

ระดับเสียงในสถานประกอบการ

Request No. LA67-R0508

Report No. R6705-0117

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 (ชุมชนนาผาอินทชัย)
MEASURING DATE : 25/04/2024 SAMPLE NO. : 10811
RECEIVED DATE : 26/04/2024 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Noise dosimeter : S/N CB1497 REPORTED DATE : 06/05/2024

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	71.2	83 ^{/1}	dB(A)
L _{max} 12 hr	92.6	115 ^{/3}	dB(A)
12 Hour dose	6.30	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	73.0	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. Jutarat Suksaget)



Approved By. [Signature]
(MRS. WANPEN LHAOCHINDAWAT)

06/05/2024

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Request No. LA67-R0508

Report No. R6705-0118

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 (ชุมชนงักคี่บุญศรี)
MEASURING DATE : 25/04/2024 SAMPLE NO. : 10812
RECEIVED DATE : 26/04/2024 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Noise dosimeter : S/N CB1498 REPORTED DATE : 06/05/2024

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	77.1	83 ^{/1}	dB(A)
L _{max} 12 hr	95.8	115 ^{/3}	dB(A)
12 Hour dose	24.50	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	78.9	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. Jutarat Suksaget)



Approved By. [Signature]
(MRS. WANPEN LHAOCHINDAWAT)

06/05/2024

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Request No. LA67-R0508

Report No. R6705-0119

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 (คุณพินกร ไหมน้ำคำ)
MEASURING DATE : 25/04/2024 SAMPLE NO. : 10813
RECEIVED DATE : 26/04/2024 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Noise dosimeter : S/N CB1500 REPORTED DATE : 06/05/2024

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	74.1	83 ^{/1}	dB(A)
L _{max} 12 hr	91.6	115 ^{/3}	dB(A)
12 Hour dose	12.30	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	75.9	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. Jutarat Suksaget)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MRS. WANPEN LHAOCHINDAWAT)

06/05/2024

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Request No. LA67-R0508

Report No. R6705-0120

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 : 25/04/2024 SAMPLE NO. : 10814
RECEIVED DATE : 26/04/2024 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Noise dosimeter : S/N CB1365 REPORTED DATE : 06/05/2024

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	76.6	83 ^{/1}	dB(A)
L _{max} 12 hr	89.0	115 ^{/3}	dB(A)
12 Hour dose	21.70	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	78.4	85 ^{/1}	dB(A)

REMARK : ^{/1} Notification of The Department of Labour Protection and Welfare B.E. 2561 (2018)
^{/2} Standard of National Institute for Occupational Safety and Health, Occupational Noise Exposure Revised Criteria 1998
^{/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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(MRS. WANPEN LHAOCHINDAWAT)

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Request No. LA67-R0508

Report No. R6705-0121

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 (คู่มือบันทึก สุขภาพ)
MEASURING DATE : 25/04/2024 SAMPLE NO. : 10815
RECEIVED DATE : 26/04/2024 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0643 REPORTED DATE : 06/05/2024

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	76.3	83 ^{/1}	dB(A)
L _{max} 12 hr	91.3	115 ^{/3}	dB(A)
12 Hour dose	20.10	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	78.0	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. Jutarat Suksaget)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.

(MRS. WANPEN LHAOCHINDAWAT)

06/05/2024

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Request No. LA67-R0569

Report No. R6705-1398

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 (คู่มือประจำกะ เยาวจิรี)
MEASURING DATE : 09/05/2024 SAMPLE NO. : 11924
RECEIVED DATE : 09/05/2024 SAMPLING TIME : 07:00-19:00
SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0955 REPORTED DATE : 15/05/2024

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	82.0	83 ^{/1}	dB(A)
L _{max} 12 hr	96.7	115 ^{/3}	dB(A)
12 Hour dose	75.00	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	83.8	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. Jutarat Suksaget)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.

