

ระดับเสียงในสถานประกอบการ



Request No. LA66-R0478

Report No. R6604-2481

TEST REPORT

CUSTOMER : NPC Safety and Environmental Service Co., Ltd.
 ADDRESS : 20/9 Pakornsongkrohrad Rd., T. Maptaphut A. Muangrayong, Rayong 21150
 SAMPLE SOURCE : PTT Asahi Chemical Co., Ltd.
 SAMPLE POINT : MMA_AMS Operator (คุณพอล จันทน้อย)
 MEASURING DATE : 19/04/2023 SAMPLE NO. : 06355
 RECEIVED DATE : 21/04/2023 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CB1500 REPORTED DATE : 28/04/2023

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) ¹	78.4	83 ¹	dB(A)
L _{max} 12 hr	92.8	115 ³	dB(A)
12 Hour dose	33.00	100 ²	%
Time weighted average level (8-hr TWA) ¹	80.2	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)
- ⁴ Based on Criteria 85 dB(A) ; 3 dB Exchange Rate
- * Parameter not have License Registration of Department of Labour Protection and Welfare
(Measurement By Ms. Jutarat Suksaget)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By...

(MRS. WANPEN LHAOCHINDAWAT)

28/04/2023

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Request No. LA66-R0478

Report No. R6604-2482

TEST REPORT

CUSTOMER : NPC Safety and Environmental Service Co., Ltd.
 ADDRESS : 20/9 Pakornsongkrohrad Rd., T. Maptaphut A. Muangrayong, Rayong 21150
 SAMPLE SOURCE : PTT Asahi Chemical Co., Ltd.
 SAMPLE POINT : AN_PGU+AOG Operator (คุณอรุณศักดิ์ ราชธา)
 MEASURING DATE : 19/04/2023 SAMPLE NO. : 06356
 RECEIVED DATE : 21/04/2023 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CB1499 REPORTED DATE : 28/04/2023

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) ¹	80.1	83 ¹	dB(A)
L _{max} 12 hr	95.0	115 ³	dB(A)
12 Hour dose	48.00	100 ²	%
Time weighted average level (8-hr TWA) ¹	81.8	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)
- ⁴ Based on Criteria 85 dB(A) ; 3 dB Exchange Rate
- * Parameter not have License Registration of Department of Labour Protection and Welfare
(Measurement By Ms. Jutarat Suksaget)



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Approved By....

(MRS. WANPEN LHAOCHINDAWAT)

28/04/2023

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Request No. LA66-R0478

Report No. R6604-2483

TEST REPORT

CUSTOMER : NPC Safety and Environmental Service Co., Ltd.
 ADDRESS : 20/9 Pakornsongkrohrad Rd., T. Maptaphut A. Muangrayong, Rayong 21150
 SAMPLE SOURCE : PTT Asahi Chemical Co., Ltd.
 SAMPLE POINT : AN_Cooling Tower + Metering & Flare + Refrigeration Operator (คุณทินกร ไหมนันทน์)
 MEASURING DATE : 19/04/2023 SAMPLE NO. : 06357
 RECEIVED DATE : 21/04/2023 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0644 REPORTED DATE : 28/04/2023

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	77.6	83 ¹	dB(A)
L _{max} 12 hr	95.4	115 ³	dB(A)
12 Hour dose	27.00	100 ²	%
Time weighted average level (8-hr TWA) [#]	79.3	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 not have License Registration of Department of Labour Protection and Welfare
(Measurement By Ms. Jutarat Suksaget)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

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Request No. LA66-R0478

Report No. R6604-2484

TEST REPORT

CUSTOMER : NPC Safety and Environmental Service Co., Ltd.
 ADDRESS : 20/9 Pakornsongkrohrad Rd., T. Maptaphut A. Muangrayong, Rayong 21150
 SAMPLE SOURCE : PTT Asahi Chemical Co., Ltd.
 SAMPLE POINT : AN_Recovery Operator (คุณปรีชาญาภิรมณ์จิตต์)
 MEASURING DATE : 19/04/2023 SAMPLE NO. : 06358
 RECEIVED DATE : 21/04/2023 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CB1498 REPORTED DATE : 28/04/2023

