06/06/2024 - 12/06/2024

Reported Date : 17/06/2024

Parameter	Unit	Method	Result	Standard ²	Standard ¹
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	6.0	≤ 20	≤20
Chemical Oxygen Demand	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	54	≤ 120	≤120
Color(Original)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤ 300	≤300
Color(pH 7.0)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤ 300	≤300
Oil and Grease	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 5	≤5
pH (on site)		Electrometric Method	7.2	5.5-9.0	5.5-9.0
Temperature	°C	Laboratory and Field Method (SM:2550 B)	33	≤ 40	≤40

Physical Appearance : 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 Industrial Effluent Standard, Notification of the Ministry of Industry, B.E. 2560 (2017)

2./2 Notification of the Ministry of Natural Resources and Environmental, B.E. 2559 (2016)

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

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

5. ## ถังพักน้ำขนาด 12 ลบ.ม. ที่รวบรวมน้ำระบายทิ้งจากระบบหล่อเย็น

Examined By :

(Miss Apiradee Chuen-arom)
(ว-003-ค-0007)

17/06/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)
(ว-003-ค-0005)

17/06/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
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Test Report

Request No : W6706100

Report No : 6706-0637

Customer : PTT Global Chemical Public Company Limited Branch 17

Address : 7 I-1 Rd., Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150

Sampling Source : GC17 Polyethylene Plant

Sample No : W 67060336

Sample Name : ถังพักน้ำขนาด 12 ลบ.ม ที่รวบรวมน้ำระบายทิ้ง##

Sampling Date : 05/06/2024

Sampling By : ETC

Sampling Time : 10:40 AM

Sampling Method : Grab

Received Date : 06/06/2024

Tested Date : 06/06/2024 - 12/06/2024

Reported Date : 17/06/2024

Parameter	Unit	Method	Result	Standard ²	Standard ¹
Total Suspended Solids	mg/L	Dried at 103-105 degree celsius (SM:2540D)	17	≤ 50	≤ 50

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 Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)

2. /2 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

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

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

5. ## ถังพักน้ำขนาด 12 ลบ.ม. ที่รวบรวมน้ำระบายทิ้งจากระบบหล่อเย็น

Examined By :

(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

17/06/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(ว-003-ค-0005)

17/06/2024

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

Test Report

Customer : PTT Global Chemical Public Company Limited Branch 17**
Address : 7 I-1 Rd., Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150**
Sampling Source : GC17 Polystyrene Plant** Sample No : W 67030390
Sample Name : ถังพักน้ำขนาด 150 ลบ.ม. ที่รวบรวมน้ำฝนปนเปื้อน** Sampling Date : 05/03/2024**
Sampling By : ETC** Sampling Time : 1:30 PM**
Sampling Method : Grab** Received Date : 06/03/2024
Tested Date : 06/03/2024 - 12/03/2024 Reported Date : 12/03/2024

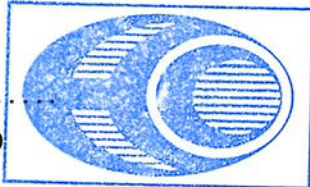
Parameter	Unit	Method	Result	Standard ²	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	2.5	≤ 20	≤20
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤ 120	≤120
Color(Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	22	≤ 300	≤300
Color(pH 7.0) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	24	≤ 300	≤300
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 5	≤5
pH (on site) *		Electrometric Method	6.8	5.5-9.0	5.5-9.0
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	34	≤ 40	≤40

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 Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)
2. /2 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)
3. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 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 Miss Janthanee Saiphan (จ-003-ก-0018)*
6. ** = These data are non laboratory data.

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ก-0007)
12/03/2024



Approved By :

(Miss Nunnaphat Bakhuntod)
(จ-003-ก-0005)
12/03/2024

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด
REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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WITHOUT THE WRITTEN APPROVAL LABORATORY

Test Report

Customer : PTT Global Chemical Public Company Limited Branch 17**
Address : 7 I-1 Rd., Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150**
Sampling Source : GC17 Polystyrene Plant** Sample No : W 67030390
Sample Name : ถึงพักน้ำขนาด 150 ลบ.ม. ที่รวบรวมน้ำฝนปนเปื้อน** Sampling Date : 05/03/2024**
Sampling By : ETC** Sampling Time : 1:30 PM**
Sampling Method : Grab** Received Date : 06/03/2024
Tested Date : 06/03/2024 - 12/03/2024 Reported Date : 12/03/2024

Parameter	Unit	Method	Result	Standard ²	Standard ¹
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	< 5	≤ 50	≤ 50

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 Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)

2. /2 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

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

SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 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 Miss Janthanee Saiphan (จ-003-ท-0018)*

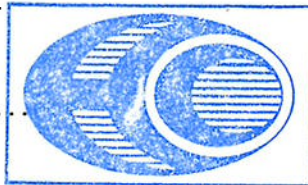
6. ** = These data are non laboratory data.

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ท-0007)

12/03/2024



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Approved By :

(Miss Nunnaphat Bakhuntod)

(จ-003-ท-0005)

12/03/2024

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Test Report

Request No : W6705652

Report No : 6706-0425

Customer : PTT Global Chemical Public Company Limited Branch 17

Address : 7 I-1 Rd., Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150

Sampling Source : GC17 Polystyrene Plant

Sample No : W 67052031

Sample Name : ถังพักน้ำขนาด 150 ลบ.ม. ที่รวบรวมน้ำฝนปนเปื้อน## Sampling Date : 29/05/2024

Sampling By : ETC

Sampling Time : 8:45 AM

Sampling Method : Grab

Received Date : 30/05/2024

Tested Date : 30/05/2024 - 06/06/2024

Reported Date : 06/06/2024

Parameter	Unit	Method	Result	Standard ²	Standard ¹
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	<2.0	≤ 20	≤20
Chemical Oxygen Demand	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	<40	≤ 120	≤120
Color(Original)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	<20	≤ 300	≤300
Color(pH 7.0)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	<20	≤ 300	≤300
Oil and Grease	mg/L	Partition-Gravimetric Method (SM:5520B)	<3.0	≤ 5	≤5
pH (on site)		Electrometric Method	6.4	5.5-9.0	5.5-9.0
Temperature	°C	Laboratory and Field Method (SM:2550 B)	33	≤ 40	≤40

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 Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)

2. /2 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

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

4. ## ถังพักน้ำขนาด 150 ลบ.ม. ที่รวบรวมน้ำฝนปนเปื้อน จุดที่ 1

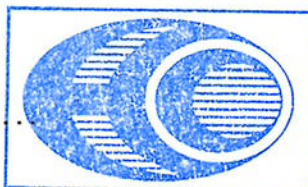
5. Sampling By Mr. Songpon Phiwan (ว-003-ค-0016)

Examined By :

(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

06/06/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(ว-003-ค-0005)

06/06/2024

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Test Report

Request No : W6705652

Report No : 6706-0425

Customer : PTT Global Chemical Public Company Limited Branch 17

Address : 7 I-1 Rd., Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150

Sampling Source : GC17 Polystyrene Plant

Sample No : W 67052031

Sample Name : ถังพักน้ำขนาด 150 ลบ.ม. ที่รวบรวมน้ำฝนปนเปื้อน## Sampling Date : 29/05/2024

Sampling By : ETC

Sampling Time : 8:45 AM

Sampling Method : Grab

Received Date : 30/05/2024

Tested Date : 30/05/2024 - 06/06/2024

Reported Date : 06/06/2024

Parameter	Unit	Method	Result	Standard ²	Standard ¹
Total Suspended Solids	mg/L	Dried at 103-105 degree celsius (SM:2540D)	5	≤ 50	≤ 50

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 Industrial Effluent Standard, Notification of the Ministry of Industry , B.E. 2560 (2017)

2. /2 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

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

4. ## ถังพักน้ำขนาด 150 ลบ.ม. ที่รวบรวมน้ำฝนปนเปื้อน จุดที่ 1

5. Sampling By Mr. Songpon Phiwan (ว-003-ค-0016)

Examined By :

(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

06/06/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(ว-003-ค-0005)

06/06/2024

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

Routine: Analysis Report for TSCL (Environment)

Table: SCL-Effluent from Water Cutter Process 2T-206

Sampling Date: 12 Jul 2024

Sampling Point	Sample Name (Description)	Sample (Status) Request ID	Paramete	Ethylbenzene	Styrene
			Unit	mg/L	mg/L
			Test Method	US EPA, SW-846 Method 5000-1996 and Method 8015D-2033	US EPA, SW-846 Method 5000-1996 and Method 8015D-2033
Specifications: SCL-Effluent from Water Cutter Process			Report	Report	Report
SCL-Cutter water 2T-206	Cutter water 2T-206	2401019410	10-Jan-2024 20:00	<1	<1
	(SCL-Effluent from Water Cutter Process 2T-206 (1/W ; Mon))	(Completed)			
	Note: Customer: %SM%EB	I-UTY-2401-001019			
SCL-Cutter water 2T-206	SCL-Effluent from Water Cutter Process 2T-206	2401025118	15-Jan-2024 08:00	<1	<1
	(SCL-Effluent from Water Cutter Process 2T-206 (1/W ; Mon))	(Completed)			
SCL-Cutter water 2T-206	SCL-Effluent from Water Cutter Process 2T-206	2401038511	23-Jan-2024 08:00	<1	<1
	(SCL-Effluent from Water Cutter Process 2T-206 (1/W ; Mon))	(Completed)			
SCL-Cutter water 2T-206	SCL-Effluent from Water Cutter Process 2T-206	2401051333	29-Jan-2024 08:00	<1	<1
	(SCL-Effluent from Water Cutter Process 2T-206 (1/W ; Mon))	(Completed)			
SCL-Cutter water 2T-206	SCL-Effluent from Water Cutter Process 2T-206	2402007480	05-Feb-2024 08:00	<1	<1
	(SCL-Effluent from Water Cutter Process 2T-206 (1/W ; Mon))	(Completed)			
SCL-Cutter water 2T-206	SCL-Effluent from Water Cutter Process 2T-206	2402019776	12-Feb-2024 08:00	<1	<1
	(SCL-Effluent from Water Cutter Process 2T-206 (1/W ; Mon))	(Completed)			
SCL-Cutter water 2T-206	SCL-Effluent from Water Cutter Process 2T-206	2402031906	19-Feb-2024 08:00	<1	<1
	(SCL-Effluent from Water Cutter Process 2T-206 (1/W ; Mon))	(Completed)			
SCL-Cutter water 2T-206	SCL-Effluent from Water Cutter Process 2T-206	2402044332	26-Feb-2024 08:00	<1	<1
	(SCL-Effluent from Water Cutter Process 2T-206 (1/W ; Mon))	(Completed)			
SCL-Cutter water 2T-206	SCL-Effluent from Water Cutter Process 2T-206	2403006269	04-Mar-2024 08:00	<1	<1
	(SCL-Effluent from Water Cutter Process 2T-206 (1/W ; Mon))	(Completed)			
SCL-Cutter water 2T-206	SCL-Effluent from Water Cutter Process 2T-206	2403019125	11-Mar-2024 08:00	<1	<1
	(SCL-Effluent from Water Cutter Process 2T-206 (1/W ; Mon))	(Completed)			
SCL-Cutter water 2T-206	SCL-Effluent from Water Cutter Process 2T-206	2403031438	18-Mar-2024 08:00	<1	<1
	(SCL-Effluent from Water Cutter Process 2T-206 (1/W ; Mon))	(Completed)			
SCL-Cutter water 2T-206	SCL-Effluent from Water Cutter Process 2T-206	2403044005	25-Mar-2024 08:00	<1	<1
	(SCL-Effluent from Water Cutter Process 2T-206 (1/W ; Mon))	(Completed)			
SCL-Cutter water 2T-206	SCL-Effluent from Water Cutter Process 2T-206	2404000691	01-Apr-2024 08:00	<1	<1
	(SCL-Effluent from Water Cutter Process 2T-206 (1/W ; Mon))	(Completed)			
SCL-Cutter water 2T-206	SCL-Effluent from Water Cutter Process 2T-206	2404014026	08-Apr-2024 08:00	<1	<1
	(SCL-Effluent from Water Cutter Process 2T-206 (1/W ; Mon))	(Completed)			
SCL-Cutter water 2T-206	SCL-Effluent from Water Cutter Process 2T-206	2404039380	22-Apr-2024 08:00	<1	<1
	(SCL-Effluent from Water Cutter Process 2T-206 (1/W ; Mon))	(Completed)			
SCL-Cutter water 2T-206	SCL-Effluent from Water Cutter Process 2T-206	2404052288	30-Apr-2024 08:00	<1	<1
	(SCL-Effluent from Water Cutter Process 2T-206 (1/W ; Mon))	(Completed)			
SCL-Cutter water 2T-206	SCL-Effluent from Water Cutter Process 2T-206	2405009732	07-May-2024 08:00	<1	<1
	(SCL-Effluent from Water Cutter Process 2T-206 (1/W ; Mon))	(Completed)			
SCL-Cutter water 2T-206	SCL-Effluent from Water Cutter Process 2T-206	2405022426	13-May-2024 08:00	<1	<1
	(SCL-Effluent from Water Cutter Process 2T-206 (1/W ; Mon))	(Completed)			
SCL-Cutter water 2T-206	SCL-Effluent from Water Cutter Process 2T-206	2405035357	20-May-2024 08:00	<1	<1
	(SCL-Effluent from Water Cutter Process 2T-206 (1/W ; Mon))	(Completed)			
SCL-Cutter water 2T-206	SCL-Effluent from Water Cutter Process 2T-206	2406016567	10-Jun-2024 08:00	<1	<1
	(SCL-Effluent from Water Cutter Process 2T-206 (1/W ; Mon))	(Completed)			
SCL-Cutter water 2T-206	SCL-Effluent from Water Cutter Process 2T-206	2406029420	17-Jun-2024 08:00	<1	<1
	(SCL-Effluent from Water Cutter Process 2T-206 (1/W ; Mon))	(Completed)			
SCL-Cutter water 2T-206	SCL-Effluent from Water Cutter Process 2T-206	2406042508	24-Jun-2024 08:00	<1	<1
	(SCL-Effluent from Water Cutter Process 2T-206 (1/W ; Mon))	(Completed)			

ผลการตรวจวัดระดับเสียงโดยทั่วไป

Request No. LA67-R0474

Report No. R6704-2957

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
SAMPLE SOURCE : GC17 Polystyrene 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 00310456 : Class 2

SAMPLE NO. : 08907
MEASURING DATE : 03-04/04/2024
RECEIVED DATE : 10/04/2024
REPORTED DATE : 24/04/2024

TIME \ DATE	03-04/04/2024 (L_{eq})	03-04/04/2024 (L_{max})	03-04/04/2024 (L_{90})	UNIT
11:00 - 12:00 ³	56.8	71.6	55.7	dB(A)
12:00 - 13:00	56.1	65.8	55.4	dB(A)
13:00 - 14:00	57.0	68.6	56.2	dB(A)
14:00 - 15:00	57.3	65.1	56.4	dB(A)
15:00 - 16:00	56.9	65.8	55.9	dB(A)
16:00 - 17:00	57.0	66.5	56.2	dB(A)
17:00 - 18:00	56.8	64.7	56.0	dB(A)
18:00 - 19:00	57.0	62.6	56.4	dB(A)
19:00 - 20:00	56.4	62.4	55.7	dB(A)
20:00 - 21:00	57.2	62.3	56.7	dB(A)
21:00 - 22:00	56.5	60.8	56.0	dB(A)
22:00 - 23:00	56.7	64.1	56.2	dB(A)
23:00 - 00:00	55.8	65.8	55.3	dB(A)
00:00 - 01:00	56.9	63.8	56.3	dB(A)
01:00 - 02:00	56.8	59.1	56.3	dB(A)
02:00 - 03:00	56.7	59.1	56.2	dB(A)
03:00 - 04:00	56.6	58.7	56.2	dB(A)
04:00 - 05:00	56.9	58.8	56.3	dB(A)
05:00 - 06:00	57.1	62.0	56.5	dB(A)
06:00 - 07:00	57.5	66.1	56.8	dB(A)
07:00 - 08:00	57.4	67.4	56.6	dB(A)
08:00 - 09:00	57.9	67.9	56.8	dB(A)
09:00 - 10:00	58.7	67.6	57.9	dB(A)
10:00 - 11:00	58.3	64.8	57.6	dB(A)
L_{eq} 24 hr.	57.1	-	-	dB(A)
L_{dn}	63.3	-	-	dB(A)
Maximum	-	71.6	-	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)^{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 Photakham)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

24/04/2024

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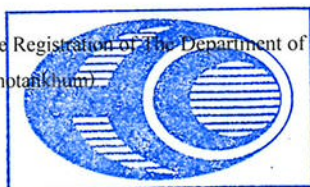
Request No. LA67-R0474

Report No. R6704-2958

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
 ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
 SAMPLE SOURCE : GC17 Polystyrene Plant
 SAMPLE POINT : บริเวณริมรั้วด้านทิศเหนือ
 PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn} SAMPLE NO. : 08908
 DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 04-05/04/2024
 INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 10/04/2024
 S/N 00310456 : Class 2 REPORTED DATE : 24/04/2024

TIME \ DATE	04-05/04/2024 (L_{eq})	04-05/04/2024 (L_{max})	04-05/04/2024 (L_{90})	UNIT
11:00 - 12:00 ^{/3}	57.1	64.8	56.3	dB(A)
12:00 - 13:00	56.8	64.3	56.0	dB(A)
13:00 - 14:00	57.5	64.9	56.6	dB(A)
14:00 - 15:00	57.9	67.8	57.2	dB(A)
15:00 - 16:00	58.0	66.2	57.0	dB(A)
16:00 - 17:00	58.0	63.2	57.2	dB(A)
17:00 - 18:00	58.3	65.8	57.4	dB(A)
18:00 - 19:00	57.5	63.2	56.9	dB(A)
19:00 - 20:00	56.4	64.4	55.8	dB(A)
20:00 - 21:00	56.3	64.1	55.7	dB(A)
21:00 - 22:00	56.9	62.4	56.4	dB(A)
22:00 - 23:00	56.5	62.3	55.9	dB(A)
23:00 - 00:00	56.0	60.3	55.5	dB(A)
00:00 - 01:00	55.3	63.3	54.6	dB(A)
01:00 - 02:00	56.2	60.2	55.6	dB(A)
02:00 - 03:00	55.9	58.4	55.4	dB(A)
03:00 - 04:00	55.1	57.8	54.6	dB(A)
04:00 - 05:00	55.9	62.1	55.4	dB(A)
05:00 - 06:00	56.7	61.2	56.1	dB(A)
06:00 - 07:00	56.8	69.4	56.1	dB(A)
07:00 - 08:00	57.3	66.5	56.5	dB(A)
08:00 - 09:00	57.6	65.3	56.7	dB(A)
09:00 - 10:00	57.7	77.2	56.6	dB(A)
10:00 - 11:00	57.2	64.9	56.4	dB(A)
L_{eq} 24 hr.	57.0	-	-	dB(A)
L_{dn}	62.7	-	-	dB(A)
Maximum	-	77.2	-	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)^{/3} Start Time* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummarut Photankham)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

24/04/2024

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Request No. LA67-R0474

Report No. R6704-2959

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
 ADDRESS : 7 I-I Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
 SAMPLE SOURCE : GC17 Polystyrene 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 00310456 : Class 2