(MRS. WANPEN LHAOCHINDAWAT)

15/05/2024

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Request No. LA67-R0508
Report No. R6705-0134

TEST REPORT

CUSTOMER : NPC Safety and Environmental Service Co., Ltd.
ADDRESS : 20/9 Pakomsongkrohrad 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. : 10828
DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 25/04/2024
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 26/04/2024
S/N 00322755 : Class 2 REPORTED DATE : 06/05/2024

MEASURING TIME	RESULT		UNIT
	L_{eq} 1 hr.	L_{max}	
07:00-08:00	63.5	79.5	dB(A)
08:00-09:00	64.3	76.0	dB(A)
09:00-10:00	63.9	74.5	dB(A)
10:00-11:00	60.3	71.9	dB(A)
11:00-12:00	59.6	74.2	dB(A)
12:00-13:00	61.8	75.1	dB(A)
13:00-14:00	64.2	74.1	dB(A)
14:00-15:00	64.1	77.2	dB(A)
15:00-16:00	60.8	73.9	dB(A)
16:00-17:00	60.3	76.2	dB(A)
17:00-18:00	59.6	69.6	dB(A)
18:00-19:00	65.0	77.2	dB(A)
L_{eq} 12 hr.	62.7	—	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. Jutarat Suksaget



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MRS. WANPEN LHAOCHINDAWAT)

06/05/2024

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Request No. LA67-R0508
Report No. R6705-0131

TEST REPORT

CUSTOMER : NPC Safety and Environmental Service Co., Ltd.
ADDRESS : 20/9 Pakomsongkrohrad 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. : 10825
DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 25/04/2024
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 26/04/2024
S/N 00322755 : Class 2 REPORTED DATE : 06/05/2024

MEASURING TIME	RESULT		UNIT
	L_{eq} 1 hr.	L_{max}	
07:00-08:00	63.5	79.5	dB(A)
08:00-09:00	64.3	76.0	dB(A)
09:00-10:00	63.9	74.5	dB(A)
10:00-11:00	60.3	71.9	dB(A)
11:00-12:00	59.6	74.2	dB(A)
12:00-13:00	61.8	75.1	dB(A)
13:00-14:00	64.2	74.1	dB(A)
14:00-15:00	64.1	77.2	dB(A)
L_{eq} 8 hr.	63.0	—	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)

06/05/2024

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Request No. LA67-R0508

Report No. R6705-0123

TEST REPORT

CUSTOMER : NPC Safety and Environmental Service Co., Ltd.
ADDRESS : 20/9 Pakomsongkrohrrad Rd., T. Maptaphut A. Muangrayong, Rayong 21150
SAMPLE SOURCE : PTT Asahi Chemical Co., Ltd.
SAMPLE POINT : Control Room
MEASURING DATE : 25/04/2024
PARAMETER* : Noise Octave Band
INSTRUMENT : Integrated Sound Level Meter
S/N 00322755

SAMPLE NO. : 10818
MEASURING TIME : 07:00-19:00
RECEIVED DATE : 26/04/2024
REPORTED DATE : 06/05/2024

TIME FREQUENCY	RESULT [dB(A)]										
	31.5HZ	63HZ	125HZ	250HZ	500HZ	1kHz	2kHz	4kHz	8kHz	16kHz	AP
07:00-08:00	17.9	24.6	38.5	47.1	53.8	53.3	50.6	44.2	32.7	14.7	63.5
08:00-09:00	18.0	24.7	38.9	47.6	55.2	53.6	51.1	44.7	31.3	11.5	64.3
09:00-10:00	18.0	24.7	38.8	47.4	54.5	53.3	50.5	44.4	32.0	11.9	63.9
10:00-11:00	18.6	25.1	37.9	45.8	48.8	50.8	48.1	41.7	33.3	13.0	60.3
11:00-12:00	18.2	24.7	37.5	44.9	48.3	50.3	47.5	41.0	30.0	11.7	59.6
12:00-13:00	18.1	24.7	38.2	46.1	52.5	51.5	49.2	42.0	30.2	14.1	61.8
13:00-14:00	18.0	24.8	39.2	47.8	54.7	53.7	51.5	44.3	31.7	11.9	64.2
14:00-15:00	17.9	24.6	38.9	47.3	55.1	53.4	51.4	44.2	31.7	12.2	64.1
15:00-16:00	17.9	24.5	38.0	45.9	50.4	51.0	48.6	42.6	32.6	11.7	60.8
16:00-17:00	17.8	24.6	37.7	45.5	49.7	50.8	48.0	41.8	31.0	11.7	60.3
17:00-18:00	17.9	24.5	37.5	45.0	48.1	50.3	47.6	41.0	31.1	11.7	59.6
18:00-19:00	17.9	24.6	39.7	48.3	55.7	54.6	51.8	45.5	32.8	14.9	65.0
L _{eq}	18.0	24.7	38.5	46.7	53.1	52.5	49.9	43.4	31.8	12.8	62.7

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)