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	79.1	83 ¹	dB(A)
L _{max} 12 hr	98.3	115 ³	dB(A)
12 Hour dose	39.00	100 ²	%
Time weighted average level (8-hr TWA) [#]	80.9	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 not have License Registration of Department of Labour Protection and Welfare
(Measurement By Ms. Jutarat Suksaget)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

28/04/2023

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Request No. LA66-R0598

Report No. R6605-3725

TEST REPORT

CUSTOMER : NPC Safety and Environmental Service Co., Ltd.
 ADDRESS : 20/9 Pakornsongkrohrad Rd., T. Maptaphut A. Muangrayong, Rayong 21150
 SAMPLE SOURCE : PTT Asahi Chemical Co., Ltd.
 SAMPLE POINT : AN_Reaction Operator (K. Piyapat Plengplung)
 MEASURING DATE : 23/05/2023 SAMPLE NO. : 10903
 RECEIVED DATE : 23/05/2023 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CB1500 REPORTED DATE : 29/05/2023

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	82.2	83 ¹	dB(A)
L _{max} 12 hr	90.2	115 ³	dB(A)
12 Hour dose	79.00	100 ²	%
Time weighted average level (8-hr TWA) [#]	84.0	85 ¹	dB(A)

REMARK :

- Notification of The Department of Labour Protection and Welfare B.E. 2561 (2018)
- Standard of National Institute for Occupational Safety and Health, Occupational Noise Exposure Revised Criteria 1998
- 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)

29/05/2023

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Request No. LA66-R0478

Report No. R6604-2486

TEST REPORT

CUSTOMER : NPC Safety and Environmental Service Co., Ltd.
 ADDRESS : 20/9 Pakornsongkrohrad Rd., T. Maptaphut A. Muangrayong, Rayong 21150
 SAMPLE SOURCE : PTT Asahi Chemical Co., Ltd.
 SAMPLE POINT : AN_WWI Operator (คุณสาโรจน์ ดอกคันหยง)
 MEASURING DATE : 19/04/2023 SAMPLE NO. : 06360
 RECEIVED DATE : 21/04/2023 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CB1365 REPORTED DATE : 28/04/2023

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	79.6	83 ¹	dB(A)
L _{max} 12 hr	101.4	115 ³	dB(A)
12 Hour dose	43.00	100 ²	%
Time weighted average level (8-hr TWA) [#]	81.3	85 ¹	dB(A)

REMARK :

- Notification of The Department of Labour Protection and Welfare B.E. 2561 (2018)
- Standard of National Institute for Occupational Safety and Health, Occupational Noise Exposure Revised Criteria 1998
- Regulation of The Ministry of Labour B.E. 2559 (2016)
- Based on Criteria 85 dB(A) ; 3 dB Exchange Rate

* Parameter not have License Registration of Department of Labour Protection and Welfare
(Measurement By Ms. Jutarat Suksaget)



Approved By...

(MRS. WANPEN LHAOCHINDAWAT)

28/04/2023

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Request No. LA66-R0478

Report No. R6604-2488

TEST REPORT

CUSTOMER : NPC Safety and Environmental Service Co., Ltd.
ADDRESS : 20/9 Pakornsongkrohrad Rd., T. Maptaphut A. Muangrayong, Rayong 21150
SAMPLE SOURCE : PTT Asahi Chemical Co., Ltd.
SAMPLE POINT : Control Room
PARAMETER* : L_{eq} 1 hr., L_{eq} 12 hr. & L_{max} SAMPLE NO. : 06362
DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 19/04/2023
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 21/04/2023
S/N 00322746 : Class 2 REPORTED DATE : 28/04/2023

MEASURING TIME	RESULT		UNIT
	L_{eq} 1 hr.	L_{max}	
07:00-08:00	64.0	75.6	dB(A)
08:00-09:00	63.0	74.5	dB(A)
09:00-10:00	63.5	71.5	dB(A)
10:00-11:00	63.0	76.1	dB(A)
11:00-12:00	61.1	71.1	dB(A)
12:00-13:00	59.4	72.0	dB(A)
13:00-14:00	59.6	67.8	dB(A)
14:00-15:00	62.8	75.9	dB(A)
15:00-16:00	61.6	71.7	dB(A)
16:00-17:00	62.8	76.8	dB(A)
17:00-18:00	60.3	72.3	dB(A)
18:00-19:00	59.6	74.7	dB(A)
L_{eq} 12 hr.	62.0	—	dB(A)
Standard	87 ¹	140 ¹ , 115 ²	dB(A)

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

* Measurement By Ms. Jutarat Suksaget



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By ...

