

ระดับเสียงทั่วไป (L_{eq} -24 hr.)

บริษัท อีสเทิร์น ไทย คอนซัลติ้ง 1992 จำกัด

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 อี-เมล : info@etc1992.com



ACCREDITED LABORATORY
ISO/IEC 17025

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-R0530
Report No. R6705-0474

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 : บริเวณวัดมาบขุด
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 01120948 : Class 1
SAMPLE NO. : 11170
MEASURING DATE : 23-24/04/2024
RECEIVED DATE : 30/04/2024
REPORTED DATE : 08/05/2024

TIME \ DATE	23-24/04/2024 (L_{eq})	23-24/04/2024 (L_{max})	23-24/04/2024 (L_{90})	UNIT
10:00 - 11:00 ^{a)}	54.1	79.7	48.0	dB(A)
11:00 - 12:00	57.9	81.8	48.0	dB(A)
12:00 - 13:00	55.9	83.7	47.4	dB(A)
13:00 - 14:00	54.5	82.9	47.4	dB(A)
14:00 - 15:00	53.5	73.8	47.5	dB(A)
15:00 - 16:00	53.7	73.3	48.0	dB(A)
16:00 - 17:00	52.3	80.0	47.7	dB(A)
17:00 - 18:00	54.3	75.0	47.7	dB(A)
18:00 - 19:00	58.4	88.2	47.8	dB(A)
19:00 - 20:00	51.7	70.9	45.6	dB(A)
20:00 - 21:00	52.3	76.1	45.4	dB(A)
21:00 - 22:00	46.2	67.7	44.9	dB(A)
22:00 - 23:00	51.6	70.7	45.5	dB(A)
23:00 - 00:00	46.0	54.3	45.3	dB(A)
00:00 - 01:00	45.6	67.0	45.0	dB(A)
01:00 - 02:00	50.9	80.0	45.2	dB(A)
02:00 - 03:00	45.9	65.1	45.0	dB(A)
03:00 - 04:00	47.7	70.7	45.1	dB(A)
04:00 - 05:00	48.4	70.6	44.9	dB(A)
05:00 - 06:00	53.3	81.8	46.3	dB(A)
06:00 - 07:00	55.4	82.0	47.2	dB(A)
07:00 - 08:00	60.4	93.7	48.3	dB(A)
08:00 - 09:00	54.8	79.7	48.1	dB(A)
09:00 - 10:00	56.7	81.8	48.6	dB(A)
L_{eq} 24 hr.	54.3	-	-	dB(A)
L_{dn}	58.3	-	-	dB(A)
Maximum	-	93.7	-	dB(A)
Standard	70 ^{a)} , 70 ^{b)}	115 ^{a)} , 115 ^{b)}	-	dB(A)

REMARK : ^{a)} Notification of Office of The National Environmental Board Volume 15 B.E. 2540 (1997)^{b)} Notification of Ministry of The Industry B.E. 2548 (2005)^{c)} Start Time* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummarut Phatthanaphan)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MRS. WANPEN LHAOCHINDAWAT)

08/05/2024

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Request No. LA67-R0530
Report No. R6705-0475

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 : บริเวณวัดมาบขุด
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 01120948 : Class 1
SAMPLE NO. : 11171
MEASURING DATE : 24-25/04/2024
RECEIVED DATE : 30/04/2024
REPORTED DATE : 08/05/2024

TIME \ DATE	24-25/04/2024 (L_{eq})	24-25/04/2024 (L_{max})	24-25/04/2024 (L_{90})	UNIT
10:00 - 11:00 ^{a)}	59.0	83.7	50.0	dB(A)
11:00 - 12:00	54.9	73.3	50.5	dB(A)
12:00 - 13:00	57.2	82.3	48.9	dB(A)
13:00 - 14:00	53.7	74.4	49.0	dB(A)
14:00 - 15:00	52.2	70.8	47.7	dB(A)
15:00 - 16:00	53.5	71.1	49.1	dB(A)
16:00 - 17:00	56.7	77.0	50.3	dB(A)
17:00 - 18:00	59.4	82.9	53.1	dB(A)
18:00 - 19:00	58.1	83.0	52.7	dB(A)
19:00 - 20:00	63.7	83.3	52.6	dB(A)
20:00 - 21:00	53.8	78.6	46.9	dB(A)
21:00 - 22:00	48.0	67.3	45.5	dB(A)
22:00 - 23:00	48.0	69.7	45.2	dB(A)
23:00 - 00:00	48.1	70.8	44.8	dB(A)
00:00 - 01:00	46.3	67.1	44.8	dB(A)
01:00 - 02:00	59.9	82.6	44.9	dB(A)
02:00 - 03:00	54.3	81.1	44.7	dB(A)
03:00 - 04:00	59.0	85.8	44.9	dB(A)
04:00 - 05:00	50.4	76.1	44.4	dB(A)
05:00 - 06:00	55.3	76.2	47.6	dB(A)
06:00 - 07:00	55.7	82.1	46.9	dB(A)
07:00 - 08:00	58.6	83.9	47.8	dB(A)
08:00 - 09:00	57.8	87.8	47.6	dB(A)
09:00 - 10:00	56.6	82.0	47.8	dB(A)
L_{eq} 24 hr.	56.9	-	-	dB(A)
L_{dn}	62.1	-	-	dB(A)
Maximum	-	87.8	-	dB(A)
Standard	70 ^{a)} , 70 ^{b)}	115 ^{a)} , 115 ^{b)}	-	dB(A)