06/05/2024

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Request No. LA67-R0508

Report No. R6705-0132

TEST REPORT

CUSTOMER : NPC Safety and Environmental Service Co., Ltd.
ADDRESS : 20/9 Pakomsongkrohrrad 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}
DETERMINATION METHOD : ISO 11202:2010
INSTRUMENT : Integrated Sound Level Meter
S/N 00322744 : Class 2

SAMPLE NO. : 10826
MEASURING DATE : 25/04/2024
RECEIVED DATE : 26/04/2024
REPORTED DATE : 06/05/2024

MEASURING TIME	RESULT		UNIT
	L _{eq} 1 hr.	L _{max}	
07:00-08:00	62.6	73.8	dB(A)
08:00-09:00	62.3	64.6	dB(A)
09:00-10:00	62.4	64.3	dB(A)
10:00-11:00	62.4	65.0	dB(A)
11:00-12:00	62.5	73.1	dB(A)
12:00-13:00	62.5	71.6	dB(A)
13:00-14:00	62.4	65.8	dB(A)
14:00-15:00	62.4	65.1	dB(A)
15:00-16:00	62.5	69.6	dB(A)
16:00-17:00	62.4	65.5	dB(A)
17:00-18:00	62.5	70.7	dB(A)
18:00-19:00	62.5	65.8	dB(A)
L _{eq} 12 hr.	62.5	—	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. Jutarat Suksaget



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MRS. WANPEN LHAOCHINDAWAT)

06/05/2024

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Request No. LA67-R0508
Report No. R6705-0130

TEST REPORT

CUSTOMER : NPC Safety and Environmental Service Co., Ltd.
ADDRESS : 20/9 Pakomsongkrohrrad 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. : 10824
DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 25/04/2024
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 26/04/2024
S/N 00322744 : Class 2 REPORTED DATE : 06/05/2024

MEASURING TIME	RESULT		UNIT
	L_{eq} 1 hr.	L_{max}	
07:00-08:00	62.6	73.8	dB(A)
08:00-09:00	62.3	64.6	dB(A)
09:00-10:00	62.4	64.3	dB(A)
10:00-11:00	62.4	65.0	dB(A)
11:00-12:00	62.5	73.1	dB(A)
12:00-13:00	62.5	71.6	dB(A)
13:00-14:00	62.4	65.8	dB(A)
14:00-15:00	62.4	65.1	dB(A)
L_{eq} 8 hr.	62.4	—	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)

06/05/2024

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Request No. LA67-R0508
Report No. R6705-0137

TEST REPORT

CUSTOMER : NPC Safety and Environmental Service Co., Ltd.
ADDRESS : 20/9 Pakomsongkrohrrad Rd., T. Maptaphut A. Muangrayong, Rayong 21150
SAMPLE SOURCE : PTT Asahi Chemical Co., Ltd.
SAMPLE POINT : Compressor Room
MEASURING DATE : 25/04/2024 SAMPLE NO. : 10831
PARAMETER* : Noise Octave Band MEASURING TIME : 07:00-19:00
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 26/04/2024
S/N 00322744 REPORTED DATE : 06/05/2024

TIME	RESULT [dB(A)]										
	FREQUENCY	31.5HZ	63HZ	125HZ	250HZ	500HZ	1kHz	2kHz	4kHz	8kHz	16kHz
07:00-08:00		24.2	37.6	45.4	49.1	48.3	50.6	49.2	48.2	39.4	23.2
08:00-09:00		24.2	37.2	44.6	48.5	48.0	50.9	48.9	48.1	39.5	23.1
09:00-10:00		23.7	37.5	44.6	48.8	47.8	51.1	48.7	48.2	39.7	22.9
10:00-11:00		23.5	37.5	44.5	49.1	47.7	50.5	48.7	48.0	39.5	22.8
11:00-12:00		23.9	37.9	44.6	49.3	47.9	50.6	48.8	48.0	39.5	23.0
12:00-13:00		23.6	37.7	44.4	49.4	47.9	50.8	48.8	47.9	39.5	23.2
13:00-14:00		23.9	37.8	44.3	49.3	47.8	50.9	48.8	47.9	39.6	23.3
14:00-15:00		24.2	37.6	44.4	49.5	47.8	50.8	48.8	47.9	39.5	23.1
15:00-16:00		23.8	38.0	44.6	49.5	47.9	50.9	48.9	48.0	39.6	23.4
16:00-17:00		23.5	37.4	44.6	48.8	48.1	50.9	49.1	47.9	39.6	23.2
17:00-18:00		23.8	38.2	44.8	48.7	48.3	51.2	49.1	48.0	39.7	23.1
18:00-19:00		24.0	37.6	44.7	48.7	48.0	50.9	49.1	48.2	39.6	23.1
L_{eq}		23.9	37.7	44.6	49.1	48.0	50.8	48.9	48.0	39.6	23.1