SAMPLE NO. : 08909
 MEASURING DATE : 05-06/04/2024
 RECEIVED DATE : 10/04/2024
 REPORTED DATE : 24/04/2024

TIME \ DATE	05-06/04/2024 (L_{eq})	05-06/04/2024 (L_{max})	05-06/04/2024 (L_{90})	UNIT
11:00 - 12:00 ^{1/3}	60.5	78.7	59.8	dB(A)
12:00 - 13:00	61.1	69.2	60.4	dB(A)
13:00 - 14:00	60.6	78.1	59.9	dB(A)
14:00 - 15:00	61.3	73.9	60.5	dB(A)
15:00 - 16:00	61.1	70.7	60.4	dB(A)
16:00 - 17:00	61.9	65.9	61.3	dB(A)
17:00 - 18:00	62.0	70.3	61.3	dB(A)
18:00 - 19:00	62.2	67.6	61.6	dB(A)
19:00 - 20:00	61.1	67.5	60.5	dB(A)
20:00 - 21:00	62.0	73.6	61.4	dB(A)
21:00 - 22:00	61.8	72.6	61.3	dB(A)
22:00 - 23:00	61.7	82.2	61.1	dB(A)
23:00 - 00:00	61.2	72.8	60.7	dB(A)
00:00 - 01:00	61.7	66.0	61.2	dB(A)
01:00 - 02:00	61.3	66.4	60.8	dB(A)
02:00 - 03:00	61.4	69.9	60.8	dB(A)
03:00 - 04:00	61.1	70.1	60.5	dB(A)
04:00 - 05:00	61.2	73.4	60.5	dB(A)
05:00 - 06:00	61.7	73.0	61.2	dB(A)
06:00 - 07:00	61.7	71.3	61.1	dB(A)
07:00 - 08:00	61.2	69.1	60.5	dB(A)
08:00 - 09:00	61.0	74.8	60.3	dB(A)
09:00 - 10:00	61.7	74.1	61.1	dB(A)
10:00 - 11:00	61.5	69.9	60.9	dB(A)
L_{eq} 24 hr.	61.4	-	-	dB(A)
L_{dn}	67.9	-	-	dB(A)
Maximum	-	82.2	-	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)
^{1/3} Start Time
 * 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)

24/04/2024



Request No. LA67-R0474

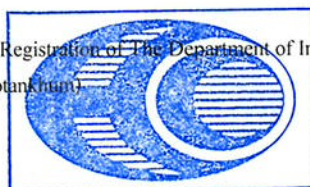
Report No. R6704-2960

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
 ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
 SAMPLE SOURCE : GC17 Polystyrene 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 00310456 : Class 2

SAMPLE NO. : 08910
 MEASURING DATE : 06-07/04/2024
 RECEIVED DATE : 10/04/2024
 REPORTED DATE : 24/04/2024

TIME \ DATE	06-07/04/2024 (L_{eq})	06-07/04/2024 (L_{max})	06-07/04/2024 (L_{90})	UNIT
11:00 - 12:00 ^{1/3}	60.9	71.0	60.3	dB(A)
12:00 - 13:00	60.6	65.7	60.0	dB(A)
13:00 - 14:00	61.4	70.3	60.7	dB(A)
14:00 - 15:00	61.2	74.2	60.4	dB(A)
15:00 - 16:00	60.9	67.6	60.1	dB(A)
16:00 - 17:00	61.1	73.3	60.4	dB(A)
17:00 - 18:00	61.4	69.3	60.9	dB(A)
18:00 - 19:00	61.6	70.3	61.0	dB(A)
19:00 - 20:00	61.0	75.3	60.4	dB(A)
20:00 - 21:00	61.1	70.1	60.5	dB(A)
21:00 - 22:00	61.5	72.5	60.9	dB(A)
22:00 - 23:00	61.3	66.0	60.8	dB(A)
23:00 - 00:00	60.8	64.2	60.3	dB(A)
00:00 - 01:00	61.2	66.5	60.7	dB(A)
01:00 - 02:00	61.6	73.5	61.1	dB(A)
02:00 - 03:00	61.5	66.0	61.0	dB(A)
03:00 - 04:00	60.8	63.5	60.3	dB(A)
04:00 - 05:00	60.8	66.1	60.3	dB(A)
05:00 - 06:00	61.6	72.2	61.0	dB(A)
06:00 - 07:00	61.8	74.9	61.1	dB(A)
07:00 - 08:00	61.2	75.5	60.4	dB(A)
08:00 - 09:00	61.1	78.7	60.4	dB(A)
09:00 - 10:00	61.8	73.0	61.0	dB(A)
10:00 - 11:00	61.3	75.1	60.6	dB(A)
L_{eq} 24 hr.	61.2	-	-	dB(A)
L_{dn}	67.7	-	-	dB(A)
Maximum	-	78.7	-	dB(A)
Standard	$70^{1/1}, 70^{1/2}$	$115^{1/1}, 115^{1/2}$	-	dB(A)

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

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

24/04/2024

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Request No. LA67-R0474

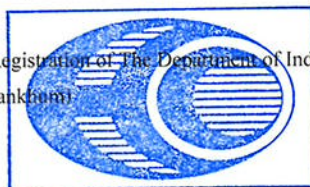
Report No. R6704-2961

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
 ADDRESS : 7 I-I Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
 SAMPLE SOURCE : GC17 Polystyrene 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 00310456 : Class 2

SAMPLE NO. : 08911
 MEASURING DATE : 07-08/04/2024
 RECEIVED DATE : 10/04/2024
 REPORTED DATE : 24/04/2024

TIME \ DATE	07-08/04/2024 (L_{eq})	07-08/04/2024 (L_{max})	07-08/04/2024 (L_{90})	UNIT
11:00 - 12:00 ^{/3}	61.0	72.7	60.4	dB(A)
12:00 - 13:00	60.8	75.3	60.2	dB(A)
13:00 - 14:00	61.0	67.7	60.4	dB(A)
14:00 - 15:00	61.6	68.4	61.0	dB(A)
15:00 - 16:00	61.2	70.9	60.6	dB(A)
16:00 - 17:00	61.8	76.8	61.2	dB(A)
17:00 - 18:00	61.6	71.3	61.0	dB(A)
18:00 - 19:00	61.9	76.9	61.2	dB(A)
19:00 - 20:00	61.0	67.1	60.4	dB(A)
20:00 - 21:00	61.6	68.9	61.0	dB(A)
21:00 - 22:00	61.8	69.8	61.3	dB(A)
22:00 - 23:00	61.8	66.9	61.4	dB(A)
23:00 - 00:00	61.5	68.2	61.0	dB(A)
00:00 - 01:00	61.4	67.3	61.0	dB(A)
01:00 - 02:00	61.3	75.2	60.8	dB(A)
02:00 - 03:00	61.4	73.7	60.9	dB(A)
03:00 - 04:00	60.8	64.0	60.3	dB(A)
04:00 - 05:00	61.1	72.7	60.6	dB(A)
05:00 - 06:00	61.6	71.2	61.1	dB(A)
06:00 - 07:00	61.6	69.4	61.0	dB(A)
07:00 - 08:00	61.3	80.4	60.3	dB(A)
08:00 - 09:00	60.9	73.4	60.0	dB(A)
09:00 - 10:00	61.1	66.7	60.5	dB(A)
10:00 - 11:00	61.3	69.4	60.5	dB(A)
L_{eq} 24 hr.	61.4	-	-	dB(A)
L_{dn}	67.8	-	-	dB(A)
Maximum	-	80.4	-	dB(A)
Standard	$70^{/1}, 70^{/2}$	$115^{/1}, 115^{/2}$	-	dB(A)

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

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

24/04/2024

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Request No. LA67-R0474

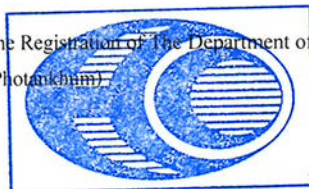
Report No. R6704-2962

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-I Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
SAMPLE SOURCE : GC17 Polystyrene 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 00310456 : Class 2

SAMPLE NO. : 08912
MEASURING DATE : 08-09/04/2024
RECEIVED DATE : 10/04/2024
REPORTED DATE : 24/04/2024

TIME \ DATE	08-09/04/2024 (L_{eq})	08-09/04/2024 (L_{max})	08-09/04/2024 (L_{90})	UNIT
11:00 - 12:00 ^{1/3}	60.6	69.4	60.0	dB(A)
12:00 - 13:00	60.3	69.8	59.7	dB(A)
13:00 - 14:00	61.5	77.2	60.8	dB(A)
14:00 - 15:00	61.7	75.6	61.0	dB(A)
15:00 - 16:00	61.0	70.7	60.4	dB(A)
16:00 - 17:00	61.5	68.8	60.8	dB(A)
17:00 - 18:00	61.9	67.7	61.3	dB(A)
18:00 - 19:00	62.0	76.0	61.3	dB(A)
19:00 - 20:00	60.8	68.5	60.2	dB(A)
20:00 - 21:00	61.3	67.7	60.8	dB(A)
21:00 - 22:00	61.8	68.8	61.3	dB(A)
22:00 - 23:00	61.9	68.6	61.4	dB(A)
23:00 - 00:00	60.8	68.9	60.4	dB(A)
00:00 - 01:00	60.7	64.9	60.3	dB(A)
01:00 - 02:00	60.8	64.8	60.4	dB(A)
02:00 - 03:00	61.3	77.6	60.8	dB(A)
03:00 - 04:00	60.8	68.5	60.3	dB(A)
04:00 - 05:00	60.9	68.1	60.4	dB(A)
05:00 - 06:00	61.3	66.7	60.8	dB(A)
06:00 - 07:00	61.5	70.5	60.9	dB(A)
07:00 - 08:00	61.4	75.1	60.6	dB(A)
08:00 - 09:00	60.7	77.7	59.7	dB(A)
09:00 - 10:00	60.8	67.7	60.1	dB(A)
10:00 - 11:00	61.0	68.3	60.4	dB(A)
L_{eq} 24 hr.	61.2	-	-	dB(A)
L_{dn}	67.6	-	-	dB(A)
Maximum	-	77.7	-	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)^{1/3} Start Time* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummarut Photankham)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MRS. WANPEN LHAOCHINDAWAT)

24/04/2024

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Request No. LA67-R0474

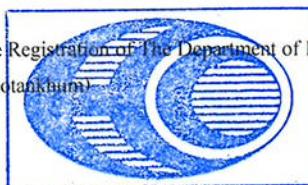
Report No. R6704-2963

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
 ADDRESS : 7 I-I Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
 SAMPLE SOURCE : GC17 Polystyrene 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 00310456 : Class 2

SAMPLE NO. : 08913
 MEASURING DATE : 09-10/04/2024
 RECEIVED DATE : 10/04/2024
 REPORTED DATE : 24/04/2024

TIME \ DATE	09-10/04/2024 (L_{eq})	09-10/04/2024 (L_{max})	09-10/04/2024 (L_{90})	UNIT
11:00 - 12:00 ³	60.6	68.9	60.0	dB(A)
12:00 - 13:00	60.6	76.6	59.9	dB(A)
13:00 - 14:00	60.6	77.5	59.9	dB(A)
14:00 - 15:00	61.3	70.0	60.7	dB(A)
15:00 - 16:00	61.1	71.0	60.4	dB(A)
16:00 - 17:00	61.3	69.5	60.7	dB(A)
17:00 - 18:00	61.8	69.8	61.2	dB(A)
18:00 - 19:00	61.7	73.1	61.1	dB(A)
19:00 - 20:00	60.7	71.7	60.0	dB(A)
20:00 - 21:00	61.3	71.5	60.8	dB(A)
21:00 - 22:00	61.5	68.2	61.0	dB(A)
22:00 - 23:00	61.3	68.4	60.8	dB(A)
23:00 - 00:00	60.4	68.8	59.9	dB(A)
00:00 - 01:00	60.6	73.1	60.1	dB(A)
01:00 - 02:00	60.9	66.9	60.4	dB(A)
02:00 - 03:00	61.0	70.3	60.5	dB(A)
03:00 - 04:00	60.6	64.8	60.1	dB(A)
04:00 - 05:00	60.7	64.9	60.2	dB(A)
05:00 - 06:00	61.0	71.6	60.5	dB(A)
06:00 - 07:00	61.4	72.0	60.7	dB(A)
07:00 - 08:00	61.0	74.5	60.2	dB(A)
08:00 - 09:00	61.1	72.4	59.9	dB(A)
09:00 - 10:00	61.7	79.2	60.9	dB(A)
10:00 - 11:00	61.3	78.7	60.5	dB(A)
L_{eq} 24 hr.	61.1	-	-	dB(A)
L_{dn}	67.3	-	-	dB(A)
Maximum	-	79.2	-	dB(A)
Standard	$70^{1/1}, 70^{2/2}$	$115^{1/1}, 115^{2/2}$	-	dB(A)

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

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MRS. WANPEN LHAOCHINDAWAT)

24/04/2024

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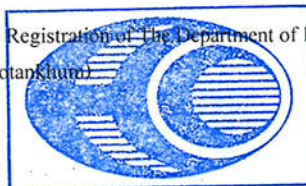
Request No. LA67-R0474

Report No. R6704-2964

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
 ADDRESS : 7 I-I Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
 SAMPLE SOURCE : GC17 Polystyrene Plant
 SAMPLE POINT : บริเวณริมรั้วด้านทิศใต้
 PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn} SAMPLE NO. : 08914
 DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 03-04/04/2024
 INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 10/04/2024
 S/N G301635 : Class 2 REPORTED DATE : 24/04/2024

TIME \ DATE	03-04/04/2024 (L_{eq})	03-04/04/2024 (L_{max})	03-04/04/2024 (L_{90})	UNIT
10:00 - 11:00 ³	59.9	75.9	58.0	dB(A)
11:00 - 12:00	59.2	73.1	57.9	dB(A)
12:00 - 13:00	59.4	73.6	57.8	dB(A)
13:00 - 14:00	59.1	66.6	57.8	dB(A)
14:00 - 15:00	59.2	72.8	57.7	dB(A)
15:00 - 16:00	59.0	70.2	57.5	dB(A)
16:00 - 17:00	59.0	72.2	57.6	dB(A)
17:00 - 18:00	58.6	69.6	57.2	dB(A)
18:00 - 19:00	58.4	68.8	57.0	dB(A)
19:00 - 20:00	58.8	66.4	57.5	dB(A)
20:00 - 21:00	58.2	75.2	57.1	dB(A)
21:00 - 22:00	58.7	67.4	57.5	dB(A)
22:00 - 23:00	58.4	70.4	57.2	dB(A)
23:00 - 00:00	59.1	66.1	57.9	dB(A)
00:00 - 01:00	59.1	65.7	57.9	dB(A)
01:00 - 02:00	59.3	64.6	58.1	dB(A)
02:00 - 03:00	59.0	65.1	57.9	dB(A)
03:00 - 04:00	58.8	65.2	57.7	dB(A)
04:00 - 05:00	59.2	65.5	58.1	dB(A)
05:00 - 06:00	59.6	70.3	58.4	dB(A)
06:00 - 07:00	60.1	70.1	58.7	dB(A)
07:00 - 08:00	60.0	70.0	58.6	dB(A)
08:00 - 09:00	59.7	71.7	58.3	dB(A)
09:00 - 10:00	60.0	72.9	58.5	dB(A)
L_{eq} 24 hr.	59.2	-	-	dB(A)
L_{dn}	65.6	-	-	dB(A)
Maximum	-	75.9	-	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)^{2/2} Notification of Ministry of the Industry B.E. 2548 (2005)^{3/3} Start Time* 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)

24/04/2024

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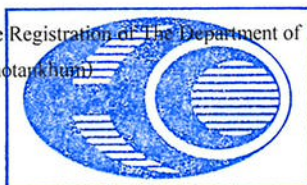
Request No. LA67-R0474

Report No. R6704-2965

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
 ADDRESS : 7 I-I Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
 SAMPLE SOURCE : GC17 Polystyrene Plant
 SAMPLE POINT : บริเวณริมรั้วด้านทิศใต้
 PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn} SAMPLE NO. : 08915
 DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 04-05/04/2024
 INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 10/04/2024
 S/N G301635 : Class 2 REPORTED DATE : 24/04/2024

TIME \ DATE	04-05/04/2024 (L_{eq})	04-05/04/2024 (L_{max})	04-05/04/2024 (L_{90})	UNIT
10:00 - 11:00 ³	60.6	71.1	59.3	dB(A)
11:00 - 12:00	59.5	68.0	58.5	dB(A)
12:00 - 13:00	59.0	66.3	57.8	dB(A)
13:00 - 14:00	59.3	73.5	58.0	dB(A)
14:00 - 15:00	59.8	72.1	58.4	dB(A)
15:00 - 16:00	59.5	70.6	58.1	dB(A)
16:00 - 17:00	59.5	75.3	58.3	dB(A)
17:00 - 18:00	59.5	73.4	58.0	dB(A)
18:00 - 19:00	59.0	73.4	57.6	dB(A)
19:00 - 20:00	58.4	70.9	57.2	dB(A)
20:00 - 21:00	58.5	65.5	57.4	dB(A)
21:00 - 22:00	58.9	64.1	57.8	dB(A)
22:00 - 23:00	59.5	82.4	58.3	dB(A)
23:00 - 00:00	59.6	77.2	58.5	dB(A)
00:00 - 01:00	59.3	67.3	58.3	dB(A)
01:00 - 02:00	59.3	64.0	58.3	dB(A)
02:00 - 03:00	59.0	65.1	57.9	dB(A)
03:00 - 04:00	59.2	71.2	58.2	dB(A)
04:00 - 05:00	59.4	69.4	58.4	dB(A)
05:00 - 06:00	59.3	69.0	58.1	dB(A)
06:00 - 07:00	59.8	69.7	58.4	dB(A)
07:00 - 08:00	59.7	67.9	58.4	dB(A)
08:00 - 09:00	59.3	71.2	57.9	dB(A)
09:00 - 10:00	59.5	72.8	58.3	dB(A)
L_{eq} 24 hr.	59.4	-	-	dB(A)
L_{dn}	65.8	-	-	dB(A)
Maximum	-	82.4	-	dB(A)
Standard	$70^{/1}, 70^{/2}$	$115^{/1}, 115^{/2}$	-	dB(A)

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

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

24/04/2024

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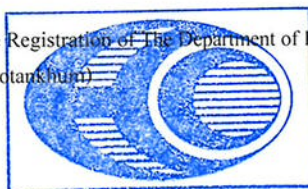
Request No. LA67-R0474

Report No. R6704-2966

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
 ADDRESS : 7 I-I Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
 SAMPLE SOURCE : GC17 Polystyrene Plant
 SAMPLE POINT : บริเวณริมรั้วด้านทิศใต้
 PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn} SAMPLE NO. : 08916
 DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 05-06/04/2024
 INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 10/04/2024
 S/N G301635 : Class 2 REPORTED DATE : 24/04/2024