REMARK : ^{a)} Notification of Office of The National Environmental Board Volume 15 B.E. 2540 (1997)^{b)} Notification of Ministry of The Industry B.E. 2548 (2005)^{c)} Start Time* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummarut Phatthanaphan)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MRS. WANPEN LHAOCHINDAWAT)

08/05/2024

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Request No. LA67-R0530
Report No. R6705-0476

TEST REPORT

CUSTOMER : NPC Safety and Environmental Service Co., Ltd.
ADDRESS : 20/9 Pakomsongkroh Rd., T. Maptaphut A. Muangrayong, Rayong 21150
SAMPLE SOURCE : PTT Asahi Chemical Co., Ltd.
SAMPLE POINT : บริเวณวัดมามขลุ่ย
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 01120948 : Class 1
SAMPLE NO. : 11172
MEASURING DATE : 25-26/04/2024
RECEIVED DATE : 30/04/2024
REPORTED DATE : 08/05/2024

TIME \ DATE	25-26/04/2024 (L_{eq})	25-26/04/2024 (L_{max})	25-26/04/2024 (L_{90})	UNIT
10:00 - 11:00 ²⁾	54.6	83.7	47.4	dB(A)
11:00 - 12:00	54.6	79.8	47.5	dB(A)
12:00 - 13:00	53.4	72.1	47.9	dB(A)
13:00 - 14:00	54.9	81.5	47.9	dB(A)
14:00 - 15:00	57.0	82.2	49.4	dB(A)
15:00 - 16:00	53.8	80.8	47.9	dB(A)
16:00 - 17:00	56.3	83.5	49.7	dB(A)
17:00 - 18:00	57.2	83.1	50.2	dB(A)
18:00 - 19:00	58.1	85.6	50.9	dB(A)
19:00 - 20:00	54.6	81.0	48.0	dB(A)
20:00 - 21:00	55.1	81.5	45.4	dB(A)
21:00 - 22:00	56.2	80.3	47.4	dB(A)
22:00 - 23:00	50.3	71.3	45.6	dB(A)
23:00 - 00:00	47.2	65.4	45.3	dB(A)
00:00 - 01:00	52.8	73.2	44.9	dB(A)
01:00 - 02:00	53.1	77.0	44.1	dB(A)
02:00 - 03:00	46.6	73.2	44.1	dB(A)
03:00 - 04:00	45.1	59.6	44.2	dB(A)
04:00 - 05:00	46.8	67.3	44.3	dB(A)
05:00 - 06:00	51.8	74.9	46.8	dB(A)
06:00 - 07:00	56.8	91.4	50.8	dB(A)
07:00 - 08:00	55.7	76.0	49.5	dB(A)
08:00 - 09:00	56.5	81.5	49.0	dB(A)
09:00 - 10:00	58.4	90.6	48.2	dB(A)
L_{eq} 24 hr.	54.8	-	-	dB(A)
L_{dn}	59.0	-	-	dB(A)
Maximum	-	91.4	-	dB(A)
Standard	70 ¹⁾ , 70 ³⁾	115 ¹⁾ , 115 ³⁾	-	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 Regulations of The Department of Industrial Works
(Measurement By Mr. Tummarut Phrasakulwan)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By...