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)

06/05/2024

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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



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. LA67-R0508

Report No. R6705-0133

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. : 10827
DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 25/04/2024
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 26/04/2024
S/N 003322757 : Class 2 REPORTED DATE : 06/05/2024

MEASURING TIME	RESULT		UNIT
	L_{eq} 1 hr.	L_{max}	
07:00-08:00	76.5	78.8	dB(A)
08:00-09:00	76.6	78.9	dB(A)
09:00-10:00	76.6	78.5	dB(A)
10:00-11:00	76.4	78.6	dB(A)
11:00-12:00	76.4	78.7	dB(A)
12:00-13:00	76.3	78.5	dB(A)
13:00-14:00	76.5	78.6	dB(A)
14:00-15:00	76.6	78.8	dB(A)
15:00-16:00	76.6	78.9	dB(A)
16:00-17:00	76.3	78.4	dB(A)
17:00-18:00	76.3	78.2	dB(A)
18:00-19:00	76.3	78.1	dB(A)
L_{eq} 12 hr.	76.5	—	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. Jutarat Suksaget



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By ..

(MRS. WANPEN LHAOCHINDAWAT)

06/05/2024

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

Request No. LA67-R0508

Report No. R6705-0129

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. : 10823
DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 25/04/2024
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 26/04/2024
S/N 003322757 : Class 2 REPORTED DATE : 06/05/2024

MEASURING TIME	RESULT		UNIT
	L_{eq} 1 hr.	L_{max}	
07:00-08:00	76.5	78.8	dB(A)
08:00-09:00	76.6	78.9	dB(A)
09:00-10:00	76.6	78.5	dB(A)
10:00-11:00	76.4	78.6	dB(A)
11:00-12:00	76.4	78.7	dB(A)
12:00-13:00	76.3	78.5	dB(A)
13:00-14:00	76.5	78.6	dB(A)
14:00-15:00	76.6	78.8	dB(A)
L_{eq} 8 hr.	76.5	—	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)

06/05/2024

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Request No. LA67-R0508

Report No. R6705-0135

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

MEASURING DATE : 25/04/2024

SAMPLE NO. : 10830

PARAMETER* : Noise Octave Band

MEASURING TIME : 07:00-19:00

INSTRUMENT : Integrated Sound Level Meter

RECEIVED DATE : 26/04/2024

S/N 00322757

REPORTED DATE : 06/05/2024

TIME	RESULT [dB(A)]										
	FREQUENCY	31.5HZ	63HZ	125HZ	250HZ	500HZ	1kHz	2kHz	4kHz	8kHz	16kHz
07:00-08:00		37.8	53.1	58.6	58.8	61.4	62.0	61.3	61.2	57.5	46.4
08:00-09:00		37.7	53.4	58.7	58.8	61.2	62.0	61.2	61.1	57.4	46.4
09:00-10:00		37.7	53.4	58.4	58.7	60.6	62.0	61.2	61.0	57.3	46.2
10:00-11:00		37.7	53.5	58.4	58.7	60.1	61.9	61.1	60.8	57.1	46.0
11:00-12:00		37.5	53.4	58.4	58.7	60.0	61.9	61.1	60.8	57.1	46.0
12:00-13:00		37.6	53.3	58.4	58.6	59.9	61.8	61.1	60.7	57.1	46.0
13:00-14:00		37.6	53.5	58.3	58.6	59.9	62.0	61.1	60.9	57.2	46.1
14:00-15:00		37.6	53.4	58.3	58.6	60.1	62.1	61.1	60.8	57.2	46.1
15:00-16:00		37.7	53.5	58.4	58.6	60.4	62.0	61.1	60.9	57.3	46.2
16:00-17:00		37.7	53.3	58.7	58.6	60.9	61.9	61.2	61.0	57.4	46.4
17:00-18:00		37.8	53.4	58.8	58.7	61.5	61.9	61.4	61.3	57.6	46.6
18:00-19:00		37.9	53.3	58.8	58.9	61.9	61.9	61.5	61.4	57.6	46.7
L _{eq}		37.7	53.4	58.5	58.7	60.7	62.0	61.2	61.0	57.3	46.3

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)

06/05/2024

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