TIME \ DATE	05-06/04/2024 (L_{eq})	05-06/04/2024 (L_{max})	05-06/04/2024 (L_{90})	UNIT
10:00 - 11:00 ³	59.7	74.4	58.6	dB(A)
11:00 - 12:00	59.5	70.4	58.3	dB(A)
12:00 - 13:00	59.9	74.1	58.2	dB(A)
13:00 - 14:00	59.7	67.2	58.3	dB(A)
14:00 - 15:00	59.8	73.5	58.3	dB(A)
15:00 - 16:00	59.7	70.9	58.1	dB(A)
16:00 - 17:00	59.3	72.5	57.9	dB(A)
17:00 - 18:00	59.0	70.0	57.7	dB(A)
18:00 - 19:00	58.9	69.2	57.5	dB(A)
19:00 - 20:00	59.3	66.9	58.1	dB(A)
20:00 - 21:00	58.9	75.9	57.8	dB(A)
21:00 - 22:00	59.0	67.7	57.8	dB(A)
22:00 - 23:00	58.8	70.7	57.7	dB(A)
23:00 - 00:00	59.6	66.7	58.4	dB(A)
00:00 - 01:00	59.6	66.3	58.5	dB(A)
01:00 - 02:00	59.9	65.3	58.8	dB(A)
02:00 - 03:00	59.3	65.4	58.2	dB(A)
03:00 - 04:00	59.2	65.7	58.2	dB(A)
04:00 - 05:00	59.7	66.0	58.6	dB(A)
05:00 - 06:00	60.2	70.8	59.0	dB(A)
06:00 - 07:00	60.8	70.8	59.4	dB(A)
07:00 - 08:00	60.4	70.5	59.1	dB(A)
08:00 - 09:00	60.1	72.0	58.7	dB(A)
09:00 - 10:00	59.5	73.3	58.0	dB(A)
L_{eq} 24 hr.	59.6	-	-	dB(A)
L_{dn}	66.1	-	-	dB(A)
Maximum	-	75.9	-	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)³ Start Time* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummarut Photanakhum)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

24/04/2024

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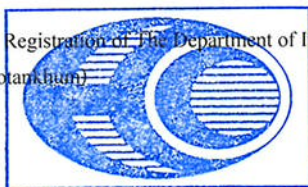
Request No. LA67-R0474

Report No. R6704-2967

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-I Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE POINT : บริเวณริมรั้วด้านทิศใต้
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn} SAMPLE NO. : 08917
DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 06-07/04/2024
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 10/04/2024
S/N G301635 : Class 2 REPORTED DATE : 24/04/2024

TIME \ DATE	06-07/04/2024 (L_{eq})	06-07/04/2024 (L_{max})	06-07/04/2024 (L_{90})	UNIT
10:00 - 11:00 ^{1/3}	55.7	62.7	54.5	dB(A)
11:00 - 12:00	55.1	61.6	54.0	dB(A)
12:00 - 13:00	54.5	61.1	53.5	dB(A)
13:00 - 14:00	54.6	62.8	53.5	dB(A)
14:00 - 15:00	54.2	68.6	52.7	dB(A)
15:00 - 16:00	54.2	64.3	52.9	dB(A)
16:00 - 17:00	53.8	58.5	52.9	dB(A)
17:00 - 18:00	53.6	62.6	52.6	dB(A)
18:00 - 19:00	53.6	60.5	52.7	dB(A)
19:00 - 20:00	53.7	62.0	52.7	dB(A)
20:00 - 21:00	53.2	58.3	52.2	dB(A)
21:00 - 22:00	53.4	57.7	52.5	dB(A)
22:00 - 23:00	53.4	62.9	52.4	dB(A)
23:00 - 00:00	53.9	59.8	53.0	dB(A)
00:00 - 01:00	53.9	66.4	52.8	dB(A)
01:00 - 02:00	53.7	63.1	52.7	dB(A)
02:00 - 03:00	53.5	65.6	52.6	dB(A)
03:00 - 04:00	53.2	59.0	52.2	dB(A)
04:00 - 05:00	52.6	56.9	51.7	dB(A)
05:00 - 06:00	54.6	77.3	52.3	dB(A)
06:00 - 07:00	54.1	64.8	52.9	dB(A)
07:00 - 08:00	55.0	68.3	53.8	dB(A)
08:00 - 09:00	54.8	66.3	53.7	dB(A)
09:00 - 10:00	55.2	63.5	54.1	dB(A)
L_{eq} 24 hr.	54.1	-	-	dB(A)
L_{dn}	60.2	-	-	dB(A)
Maximum	-	77.3	-	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)^{1/3} Start Time* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummarut Photankham)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

24/04/2024

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Request No. LA67-R0474

Report No. R6704-2968

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
 ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
 SAMPLE SOURCE : GC17 Polystyrene Plant
 SAMPLE POINT : บริเวณริมรั้วด้านทิศใต้
 PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn} SAMPLE NO. : 08918
 DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 07-08/04/2024
 INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 10/04/2024
 S/N G301635 : Class 2 REPORTED DATE : 24/04/2024

TIME \ DATE	07-08/04/2024 (L_{eq})	07-08/04/2024 (L_{max})	07-08/04/2024 (L_{90})	UNIT
10:00 - 11:00 ^{1/3}	55.4	61.3	54.5	dB(A)
11:00 - 12:00	55.0	65.7	54.1	dB(A)
12:00 - 13:00	54.6	61.2	53.7	dB(A)
13:00 - 14:00	54.5	59.3	53.5	dB(A)
14:00 - 15:00	55.0	61.7	54.0	dB(A)
15:00 - 16:00	55.0	60.0	54.0	dB(A)
16:00 - 17:00	54.8	59.8	53.8	dB(A)
17:00 - 18:00	54.6	59.6	53.8	dB(A)
18:00 - 19:00	54.1	67.8	53.0	dB(A)
19:00 - 20:00	54.0	61.3	53.0	dB(A)
20:00 - 21:00	53.3	61.5	52.2	dB(A)
21:00 - 22:00	52.8	58.5	51.8	dB(A)
22:00 - 23:00	53.0	56.9	52.2	dB(A)
23:00 - 00:00	53.3	56.3	52.5	dB(A)
00:00 - 01:00	53.7	57.1	53.0	dB(A)
01:00 - 02:00	53.6	60.0	52.6	dB(A)
02:00 - 03:00	54.0	57.5	53.2	dB(A)
03:00 - 04:00	53.9	58.6	53.0	dB(A)
04:00 - 05:00	53.8	58.5	52.8	dB(A)
05:00 - 06:00	54.1	68.3	53.0	dB(A)
06:00 - 07:00	54.7	62.8	53.7	dB(A)
07:00 - 08:00	54.8	63.7	53.7	dB(A)
08:00 - 09:00	52.9	60.1	51.9	dB(A)
09:00 - 10:00	54.6	66.2	53.6	dB(A)
L_{eq} 24 hr.	54.2	-	-	dB(A)
L_{dn}	60.3	-	-	dB(A)
Maximum	-	68.3	-	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)^{1/3} Start Time* 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)

24/04/2024

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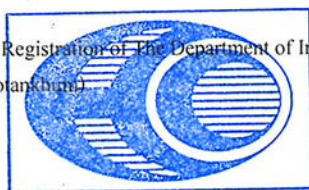
Request No. LA67-R0474

Report No. R6704-2969

TEST REPORT

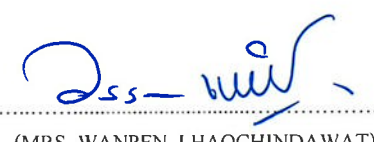
CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
 ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
 SAMPLE SOURCE : GC17 Polystyrene Plant
 SAMPLE POINT : บริเวณริมรั้วด้านทิศใต้
 PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn} SAMPLE NO. : 08919
 DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 08-09/04/2024
 INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 10/04/2024
 S/N G301635 : Class 2 REPORTED DATE : 24/04/2024

TIME \ DATE	08-09/04/2024 (L_{eq})	08-09/04/2024 (L_{max})	08-09/04/2024 (L_{90})	UNIT
10:00 - 11:00 ³	60.0	84.4	58.3	dB(A)
11:00 - 12:00	59.1	76.6	57.8	dB(A)
12:00 - 13:00	58.3	71.2	57.3	dB(A)
13:00 - 14:00	59.3	83.9	57.9	dB(A)
14:00 - 15:00	59.5	81.2	57.9	dB(A)
15:00 - 16:00	59.2	72.4	57.8	dB(A)
16:00 - 17:00	59.3	66.9	58.1	dB(A)
17:00 - 18:00	59.1	68.1	57.7	dB(A)
18:00 - 19:00	58.7	69.4	57.6	dB(A)
19:00 - 20:00	58.7	72.0	57.5	dB(A)
20:00 - 21:00	58.5	76.1	57.4	dB(A)
21:00 - 22:00	58.4	65.5	57.4	dB(A)
22:00 - 23:00	58.7	69.8	57.8	dB(A)
23:00 - 00:00	58.4	69.1	57.5	dB(A)
00:00 - 01:00	58.3	63.5	57.5	dB(A)
01:00 - 02:00	58.5	64.9	57.5	dB(A)
02:00 - 03:00	58.5	64.9	57.7	dB(A)
03:00 - 04:00	58.6	66.3	57.8	dB(A)
04:00 - 05:00	58.7	72.1	57.8	dB(A)
05:00 - 06:00	59.0	70.8	57.9	dB(A)
06:00 - 07:00	60.3	82.5	58.2	dB(A)
07:00 - 08:00	59.0	67.9	57.8	dB(A)
08:00 - 09:00	58.6	70.1	57.4	dB(A)
09:00 - 10:00	58.5	73.0	57.3	dB(A)
L_{eq} 24 hr.	58.9	-	-	dB(A)
L_{dn}	65.3	-	-	dB(A)
Maximum	-	84.4	-	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)^{1/3} Start Time* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummarut Photankham)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By



(MRS. WANPEN LHAOCHINDAWAT)

24/04/2024

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Request No. LA67-R0474

Report No. R6704-2970

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-I Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE POINT : บริเวณริมรั้วด้านทิศใต้
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn} SAMPLE NO. : 08920
DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 09-10/04/2024
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 10/04/2024
S/N G301635 : Class 2 REPORTED DATE : 24/04/2024

TIME \ DATE	09-10/04/2024 (L_{eq})	09-10/04/2024 (L_{max})	09-10/04/2024 (L_{90})	UNIT
10:00 - 11:00 ³	55.7	59.5	54.8	dB(A)
11:00 - 12:00	55.4	66.2	54.5	dB(A)
12:00 - 13:00	55.1	61.8	54.2	dB(A)
13:00 - 14:00	55.2	60.0	54.2	dB(A)
14:00 - 15:00	59.5	71.8	58.2	dB(A)
15:00 - 16:00	59.7	67.3	58.5	dB(A)
16:00 - 17:00	59.6	69.1	58.3	dB(A)
17:00 - 18:00	59.4	72.7	58.3	dB(A)
18:00 - 19:00	59.2	72.3	58.0	dB(A)
19:00 - 20:00	58.8	76.4	57.7	dB(A)
20:00 - 21:00	58.9	65.9	57.8	dB(A)
21:00 - 22:00	59.4	70.3	58.4	dB(A)
22:00 - 23:00	58.9	69.8	58.0	dB(A)
23:00 - 00:00	58.9	64.2	58.1	dB(A)
00:00 - 01:00	58.8	65.3	57.8	dB(A)
01:00 - 02:00	59.1	65.3	58.3	dB(A)
02:00 - 03:00	59.2	66.9	58.3	dB(A)
03:00 - 04:00	59.4	72.8	58.4	dB(A)
04:00 - 05:00	59.5	82.8	58.3	dB(A)
05:00 - 06:00	60.6	82.0	58.6	dB(A)
06:00 - 07:00	59.5	69.7	58.3	dB(A)
07:00 - 08:00	59.2	73.6	57.9	dB(A)
08:00 - 09:00	58.2	73.7	57.1	dB(A)
09:00 - 10:00	54.0	61.0	53.0	dB(A)
L_{eq} 24 hr.	58.7	-	-	dB(A)
L_{dn}	65.6	-	-	dB(A)
Maximum	-	82.8	-	dB(A)
Standard	$70^{1/1}, 70^{1/2}$	$115^{1/1}, 115^{1/2}$	-	dB(A)

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

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

24/04/2024

Request No. LA67-R0474

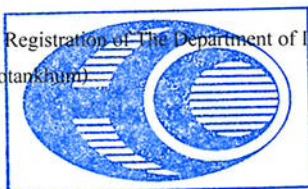
Report No. R6704-2971

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE POINT : บริเวณริมรั้วด้านทิศตะวันออก
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 G301661 : Class 2

SAMPLE NO. : 08921
MEASURING DATE : 03-04/04/2024
RECEIVED DATE : 10/04/2024
REPORTED DATE : 24/04/2024

TIME \ DATE	03-04/04/2024 (L_{eq})	03-04/04/2024 (L_{max})	03-04/04/2024 (L_{90})	UNIT
10:00 - 11:00 ^{/3}	65.3	83.1	58.5	dB(A)
11:00 - 12:00	64.2	78.1	57.4	dB(A)
12:00 - 13:00	63.3	84.3	56.2	dB(A)
13:00 - 14:00	64.4	79.9	58.4	dB(A)
14:00 - 15:00	64.6	80.6	58.2	dB(A)
15:00 - 16:00	65.0	81.8	57.8	dB(A)
16:00 - 17:00	65.3	83.8	58.7	dB(A)
17:00 - 18:00	65.7	84.5	58.1	dB(A)
18:00 - 19:00	65.2	81.5	57.6	dB(A)
19:00 - 20:00	63.7	80.4	56.8	dB(A)
20:00 - 21:00	64.5	84.0	56.4	dB(A)
21:00 - 22:00	63.6	81.6	56.4	dB(A)
22:00 - 23:00	63.7	80.2	57.2	dB(A)
23:00 - 00:00	62.4	81.7	57.3	dB(A)
00:00 - 01:00	61.4	77.6	56.8	dB(A)
01:00 - 02:00	61.6	78.9	56.8	dB(A)
02:00 - 03:00	61.7	78.1	56.7	dB(A)
03:00 - 04:00	62.0	84.7	55.1	dB(A)
04:00 - 05:00	63.1	87.3	55.7	dB(A)
05:00 - 06:00	62.5	82.3	56.1	dB(A)
06:00 - 07:00	65.6	80.5	59.1	dB(A)
07:00 - 08:00	66.4	81.2	59.6	dB(A)
08:00 - 09:00	65.7	80.8	58.2	dB(A)
09:00 - 10:00	65.2	78.7	58.3	dB(A)
L_{eq} 24 hr.	64.2	-	-	dB(A)
L_{dn}	69.6	-	-	dB(A)
Maximum	-	87.3	-	dB(A)
Standard	$70^{/1}, 70^{/2}$	$115^{/1}, 115^{/2}$	-	dB(A)

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

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

24/04/2024

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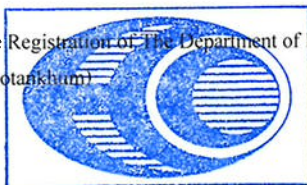
Request No. LA67-R0474

Report No. R6704-2972

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-I Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE POINT : บริเวณริมรั้วด้านทิศตะวันออก
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn} SAMPLE NO. : 08922
DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 04-05/04/2024
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 10/04/2024
S/N G301661 : Class 2 REPORTED DATE : 24/04/2024

TIME \ DATE	04-05/04/2024 (L_{eq})	04-05/04/2024 (L_{max})	04-05/04/2024 (L_{90})	UNIT
10:00 - 11:00 ³	64.6	76.5	58.4	dB(A)
11:00 - 12:00	64.7	78.7	57.2	dB(A)
12:00 - 13:00	63.7	77.4	56.4	dB(A)
13:00 - 14:00	65.0	83.8	57.7	dB(A)
14:00 - 15:00	64.7	76.6	58.4	dB(A)
15:00 - 16:00	65.1	80.0	57.6	dB(A)
16:00 - 17:00	65.5	80.5	59.0	dB(A)
17:00 - 18:00	65.1	77.6	58.5	dB(A)
18:00 - 19:00	65.4	83.7	57.1	dB(A)
19:00 - 20:00	64.0	87.0	56.2	dB(A)
20:00 - 21:00	63.5	83.7	56.3	dB(A)
21:00 - 22:00	61.2	78.2	55.6	dB(A)
22:00 - 23:00	60.7	79.0	56.5	dB(A)
23:00 - 00:00	60.3	74.4	57.3	dB(A)
00:00 - 01:00	58.2	74.6	56.4	dB(A)
01:00 - 02:00	57.9	78.2	56.5	dB(A)
02:00 - 03:00	57.3	70.9	55.9	dB(A)
03:00 - 04:00	58.3	75.2	55.5	dB(A)
04:00 - 05:00	59.1	75.7	55.5	dB(A)
05:00 - 06:00	59.6	79.5	55.4	dB(A)
06:00 - 07:00	64.2	76.9	57.8	dB(A)
07:00 - 08:00	66.4	81.9	59.3	dB(A)
08:00 - 09:00	65.9	83.3	59.4	dB(A)
09:00 - 10:00	65.4	87.3	58.7	dB(A)
L_{eq} 24 hr.	63.6	-	-	dB(A)
L_{dn}	67.5	-	-	dB(A)
Maximum	-	87.3	-	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)^{1/3} Start Time* 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)

24/04/2024

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Request No. LA67-R0474

Report No. R6704-2973

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-I Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE POINT : บริเวณริมรั้วด้านทิศตะวันออก
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 G301661 : Class 2

SAMPLE NO. : 08923
MEASURING DATE : 05-06/04/2024
RECEIVED DATE : 10/04/2024
REPORTED DATE : 24/04/2024

TIME \ DATE	05-06/04/2024 (L_{eq})	05-06/04/2024 (L_{max})	05-06/04/2024 (L_{90})	UNIT
10:00 - 11:00 ³	65.0	86.8	58.6	dB(A)
11:00 - 12:00	65.7	80.6	60.1	dB(A)
12:00 - 13:00	64.6	84.0	58.2	dB(A)
13:00 - 14:00	64.9	79.4	58.6	dB(A)
14:00 - 15:00	65.1	82.2	58.9	dB(A)
15:00 - 16:00	64.5	80.7	58.5	dB(A)
16:00 - 17:00	65.6	83.7	59.0	dB(A)
17:00 - 18:00	65.4	80.9	58.8	dB(A)
18:00 - 19:00	64.6	84.3	56.9	dB(A)
19:00 - 20:00	62.7	79.0	55.9	dB(A)
20:00 - 21:00	62.9	83.6	56.3	dB(A)
21:00 - 22:00	61.7	78.0	55.8	dB(A)
22:00 - 23:00	62.3	80.4	58.0	dB(A)
23:00 - 00:00	61.3	85.0	58.0	dB(A)
00:00 - 01:00	59.8	74.2	57.9	dB(A)
01:00 - 02:00	59.1	77.0	57.3	dB(A)
02:00 - 03:00	58.5	73.7	56.9	dB(A)
03:00 - 04:00	58.0	75.0	56.4	dB(A)
04:00 - 05:00	60.7	81.8	56.7	dB(A)
05:00 - 06:00	58.9	76.7	56.6	dB(A)
06:00 - 07:00	64.3	78.7	58.1	dB(A)
07:00 - 08:00	65.4	80.9	58.2	dB(A)
08:00 - 09:00	63.6	81.4	58.0	dB(A)
09:00 - 10:00	63.2	77.2	58.1	dB(A)
L_{eq} 24 hr.	63.4	-	-	dB(A)
L_{dn}	68.0	-	-	dB(A)
Maximum	-	86.8	-	dB(A)
Standard	$70^{/1}, 70^{/2}$	$115^{/1}, 115^{/2}$	-	dB(A)

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

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

24/04/2024

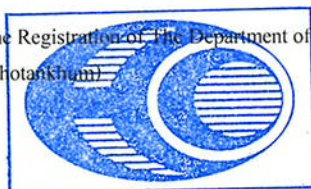
Request No. LA67-R0474

Report No. R6704-2974

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-I Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE POINT : บริเวณริมรั้วด้านทิศตะวันออก
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn} SAMPLE NO. : 08924
DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 06-07/04/2024
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 10/04/2024
S/N G301661 : Class 2 REPORTED DATE : 24/04/2024