(MRS. WANPEN LHAOCHINDAWAT)

28/04/2023

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Request No. LA66-R0478

Report No. R6604-2487

TEST REPORT

CUSTOMER : NPC Safety and Environmental Service Co., Ltd.
ADDRESS : 20/9 Pakornsongkrohrad Rd., T. Maptaphut A. Muangrayong, Rayong 21150
SAMPLE SOURCE : PTT Asahi Chemical Co., Ltd.
SAMPLE POINT : Control Room
PARAMETER* : L_{eq} 1 hr., L_{eq} 8 hr. & L_{max} SAMPLE NO. : 06361
DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 19/04/2023
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 21/04/2023
S/N 00322746 : Class 2 REPORTED DATE : 28/04/2023

MEASURING TIME	RESULT		UNIT
	L_{eq} 1 hr.	L_{max}	
07:00-08:00	64.0	75.6	dB(A)
08:00-09:00	63.0	74.5	dB(A)
09:00-10:00	63.5	71.5	dB(A)
10:00-11:00	63.0	76.1	dB(A)
11:00-12:00	61.1	71.1	dB(A)
12:00-13:00	59.4	72.0	dB(A)
13:00-14:00	59.6	67.8	dB(A)
14:00-15:00	62.8	75.9	dB(A)
L_{eq} 8 hr.	62.3	—	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. Jutarat Suksaget



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By ...

(MRS. WANPEN LHAOCHINDAWAT)

28/04/2023

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Request No. LA66-R0478

Report No. R6604-2489

TEST REPORT

CUSTOMER : NPC Safety and Environmental Service Co., Ltd.

ADDRESS : 20/9 Pakornsongkrohrad Rd., T. Maptaphut A. Muangrayong, Rayong 21150

SAMPLE SOURCE : PTT Asahi Chemical Co., Ltd.

SAMPLE POINT : Control Room

MEASURING DATE : 19/04/2023

SAMPLE NO. : 06363

PARAMETER* : Noise Octave Band

MEASURING TIME : 07:00-19:00

INSTRUMENT : Integrated Sound Level Meter

RECEIVED DATE : 21/04/2023

S/N 00322746

REPORTED DATE : 28/04/2023

TIME FREQUENCY	RESULT [dB(A)]										
	31.5HZ	63HZ	125HZ	250HZ	500HZ	1kHz	2kHz	4kHz	8kHz	16kHz	AP
07:00-08:00	23.5	27.7	43.5	52.1	59.6	59.1	56.9	50.1	39.8	27.5	64.0
08:00-09:00	23.7	27.5	43.4	51.7	58.6	57.9	55.9	49.6	38.3	24.1	63.0
09:00-10:00	23.7	27.6	43.5	51.7	59.1	58.6	56.1	49.9	37.6	22.5	63.5
10:00-11:00	23.5	27.4	42.7	51.3	58.2	58.2	56.2	49.6	37.9	26.1	63.0
11:00-12:00	23.6	27.4	42.6	50.6	56.0	56.3	54.2	48.7	36.9	21.5	61.1
12:00-13:00	23.6	27.1	41.9	49.8	52.9	54.7	53.1	47.8	36.5	20.6	59.4
13:00-14:00	23.5	27.2	41.8	49.8	53.3	55.0	53.0	47.7	36.4	21.2	59.6
14:00-15:00	23.5	27.5	43.7	51.7	58.0	58.1	55.8	49.2	38.0	24.3	62.8
15:00-16:00	23.5	27.6	42.3	50.4	55.9	57.2	55.2	48.4	37.3	22.7	61.6
16:00-17:00	23.4	27.6	42.9	51.5	58.2	57.9	55.9	49.1	38.2	24.1	62.8
17:00-18:00	23.4	27.4	42.3	50.2	54.5	55.6	53.6	48.0	38.3	29.6	60.3
18:00-19:00	23.8	30.0	43.2	50.2	53.4	54.9	52.8	47.2	37.2	23.2	59.6
L _{eq}	23.6	27.7	42.9	51.0	57.1	57.2	55.1	48.9	37.8	24.8	62.0

REMARK :

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

(Measurement By Ms. Jutarat Suksaget)

ระดับเสียงตลอดช่วงความถี่ (AP)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By..