(MRS. WANPEN LHAOCHINDAWAT)

08/05/2024

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Request No. LA67-R0530
Report No. R6705-0477

TEST REPORT

CUSTOMER : NPC Safety and Environmental Service Co., Ltd.
ADDRESS : 20/9 Pakomsongkroh Rd., T. Maptaphut A. Muangrayong, Rayong 21150
SAMPLE SOURCE : PTT Asahi Chemical Co., Ltd.
SAMPLE POINT : บริเวณวัดมามขลุ่ย
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 01120948 : Class 1
SAMPLE NO. : 11173
MEASURING DATE : 26-27/04/2024
RECEIVED DATE : 30/04/2024
REPORTED DATE : 08/05/2024

TIME \ DATE	26-27/04/2024 (L_{eq})	26-27/04/2024 (L_{max})	26-27/04/2024 (L_{90})	UNIT
10:00 - 11:00 ²⁾	56.6	82.3	48.1	dB(A)
11:00 - 12:00	55.6	79.5	48.7	dB(A)
12:00 - 13:00	55.0	78.5	47.0	dB(A)
13:00 - 14:00	53.8	77.2	47.1	dB(A)
14:00 - 15:00	54.0	85.4	48.0	dB(A)
15:00 - 16:00	56.0	80.7	47.8	dB(A)
16:00 - 17:00	54.1	74.9	49.4	dB(A)
17:00 - 18:00	56.4	73.8	49.8	dB(A)
18:00 - 19:00	55.6	75.1	51.2	dB(A)
19:00 - 20:00	54.1	71.7	49.8	dB(A)
20:00 - 21:00	54.7	78.1	47.2	dB(A)
21:00 - 22:00	47.5	70.9	44.9	dB(A)
22:00 - 23:00	52.5	77.5	44.6	dB(A)
23:00 - 00:00	53.2	74.1	43.8	dB(A)
00:00 - 01:00	46.2	57.7	44.5	dB(A)
01:00 - 02:00	50.3	72.9	43.2	dB(A)
02:00 - 03:00	57.1	88.4	43.1	dB(A)
03:00 - 04:00	49.0	75.5	42.6	dB(A)
04:00 - 05:00	48.3	71.6	42.3	dB(A)
05:00 - 06:00	53.7	82.5	45.8	dB(A)
06:00 - 07:00	55.1	81.4	47.3	dB(A)
07:00 - 08:00	55.2	75.4	48.4	dB(A)
08:00 - 09:00	55.1	82.1	47.0	dB(A)
09:00 - 10:00	55.5	72.9	50.2	dB(A)
L_{eq} 24 hr.	54.3	-	-	dB(A)
L_{dn}	59.7	-	-	dB(A)
Maximum	-	88.4	-	dB(A)
Standard	70 ¹⁾ , 70 ³⁾	115 ¹⁾ , 115 ³⁾	-	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 Regulations of The Department of Industrial Works
(Measurement By Mr. Tummarut Phrasakulwan)



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Request No. LA67-R0530
Report No. R6705-0478

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 : บริเวณวัดมาบขลุ่ย
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 01120948 : Class 1
SAMPLE NO. : 11174
MEASURING DATE : 27-28/04/2024
RECEIVED DATE : 30/04/2024
REPORTED DATE : 08/05/2024

TIME \ DATE	27-28/04/2024 (L_{eq})	27-28/04/2024 (L_{max})	27-28/04/2024 (L_{90})	UNIT
10:00 - 11:00 ¹⁾	53.1	72.2	48.5	dB(A)
11:00 - 12:00	55.7	95.7	47.2	dB(A)
12:00 - 13:00	52.9	83.1	47.4	dB(A)
13:00 - 14:00	53.5	76.5	46.7	dB(A)
14:00 - 15:00	54.3	81.3	47.6	dB(A)
15:00 - 16:00	55.1	73.2	48.3	dB(A)
16:00 - 17:00	56.1	80.7	49.4	dB(A)
17:00 - 18:00	52.7	75.3	46.9	dB(A)
18:00 - 19:00	54.1	83.0	47.5	dB(A)
19:00 - 20:00	49.3	71.6	44.7	dB(A)
20:00 - 21:00	46.9	72.9	43.9	dB(A)
21:00 - 22:00	47.9	71.5	43.9	dB(A)
22:00 - 23:00	46.0	73.2	44.1	dB(A)
23:00 - 00:00	45.0	58.6	43.6	dB(A)
00:00 - 01:00	44.9	54.3	43.7	dB(A)
01:00 - 02:00	48.7	71.2	43.9	dB(A)
02:00 - 03:00	45.0	53.0	43.6	dB(A)
03:00 - 04:00	44.5	60.6	43.4	dB(A)
04:00 - 05:00	46.3	68.0	42.7	dB(A)
05:00 - 06:00	55.2	74.2	44.8	dB(A)
06:00 - 07:00	52.0	75.4	45.1	dB(A)
07:00 - 08:00	51.2	74.4	45.1	dB(A)
08:00 - 09:00	54.6	77.4	48.2	dB(A)
09:00 - 10:00	55.0	87.0	46.2	dB(A)
L_{eq} 24 hr.	52.4	-	-	dB(A)
L_{dn}	56.6	-	-	dB(A)
Maximum	-	95.7	-	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 Measurement of Industrial Works
(Measurement By Mr. Tummarut Phosakorn)