TIME \ DATE	06-07/04/2024 (L_{eq})	06-07/04/2024 (L_{max})	06-07/04/2024 (L_{90})	UNIT
10:00 - 11:00 ³	63.1	75.1	58.1	dB(A)
11:00 - 12:00	62.8	77.3	57.0	dB(A)
12:00 - 13:00	61.4	76.1	56.2	dB(A)
13:00 - 14:00	62.6	77.9	57.3	dB(A)
14:00 - 15:00	63.6	81.1	57.4	dB(A)
15:00 - 16:00	64.3	88.2	57.2	dB(A)
16:00 - 17:00	65.1	84.0	58.3	dB(A)
17:00 - 18:00	63.0	85.4	56.0	dB(A)
18:00 - 19:00	62.9	82.3	55.5	dB(A)
19:00 - 20:00	62.7	77.4	55.4	dB(A)
20:00 - 21:00	60.0	75.4	55.0	dB(A)
21:00 - 22:00	58.7	75.9	54.9	dB(A)
22:00 - 23:00	59.3	83.6	56.6	dB(A)
23:00 - 00:00	58.4	73.5	56.6	dB(A)
00:00 - 01:00	59.4	84.1	57.3	dB(A)
01:00 - 02:00	58.7	74.9	57.2	dB(A)
02:00 - 03:00	58.3	73.4	57.1	dB(A)
03:00 - 04:00	57.7	73.1	56.1	dB(A)
04:00 - 05:00	57.8	71.9	56.4	dB(A)
05:00 - 06:00	59.3	83.7	56.3	dB(A)
06:00 - 07:00	63.5	79.1	56.9	dB(A)
07:00 - 08:00	64.6	80.4	56.9	dB(A)
08:00 - 09:00	62.4	78.8	56.8	dB(A)
09:00 - 10:00	62.0	75.4	57.7	dB(A)
L_{eq} 24 hr.	61.9	-	-	dB(A)
L_{dn}	66.6	-	-	dB(A)
Maximum	-	88.2	-	dB(A)
Standard	$70^{1/1}, 70^{2/2}$	$115^{1/1}, 115^{2/2}$	-	dB(A)

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

บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

24/04/2024

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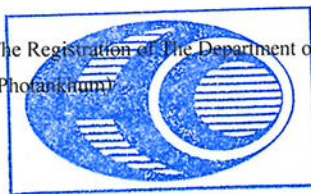
Request No. LA67-R0474

Report No. R6704-2975

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-I Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE POINT : บริเวณริมรั้วด้านทิศตะวันออก
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn} SAMPLE NO. : 08925
DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 07-08/04/2024
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 10/04/2024
S/N G301661 : Class 2 REPORTED DATE : 24/04/2024

TIME \ DATE	07-08/04/2024 (L_{eq})	07-08/04/2024 (L_{max})	07-08/04/2024 (L_{90})	UNIT
10:00 - 11:00 ³	62.5	80.4	58.1	dB(A)
11:00 - 12:00	62.1	80.4	56.7	dB(A)
12:00 - 13:00	61.2	77.5	55.8	dB(A)
13:00 - 14:00	61.9	76.8	56.6	dB(A)
14:00 - 15:00	62.6	76.3	57.1	dB(A)
15:00 - 16:00	62.6	76.8	56.7	dB(A)
16:00 - 17:00	63.4	83.8	56.8	dB(A)
17:00 - 18:00	59.5	74.7	55.1	dB(A)
18:00 - 19:00	61.8	82.4	54.8	dB(A)
19:00 - 20:00	61.8	81.9	54.7	dB(A)
20:00 - 21:00	61.2	83.5	54.3	dB(A)
21:00 - 22:00	57.9	75.9	54.3	dB(A)
22:00 - 23:00	58.0	75.6	55.9	dB(A)
23:00 - 00:00	58.2	75.1	56.6	dB(A)
00:00 - 01:00	58.7	75.6	57.0	dB(A)
01:00 - 02:00	57.8	64.2	56.9	dB(A)
02:00 - 03:00	57.3	70.4	56.2	dB(A)
03:00 - 04:00	57.3	72.8	55.7	dB(A)
04:00 - 05:00	57.5	70.4	55.9	dB(A)
05:00 - 06:00	58.0	75.3	55.0	dB(A)
06:00 - 07:00	64.5	80.8	57.2	dB(A)
07:00 - 08:00	65.5	84.2	57.9	dB(A)
08:00 - 09:00	63.3	82.2	57.0	dB(A)
09:00 - 10:00	62.5	76.2	57.1	dB(A)
L_{eq} 24 hr.	61.4	-	-	dB(A)
L_{dn}	66.3	-	-	dB(A)
Maximum	-	84.2	-	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)³ Start Time* 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)

24/04/2024

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Request No. LA67-R0474

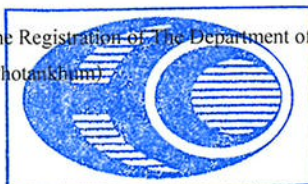
Report No. R6704-2976

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-I Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE POINT : บริเวณริมรั้วด้านทิศตะวันออก
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 G301661 : Class 2

SAMPLE NO. : 08926
MEASURING DATE : 08-09/04/2024
RECEIVED DATE : 10/04/2024
REPORTED DATE : 24/04/2024

TIME \ DATE	08-09/04/2024 (L_{eq})	08-09/04/2024 (L_{max})	08-09/04/2024 (L_{90})	UNIT
10:00 - 11:00 ³	62.9	75.6	57.8	dB(A)
11:00 - 12:00	64.0	77.4	57.4	dB(A)
12:00 - 13:00	62.9	78.5	57.6	dB(A)
13:00 - 14:00	63.7	77.2	57.7	dB(A)
14:00 - 15:00	63.6	80.0	58.3	dB(A)
15:00 - 16:00	63.3	77.6	57.5	dB(A)
16:00 - 17:00	65.0	77.3	57.8	dB(A)
17:00 - 18:00	63.9	80.0	56.8	dB(A)
18:00 - 19:00	63.8	82.9	57.3	dB(A)
19:00 - 20:00	61.9	78.6	55.3	dB(A)
20:00 - 21:00	62.9	82.7	55.7	dB(A)
21:00 - 22:00	60.2	78.3	55.3	dB(A)
22:00 - 23:00	62.1	88.9	56.1	dB(A)
23:00 - 00:00	58.6	73.4	56.2	dB(A)
00:00 - 01:00	58.5	75.0	56.3	dB(A)
01:00 - 02:00	57.9	79.9	56.2	dB(A)
02:00 - 03:00	57.9	74.6	56.2	dB(A)
03:00 - 04:00	58.1	73.9	56.3	dB(A)
04:00 - 05:00	58.1	74.0	56.1	dB(A)
05:00 - 06:00	60.0	83.7	55.9	dB(A)
06:00 - 07:00	64.9	84.1	57.5	dB(A)
07:00 - 08:00	65.8	83.7	58.2	dB(A)
08:00 - 09:00	64.5	84.0	58.2	dB(A)
09:00 - 10:00	64.8	85.2	58.5	dB(A)
L_{eq} 24 hr.	62.7	-	-	dB(A)
L_{dn}	67.4	-	-	dB(A)
Maximum	-	88.9	-	dB(A)
Standard	$70^{1/1}, 70^{2/2}$	$115^{1/1}, 115^{2/2}$	-	dB(A)

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

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

24/04/2024

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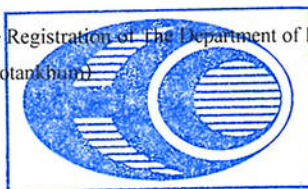
Request No. LA67-R0474

Report No. R6704-2977

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
 ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
 SAMPLE SOURCE : GC17 Polystyrene Plant
 SAMPLE POINT : บริเวณริมรั้วด้านทิศตะวันออก
 PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn} SAMPLE NO. : 08927
 DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 09-10/04/2024
 INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 10/04/2024
 S/N G301661 : Class 2 REPORTED DATE : 24/04/2024

TIME \ DATE	09-10/04/2024 (L_{eq})	09-10/04/2024 (L_{max})	09-10/04/2024 (L_{90})	UNIT
10:00 - 11:00 ³	63.9	83.9	58.4	dB(A)
11:00 - 12:00	64.9	85.2	58.4	dB(A)
12:00 - 13:00	63.3	78.7	56.6	dB(A)
13:00 - 14:00	64.1	79.0	57.5	dB(A)
14:00 - 15:00	63.5	78.5	58.1	dB(A)
15:00 - 16:00	63.3	76.7	57.4	dB(A)
16:00 - 17:00	64.7	81.7	58.6	dB(A)
17:00 - 18:00	64.2	76.3	57.0	dB(A)
18:00 - 19:00	63.6	81.5	55.8	dB(A)
19:00 - 20:00	62.2	77.6	55.2	dB(A)
20:00 - 21:00	61.5	78.0	55.3	dB(A)
21:00 - 22:00	60.2	77.4	55.0	dB(A)
22:00 - 23:00	62.2	87.1	56.3	dB(A)
23:00 - 00:00	59.5	79.4	56.7	dB(A)
00:00 - 01:00	58.3	74.7	56.6	dB(A)
01:00 - 02:00	57.5	70.3	56.4	dB(A)
02:00 - 03:00	57.2	73.7	55.8	dB(A)
03:00 - 04:00	57.2	71.9	55.7	dB(A)
04:00 - 05:00	57.7	73.7	55.7	dB(A)
05:00 - 06:00	58.6	72.7	55.7	dB(A)
06:00 - 07:00	64.0	80.9	57.7	dB(A)
07:00 - 08:00	66.3	84.8	58.4	dB(A)
08:00 - 09:00	65.0	84.0	58.3	dB(A)
09:00 - 10:00	63.7	76.5	58.1	dB(A)
L_{eq} 24 hr.	62.7	-	-	dB(A)
L_{dn}	67.1	-	-	dB(A)
Maximum	-	87.1	-	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)^{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 Photanbun)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MRS. WANPEN LHAOCHINDAWAT)

24/04/2024

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Request No. LA67-R0474

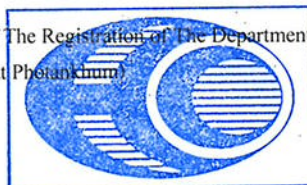
Report No. R6704-2978

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-I Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
SAMPLE SOURCE : GC17 Polystyrene 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 G301039 : Class 2

SAMPLE NO. : 08928
MEASURING DATE : 03-04/04/2024
RECEIVED DATE : 10/04/2024
REPORTED DATE : 24/04/2024

TIME \ DATE	03-04/04/2024 (L_{eq})	03-04/04/2024 (L_{max})	03-04/04/2024 (L_{90})	UNIT
11:00 - 12:00 ³	63.4	78.2	62.5	dB(A)
12:00 - 13:00	62.8	65.1	62.2	dB(A)
13:00 - 14:00	63.5	66.0	63.0	dB(A)
14:00 - 15:00	63.6	66.3	63.1	dB(A)
15:00 - 16:00	63.4	65.8	62.9	dB(A)
16:00 - 17:00	63.0	65.8	62.6	dB(A)
17:00 - 18:00	62.3	63.9	62.0	dB(A)
18:00 - 19:00	62.7	63.8	62.4	dB(A)
19:00 - 20:00	62.4	67.0	62.1	dB(A)
20:00 - 21:00	62.5	64.5	62.2	dB(A)
21:00 - 22:00	62.3	63.0	62.0	dB(A)
22:00 - 23:00	62.3	63.0	62.0	dB(A)
23:00 - 00:00	62.2	63.6	61.9	dB(A)
00:00 - 01:00	62.2	66.1	62.0	dB(A)
01:00 - 02:00	62.2	64.1	61.9	dB(A)
02:00 - 03:00	62.2	62.9	61.9	dB(A)
03:00 - 04:00	62.1	63.0	61.8	dB(A)
04:00 - 05:00	62.1	62.9	61.8	dB(A)
05:00 - 06:00	62.4	66.4	61.9	dB(A)
06:00 - 07:00	62.3	72.0	62.0	dB(A)
07:00 - 08:00	62.1	63.0	61.9	dB(A)
08:00 - 09:00	62.2	63.9	61.8	dB(A)
09:00 - 10:00	63.4	65.2	62.9	dB(A)
10:00 - 11:00	63.4	65.0	62.9	dB(A)
L_{eq} 24 hr.	62.7	-	-	dB(A)
L_{dn}	68.7	-	-	dB(A)
Maximum	-	78.2	-	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)^{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 Phetankhum)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

24/04/2024

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Request No. LA67-R0474

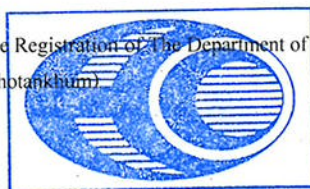
Report No. R6704-2979

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
 ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
 SAMPLE SOURCE : GC17 Polystyrene 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 G301039 : Class 2

SAMPLE NO. : 08929
 MEASURING DATE : 04-05/04/2024
 RECEIVED DATE : 10/04/2024
 REPORTED DATE : 24/04/2024

TIME \ DATE	04-05/04/2024 (L_{eq})	04-05/04/2024 (L_{max})	04-05/04/2024 (L_{90})	UNIT
11:00 - 12:00 ¹	63.1	64.8	62.6	dB(A)
12:00 - 13:00	62.7	64.4	62.1	dB(A)
13:00 - 14:00	63.1	67.3	62.6	dB(A)
14:00 - 15:00	63.4	65.5	62.7	dB(A)
15:00 - 16:00	63.2	65.4	62.5	dB(A)
16:00 - 17:00	62.7	64.3	62.3	dB(A)
17:00 - 18:00	62.9	69.1	62.5	dB(A)
18:00 - 19:00	62.7	64.9	62.3	dB(A)
19:00 - 20:00	62.3	64.9	62.1	dB(A)
20:00 - 21:00	62.4	63.6	62.1	dB(A)
21:00 - 22:00	62.6	63.5	62.4	dB(A)
22:00 - 23:00	62.7	64.0	62.4	dB(A)
23:00 - 00:00	62.5	63.4	62.2	dB(A)
00:00 - 01:00	62.2	62.9	61.9	dB(A)
01:00 - 02:00	62.2	62.9	61.9	dB(A)
02:00 - 03:00	62.2	62.9	61.9	dB(A)
03:00 - 04:00	62.1	63.0	61.8	dB(A)
04:00 - 05:00	62.2	63.1	61.9	dB(A)
05:00 - 06:00	62.2	63.6	61.9	dB(A)
06:00 - 07:00	62.2	64.4	61.9	dB(A)
07:00 - 08:00	62.4	64.0	62.1	dB(A)
08:00 - 09:00	62.7	65.8	62.3	dB(A)
09:00 - 10:00	63.0	68.0	62.7	dB(A)
10:00 - 11:00	63.1	64.8	62.6	dB(A)
L_{eq} 24 hr.	62.6	-	-	dB(A)
L_{dn}	68.8	-	-	dB(A)
Maximum	-	69.1	-	dB(A)
Standard	$70^{1/1}, 70^{2/2}$	$115^{1/1}, 115^{2/2}$	-	dB(A)

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

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

24/04/2024

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Request No. LA67-R0474

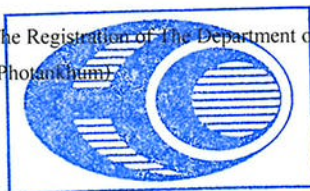
Report No. R6704-2980

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
 ADDRESS : 7 I-I Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
 SAMPLE SOURCE : GC17 Polystyrene 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 G301039 : Class 2

SAMPLE NO. : 08930
 MEASURING DATE : 05-06/04/2024
 RECEIVED DATE : 10/04/2024
 REPORTED DATE : 24/04/2024

TIME \ DATE	05-06/04/2024 (L_{eq})	05-06/04/2024 (L_{max})	05-06/04/2024 (L_{90})	UNIT
11:00 - 12:00 ^{1/3}	62.9	65.1	62.5	dB(A)
12:00 - 13:00	62.9	64.9	62.4	dB(A)
13:00 - 14:00	62.7	64.9	62.2	dB(A)
14:00 - 15:00	62.8	68.2	62.4	dB(A)
15:00 - 16:00	62.8	65.4	62.3	dB(A)
16:00 - 17:00	62.3	64.4	62.0	dB(A)
17:00 - 18:00	62.4	64.7	62.1	dB(A)
18:00 - 19:00	62.3	64.6	62.0	dB(A)
19:00 - 20:00	62.0	62.7	61.7	dB(A)
20:00 - 21:00	62.5	63.7	62.2	dB(A)
21:00 - 22:00	62.6	63.4	62.3	dB(A)
22:00 - 23:00	62.5	68.4	62.3	dB(A)
23:00 - 00:00	62.4	64.8	62.1	dB(A)
00:00 - 01:00	62.4	63.3	62.1	dB(A)
01:00 - 02:00	62.2	63.5	61.9	dB(A)
02:00 - 03:00	62.2	63.1	61.9	dB(A)
03:00 - 04:00	62.1	63.9	61.8	dB(A)
04:00 - 05:00	62.1	63.6	61.8	dB(A)
05:00 - 06:00	62.2	68.8	61.9	dB(A)
06:00 - 07:00	62.3	63.1	62.0	dB(A)
07:00 - 08:00	62.5	63.8	62.1	dB(A)
08:00 - 09:00	62.7	64.1	62.3	dB(A)
09:00 - 10:00	63.0	66.5	62.6	dB(A)
10:00 - 11:00	62.9	65.4	62.5	dB(A)
L_{eq} 24 hr.	62.5	-	-	dB(A)
L_{dn}	68.7	-	-	dB(A)
Maximum	-	68.8	-	dB(A)
Standard	$70^{1/1}, 70^{1/2}$	$115^{1/1}, 115^{1/2}$	-	dB(A)

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

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MRS. WANPEN LHAOCHINDAWAT)

24/04/2024

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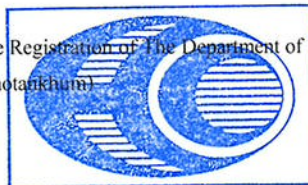
Request No. LA67-R0474

Report No. R6704-2981

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
 ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
 SAMPLE SOURCE : GC17 Polystyrene Plant
 SAMPLE POINT : บริเวณริมรั้วด้านทิศตะวันตก
 PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn} SAMPLE NO. : 08931
 DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 06-07/04/2024
 INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 10/04/2024
 S/N G301039 : Class 2 REPORTED DATE : 24/04/2024

TIME \ DATE	06-07/04/2024 (L_{eq})	06-07/04/2024 (L_{max})	06-07/04/2024 (L_{90})	UNIT
11:00 - 12:00 ^{1/3}	62.6	64.3	62.1	dB(A)
12:00 - 13:00	62.5	65.6	62.0	dB(A)
13:00 - 14:00	62.7	65.0	62.3	dB(A)
14:00 - 15:00	62.8	64.6	62.3	dB(A)
15:00 - 16:00	62.5	64.5	62.1	dB(A)
16:00 - 17:00	62.7	67.6	62.2	dB(A)
17:00 - 18:00	62.1	65.2	61.8	dB(A)
18:00 - 19:00	61.9	64.3	61.7	dB(A)
19:00 - 20:00	61.8	64.6	61.5	dB(A)
20:00 - 21:00	62.0	68.8	61.7	dB(A)
21:00 - 22:00	62.1	69.5	61.8	dB(A)
22:00 - 23:00	62.1	63.0	61.8	dB(A)
23:00 - 00:00	61.9	63.8	61.6	dB(A)
00:00 - 01:00	62.0	63.7	61.7	dB(A)
01:00 - 02:00	62.2	63.5	61.9	dB(A)
02:00 - 03:00	62.2	63.3	61.9	dB(A)
03:00 - 04:00	61.9	64.6	61.6	dB(A)
04:00 - 05:00	61.9	62.8	61.7	dB(A)
05:00 - 06:00	62.2	67.2	61.9	dB(A)
06:00 - 07:00	62.2	64.0	61.8	dB(A)
07:00 - 08:00	62.5	64.2	62.1	dB(A)
08:00 - 09:00	62.8	70.8	62.4	dB(A)
09:00 - 10:00	63.0	65.3	62.5	dB(A)
10:00 - 11:00	63.0	65.5	62.6	dB(A)
L_{eq} 24 hr.	62.3	-	-	dB(A)
L_{dn}	68.5	-	-	dB(A)
Maximum	-	70.8	-	dB(A)
Standard	$70^{1/1}, 70^{1/2}$	$115^{1/1}, 115^{1/2}$	-	dB(A)