(MRS. WANPEN LHAOCHINDAWAT)

28/04/2023

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Request No. LA66-R0478

Report No. R6604-2491

TEST REPORT

CUSTOMER : NPC Safety and Environmental Service Co., Ltd.

ADDRESS : 20/9 Pakornsongkrohrad Rd., T. Maptaphut A. Muangrayong, Rayong 21150

SAMPLE SOURCE : PTT Asahi Chemical Co., Ltd.

SAMPLE POINT : Compressor Room

PARAMETER* : L_{eq} 1 hr., L_{eq} 12 hr. & L_{max}

SAMPLE NO. : 06365

DETERMINATION METHOD : ISO 11202:2010

MEASURING DATE : 20/04/2023

INSTRUMENT : Integrated Sound Level Meter

RECEIVED DATE : 21/04/2023

S/N 00322746 : Class 2

REPORTED DATE : 28/04/2023

MEASURING TIME	RESULT		UNIT
	L _{eq} 1 hr.	L _{max}	
07:00-08:00	65.0	70.9	dB(A)
08:00-09:00	65.9	76.2	dB(A)
09:00-10:00	64.7	75.6	dB(A)
10:00-11:00	65.0	68.0	dB(A)
11:00-12:00	65.1	69.0	dB(A)
12:00-13:00	65.1	74.6	dB(A)
13:00-14:00	65.0	67.9	dB(A)
14:00-15:00	65.2	68.0	dB(A)
15:00-16:00	65.4	69.6	dB(A)
16:00-17:00	65.5	67.8	dB(A)
17:00-18:00	65.5	68.8	dB(A)
18:00-19:00	65.3	68.5	dB(A)
L _{eq} 12 hr.	65.2	—	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. Jutarat Suksaget



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By..



(MRS. WANPEN LHAOCHINDAWAT)

28/04/2023

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683 หมู่ 11 ต.สุขาภิบาล 8 ต.หนองขาม อ.ศรีราชา จ.ชลบุรี 20230
โทร. 0-3848-1197, 0-3876-3031-2 แฟกซ์ : 0-3848-2095
เว็บไซต์ : http://www.etc1992.com อีเมล : info@etc1992.com



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

Request No. LA66-R0478

Report No. R6604-2490

TEST REPORT

CUSTOMER : NPC Safety and Environmental Service Co., Ltd.
ADDRESS : 20/9 Pakornsongkrohrad Rd., T. Maptaphut A. Muangrayong, Rayong 21150
SAMPLE SOURCE : PTT Asahi Chemical Co., Ltd.
SAMPLE POINT : Compressor Room
PARAMETER* : L_{eq} 1 hr., L_{eq} 8 hr. & L_{max} SAMPLE NO. : 06364
DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 20/04/2023
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 21/04/2023
S/N 00322746 : Class 2 REPORTED DATE : 28/04/2023

MEASURING TIME	RESULT		UNIT
	L_{eq} 1 hr.	L_{max}	
07:00-08:00	65.0	70.9	dB(A)
08:00-09:00	65.9	76.2	dB(A)
09:00-10:00	64.7	75.6	dB(A)
10:00-11:00	65.0	68.0	dB(A)
11:00-12:00	65.1	69.0	dB(A)
12:00-13:00	65.1	74.6	dB(A)
13:00-14:00	65.0	67.9	dB(A)
14:00-15:00	65.2	68.0	dB(A)
L_{eq} 8 hr.	65.1	—	dB(A)
Standard	90 ¹	140 ¹ , 115 ²	dB(A)

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

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

* Measurement By Ms. Jutarat Suksaget



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MRS. WANPEN LHAOCHINDAWAT)

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เว็บไซต์ : http://www.etc1992.com อีเมล : info@etc1992.com



EASTERN THAI CONSULTING 1992 CO., LTD.