Approved By : (MRS. WANPEN LHAOCHINDAWAT)

08/05/2024

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Request No. LA67-R0530
Report No. R6705-0479

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 : บริเวณวัดมาบขลุ่ย
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 01120948 : Class 1
SAMPLE NO. : 11175
MEASURING DATE : 28-29/04/2024
RECEIVED DATE : 30/04/2024
REPORTED DATE : 08/05/2024

TIME \ DATE	28-29/04/2024 (L_{eq})	28-29/04/2024 (L_{max})	28-29/04/2024 (L_{90})	UNIT
10:00 - 11:00 ¹⁾	52.1	78.9	45.8	dB(A)
11:00 - 12:00	52.2	73.8	46.0	dB(A)
12:00 - 13:00	56.4	92.5	46.9	dB(A)
13:00 - 14:00	54.7	82.3	47.3	dB(A)
14:00 - 15:00	53.2	79.6	46.8	dB(A)
15:00 - 16:00	52.1	72.3	46.3	dB(A)
16:00 - 17:00	53.0	72.0	46.0	dB(A)
17:00 - 18:00	51.0	74.7	45.6	dB(A)
18:00 - 19:00	55.1	79.2	45.0	dB(A)
19:00 - 20:00	51.3	75.2	44.2	dB(A)
20:00 - 21:00	48.8	68.4	43.6	dB(A)
21:00 - 22:00	46.1	74.6	43.3	dB(A)
22:00 - 23:00	51.3	85.9	43.3	dB(A)
23:00 - 00:00	44.7	64.3	43.3	dB(A)
00:00 - 01:00	44.9	56.0	43.6	dB(A)
01:00 - 02:00	44.4	54.0	43.3	dB(A)
02:00 - 03:00	46.3	69.1	42.5	dB(A)
03:00 - 04:00	43.6	57.9	42.3	dB(A)
04:00 - 05:00	46.8	70.2	42.5	dB(A)
05:00 - 06:00	53.0	83.6	44.8	dB(A)
06:00 - 07:00	54.9	79.6	46.9	dB(A)
07:00 - 08:00	55.7	81.0	46.8	dB(A)
08:00 - 09:00	56.0	82.6	48.2	dB(A)
09:00 - 10:00	52.7	77.7	45.2	dB(A)
L_{eq} 24 hr.	52.4	-	-	dB(A)
L_{dn}	56.9	-	-	dB(A)
Maximum	-	92.5	-	dB(A)
Standard	70 ¹⁾ , 70 ²⁾	115 ¹⁾ , 115 ²⁾	-	dB(A)

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

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

³⁾ Start Time

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



Approved By : (MRS. WANPEN LHAOCHINDAWAT)

08/05/2024

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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 อี-เมล : 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-R0530
Report No. R6705-0480

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 : บริเวณวัดมบขจูด
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 01120948 : Class I

SAMPLE NO. : 11176
MEASURING DATE : 29-30/04/2024
RECEIVED DATE : 30/04/2024
REPORTED DATE : 08/05/2024

TIME \ DATE	29-30/04/2024 (L_{eq})	29-30/04/2024 (L_{max})	29-30/04/2024 (L_{90})	UNIT
10:00 - 11:00	56.7	75.2	50.8	dB(A)
11:00 - 12:00	53.2	77.3	46.1	dB(A)
12:00 - 13:00	54.7	70.9	50.8	dB(A)
13:00 - 14:00	53.8	77.2	48.0	dB(A)
14:00 - 15:00	54.3	80.2	46.9	dB(A)
15:00 - 16:00	55.6	83.3	48.0	dB(A)
16:00 - 17:00	53.4	70.7	48.8	dB(A)
17:00 - 18:00	53.8	73.3	48.9	dB(A)
18:00 - 19:00	55.3	79.3	47.4	dB(A)
19:00 - 20:00	51.2	71.1	46.9	dB(A)
20:00 - 21:00	49.8	73.4	44.4	dB(A)
21:00 - 22:00	53.3	81.8	44.3	dB(A)
22:00 - 23:00	45.9	70.2	43.2	dB(A)
23:00 - 00:00	44.9	60.9	43.3	dB(A)
00:00 - 01:00	45.1	61.1	43.6	dB(A)
01:00 - 02:00	44.7	61.6	43.1	dB(A)
02:00 - 03:00	45.0	64.6	42.8	dB(A)
03:00 - 04:00	47.1	74.4	42.5	dB(A)
04:00 - 05:00	46.8	66.2	43.5	dB(A)
05:00 - 06:00	50.3	72.2	45.6	dB(A)
06:00 - 07:00	53.1	72.4	46.2	dB(A)
07:00 - 08:00	57.0	78.7	49.7	dB(A)
08:00 - 09:00	56.0	80.1	50.4	dB(A)
09:00 - 10:00	54.6	79.8	47.5	dB(A)
L_{eq} 24 hr.	53.0	-	-	dB(A)
L_{dn}	56.2	-	-	dB(A)
Maximum	-	83.3	-	dB(A)
Standard	70^{+70}	115^{+115}	-	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 Regulation of The Department of Industrial Works
(Measurement By Mr. Tummarut Phatthanasak)