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

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

24/04/2024

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Request No. LA67-R0474

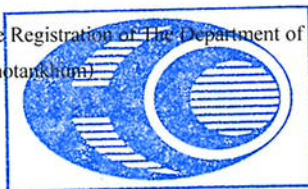
Report No. R6704-2982

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-I Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
SAMPLE SOURCE : GC17 Polystyrene 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 G301039 : Class 2

SAMPLE NO. : 08932
MEASURING DATE : 07-08/04/2024
RECEIVED DATE : 10/04/2024
REPORTED DATE : 24/04/2024

TIME \ DATE	07-08/04/2024 (L_{eq})	07-08/04/2024 (L_{max})	07-08/04/2024 (L_{90})	UNIT
11:00 - 12:00 ³	62.5	65.0	62.1	dB(A)
12:00 - 13:00	62.2	64.3	61.8	dB(A)
13:00 - 14:00	62.6	65.1	62.2	dB(A)
14:00 - 15:00	63.0	64.8	62.5	dB(A)
15:00 - 16:00	62.8	64.8	62.4	dB(A)
16:00 - 17:00	63.0	65.1	62.6	dB(A)
17:00 - 18:00	62.3	64.5	61.9	dB(A)
18:00 - 19:00	62.1	64.9	61.8	dB(A)
19:00 - 20:00	61.7	63.6	61.5	dB(A)
20:00 - 21:00	62.2	65.1	62.0	dB(A)
21:00 - 22:00	62.5	64.2	62.3	dB(A)
22:00 - 23:00	62.6	63.2	62.4	dB(A)
23:00 - 00:00	62.4	64.8	62.1	dB(A)
00:00 - 01:00	62.2	63.1	62.0	dB(A)
01:00 - 02:00	62.1	63.0	61.8	dB(A)
02:00 - 03:00	62.4	65.9	62.0	dB(A)
03:00 - 04:00	61.9	63.3	61.6	dB(A)
04:00 - 05:00	62.0	64.1	61.7	dB(A)
05:00 - 06:00	62.3	66.0	62.0	dB(A)
06:00 - 07:00	62.2	63.9	61.9	dB(A)
07:00 - 08:00	62.9	64.9	62.6	dB(A)
08:00 - 09:00	62.5	65.3	62.2	dB(A)
09:00 - 10:00	62.7	65.6	62.4	dB(A)
10:00 - 11:00	63.3	67.6	62.5	dB(A)
L_{eq} 24 hr.	62.4	-	-	dB(A)
L_{dn}	68.7	-	-	dB(A)
Maximum	-	67.6	-	dB(A)
Standard	$70^{/1}, 70^{/2}$	$115^{/1}, 115^{/2}$	-	dB(A)

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

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MRS. WANPEN LHAOCHINDAWAT)

24/04/2024

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Request No. LA67-R0474

Report No. R6704-2983

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
 ADDRESS : 7 I-I Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
 SAMPLE SOURCE : GC17 Polystyrene Plant
 SAMPLE POINT : บริเวณริมรั้วด้านทิศตะวันตก
 PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn} SAMPLE NO. : 08933
 DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 08-09/04/2024
 INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 10/04/2024
 S/N G301039 : Class 2 REPORTED DATE : 24/04/2024

TIME \ DATE	08-09/04/2024 (L_{eq})	08-09/04/2024 (L_{max})	08-09/04/2024 (L_{90})	UNIT
11:00 - 12:00 ³	62.5	64.4	62.1	dB(A)
12:00 - 13:00	62.1	64.7	61.7	dB(A)
13:00 - 14:00	62.9	68.1	62.4	dB(A)
14:00 - 15:00	63.2	69.3	62.8	dB(A)
15:00 - 16:00	62.8	66.6	62.4	dB(A)
16:00 - 17:00	63.0	66.2	62.6	dB(A)
17:00 - 18:00	62.7	64.3	62.3	dB(A)
18:00 - 19:00	63.2	67.5	62.1	dB(A)
19:00 - 20:00	61.9	68.9	61.6	dB(A)
20:00 - 21:00	62.3	63.0	62.1	dB(A)
21:00 - 22:00	62.5	63.3	62.3	dB(A)
22:00 - 23:00	62.5	63.2	62.3	dB(A)
23:00 - 00:00	62.1	63.7	61.9	dB(A)
00:00 - 01:00	62.0	62.9	61.8	dB(A)
01:00 - 02:00	62.1	63.1	61.8	dB(A)
02:00 - 03:00	62.4	63.2	62.1	dB(A)
03:00 - 04:00	62.2	63.0	61.9	dB(A)
04:00 - 05:00	62.1	63.9	61.8	dB(A)
05:00 - 06:00	62.9	68.6	61.9	dB(A)
06:00 - 07:00	62.2	68.6	61.9	dB(A)
07:00 - 08:00	63.1	77.5	62.2	dB(A)
08:00 - 09:00	64.3	79.3	62.4	dB(A)
09:00 - 10:00	63.2	75.2	62.5	dB(A)
10:00 - 11:00	63.0	67.2	62.6	dB(A)
L_{eq} 24 hr.	62.7	-	-	dB(A)
L_{dn}	68.8	-	-	dB(A)
Maximum	-	79.3	-	dB(A)
Standard	$70^{/1}, 70^{/2}$	$115^{/1}, 115^{/2}$	-	dB(A)

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

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

24/04/2024

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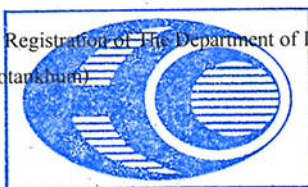
Request No. LA67-R0474

Report No. R6704-2984

TEST REPORT

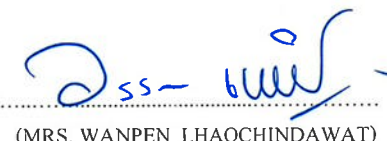
CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-I Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE POINT : บริเวณริมรั้วด้านทิศตะวันตก
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn} SAMPLE NO. : 08934
DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 09-10/04/2024
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 10/04/2024
S/N G301039 : Class 2 REPORTED DATE : 24/04/2024

TIME \ DATE	09-10/04/2024 (L_{eq})	09-10/04/2024 (L_{max})	09-10/04/2024 (L_{90})	UNIT
11:00 - 12:00 ^{1/3}	62.8	68.7	62.2	dB(A)
12:00 - 13:00	62.6	68.1	62.0	dB(A)
13:00 - 14:00	62.5	67.2	62.0	dB(A)
14:00 - 15:00	63.0	64.5	62.5	dB(A)
15:00 - 16:00	63.0	67.8	62.5	dB(A)
16:00 - 17:00	62.5	73.6	61.9	dB(A)
17:00 - 18:00	62.7	65.7	62.4	dB(A)
18:00 - 19:00	62.5	65.5	62.1	dB(A)
19:00 - 20:00	61.7	63.0	61.4	dB(A)
20:00 - 21:00	62.3	63.4	62.1	dB(A)
21:00 - 22:00	62.4	64.4	62.1	dB(A)
22:00 - 23:00	62.7	82.9	62.0	dB(A)
23:00 - 00:00	62.7	63.7	62.3	dB(A)
00:00 - 01:00	62.3	66.0	61.9	dB(A)
01:00 - 02:00	62.1	63.1	61.8	dB(A)
02:00 - 03:00	62.2	63.0	62.0	dB(A)
03:00 - 04:00	62.1	62.8	61.8	dB(A)
04:00 - 05:00	62.1	62.8	61.8	dB(A)
05:00 - 06:00	62.2	65.8	61.8	dB(A)
06:00 - 07:00	62.0	63.0	61.8	dB(A)
07:00 - 08:00	62.0	63.5	61.7	dB(A)
08:00 - 09:00	62.4	65.3	62.0	dB(A)
09:00 - 10:00	62.9	66.8	62.6	dB(A)
10:00 - 11:00	63.3	68.6	63.0	dB(A)
L_{eq} 24 hr.	62.5	-	-	dB(A)
L_{dn}	68.7	-	-	dB(A)
Maximum	-	82.9	-	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)^{1/3} Start Time* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummarut Photakham)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By



(MRS. WANPEN LHAOCHINDAWAT)

24/04/2024

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

ผลการทดสอบคุณภาพน้ำใต้ดิน

Request No : W6703636

Report No. 6704-0937

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 17
Address : 7 I-1 Rd., Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150
Sampling Source : GC17 Polystyrene Plant Sample No. : W 67031941
Sample Name : MW 05 (เหื่อน้ำ) (น้ำใต้ดิน) Sampling Date : 27/03/2024
Sampling By : ETC Sampling Time : 9:30 AM
Sampling Method : Grab Received Date : 28/03/2024
Tested Date : 28/03/2024-19/04/2024 Reported Date : 19/04/2024

Parameter	Unit	Method	Result	Standard ¹
Ethylbenzene	mg/L	Purge and Trap Capillary-Column / GC – MS (SM:6200B)	< 0.00050	≤ 2
Styrene monomer	mg/L	Purge and Trap Capillary-Column / GC – MS (SM:6200B)	< 0.00100	≤ 24

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

Remark : 1. /1 Soil and Groundwater Contamination Standard, Notification of the Ministry of Industry , B.E. 2559 (2016)
2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.,
3. Sampling By Mr. Parkpoom Buasawad (ว-003-ค-0017)

Examined By.....
(Miss Apiradee Chuen-arom)
(ว-003-ค-0007)
19/04/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....
(Miss Nunnaphat Bakhuntod)
(ว-003-ค-0005)
19/04/2024

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY
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Request No : W6703636

Report No. 6704-0938

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 17
Address : 7 I-1 Rd., Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150
Sampling Source : GC17 Polystyrene Plant Sample No. : W 67031942
Sample Name : MW 02 (ท่ายน้ำ) (น้ำใต้ดิน) Sampling Date : 27/03/2024
Sampling By : ETC Sampling Time : 10:00 AM
Sampling Method : Grab Received Date : 28/03/2024
Tested Date : 28/03/2024-19/04/2024 Reported Date : 19/04/2024

Parameter	Unit	Method	Result	Standard ¹
Ethylbenzene	mg/L	Purge and Trap Capillary-Column / GC – MS (SM:6200B)	< 0.00050	≤ 2
Styrene monomer	mg/L	Purge and Trap Capillary-Column / GC – MS (SM:6200B)	< 0.00100	≤ 24

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

Remark : 1. /1 Soil and Groundwater Contamination Standard, Notification of the Ministry of Industry , B.E. 2559 (2016)
2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.,
3. Sampling By Mr. Parkpoom Buasawad (ว-003-ค-0017)

Examined By.....
(Miss Apiradee Chuen-arom)
(ว-003-ค-0007)
19/04/2024



Approved By.....
(Miss Nunnaphat Bakhuntod)
(ว-003-ค-0005)
19/04/2024

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY
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Request No : W6703636

Report No. 6704-0939

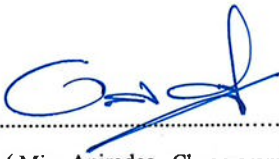
TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 17
Address : 7 I-1 Rd., Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150
Sampling Source : GC17 Polystyrene Plant Sample No. : W 67031943
Sample Name : MW 03 (ท่ายน้ำ) (น้ำใต้ดิน) Sampling Date : 27/03/2024
Sampling By : ETC Sampling Time : 9:45 AM
Sampling Method : Grab Received Date : 28/03/2024
Tested Date : 28/03/2024-19/04/2024 Reported Date : 19/04/2024

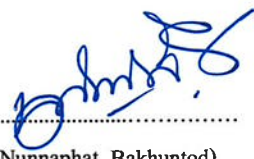
Parameter	Unit	Method	Result	Standard ¹
Ethylbenzene	mg/L	Purge and Trap Capillary-Column / GC – MS (SM:6200B)	< 0.00050	≤ 2
Styrene monomer	mg/L	Purge and Trap Capillary-Column / GC – MS (SM:6200B)	< 0.00100	≤ 24

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

Remark : 1. /1 Soil and Groundwater Contamination Standard, Notification of the Ministry of Industry , B.E. 2559 (2016)
2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.,
3. Sampling By Mr. Parkpoom Buasawad (ว-003-ค-0017)

Examined By 
(Miss Apiradee Chuen-arom)
(ว-003-ค-0007)
19/04/2024



Approved By 
(Miss Nunnaphat Bakhuntod)
(ว-003-ค-0005)
19/04/2024

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY
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การตรวจสอบระดับน้ำและทิศทางการไหลของน้ำใต้ดิน

ผลการทดสอบคุณภาพดิน

Request No : W6703637

Report No. 6704-0933

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 17
Address : 7 I-1 Rd., Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150
Sampling Source : GC17 Polystyrene Plant Sample No. : W 67031945
Sample Name : MW 05 (เหนือหน้า) (ดิน) Sampling Date : 27/03/2024
Sampling By : ETC Sampling Time : 9:35 AM
Sampling Method : Grab Received Date : 28/03/2024
Tested Date : 02/04/2024-19/04/2024 Reported Date : 19/04/2024

Parameter	Unit	Method	Result	Standard ¹
Ethylbenzene	mg/kg	Purge-and-Trap / GC – MS (U.S. EPA Method 8260D, 5035A)	< 0.010	≤ 230
Styrene monomer	mg/kg	Purge-and-Trap / GC – MS (U.S. EPA Method 8260D, 5035A)	< 0.010	≤ 1,700

Physical Apperance : 1. Sample : brown, soil

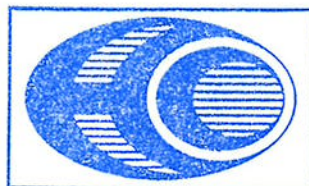
2. Container : Bag

Remark : 1. /1 Soil and Groundwater Contamination Standard, Notification of the Ministry of Industry , B.E. 2559 (2016)
2. Sampling By Mr. Supharerk Phatklang (จ-003-ค-0031)
3. United States Environmental Protection Agency. SW-846 Method 8260D, 2018., 5035A, 2002.

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

(จ-003-ค-0007)

19/04/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....
(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

19/04/2024

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY
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Request No : W6703637

Report No. 6704-0934

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 17
Address : 7 I-1 Rd., Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150
Sampling Source : GC17 Polystyrene Plant Sample No. : W 67031946
Sample Name : MW 02 (ทำยาน้ำ) (ดิน) Sampling Date : 27/03/2024
Sampling By : ETC Sampling Time : 10:05 AM
Sampling Method : Grab Received Date : 28/03/2024
Tested Date : 02/04/2024-19/04/2024 Reported Date : 19/04/2024

Parameter	Unit	Method	Result	Standard ¹
Ethylbenzene	mg/kg	Purge-and-Trap / GC – MS (U.S. EPA Method 8260D, 5035A)	< 0.010	≤ 230
Styrene monomer	mg/kg	Purge-and-Trap / GC – MS (U.S. EPA Method 8260D, 5035A)	< 0.010	≤ 1,700

Physical Appearance : 1. Sample : brown, soil

2. Container : Bag

Remark : 1. /1 Soil and Groundwater Contamination Standard, Notification of the Ministry of Industry , B.E. 2559 (2016)
2. Sampling By Mr. Supharek Phatklang (จ-003-ค-0031)
3. United States Environmental Protection Agency. SW-846 Method 8260D, 2018., 5035A, 2002.

Examined By

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

19/04/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

19/04/2024

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY
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Request No : W6703637

Report No. 6704-0935

TEST REPORT

Customer : PTT Global Chemical Public Company Limited Branch 17
Address : 7 I-1 Rd., Map Ta Phut Industrial Estate Map Ta Phut Rayong 21150
Sampling Source : GC17 Polystyrene Plant Sample No. : W 67031947
Sample Name : MW 03 (น้ำขี้ไก่) (ดิน) Sampling Date : 27/03/2024
Sampling By : ETC Sampling Time : 9:50 AM
Sampling Method : Grab Received Date : 28/03/2024
Tested Date : 02/04/2024-19/04/2024 Reported Date : 19/04/2024

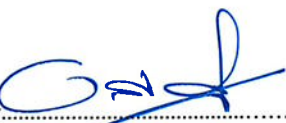
Parameter	Unit	Method	Result	Standard ¹
Ethylbenzene	mg/kg	Purge-and-Trap / GC – MS (U.S. EPA Method 8260D, 5035A)	< 0.010	≤ 230
Styrene monomer	mg/kg	Purge-and-Trap / GC – MS (U.S. EPA Method 8260D, 5035A)	< 0.010	≤ 1,700

Physical Apperance : 1. Sample : brown, soil

2. Container : Bag

Remark : 1. /1 Soil and Groundwater Contamination Standard, Notification of the Ministry of Industry , B.E. 2559 (2016)
2. Sampling By Mr. Supharerk Phatklang (ว-003-ค-0031)
3. United States Environmental Protection Agency. SW-846 Method 8260D, 2018., 5035A, 2002.

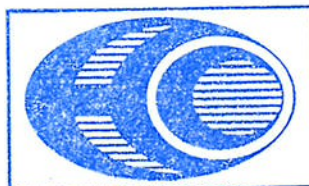
Examined By



(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

19/04/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By



(Miss Nunnaphat Bakhuntod)

(ว-003-ค-0005)

19/04/2024

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ผลการทดสอบคุณภาพอากาศในบริเวณการทำงาน

Request No. ATR6704014

Report No. 6704-0339

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7,I-1 Road, Map Ta Phut Industrial Estate, Map Ta Phut, Muang Rayong, Rayong, 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE NAME : ปริมาณ Pelletizer 1
SAMPLING DATE : 02/04/2024 SAMPLE NO. : A67040339
RECEIVED DATE : 05/04/2024 SAMPLING TIME : 08:55-10:55
SAMPLING INSTRUMENT : Personal Pump Flow rate 2.00 L/min TESTED DATE : 05/04/2024-05/04/2024
Serial No. 20180903083 REPORTED DATE : 12/04/2024

PARAMETER*	TEST METHOD	RESULT	STD ^{1/}	STD ^{2/}	UNIT
Particulates Not Otherwise Regulated (PNOR)					
Total Dust	Gravimetric	< 0.8	15	10	mg/m ³

REMARK:^{1/} Occupational Safety and Health Administration (OSHA) ; Standard Number 1910.1000 Table Z-1 Limits for Air Contaminants.^{2/} American Conference of Government Industrial Hygienists (ACGIH) B.E. 2565 (2022)

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

(Sampling By Mr. Suttha Songthaninai)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....