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

Request No. LA66-R0478

Report No. R6604-2492

TEST REPORT

CUSTOMER : NPC Safety and Environmental Service Co., Ltd.
ADDRESS : 20/9 Pakornsongkrohrad Rd., T. Maptaphut A. Muangrayong, Rayong 21150
SAMPLE SOURCE : PTT Asahi Chemical Co., Ltd.
SAMPLE POINT : Compressor Room
MEASURING DATE : 20/04/2023 SAMPLE NO. : 06366
PARAMETER* : Noise Octave Band MEASURING TIME : 07:00-19:00
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 21/04/2023
S/N 00322746 REPORTED DATE : 28/04/2023

TIME FREQUENCY	RESULT [dB(A)]										
	31.5HZ	63HZ	125HZ	250HZ	500HZ	1kHz	2kHz	4kHz	8kHz	16kHz	AP
07:00-08:00	28.9	44.7	51.4	59.7	57.0	56.5	55.9	57.8	50.9	35.2	65.0
08:00-09:00	29.7	45.0	51.4	59.4	57.6	56.6	56.7	60.3	54.4	38.7	65.9
09:00-10:00	28.9	44.8	51.4	59.1	56.7	56.4	55.7	57.6	50.5	33.9	64.7
10:00-11:00	28.8	42.6	49.4	60.7	56.4	56.1	55.5	57.4	50.2	33.4	65.0
11:00-12:00	29.1	42.3	49.3	61.1	56.4	56.1	55.5	57.3	50.2	33.4	65.1
12:00-13:00	30.3	43.4	49.9	61.0	56.5	56.0	55.3	57.3	50.3	33.8	65.1
13:00-14:00	31.0	43.9	49.7	60.9	56.4	56.0	55.4	57.4	50.3	33.7	65.0
14:00-15:00	29.8	43.1	49.8	61.3	56.3	56.0	55.4	57.4	50.4	33.9	65.2
15:00-16:00	29.5	44.1	50.6	61.6	56.5	56.1	55.5	57.4	50.4	33.9	65.4
16:00-17:00	29.4	43.1	50.8	61.8	56.4	56.1	55.6	57.4	50.5	34.3	65.5
17:00-18:00	30.1	43.1	51.4	61.6	56.5	56.1	55.7	57.5	50.6	34.8	65.5
18:00-19:00	30.2	43.3	51.5	61.1	56.8	56.2	55.7	57.6	50.7	35.2	65.3
L_{eq}	29.7	43.7	50.6	60.9	56.6	56.2	55.7	57.8	51.0	34.8	65.2

REMARK :

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

(Measurement By Ms. Jutarat Suksaget)

ระดับเสียงตลอดช่วงความถี่ (AP)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MRS. WANPEN LHAOCHINDAWAT)

28/04/2023

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

ACCREDITED LABORATORY
ISO/IEC 17025

Request No. LA66-R0478

Report No. R6604-2494

TEST REPORT

CUSTOMER : NPC Safety and Environmental Service Co., Ltd.
 ADDRESS : 20/9 Pakornsongkrohrad Rd., T. Maptaphut A. Muangrayong, Rayong 21150
 SAMPLE SOURCE : PTT Asahi Chemical Co., Ltd.
 SAMPLE POINT : Cooling Tower
 PARAMETER* : L_{eq} 1 hr., L_{eq} 12 hr. & L_{max} SAMPLE NO. : 06368
 DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 21/04/2023
 INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 21/04/2023
 S/N 00322746 : Class 2 REPORTED DATE : 28/04/2023

MEASURING TIME	RESULT		UNIT
	L_{eq} 1 hr.	L_{max}	
07:00-08:00	76.5	81.1	dB(A)
08:00-09:00	76.2	78.1	dB(A)
09:00-10:00	75.9	78.2	dB(A)
10:00-11:00	75.6	77.9	dB(A)
11:00-12:00	75.7	77.8	dB(A)
12:00-13:00	75.5	77.9	dB(A)
13:00-14:00	75.3	77.2	dB(A)
14:00-15:00	75.2	76.7	dB(A)
15:00-16:00	75.5	77.5	dB(A)
16:00-17:00	75.8	77.6	dB(A)
17:00-18:00	76.0	77.8	dB(A)
18:00-19:00	76.0	77.8	dB(A)
L_{eq} 12 hr.	75.8	—	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. Jutarat Suksaget



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(MRS. WANPEN LHAOCHINDAWAT)

28/04/2023

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ACCREDITED LABORATORY
ISO/IEC 17025