Approved By...
(MRS. WANPEN LHAOCHINDAWAT)

08/05/2024

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



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-R0530
Report No. R6705-0467

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 : บริเวณวัดมบขจูด
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 01120952 : Class I

SAMPLE NO. : 11163
MEASURING DATE : 23-24/04/2024
RECEIVED DATE : 30/04/2024
REPORTED DATE : 08/05/2024

TIME \ DATE	23-24/04/2024 (L_{eq})	23-24/04/2024 (L_{max})	23-24/04/2024 (L_{90})	UNIT
11:00 - 12:00	67.1	87.8	66.2	dB(A)
12:00 - 13:00	66.7	70.7	66.2	dB(A)
13:00 - 14:00	66.7	72.3	66.2	dB(A)
14:00 - 15:00	66.8	84.4	66.2	dB(A)
15:00 - 16:00	68.7	85.3	66.3	dB(A)
16:00 - 17:00	67.0	88.1	66.2	dB(A)
17:00 - 18:00	66.9	84.0	66.2	dB(A)
18:00 - 19:00	66.9	83.9	66.3	dB(A)
19:00 - 20:00	66.8	83.0	66.2	dB(A)
20:00 - 21:00	66.8	70.3	66.2	dB(A)
21:00 - 22:00	66.9	75.4	66.3	dB(A)
22:00 - 23:00	66.9	70.7	66.3	dB(A)
23:00 - 00:00	66.8	70.5	66.3	dB(A)
00:00 - 01:00	66.7	71.0	66.2	dB(A)
01:00 - 02:00	66.5	70.2	66.0	dB(A)
02:00 - 03:00	66.6	70.1	66.1	dB(A)
03:00 - 04:00	66.6	70.5	66.1	dB(A)
04:00 - 05:00	66.7	70.7	66.1	dB(A)
05:00 - 06:00	66.8	70.9	66.2	dB(A)
06:00 - 07:00	66.7	75.3	66.2	dB(A)
07:00 - 08:00	66.4	83.7	65.6	dB(A)
08:00 - 09:00	66.8	88.2	65.9	dB(A)
09:00 - 10:00	67.2	84.4	65.9	dB(A)
10:00 - 11:00	66.9	88.4	65.9	dB(A)
L_{eq} 24 hr.	66.9	-	-	dB(A)
L_{dn}	73.2	-	-	dB(A)
Maximum	-	88.4	-	dB(A)
Standard	70^{+70}	115^{+115}	-	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 Regulation of The Department of Industrial Works
(Measurement By Mr. Tummarut Phatthanasak)



Approved By...
(MRS. WANPEN LHAOCHINDAWAT)

08/05/2024

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Request No. LA67-R0530
Report No. R6705-0468

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 : บริเวณรั้วด้านทิศเหนือของโครงการ
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn} SAMPLE NO. : 11164
DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 24-25/04/2024
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 30/04/2024
S/N 01120952 : Class I REPORTED DATE : 08/05/2024