(Mr. Kawee Suthasub)

12/04/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Request No. ATR6706059

Report No. 6706-1297

TEST REPORT

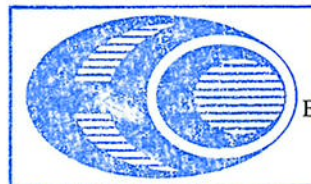
CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7,I-1 Road, Map Ta Phut Industrial Estate, Map Ta Phut, Muang Rayong, Rayong, 21150
SAMPLE SOURCE : GC 17 Polystyrene Plant
SAMPLE NAME : ปริเวณ Pelletizer 1
SAMPLING DATE : 13/06/2024 SAMPLE NO. : A67061297
RECEIVED DATE : 20/06/2024 SAMPLING TIME : 08:44-10:44
SAMPLING INSTRUMENT : Personal Pump Flow rate 2.00 L/min TESTED DATE : 20/06/2024-24/06/2024
Serial No. 20180903078 REPORTED DATE : 25/06/2024

PARAMETER*	TEST METHOD	RESULT	STD ¹	STD ²	UNIT
Particulates Not Otherwise Regulated (PNOR)					
Total Dust	Gravimetric	< 0.8	15	10	mg/m ³

REMARK:¹ Occupational Safety and Health Administration (OSHA) ; Standard Number 1910.1000 Table Z-1 Limits for Air Contaminants.² American Conference of Government Industrial Hygienists (ACGIH) B.E. 2565 (2022)

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

(Sampling By Mr. Suttha Songthaninai)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....

(Mr. Kawee Suthasub)

25/06/2024

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Request No. ATR6704014

Report No. 6704-0340

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7,I-1 Road, Map Ta Phut Industrial Estate, Map Ta Phut, Muang Rayong, Rayong, 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE NAME : ปริเวณ Pelletizer 1
SAMPLING DATE : 02/04/2024 SAMPLE NO. : A67040340
RECEIVED DATE : 05/04/2024 SAMPLING TIME : 08:55-10:55
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 05/04/2024-11/04/2024
Serial No. 218432 REPORTED DATE : 12/04/2024

PARAMETER*	TEST METHOD	RESULT	STD ^{/1}	STD ^{/2}	UNIT
Styrene monomer	Sorbent Adsorption, Gas	< 3.78	426	42	mg/m ³
	Chromatography/NIOSH 1501	< 0.89	100	10	ppm

REMARK:

^{/1} Notification of The Department of Labour Protection and Welfare B.E.2560 (2017), Concentration Limits of Hazardous Chemicals.^{/2} American Conference of Government Industrial Hygienists (ACGIH) B.E. 2565 (2022)

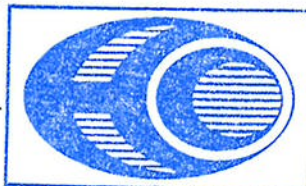
* Parameter have License Registration of Department of Labour Protection and Welfare No.0201-03-2564-0008 and No.0202-03-2564-0005.

(Sampling By Mr. Suttha Songthaninai)

Examined By

(Miss Thanatporn Klinsopon)

12/04/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(Mr. Kawee Suthasub)

12/04/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Request No. ATR6706059

Report No. 6706-1298

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7,I-1 Road, Map Ta Phut Industrial Estate, Map Ta Phut, Muang Rayong, Rayong, 21150
SAMPLE SOURCE : GC 17 Polystyrene Plant
SAMPLE NAME : ปริมาณ Pelletizer 1
SAMPLING DATE : 13/06/2024 SAMPLE NO. : A67061298
RECEIVED DATE : 20/06/2024 SAMPLING TIME : 08:44-10:44
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 20/06/2024-21/06/2024
Serial No. 218383 REPORTED DATE : 25/06/2024

PARAMETER*	TEST METHOD	RESULT	STD ¹	STD ²	UNIT
Styrene monomer	Sorbent Adsorption, Gas	< 3.78	426	42	mg/m ³
	Chromatography/NIOSH 1501	< 0.89	100	10	ppm

REMARK:¹ Notification of The Department of Labour Protection and Welfare B.E.2560 (2017), Concentration Limits of Hazardous Chemicals.² American Conference of Government Industrial Hygienists (ACGIH) B.E. 2565 (2022)

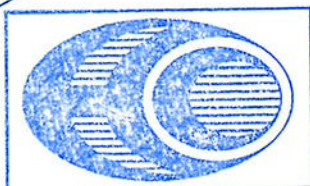
* Parameter have License Registration of Department of Labour Protection and Welfare No.0201-03-2564-0008 and No.0202-03-2564-0005.

(Sampling By Mr. Suttha Songthaninai)

Examined By

(Miss Thanatporn Klinsopon)

25/06/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(Mr. Kawee Suthasub)

25/06/2024

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Request No. ATR6704014

Report No. 6704-0341

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7,I-1 Road, Map Ta Phut Industrial Estate, Map Ta Phut, Muang Rayong, Rayong, 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE NAME : ปริเวณ Pelletizer 1
SAMPLING DATE : 02/04/2024 SAMPLE NO. : A67040341
RECEIVED DATE : 05/04/2024 SAMPLING TIME : 08:55-10:55
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 05/04/2024-11/04/2024
Serial No. 218432 REPORTED DATE : 12/04/2024

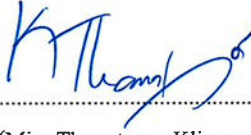
PARAMETER*	TEST METHOD	RESULT	STD ^{/1}	STD ^{/2}	UNIT
Ethylbenzene	Sorbent Adsorption, Gas	< 3.63	435	87	mg/m ³
	Chromatography/NIOSH 1501	< 0.83	100	20	ppm

REMARK:

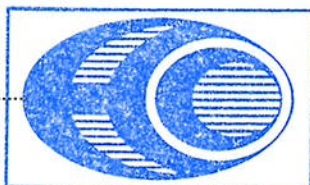
^{/1} Notification of The Department of Labour Protection and Welfare B.E.2560 (2017), Concentration Limits of Hazardous Chemicals.^{/2} American Conference of Government Industrial Hygienists (ACGIH) B.E. 2565 (2022)

* 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)

Examined By 
(Miss Thanatporn Klinsopon)

12/04/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By 
(Mr. Kawee Suthasub)

12/04/2024

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

Request No. ATR6706059

Report No. 6706-1299

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7,I-1 Road, Map Ta Phut Industrial Estate, Map Ta Phut, Muang Rayong, Rayong, 21150
SAMPLE SOURCE : GC 17 Polystyrene Plant
SAMPLE NAME : ปริเวณ Pelletizer 1
SAMPLING DATE : 13/06/2024 SAMPLE NO. : A67061299
RECEIVED DATE : 20/06/2024 SAMPLING TIME : 08:44-10:44
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 20/06/2024-21/06/2024
Serial No. 218391 REPORTED DATE : 25/06/2024

PARAMETER*	TEST METHOD	RESULT	STD ^{/1}	STD ^{/2}	UNIT
Ethylbenzene	Sorbent Adsorption, Gas	< 3.63	435	87	mg/m ³
	Chromatography/NIOSH 1501	< 0.83	100	20	ppm

REMARK:^{/1} Notification of The Department of Labour Protection and Welfare B.E.2560 (2017), Concentration Limits of Hazardous Chemicals.^{/2} American Conference of Government Industrial Hygienists (ACGIH) B.E. 2565 (2022)

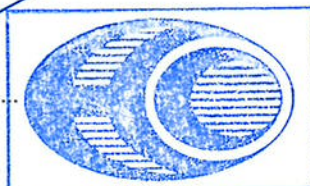
* Parameter have License Registration of Department of Labour Protection and Welfare No.0201-03-2564-0008 and
No.0202-03-2564-0005.

(Sampling By Mr. Suttha Songthaninai)

Examined By

(Miss Thanatporn Klinsopon)

25/06/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(Mr. Kawee Suthasub)

25/06/2024

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

Request No. ATR6704014

Report No. 6704-0342

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7,I-1 Road, Map Ta Phut Industrial Estate, Map Ta Phut, Muang Rayong, Rayong, 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE NAME : ปริเวณ Pelletizer 2
SAMPLING DATE : 02/04/2024 SAMPLE NO. : A67040342
RECEIVED DATE : 05/04/2024 SAMPLING TIME : 08:48-10:48
SAMPLING INSTRUMENT : Personal Pump Flow rate 2.00 L/min TESTED DATE : 05/04/2024-05/04/2024
Serial No. 20200403065 REPORTED DATE : 12/04/2024

PARAMETER*	TEST METHOD	RESULT	STD ^{1/}	STD ^{2/}	UNIT
Particulates Not Otherwise Regulated (PNOR)					
Total Dust	Gravimetric	1.0	15	10	mg/m ³

REMARK:^{1/} Occupational Safety and Health Administration (OSHA) ; Standard Number 1910.1000 Table Z-1 Limits for Air Contaminants.^{2/} American Conference of Government Industrial Hygienists (ACGIH) B.E. 2565 (2022)

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

(Sampling By Mr. Suttha Songthaninai)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....

(Mr. Kawee Suthasub)

12/04/2024

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Request No. ATR6706059

Report No. 6706-1300

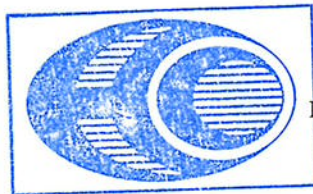
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7,I-1 Road, Map Ta Phut Industrial Estate, Map Ta Phut, Muang Rayong, Rayong, 21150
SAMPLE SOURCE : GC 17 Polystyrene Plant
SAMPLE NAME : บริเวณ Pelletizer 2
SAMPLING DATE : 13/06/2024 SAMPLE NO. : A67061300
RECEIVED DATE : 20/06/2024 SAMPLING TIME : 08:33-10:33
SAMPLING INSTRUMENT : Personal Pump Flow rate 2.00 L/min TESTED DATE : 20/06/2024-24/06/2024
Serial No. 20211102105 REPORTED DATE : 25/06/2024

PARAMETER*	TEST METHOD	RESULT	STD ^{/1}	STD ^{/2}	UNIT
Particulates Not Otherwise Regulated (PNOR)					
Total Dust	Gravimetric	< 0.8	15	10	mg/m ³

REMARK:^{/1} Occupational Safety and Health Administration (OSHA) ; Standard Number 1910.1000 Table Z-1 Limits for Air Contaminants.^{/2} American Conference of Government Industrial Hygienists (ACGIH) B.E. 2565 (2022)

* Parameter not have License Registration of Department of Labour Protection and Welfare.
(Sampling By Mr. Suttha Songthaninai)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....

(Mr. Kawee Suthasub)

25/06/2024

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

Request No. ATR6704014

Report No. 6704-0343

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7,I-1 Road, Map Ta Phut Industrial Estate, Map Ta Phut, Muang Rayong, Rayong, 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE NAME : บรีเวณ Pelletizer 2
SAMPLING DATE : 02/04/2024 SAMPLE NO. : A67040343
RECEIVED DATE : 05/04/2024 SAMPLING TIME : 08:48-10:48
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 05/04/2024-11/04/2024
Serial No. 218413 REPORTED DATE : 12/04/2024

PARAMETER*	TEST METHOD	RESULT	STD ¹	STD ²	UNIT
Styrene monomer	Sorbent Adsorption, Gas	< 3.78	426	42	mg/m ³
	Chromatography/NIOSH 1501	< 0.89	100	10	ppm

REMARK:

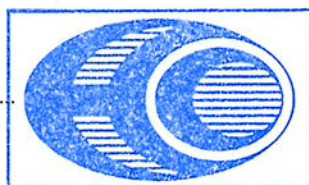
¹ Notification of The Department of Labour Protection and Welfare B.E.2560 (2017), Concentration Limits of Hazardous Chemicals.² American Conference of Government Industrial Hygienists (ACGIH) B.E. 2565 (2022)* Parameter have License Registration of Department of Labour Protection and Welfare No.0201-03-2564-0008 and
No.0202-03-2564-0005.

(Sampling By Mr. Suttha Songthaninai)

Examined By

(Miss Thanatporn Klinsopon)

12/04/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(Mr. Kawee Suthasub)

12/04/2024

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Request No. ATR6706059

Report No. 6706-1301

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7,I-1 Road, Map Ta Phut Industrial Estate, Map Ta Phut, Muang Rayong, Rayong, 21150
SAMPLE SOURCE : GC 17 Polystyrene Plant
SAMPLE NAME : ปริมาณ Pelletizer 2
SAMPLING DATE : 13/06/2024 SAMPLE NO. : A67061301
RECEIVED DATE : 20/06/2024 SAMPLING TIME : 08:33-10:33
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 20/06/2024-21/06/2024
Serial No. 218385 REPORTED DATE : 25/06/2024

PARAMETER*	TEST METHOD	RESULT	STD ¹	STD ²	UNIT
Styrene monomer	Sorbent Adsorption, Gas	< 3.78	426	42	mg/m ³
	Chromatography/NIOSH 1501	< 0.89	100	10	ppm

REMARK:¹ Notification of The Department of Labour Protection and Welfare B.E.2560 (2017), Concentration Limits of Hazardous Chemicals.² American Conference of Government Industrial Hygienists (ACGIH) B.E. 2565 (2022)

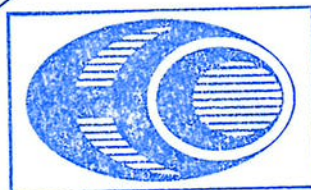
* Parameter have License Registration of Department of Labour Protection and Welfare No.0201-03-2564-0008 and
No.0202-03-2564-0005.

(Sampling By Mr. Suttha Songthaninai)

Examined By

(Miss Thanatporn Klinsopon)

25/06/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(Mr. Kawee Suthasub)

25/06/2024

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Request No. ATR6704014

Report No. 6704-0344

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7,I-1 Road, Map Ta Phut Industrial Estate, Map Ta Phut, Muang Rayong, Rayong, 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE NAME : บริเวณ Zn Loading at Plant 1
SAMPLING DATE : 02/04/2024 SAMPLE NO. : A67040344
RECEIVED DATE : 05/04/2024 SAMPLING TIME : 08:54-10:54
SAMPLING INSTRUMENT : Personal Pump Flow rate 2.00 L/min TESTED DATE : 05/04/2024-05/04/2024
Serial No. 20200403063 REPORTED DATE : 12/04/2024

PARAMETER*	TEST METHOD	RESULT	STD ¹	STD ²	UNIT
Particulates Not Otherwise Regulated (PNOR)					
Total Dust	Gravimetric	0.8	15	10	mg/m ³

REMARK:¹ Occupational Safety and Health Administration (OSHA) ; Standard Number 1910.1000 Table Z-1 Limits for Air Contaminants.² American Conference of Government Industrial Hygienists (ACGIH) B.E. 2565 (2022)

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

(Sampling By Mr. Suttha Songthaninai)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....

(Mr. Kawee Suthasub)

12/04/2024

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THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
WITHOUT THE WRITTEN APPROVAL LABORATORY

Request No. ATR6706059

Report No. 6706-1302

TEST REPORT

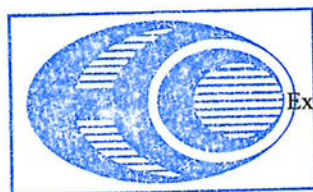
CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7,I-1 Road, Map Ta Phut Industrial Estate, Map Ta Phut, Muang Rayong, Rayong, 21150
SAMPLE SOURCE : GC 17 Polystyrene Plant
SAMPLE NAME : บริเวณ Zn Loading at Plant 1
SAMPLING DATE : 13/06/2024 SAMPLE NO. : A67061302
RECEIVED DATE : 20/06/2024 SAMPLING TIME : 10:30-12:30
SAMPLING INSTRUMENT : Personal Pump Flow rate 2.00 L/min TESTED DATE : 20/06/2024-24/06/2024
Serial No. 20200403071 REPORTED DATE : 25/06/2024

PARAMETER*	TEST METHOD	RESULT	STD ¹	STD ²	UNIT
Particulates Not Otherwise Regulated (PNOR)					
Total Dust	Gravimetric	< 0.8	15	10	mg/m ³

REMARK:¹ Occupational Safety and Health Administration (OSHA) ; Standard Number 1910.1000 Table Z-1 Limits for Air Contaminants.² American Conference of Government Industrial Hygienists (ACGIH) B.E. 2565 (2022)

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

(Sampling By Mr. Suttha Songthaninai)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....

(Mr. Kawee Suthasub)

25/06/2024

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Request No. ATR6704014

Report No. 6704-0345

TEST REPORT

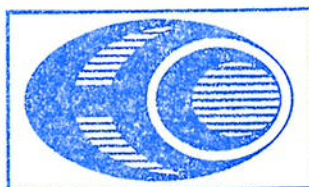
CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7,I-1 Road, Map Ta Phut Industrial Estate, Map Ta Phut, Muang Rayong, Rayong, 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE NAME : บริเวณ Zn Loading at Plant 2
SAMPLING DATE : 02/04/2024 SAMPLE NO. : A67040345
RECEIVED DATE : 05/04/2024 SAMPLING TIME : 08:45-10:45
SAMPLING INSTRUMENT : Personal Pump Flow rate 2.00 L/min TESTED DATE : 05/04/2024-05/04/2024
Serial No. 20200403079 REPORTED DATE : 12/04/2024

PARAMETER*	TEST METHOD	RESULT	STD ¹	STD ²	UNIT
Particulates Not Otherwise Regulated (PNOR)					
Total Dust	Gravimetric	0.8	15	10	mg/m ³

REMARK:¹ Occupational Safety and Health Administration (OSHA) ; Standard Number 1910.1000 Table Z-1 Limits for Air Contaminants.² American Conference of Government Industrial Hygienists (ACGIH) B.E. 2565 (2022)

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

(Sampling By Mr. Suttha Songthaninai)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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Examined By.....

(Mr. Kawee Suthasub)

12/04/2024

Request No. ATR6706059

Report No. 6706-1303

TEST REPORT

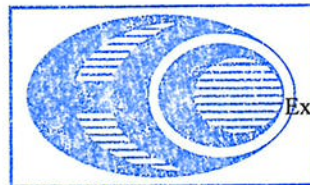
CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7,I-1 Road, Map Ta Phut Industrial Estate, Map Ta Phut, Muang Rayong, Rayong, 21150
SAMPLE SOURCE : GC 17 Polystyrene Plant
SAMPLE NAME : ปริมาณ Zn Loading at Plant 2
SAMPLING DATE : 13/06/2024 SAMPLE NO. : A67061303
RECEIVED DATE : 20/06/2024 SAMPLING TIME : 10:30-12:30
SAMPLING INSTRUMENT : Personal Pump Flow rate 2.00 L/min TESTED DATE : 20/06/2024-24/06/2024
Serial No. 20200403061 REPORTED DATE : 25/06/2024

PARAMETER*	TEST METHOD	RESULT	STD ^{/1}	STD ^{/2}	UNIT
Particulates Not Otherwise Regulated (PNOR)					
Total Dust	Gravimetric	1.0	15	10	mg/m ³

REMARK:^{/1} Occupational Safety and Health Administration (OSHA) ; Standard Number 1910.1000 Table Z-1 Limits for Air Contaminants.^{/2} American Conference of Government Industrial Hygienists (ACGIH) B.E. 2565 (2022)

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

(Sampling By Mr. Suttha Songthaninai)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....