Request No. LA66-R0478

Report No. R6604-2493

TEST REPORT

CUSTOMER : NPC Safety and Environmental Service Co., Ltd.
 ADDRESS : 20/9 Pakornsongkrohrad Rd., T. Maptaphut A. Muangrayong, Rayong 21150
 SAMPLE SOURCE : PTT Asahi Chemical Co., Ltd.
 SAMPLE POINT : Cooling Tower
 PARAMETER* : L_{eq} 1 hr., L_{eq} 8 hr. & L_{max} SAMPLE NO. : 06367
 DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 21/04/2023
 INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 21/04/2023
 S/N 00322746 : Class 2 REPORTED DATE : 28/04/2023

MEASURING TIME	RESULT		UNIT
	L_{eq} 1 hr.	L_{max}	
07:00-08:00	76.5	81.1	dB(A)
08:00-09:00	76.2	78.1	dB(A)
09:00-10:00	75.9	78.2	dB(A)
10:00-11:00	75.6	77.9	dB(A)
11:00-12:00	75.7	77.8	dB(A)
12:00-13:00	75.5	77.9	dB(A)
13:00-14:00	75.3	77.2	dB(A)
14:00-15:00	75.2	76.7	dB(A)
L_{eq} 8 hr.	75.8	—	dB(A)
Standard	90 ¹	140 ¹ , 115 ²	dB(A)

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

* Measurement By Ms. Jutarat Suksaget



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(MRS. WANPEN LHAOCHINDAWAT)

28/04/2023

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Request No. LA66-R0478

Report No. R6604-2495

TEST REPORT

CUSTOMER : NPC Safety and Environmental Service Co., Ltd.

ADDRESS : 20/9 Pakornsongkroh Rd., T. Maptaphut A. Muangrayong, Rayong 21150

SAMPLE SOURCE : PTT Asahi Chemical Co., Ltd.

SAMPLE POINT : Cooling Tower

MEASURING DATE : 21/04/2023

SAMPLE NO. : 06369

PARAMETER* : Noise Octave Band

MEASURING TIME : 07:00-19:00

INSTRUMENT : Integrated Sound Level Meter

RECEIVED DATE : 21/04/2023

: S/N 00322746

REPORTED DATE : 28/04/2023

TIME FREQUENCY	RESULT [dB(A)]										
	31.5HZ	63HZ	125HZ	250HZ	500HZ	1kHz	2kHz	4kHz	8kHz	16kHz	AP
07:00-08:00	42.2	57.5	63.7	64.1	65.8	73.5	67.7	66.9	62.9	54.2	76.5
08:00-09:00	42.2	57.5	63.7	64.1	65.8	73.5	67.7	66.9	62.9	54.2	76.5
09:00-10:00	42.5	57.5	63.4	63.9	65.2	72.5	67.6	66.8	62.7	54.0	75.9
10:00-11:00	43.0	57.8	63.1	63.8	64.9	72.1	67.5	66.5	62.3	53.5	75.6
11:00-12:00	42.8	57.7	63.2	63.7	64.9	72.2	67.7	66.5	62.4	53.6	75.7
12:00-13:00	43.0	57.6	63.2	63.7	64.9	71.8	67.7	66.5	62.4	53.5	75.5
13:00-14:00	42.8	57.6	63.2	63.6	64.9	71.5	67.6	66.5	62.4	53.6	75.3
14:00-15:00	42.7	57.9	63.2	63.7	65.0	71.1	67.5	66.4	62.4	53.6	75.2
15:00-16:00	43.0	57.7	63.2	63.7	65.3	71.7	67.6	66.5	62.4	53.6	75.5
16:00-17:00	42.8	56.7	63.1	63.8	65.6	72.4	67.6	66.6	62.5	53.8	75.8
17:00-18:00	42.6	57.4	63.2	64.2	66.0	72.6	67.6	66.7	62.7	54.1	76.0
18:00-19:00	42.5	56.5	63.3	64.3	66.0	72.6	67.7	66.7	62.8	54.3	76.0
L _{eq}	42.7	57.5	63.3	63.9	65.4	72.3	67.6	66.6	62.6	53.8	75.8

REMARK : * Parameter Outside The Scope of The Registration of The Department of Industrial Works

(Measurement By Ms. Jutarat Suksaget)

ระดับเสียงตลอดช่วงความถี่ (AP)



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Approved By.....



(MRS. WANPEN LHAOCHINDAWAT)

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