TIME \ DATE	24-25/04/2024 (L_{eq})	24-25/04/2024 (L_{max})	24-25/04/2024 (L_{90})	UNIT
11:00 - 12:00 ¹⁾	67.1	86.6	66.2	dB(A)
12:00 - 13:00	66.8	84.8	66.1	dB(A)
13:00 - 14:00	67.6	80.0	66.5	dB(A)
14:00 - 15:00	69.4	83.1	67.0	dB(A)
15:00 - 16:00	68.8	84.1	66.1	dB(A)
16:00 - 17:00	66.7	74.9	66.1	dB(A)
17:00 - 18:00	66.8	75.6	66.2	dB(A)
18:00 - 19:00	66.9	72.5	66.3	dB(A)
19:00 - 20:00	66.5	71.4	66.0	dB(A)
20:00 - 21:00	66.6	70.1	66.0	dB(A)
21:00 - 22:00	66.6	70.7	66.0	dB(A)
22:00 - 23:00	66.6	71.1	66.0	dB(A)
23:00 - 00:00	66.5	70.2	66.0	dB(A)
00:00 - 01:00	66.5	79.7	66.0	dB(A)
01:00 - 02:00	66.6	70.5	66.0	dB(A)
02:00 - 03:00	66.6	70.7	66.0	dB(A)
03:00 - 04:00	66.6	70.3	66.1	dB(A)
04:00 - 05:00	66.6	69.9	66.1	dB(A)
05:00 - 06:00	66.6	70.5	66.1	dB(A)
06:00 - 07:00	66.5	81.6	66.0	dB(A)
07:00 - 08:00	66.8	85.0	65.9	dB(A)
08:00 - 09:00	67.0	85.1	66.0	dB(A)
09:00 - 10:00	66.9	84.4	66.2	dB(A)
10:00 - 11:00	66.5	77.9	65.8	dB(A)
L_{eq} 24 hr.	67.0	-	-	dB(A)
L_{dn}	73.1	-	-	dB(A)
Maximum	-	86.6	-	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 Responsibility of The Department of Industrial Works
(Measurement By Mr. Tummarut Phrakasamon)



Approved By...

(MRS. WANPEN LHAOCHINDAWAT)

08/05/2024

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Request No. LA67-R0530
Report No. R6705-0469

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 : บริเวณรั้วด้านทิศเหนือของโครงการ
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn} SAMPLE NO. : 11165
DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 25-26/04/2024
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 30/04/2024
S/N 01120952 : Class I REPORTED DATE : 08/05/2024

TIME \ DATE	25-26/04/2024 (L_{eq})	25-26/04/2024 (L_{max})	25-26/04/2024 (L_{90})	UNIT
11:00 - 12:00 ¹⁾	67.1	85.3	66.0	dB(A)
12:00 - 13:00	66.8	87.6	66.1	dB(A)
13:00 - 14:00	66.7	74.9	66.1	dB(A)
14:00 - 15:00	66.8	85.5	66.1	dB(A)
15:00 - 16:00	68.9	87.1	66.1	dB(A)
16:00 - 17:00	66.7	81.9	66.1	dB(A)
17:00 - 18:00	66.8	83.2	66.2	dB(A)
18:00 - 19:00	66.8	70.7	66.3	dB(A)
19:00 - 20:00	66.7	70.4	66.2	dB(A)
20:00 - 21:00	66.7	70.5	66.2	dB(A)
21:00 - 22:00	66.8	70.5	66.3	dB(A)
22:00 - 23:00	66.8	70.0	66.2	dB(A)
23:00 - 00:00	66.6	70.8	66.1	dB(A)
00:00 - 01:00	66.6	69.8	66.1	dB(A)
01:00 - 02:00	66.5	69.6	66.0	dB(A)
02:00 - 03:00	66.6	71.0	66.1	dB(A)
03:00 - 04:00	66.6	70.1	66.0	dB(A)
04:00 - 05:00	66.6	70.1	66.0	dB(A)
05:00 - 06:00	66.7	72.8	66.1	dB(A)
06:00 - 07:00	66.7	79.2	66.1	dB(A)
07:00 - 08:00	66.7	78.9	66.0	dB(A)
08:00 - 09:00	66.9	83.3	66.1	dB(A)
09:00 - 10:00	66.8	83.8	66.2	dB(A)
10:00 - 11:00	66.9	79.7	66.3	dB(A)
L_{eq} 24 hr.	66.9	-	-	dB(A)
L_{dn}	73.1	-	-	dB(A)
Maximum	-	87.6	-	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 Responsibility of The Department of Industrial Works
(Measurement By Mr. Tummarut Phrakasamon)



Approved By...

(MRS. WANPEN LHAOCHINDAWAT)

08/05/2024

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Request No. LA67-R0530
Report No. R6705-0470

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 : บริเวณริมรั้วด้านทิศเหนือของโครงการ
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn} SAMPLE NO. : 11166
DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 26-27/04/2024
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 30/04/2024
S/N 01120952 : Class I REPORTED DATE : 08/05/2024