(Mr. Kawee Suthasub)

25/06/2024

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Request No. ATR6704014

Report No. 6704-0346

TEST REPORT

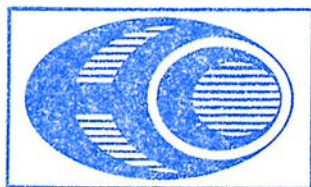
CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7,I-1 Road, Map Ta Phut Industrial Estate, Map Ta Phut, Muang Rayong, Rayong, 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE NAME : บริเวณ Bagging Unit
SAMPLING DATE : 02/04/2024 SAMPLE NO. : A67040346
RECEIVED DATE : 05/04/2024 SAMPLING TIME : 08:40-10:40
SAMPLING INSTRUMENT : Personal Pump Flow rate 2.00 L/min TESTED DATE : 05/04/2024-05/04/2024
Serial No. 20200403073 REPORTED DATE : 12/04/2024

PARAMETER*	TEST METHOD	RESULT	STD ^{1/}	STD ^{2/}	UNIT
Particulates Not Otherwise Regulated (PNOR)					
Total Dust	Gravimetric	< 0.8	15	10	mg/m ³

REMARK:^{1/} Occupational Safety and Health Administration (OSHA) ; Standard Number 1910.1000 Table Z-1 Limits for Air Contaminants.^{2/} American Conference of Government Industrial Hygienists (ACGIH) B.E. 2565 (2022)

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

(Sampling By Mr. Suttha Songthaninai)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....

(Mr. Kawee Suthasub)

12/04/2024

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Request No. ATR6706059

Report No. 6706-1304

TEST REPORT

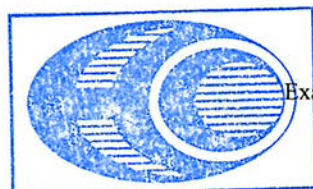
CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7,I-1 Road, Map Ta Phut Industrial Estate, Map Ta Phut, Muang Rayong, Rayong, 21150
SAMPLE SOURCE : GC 17 Polystyrene Plant
SAMPLE NAME : บริเวณ Bagging Unit
SAMPLING DATE : 13/06/2024 SAMPLE NO. : A67061304
RECEIVED DATE : 20/06/2024 SAMPLING TIME : 09:03-11:03
SAMPLING INSTRUMENT : Personal Pump Flow rate 2.00 L/min TESTED DATE : 20/06/2024-24/06/2024
Serial No. 20211102103 REPORTED DATE : 25/06/2024

PARAMETER*	TEST METHOD	RESULT	STD ¹	STD ²	UNIT
Particulates Not Otherwise Regulated (PNOR)					
Total Dust	Gravimetric	< 0.8	15	10	mg/m ³

REMARK:¹ Occupational Safety and Health Administration (OSHA) ; Standard Number 1910.1000 Table Z-1 Limits for Air Contaminants.² American Conference of Government Industrial Hygienists (ACGIH) B.E. 2565 (2022)

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

(Sampling By Mr. Suttha Songthaninai)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....

(Mr. Kawee Suthasub)

25/06/2024

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Request No. ATR6704014

Report No. 6704-0347

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7,I-1 Road, Map Ta Phut Industrial Estate, Map Ta Phut, Muang Rayong, Rayong, 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE NAME : บริเวณห้องคัดแยก
SAMPLING DATE : 02/04/2024
RECEIVED DATE : 05/04/2024
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min
Serial No. 218402

SAMPLE NO. : A67040347
SAMPLING TIME : 08:50-10:50
TESTED DATE : 05/04/2024-11/04/2024
REPORTED DATE : 12/04/2024

PARAMETER*	TEST METHOD	RESULT	STD ^{/1}	STD ^{/2}	UNIT
Styrene monomer	Sorbent Adsorption, Gas	< 3.78	426	42	mg/m ³
	Chromatography/NIOSH 1501	< 0.89	100	10	ppm

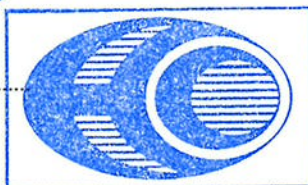
REMARK:^{/1} Notification of The Department of Labour Protection and Welfare B.E.2560 (2017), Concentration Limits of Hazardous Chemicals.^{/2} American Conference of Government Industrial Hygienists (ACGIH) B.E. 2565 (2022)* Parameter have License Registration of Department of Labour Protection and Welfare No.0201-03-2564-0008 and
No.0202-03-2564-0005.

(Sampling By Mr. Suttha Songthaninai)

Examined By

(Miss Thanatporn Klinsopon)

12/04/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Approved By

(Mr. Kawee Suthasub)

12/04/2024

Request No. ATR6706059

Report No. 6706-1305

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7,I-1 Road, Map Ta Phut Industrial Estate, Map Ta Phut, Muang Rayong, Rayong, 21150
SAMPLE SOURCE : GC 17 Polystyrene Plant
SAMPLE NAME : บริเวณห้องตัดยาง
SAMPLING DATE : 13/06/2024 SAMPLE NO. : A67061305
RECEIVED DATE : 20/06/2024 SAMPLING TIME : 08:35-10:35
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 20/06/2024-21/06/2024
Serial No. 218405 REPORTED DATE : 25/06/2024

PARAMETER*	TEST METHOD	RESULT	STD ¹	STD ²	UNIT
Styrene monomer	Sorbent Adsorption, Gas	< 3.78	426	42	mg/m ³
	Chromatography/NIOSH 1501	< 0.89	100	10	ppm

REMARK:

¹ Notification of The Department of Labour Protection and Welfare B.E.2560 (2017), Concentration Limits of Hazardous Chemicals.² American Conference of Government Industrial Hygienists (ACGIH) B.E. 2565 (2022)

* 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)

Examined By

(Miss Thanatporn Klinsopon)

25/06/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(Mr. Kawee Suthasub)

25/06/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Request No. ATR6704023

Report No. 6704-0503


TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7,I-1 Road, Map Ta Phut Industrial Estate, Map Ta Phut, Muang Rayong, Rayong, 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE NAME : บริเวณ SM Truck Loading
SAMPLING DATE : 05/04/2024 SAMPLE NO. : A67040503
RECEIVED DATE : 08/04/2024 SAMPLING TIME : 09:20-10:20
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 08/04/2024-11/04/2024
Serial No. 218403 REPORTED DATE : 18/04/2024

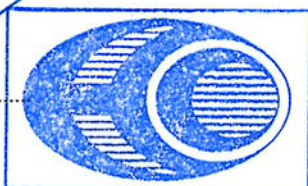
PARAMETER*	TEST METHOD	RESULT	STD ^{/1}	STD ^{/2}	UNIT
Styrene monomer	Sorbent Adsorption, Gas	< 3.78	426	42	mg/m ³
	Chromatography/NIOSH 1501	< 0.89	100	10	ppm

REMARK:^{/1} Notification of The Department of Labour Protection and Welfare B.E.2560 (2017), Concentration Limits of Hazardous Chemicals.^{/2} American Conference of Government Industrial Hygienists (ACGIH) B.E. 2565 (2022)* 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. Witchawan Singto)

Examined By 
(Miss Thanatporn Klinsopon)

18/04/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By 
(Mr. Kawee Suthasub)

18/04/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Request No. ATR6702020

Report No. 6702-0272

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7,I-1 Road, Map Ta Phut Industrial Estate, Map Ta Phut, Muang Rayong, Rayong, 21150
SAMPLE SOURCE : GC 17 Polystyrene Plant
SAMPLE NAME : บริเวณจุดขนถ่าย Ethylbenzene
SAMPLING DATE : 09/02/2024 SAMPLE NO. : A67020272
RECEIVED DATE : 12/02/2024 SAMPLING TIME : 16:00-17:00
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 12/02/2024-15/02/2024
Serial No. 218444 REPORTED DATE : 19/02/2024

PARAMETER*	TEST METHOD	RESULT	STD ^{1/}	STD ^{2/}	UNIT
Ethylbenzene	Sorbent Adsorption, Gas	< 3.63	435	87	mg/m ³
	Chromatography/NIOSH 1501	< 0.83	100	20	ppm

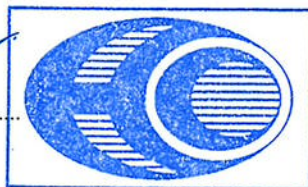
REMARK:^{1/} Notification of The Department of Labour Protection and Welfare B.E.2560 (2017), Concentration Limits of Hazardous Chemicals.^{2/} American Conference of Government Industrial Hygienists (ACGIH) B.E. 2565 (2022)* Parameter have License Registration of Department of Labour Protection and Welfare No.0201-03-2564-0008 and
No.0202-03-2564-0005.

(Sampling By Mr. Aocha Khwansirimongkon)

Examined By

(Miss Thanatporn Klinsopon)

19/02/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(Mr. Kawee Suthasub)

19/02/2024

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ผลการตรวจวัดระดับเสียงในบริเวณการทำงาน

Request No. LA67-R0426

Report No. R6704-1100

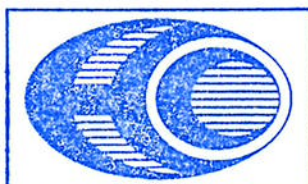
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
 ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
 SAMPLE SOURCE : GC17 Polystyrene Plant
 SAMPLE POINT : ห้องตัดเม็ด (X-133)
 PARAMETER* : L_{eq} 1 hr., L_{eq} 12 hr. & L_{max} SAMPLE NO. : 07048
 DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 02/04/2024
 INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 02/04/2024
 S/N 00322749 : Class 2 REPORTED DATE : 08/04/2024

MEASURING TIME	RESULT		UNIT
	L_{eq} 1 hr.	L_{max}	
07:25-08:25	83.2	87.5	dB(A)
08:25-09:25	67.5	72.2	dB(A)
09:25-10:25	68.2	71.9	dB(A)
10:25-11:25	68.1	71.9	dB(A)
11:25-12:25	67.2	71.3	dB(A)
12:25-13:25	67.3	72.0	dB(A)
13:25-14:25	67.9	69.7	dB(A)
14:25-15:25	67.7	69.7	dB(A)
15:25-16:25	68.1	69.6	dB(A)
16:25-17:25	68.2	70.9	dB(A)
17:25-18:25	67.9	75.1	dB(A)
18:25-19:25	86.4	88.1	dB(A)
L_{eq} 12 hr.	77.7	—	dB(A)
Standard	$87^{/1}$	$140^{/1}, 115^{/2}$	dB(A)

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

* Measurement By Ms. Yonlada Pale



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MRS. WANPEN LHAOCHINDAWAT)

08/04/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Request No. LA67-R0426

Report No. R6704-1097

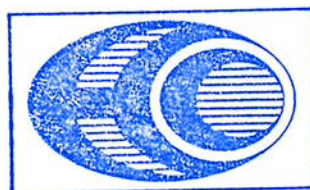
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
 ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
 SAMPLE SOURCE : GC17 Polystyrene Plant
 SAMPLE POINT : ห้องตัดเม็ด (2X-233)
 PARAMETER* : L_{eq} 1 hr., L_{eq} 12 hr. & L_{max} SAMPLE NO. : 07045
 DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 02/04/2024
 INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 02/04/2024
 S/N 00222593 : Class 2 REPORTED DATE : 08/04/2024

MEASURING TIME	RESULT		UNIT
	L_{eq} 1 hr.	L_{max}	
07:15-08:15	88.8	91.6	dB(A)
08:15-09:15	73.9	76.0	dB(A)
09:15-10:15	74.3	76.0	dB(A)
10:15-11:15	74.4	76.0	dB(A)
11:15-12:15	73.6	75.6	dB(A)
12:15-13:15	73.6	75.9	dB(A)
13:15-14:15	71.3	75.0	dB(A)
14:15-15:15	71.6	74.2	dB(A)
15:15-16:15	73.4	76.2	dB(A)
16:15-17:15	73.5	76.1	dB(A)
17:15-18:15	72.2	75.1	dB(A)
18:15-19:15	88.3	90.9	dB(A)
L_{eq} 12 hr.	81.4	—	dB(A)
Standard	87 ^{/1}	140 ^{/1} , 115 ^{/2}	dB(A)

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

* Measurement By Ms. Yonlada Pale



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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Approved By

(MRS. WANPEN LHAOCHINDAWAT)

08/04/2024

Request No. LA67-R0426

Report No. R6704-1101

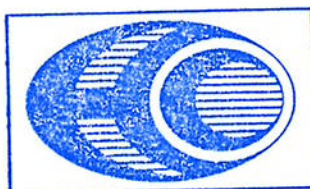
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
 ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
 SAMPLE SOURCE : GC17 Polystyrene Plant
 SAMPLE POINT : Bagging Unit
 PARAMETER* : L_{eq} 1 hr., L_{eq} 8 hr. & L_{max} SAMPLE NO. : 07049
 DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 02/04/2024
 INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 03/04/2024
 S/N 00222594 : Class 2 REPORTED DATE : 08/04/2024

MEASURING TIME	RESULT		UNIT
	L_{eq} 1 hr.	L_{max}	
08:10-09:10	64.9	69.4	dB(A)
09:10-10:10	70.6	82.3	dB(A)
10:10-11:10	78.4	87.4	dB(A)
11:10-12:10	80.0	84.8	dB(A)
12:10-13:10	75.9	84.1	dB(A)
13:10-14:10	66.6	79.3	dB(A)
14:10-15:10	79.3	85.0	dB(A)
15:10-16:10	80.8	89.8	dB(A)
L_{eq} 8 hr.	77.3	—	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. Yonlada Pale



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By 

(MRS. WANPEN LHAOCHINDAWAT)

08/04/2024

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Request No. LA67-R0426

Report No. R6704-1099

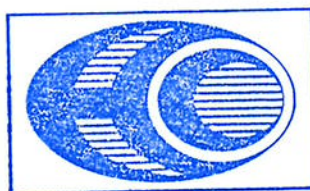
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
 ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
 SAMPLE SOURCE : GC17 Polystyrene Plant
 SAMPLE POINT : Vacuum Pump
 PARAMETER* : L_{eq} 1 hr., L_{eq} 12 hr. & L_{max} SAMPLE NO. : 07047
 DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 02/04/2024
 INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 02/04/2024
 S/N 00322746 : Class 2 REPORTED DATE : 08/04/2024

MEASURING TIME	RESULT		UNIT
	L_{eq} 1 hr.	L_{max}	
07:20-08:20	86.2	89.5	dB(A)
08:20-09:20	81.4	87.2	dB(A)
09:20-10:20	81.4	83.0	dB(A)
10:20-11:20	81.3	82.4	dB(A)
11:20-12:20	81.3	82.2	dB(A)
12:20-13:20	81.2	81.6	dB(A)
13:20-14:20	81.2	82.8	dB(A)
14:20-15:20	81.2	87.5	dB(A)
15:20-16:20	81.2	83.7	dB(A)
16:20-17:20	81.3	82.9	dB(A)
17:20-18:20	81.3	82.0	dB(A)
18:20-19:20	86.0	87.8	dB(A)
L_{eq} 12 hr.	82.5	—	dB(A)
Standard	$87^{/1}$	$140^{/1}, 115^{/2}$	dB(A)

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

* Measurement By Ms. Yonlada Pale



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MRS. WANPEN LHAOCHINDAWAT)

08/04/2024

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Request No. LA67-R06115

Report No. R6706-4701

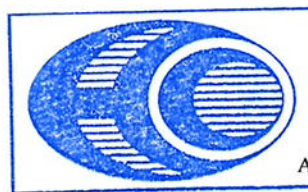
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
 ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
 SAMPLE SOURCE : GC17 Polystyrene Plant
 SAMPLE POINT : ห้องตัดยาง
 PARAMETER* : L_{eq} 1 hr., L_{eq} 12 hr. & L_{max} SAMPLE NO. : 20186
 DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 19/06/2024
 INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 19/06/2024
 S/N 00322755 : Class 2 REPORTED DATE : 24/06/2024

MEASURING TIME	RESULT		UNIT
	L_{eq} 1 hr.	L_{max}	
07:00-08:00	77.2	82.0	dB(A)
08:00-09:00	77.1	85.3	dB(A)
09:00-10:00	77.2	80.6	dB(A)
10:00-11:00	78.2	91.2	dB(A)
11:00-12:00	78.2	89.3	dB(A)
12:00-13:00	77.1	81.8	dB(A)
13:00-14:00	77.0	78.1	dB(A)
14:00-15:00	77.4	86.4	dB(A)
15:00-16:00	77.4	92.0	dB(A)
16:00-17:00	77.6	86.4	dB(A)
17:00-18:00	77.7	89.0	dB(A)
18:00-19:00	77.8	88.9	dB(A)
L_{eq} 12 hr.	77.5	—	dB(A)
Standard	$87^{/1}$	$140^{/1}, 115^{/2}$	dB(A)

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

* (Measurement By Ms. Onanong Leewongsak)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MRS. WANPEN LHAOCHINDAWAT)

24/06/2024

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ผลการตรวจวัดระดับเสียงสะสม (Noise Dose)

Request No. LA67-R0426

Report No. R6704-1083

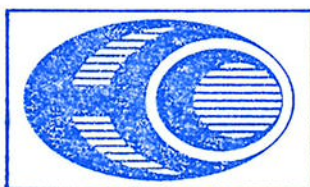
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
 ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
 SAMPLE SOURCE : GC17 Polystyrene Plant
 SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift A (Morning Shift) (คุณนันท์วัฒน์ จิตรเอื้อ ID 26004560)
 MEASURING DATE : 02/04/2024 SAMPLE NO. : 07031
 RECEIVED DATE : 03/04/2024 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0958 REPORTED DATE : 08/04/2024

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	60.2	83 ^{/1}	dB(A)
L _{max} 12 hr	86.7	115 ^{/3}	dB(A)
12 Hour dose	0.50	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	62.0	85 ^{/1}	dB(A)

REMARK :

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



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

08/04/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

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Request No. LA67-R0426

Report No. R6704-1085

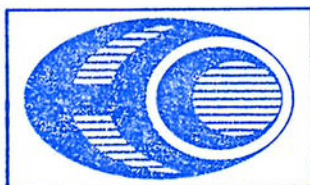
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift A (Morning Shift) (จุดตรวจ 1 ID 26004524)
MEASURING DATE : 02/04/2024 SAMPLE NO. : 07033
RECEIVED DATE : 03/04/2024 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Noise dosimeter : S/N CA8888 REPORTED DATE : 08/04/2024

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	65.3	83 ^{/1}	dB(A)
L _{max} 12 hr	97.0	115 ^{/3}	dB(A)
12 Hour dose	1.60	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	67.0	85 ^{/1}	dB(A)

REMARK :

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

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Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

08/04/2024

Request No. LA67-R0426

Report No. R6704-1086

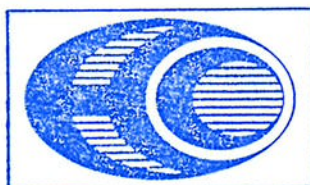
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
 ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
 SAMPLE SOURCE : GC17 Polystyrene Plant
 SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift A (Morning Shift) (คุณอริย์ไพม์ อึ้งพยัคฆ์เดช ID 26008372)
 MEASURING DATE : 02/04/2024 SAMPLE NO. : 07034
 RECEIVED DATE : 03/04/2024 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0956 REPORTED DATE : 08/04/2024

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	75.0	83 ^{/1}	dB(A)
L _{max} 12 hr	89.9	115 ^{/3}	dB(A)
12 Hour dose	15.10	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	76.8	85 ^{/1}	dB(A)

REMARK :

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

08/04/2024

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Request No. LA67-R0426

Report No. R6704-1087

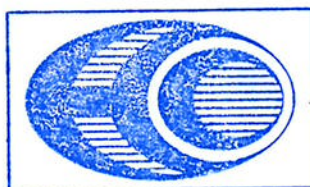
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
 ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
 SAMPLE SOURCE : GC17 Polystyrene Plant
 SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift A (Morning Shift) (คุณอิทธิพล วาดถนน ID 26004571)
 MEASURING DATE : 02/04/2024 SAMPLE NO. : 07035
 RECEIVED DATE : 03/04/2024 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0957 REPORTED DATE : 08/04/2024