TIME \ DATE	26-27/04/2024 (L_{eq})	26-27/04/2024 (L_{max})	26-27/04/2024 (L_{90})	UNIT
11:00 - 12:00 ¹⁾	66.9	74.7	66.3	dB(A)
12:00 - 13:00	66.7	75.1	66.1	dB(A)
13:00 - 14:00	68.3	84.2	66.4	dB(A)
14:00 - 15:00	68.6	85.8	66.3	dB(A)
15:00 - 16:00	66.9	70.8	66.3	dB(A)
16:00 - 17:00	66.8	72.9	66.2	dB(A)
17:00 - 18:00	66.8	78.8	66.2	dB(A)
18:00 - 19:00	66.8	80.0	66.2	dB(A)
19:00 - 20:00	66.7	70.8	66.1	dB(A)
20:00 - 21:00	66.8	70.9	66.2	dB(A)
21:00 - 22:00	66.8	72.2	66.2	dB(A)
22:00 - 23:00	66.6	70.5	66.1	dB(A)
23:00 - 00:00	66.7	70.2	66.1	dB(A)
00:00 - 01:00	66.6	71.2	66.1	dB(A)
01:00 - 02:00	66.8	70.9	66.2	dB(A)
02:00 - 03:00	66.8	70.6	66.3	dB(A)
03:00 - 04:00	66.8	72.0	66.2	dB(A)
04:00 - 05:00	66.7	70.4	66.2	dB(A)
05:00 - 06:00	66.7	70.6	66.1	dB(A)
06:00 - 07:00	66.7	79.7	66.1	dB(A)
07:00 - 08:00	66.7	78.3	66.1	dB(A)
08:00 - 09:00	66.9	79.7	66.2	dB(A)
09:00 - 10:00	66.8	83.0	66.1	dB(A)
10:00 - 11:00	67.0	82.8	66.2	dB(A)
L_{eq} 24 hr.	66.9	-	-	dB(A)
L_{dn}	73.2	-	-	dB(A)
Maximum	-	85.8	-	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 Regulation of The Department of Industrial Works
(Measurement By Mr. Tummarut Phrasakulchai)



Approved By..

(MRS. WANPEN LHAOCHINDAWAT)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

08/05/2024

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Request No. LA67-R0530
Report No. R6705-0471

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 : บริเวณริมรั้วด้านทิศเหนือของโครงการ
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , L_{90} & L_{dn} SAMPLE NO. : 11167
DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 27-28/04/2024
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 30/04/2024
S/N 01120952 : Class I REPORTED DATE : 08/05/2024

TIME \ DATE	27-28/04/2024 (L_{eq})	27-28/04/2024 (L_{max})	27-28/04/2024 (L_{90})	UNIT
11:00 - 12:00 ¹⁾	67.2	83.1	66.5	dB(A)
12:00 - 13:00	67.0	77.7	66.4	dB(A)
13:00 - 14:00	66.9	84.3	66.3	dB(A)
14:00 - 15:00	66.9	88.8	66.0	dB(A)
15:00 - 16:00	66.9	84.5	66.2	dB(A)
16:00 - 17:00	66.9	73.7	66.2	dB(A)
17:00 - 18:00	66.8	85.4	66.1	dB(A)
18:00 - 19:00	68.1	86.6	66.2	dB(A)
19:00 - 20:00	66.8	84.1	66.0	dB(A)
20:00 - 21:00	66.9	84.9	66.2	dB(A)
21:00 - 22:00	66.9	72.6	66.2	dB(A)
22:00 - 23:00	66.7	70.3	66.1	dB(A)
23:00 - 00:00	66.7	70.1	66.1	dB(A)
00:00 - 01:00	66.7	72.1	66.2	dB(A)
01:00 - 02:00	66.7	70.4	66.1	dB(A)
02:00 - 03:00	66.7	71.1	66.1	dB(A)
03:00 - 04:00	66.7	72.4	66.1	dB(A)
04:00 - 05:00	66.7	71.5	66.1	dB(A)
05:00 - 06:00	66.7	71.2	66.1	dB(A)
06:00 - 07:00	66.7	74.9	66.1	dB(A)
07:00 - 08:00	66.7	71.1	66.2	dB(A)
08:00 - 09:00	66.8	70.3	66.2	dB(A)
09:00 - 10:00	66.8	73.9	66.2	dB(A)
10:00 - 11:00	66.8	81.1	66.1	dB(A)
L_{eq} 24 hr.	66.9	-	-	dB(A)
L_{dn}	73.1	-	-	dB(A)
Maximum	-	88.8	-	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 Regulation of The Department of Industrial Works
(Measurement By Mr. Tummarut Phrasakulchai)



Approved By..

(MRS. WANPEN LHAOCHINDAWAT)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

08/05/2024

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บริษัท อีสเทิร์น ไทย คอนซัลติ้ง 1992 จำกัด

883 หมู่ 11 ต.สุราษฎร์ธานี 8 ต.หนองขาม อ.ศรีราชา จ.ชลบุรี 20230
โทร. 0-3848-1197, 0-3876-3031-2 แฟกซ์ : 0-3848-2095
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EASTERN THAI CONSULTING 1992 CO., LTD.