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	62.3	83 ^{/1}	dB(A)
L _{max} 12 hr	82.7	115 ^{/3}	dB(A)
12 Hour dose	0.80	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	64.0	85 ^{/1}	dB(A)

REMARK :

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

08/04/2024

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Request No. LA67-R0426

Report No. R6704-1088

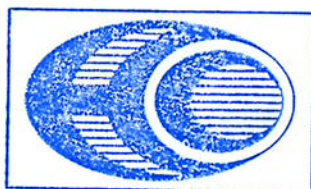
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift A (Morning Shift) (คุณจักรกริสน์ สมพรชัยกิจ ID 26004563)
MEASURING DATE : 02/04/2024 SAMPLE NO. : 07036
RECEIVED DATE : 03/04/2024 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Noise dosimeter : S/N CA8886 REPORTED DATE : 08/04/2024

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	60.2	83 ^{/1}	dB(A)
L _{max} 12 hr	87.2	115 ^{/3}	dB(A)
12 Hour dose	0.50	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	62.0	85 ^{/1}	dB(A)

REMARK :

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

08/04/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

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Request No. LA67-R06104

Report No. R6706-4553

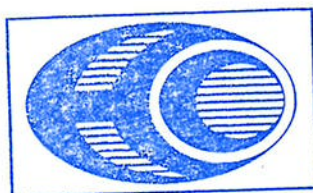
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
 ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
 SAMPLE SOURCE : GC17 Polystyrene Plant
 SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift A (Morning Shift) (คุณชัยวัฒน์ หมูแก้วเครือ ID 26004537)
 MEASURING DATE : 14/06/2024 SAMPLE NO. : 19938
 RECEIVED DATE : 14/06/2024 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0954 REPORTED DATE : 20/06/2024

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	77.1	83 ^{/1}	dB(A)
L _{max} 12 hr	93.1	115 ^{/3}	dB(A)
12 Hour dose	24.14	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	78.8	85 ^{/1}	dB(A)

REMARK :

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



Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

20/06/2024

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด
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Request No. LA67-R0441

Report No. R6704-1292

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift B (Morning Shift) (คุณปรีชา อ่อนนามวงศ์ ID 26004526)
MEASURING DATE : 05/04/2024 SAMPLE NO. : 07242
RECEIVED DATE : 05/04/2024 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0642 REPORTED DATE : 09/04/2024

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	72.9	83 ^{/1}	dB(A)
L _{max} 12 hr	89.7	115 ^{/3}	dB(A)
12 Hour dose	9.20	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	74.6	85 ^{/1}	dB(A)

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

09/04/2024

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Request No. LA67-R0441

Report No. R6704-1288

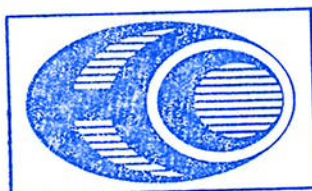
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift B (Morning Shift) (คุณนเรศ น่วมบัว ID 26004552)
MEASURING DATE : 05/04/2024 SAMPLE NO. : 07238
RECEIVED DATE : 05/04/2024 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Noise dosimeter : S/N CB1497 REPORTED DATE : 09/04/2024

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	73.3	83 ^{/1}	dB(A)
L _{max} 12 hr	95.2	115 ^{/3}	dB(A)
12 Hour dose	10.10	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	75.0	85 ^{/1}	dB(A)

REMARK :

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



Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

09/04/2024

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Request No. LA67-R0441

Report No. R6704-1289

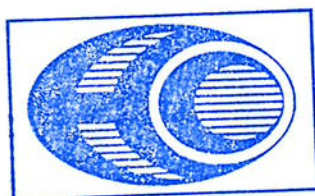
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift B (Morning Shift) (คุณสมบัติเกียรติ ทองทวีทรัพย์ ID 26004536)
MEASURING DATE : 05/04/2024 SAMPLE NO. : 07239
RECEIVED DATE : 05/04/2024 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Noise dosimeter : S/N CB1500 REPORTED DATE : 09/04/2024

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	66.9	83 ^{/1}	dB(A)
L _{max} 12 hr	86.9	115 ^{/3}	dB(A)
12 Hour dose	2.30	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	68.6	85 ^{/1}	dB(A)

REMARK :

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

09/04/2024

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Request No. LA67-R0441

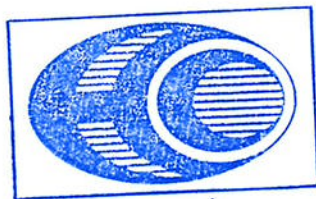
Report No. R6704-1290

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift B (Morning Shift) (คุณนิवास ใจจิตร ID 26004557)
MEASURING DATE : 05/04/2024 SAMPLE NO. : 07240
RECEIVED DATE : 05/04/2024 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Noise dosimeter : S/N CB1498 REPORTED DATE : 09/04/2024

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	62.8	83 ^{/1}	dB(A)
L _{max} 12 hr	76.9	115 ^{/3}	dB(A)
12 Hour dose	0.90	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	64.5	85 ^{/1}	dB(A)

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

09/04/2024

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Request No. LA67-R0441

Report No. R6704-1291

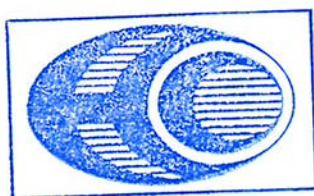
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift B (Morning Shift) (คุณภาพสินค้า โยม ID 26009930)
MEASURING DATE : 05/04/2024 SAMPLE NO. : 07241
RECEIVED DATE : 05/04/2024 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Noise dosimeter : S/N CB1499 REPORTED DATE : 09/04/2024

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	82.6	83 ^{/1}	dB(A)
L _{max} 12 hr	105.8	115 ^{/3}	dB(A)
12 Hour dose	85.60	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	84.3	85 ^{/1}	dB(A)

REMARK :

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



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Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

09/04/2024

Request No. LA67-R06116

Report No. R6706-4702

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
 ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
 SAMPLE SOURCE : GC17 Polystyrene Plant
 SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift B (Morning Shift) (จุดพิภพ สุขแสง ID 26004540)
 MEASURING DATE : 19/06/2024 SAMPLE NO. : 20187
 RECEIVED DATE : 19/06/2024 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CB1498 REPORTED DATE : 24/06/2024

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	67.4	83 ^{/1}	dB(A)
L _{max} 12 hr	88.3	115 ^{/3}	dB(A)
12 Hour dose	2.60	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	69.1	85 ^{/1}	dB(A)

REMARK :

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

24/06/2024

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Request No. LA67-R0449

Report No. R6704-1601

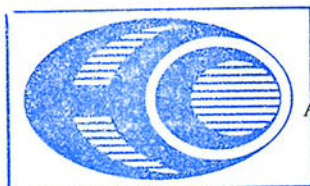
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift C (Morning Shift) (คุณสมบัติ พิสูจน์ ID 26004532)
MEASURING DATE : 08/04/2024 SAMPLE NO. : 07551
RECEIVED DATE : 08/04/2024 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0643 REPORTED DATE : 19/04/2024

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	75.1	83 ^{/1}	dB(A)
L _{max} 12 hr	97.1	115 ^{/3}	dB(A)
12 Hour dose	15.40	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	76.9	85 ^{/1}	dB(A)

REMARK :

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

19/04/2024

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Request No. LA67-R0449

Report No. R6704-1602

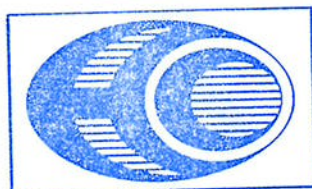
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
 ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
 SAMPLE SOURCE : GC17 Polystyrene Plant
 SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift C (Morning Shift) (คุณสมบัติ มหานคร ID 26004539)
 MEASURING DATE : 08/04/2024 SAMPLE NO. : 07552
 RECEIVED DATE : 08/04/2024 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0958 REPORTED DATE : 19/04/2024

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	60.2	83 ^{/1}	dB(A)
L _{max} 12 hr	82.7	115 ^{/3}	dB(A)
12 Hour dose	0.50	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	62.0	85 ^{/1}	dB(A)

REMARK :

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

19/04/2024

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Request No. LA67-R0449

Report No. R6704-1603

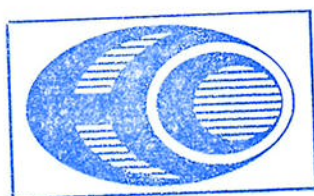
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift C (Morning Shift) (คุณสมบัติ พรหมสร ID 26004556)
MEASURING DATE : 08/04/2024 SAMPLE NO. : 07553
RECEIVED DATE : 08/04/2024 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0641 REPORTED DATE : 19/04/2024

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	61.0	83 ^{/1}	dB(A)
L _{max} 12 hr	84.5	115 ^{/3}	dB(A)
12 Hour dose	0.60	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	62.8	85 ^{/1}	dB(A)

REMARK :

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

19/04/2024

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Request No. LA67-R0449

Report No. R6704-1605

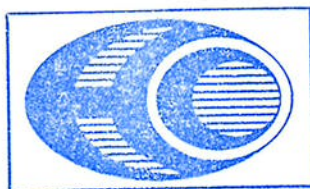
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift C (Morning Shift) (จุดบันทึก คงสาร ID 26004561)
MEASURING DATE : 08/04/2024 SAMPLE NO. : 07555
RECEIVED DATE : 08/04/2024 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0644 REPORTED DATE : 19/04/2024

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	77.4	83 ^{/1}	dB(A)
L _{max} 12 hr	100.5	115 ^{/3}	dB(A)
12 Hour dose	26.10	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	79.2	85 ^{/1}	dB(A)

REMARK :

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

19/04/2024

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Request No. LA67-R0449

Report No. R6704-1606

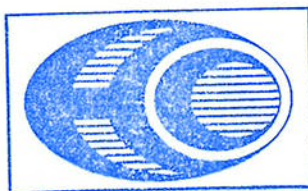
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
 ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
 SAMPLE SOURCE : GC17 Polystyrene Plant
 SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift C (Morning Shift) (คุณชนพล จันทร์ดำ ID 26010193)
 MEASURING DATE : 08/04/2024 SAMPLE NO. : 07556
 RECEIVED DATE : 08/04/2024 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0642 REPORTED DATE : 19/04/2024

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	80.9	83 ^{/1}	dB(A)
L _{max} 12 hr	96.1	115 ^{/3}	dB(A)
12 Hour dose	59.00	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	82.7	85 ^{/1}	dB(A)

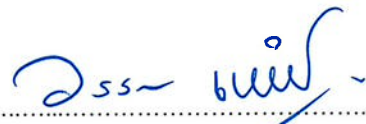
REMARK :

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....



(MRS. WANPEN LHAOCHINDAWAT)

19/04/2024

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Request No. LA67-R06107

Report No. R6706-4581

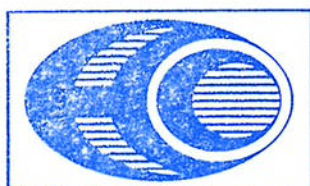
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift C (Morning Shift) (คุณชาญวิทย์ อภิรัตน์กุล ID 26004569)
MEASURING DATE : 13/06/2024 SAMPLE NO. : 19966
RECEIVED DATE : 14/06/2024 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0957 REPORTED DATE : 20/06/2024

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	79.0	83 ^{/1}	dB(A)
L _{max} 12 hr	94.5	115 ^{/3}	dB(A)
12 Hour dose	37.82	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	80.8	85 ^{/1}	dB(A)

REMARK :

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



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

20/06/2024

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Request No. LA67-R0473

Report No. R6704-2926

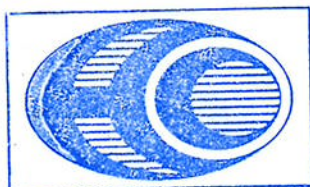
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
 ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
 SAMPLE SOURCE : GC17 Polystyrene Plant
 SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift D (Morning Shift) (ศูนย์วิจัยพัฒนา ภูมิรณเสถียร ID 26004535)
 MEASURING DATE : 12/04/2024 SAMPLE NO. : 08876
 RECEIVED DATE : 12/04/2024 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0641 REPORTED DATE : 24/04/2024

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	79.4	83 ^{/1}	dB(A)
L _{max} 12 hr	98.2	115 ^{/3}	dB(A)
12 Hour dose	41.10	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	81.1	85 ^{/1}	dB(A)

REMARK :

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

24/04/2024

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Request No. LA67-R0473

Report No. R6704-2927

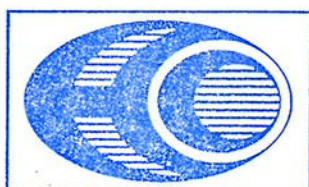
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
 ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
 SAMPLE SOURCE : GC17 Polystyrene Plant
 SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift D (Morning Shift) (คุณสมบัติวัสดุ ครีโอลูมิเนียม ID 26004543)
 MEASURING DATE : 12/04/2024 SAMPLE NO. : 08877
 RECEIVED DATE : 12/04/2024 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0643 REPORTED DATE : 24/04/2024

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	64.7	83 ^{/1}	dB(A)
L _{max} 12 hr	88.5	115 ^{/3}	dB(A)
12 Hour dose	1.40	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	66.5	85 ^{/1}	dB(A)

REMARK :

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



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(MRS. WANPEN LHAOCHINDAWAT)

24/04/2024

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Request No. LA67-R0473

Report No. R6704-2928

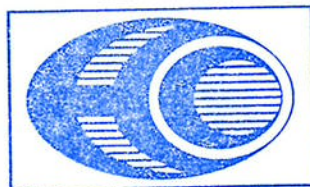
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift D (Morning Shift) (อุณหภูมิอากาศพรหมกมลจันทร์ ID 26004547)
MEASURING DATE : 12/04/2024 SAMPLE NO. : 08878
RECEIVED DATE : 12/04/2024 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0644 REPORTED DATE : 24/04/2024

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	61.7	83 ^{/1}	dB(A)
L _{max} 12 hr	86.1	115 ^{/3}	dB(A)
12 Hour dose	0.70	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	63.5	85 ^{/1}	dB(A)

REMARK :

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



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(MRS. WANPEN LHAOCHINDAWAT)

24/04/2024

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Request No. LA67-R06100

Report No. R6706-3882

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift D (Morning Shift) (คุณณรงค์ สว่างดี ID 26004574)
MEASURING DATE : 17/06/2024 SAMPLE NO. : 19567
RECEIVED DATE : 17/06/2024 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0957 REPORTED DATE : 20/06/2024

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	77.8	83 ^{/1}	dB(A)
L _{max} 12 hr	104.6	115 ^{/3}	dB(A)
12 Hour dose	28.85	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	79.6	85 ^{/1}	dB(A)

REMARK :

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



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

20/06/2024

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Request No. LA67-R06147

Report No. R6706-5602

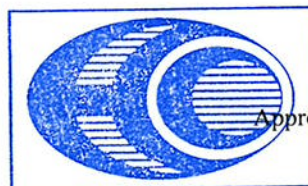
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
 ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
 SAMPLE SOURCE : GC17 Polystyrene Plant
 SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift D (Morning Shift) (คุณมินทดา วาณิชย์ชาวลิขิตกุล ID 26010092)
 MEASURING DATE : 27/06/2024 SAMPLE NO. : 21098
 RECEIVED DATE : 27/06/2024 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0957 REPORTED DATE : 29/06/2024

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	75.8	83 ^{/1}	dB(A)
L _{max} 12 hr	95.1	115 ^{/3}	dB(A)
12 Hour dose	17.93	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	77.5	85 ^{/1}	dB(A)

REMARK :

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



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29/06/2024

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Request No. LA67-R0426

Report No. R6704-1092

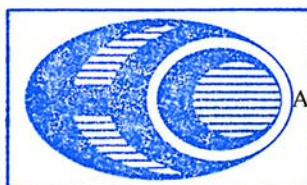
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE POINT : Bagging Unit (GPPS) (คุณนิติกร โกษากุล ID OOB06939)
MEASURING DATE : 02/04/2024 SAMPLE NO. : 07040
RECEIVED DATE : 03/04/2024 SAMPLING TIME : 08:00-17:00
SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0955 REPORTED DATE : 08/04/2024

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (8-hr TWA) [#]	73.0	85 ^{/1}	dB(A)
L _{max} 8 hr	93.5	115 ^{/3}	dB(A)
8 Hour dose	6.30	100 ^{/2}	%

REMARK :

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

08/04/2024

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Request No. LA67-R0426

Report No. R6704-1090

TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE POINT : Bagging Unit (HIPS, GPPS) (คุณกิตติภาพ กล้าศรี ID 30664995)
MEASURING DATE : 02-03/04/2024 SAMPLE NO. : 07038
RECEIVED DATE : 03/04/2024 SAMPLING TIME : 16:00-01:00
SAMPLING INSTRUMENT : Noise dosimeter : S/N CA8887 REPORTED DATE : 08/04/2024

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (8-hr TWA) [#]	75.8	85 ^{/1}	dB(A)
L _{max} 8 hr	89.1	115 ^{/3}	dB(A)
8 Hour dose	12.00	100 ^{/2}	%

REMARK :

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



Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

08/04/2024

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Request No. LA67-R0426

Report No. R6704-1091

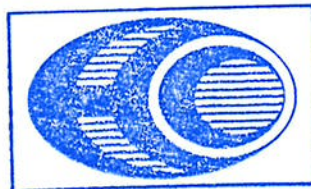
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
 ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
 SAMPLE SOURCE : GC17 Polystyrene Plant
 SAMPLE POINT : Bagging Unit (HIPS) (คุณเกรียงไกร สำราญ ID OOB07038)
 MEASURING DATE : 02/04/2024 SAMPLE NO. : 07039
 RECEIVED DATE : 03/04/2024 SAMPLING TIME : 08:00-17:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CA8889 REPORTED DATE : 08/04/2024

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (8-hr TWA) [#]	76.2	85 ^{/1}	dB(A)
L _{max} 8 hr	91.1	115 ^{/3}	dB(A)
8 Hour dose	13.10	100 ^{/2}	%

REMARK :

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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(MRS. WANPEN LHAOCHINDAWAT)

08/04/2024

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Request No. LA67-R06104

Report No. R6706-4552

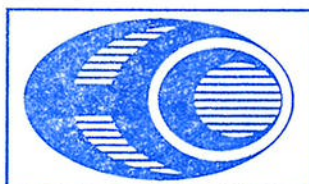
TEST REPORT

CUSTOMER : PTT Global Chemical Public Company Limited Branch 17
ADDRESS : 7 I-1 Rd., Map Ta Phut Industrial Estate, Map Ta Phut, Rayong 21150
SAMPLE SOURCE : GC17 Polystyrene Plant
SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต (Morning Shift) ผู้ช่วยช่าง (คุณอุดม ชื่นอารมย์ ID OOGI02904)
MEASURING DATE : 13/06/2024 SAMPLE NO. : 19937
RECEIVED DATE : 14/06/2024 SAMPLING TIME : 08:00-17:00
SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0956 REPORTED DATE : 20/06/2024

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (8-hr TWA) [#]	79.8	85 ^{/1}	dB(A)
L _{max} 8 hr	100.0	115 ^{/3}	dB(A)
8 Hour dose	30.16	100 ^{/2}	%

REMARK :

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



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20/06/2024

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