683 Moo 11 Sukhapibarn 8 Rd., Nongkham, Sriracha, Chonburi 20230
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Website : http://www.etc1992.com E-mail : info@etc1992.com

Request No. LA67-R0530
Report No. R6705-0472

TEST REPORT

CUSTOMER : NPC Safety and Environmental Service Co., Ltd.
ADDRESS : 20/9 Pakomsongkrohrad Rd., T. Maitaphut A. Muangrayong, Rayong 21150
SAMPLE SOURCE : PTT Asahi Chemical Co., Ltd.
SAMPLE POINT : บริเวณรั้วด้านทิศเหนือของโครงการ
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 01120952 : Class 1

SAMPLE NO. : 11168
MEASURING DATE : 28-29/04/2024
RECEIVED DATE : 30/04/2024
REPORTED DATE : 08/05/2024

TIME \ DATE	28-29/04/2024 (L_{eq})	28-29/04/2024 (L_{max})	28-29/04/2024 (L_{90})	UNIT
11:00 - 12:00 ¹⁾	66.9	78.6	66.2	dB(A)
12:00 - 13:00	66.6	82.1	66.0	dB(A)
13:00 - 14:00	66.6	79.9	65.9	dB(A)
14:00 - 15:00	66.9	83.8	66.1	dB(A)
15:00 - 16:00	67.1	81.3	66.0	dB(A)
16:00 - 17:00	66.8	84.8	66.1	dB(A)
17:00 - 18:00	66.8	80.0	66.0	dB(A)
18:00 - 19:00	68.1	84.2	66.0	dB(A)
19:00 - 20:00	66.8	70.7	66.2	dB(A)
20:00 - 21:00	66.7	76.7	66.0	dB(A)
21:00 - 22:00	66.8	70.3	66.2	dB(A)
22:00 - 23:00	66.6	72.2	66.0	dB(A)
23:00 - 00:00	66.6	72.3	66.0	dB(A)
00:00 - 01:00	66.6	71.0	66.0	dB(A)
01:00 - 02:00	66.7	70.6	66.0	dB(A)
02:00 - 03:00	66.7	70.3	66.1	dB(A)
03:00 - 04:00	66.7	71.5	66.1	dB(A)
04:00 - 05:00	66.7	71.1	66.1	dB(A)
05:00 - 06:00	66.8	70.6	66.2	dB(A)
06:00 - 07:00	66.7	70.4	66.1	dB(A)
07:00 - 08:00	66.7	70.6	66.1	dB(A)
08:00 - 09:00	66.7	70.8	66.1	dB(A)
09:00 - 10:00	66.8	84.5	66.1	dB(A)
10:00 - 11:00	66.8	84.8	66.1	dB(A)
L_{eq} 24 hr.	66.8	-	-	dB(A)
L_{dn}	73.1	-	-	dB(A)
Maximum	-	84.8	-	dB(A)
Standard	$70^{1)} \pm 70^{2)}$	$115^{1)} \pm 115^{2)}$	-	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 Regulation of The Department of Industrial Works
(Measurement By Mr. Tummarut Phonakman)



บริษัท อีสเทิร์น ไทย คอนซัลติ้ง 1992 จำกัด

Approved By...

(MRS. WANPEN LHAOCHINDAWAT)

08/05/2024

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Request No. LA67-R0530
Report No. R6705-0473

TEST REPORT

CUSTOMER : NPC Safety and Environmental Service Co., Ltd.
ADDRESS : 20/9 Pakomsongkrohrad Rd., T. Maitaphut A. Muangrayong, Rayong 21150
SAMPLE SOURCE : PTT Asahi Chemical Co., Ltd.
SAMPLE POINT : บริเวณรั้วด้านทิศเหนือของโครงการ
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 01120952 : Class 1

SAMPLE NO. : 11169
MEASURING DATE : 29-30/04/2024
RECEIVED DATE : 30/04/2024
REPORTED DATE : 08/05/2024

TIME \ DATE	29-30/04/2024 (L_{eq})	29-30/04/2024 (L_{max})	29-30/04/2024 (L_{90})	UNIT
11:00 - 12:00 ¹⁾	66.9	83.6	66.1	dB(A)
12:00 - 13:00	66.8	86.7	65.9	dB(A)
13:00 - 14:00	66.7	85.3	65.9	dB(A)
14:00 - 15:00	67.2	86.6	66.2	dB(A)
15:00 - 16:00	66.8	83.1	66.1	dB(A)
16:00 - 17:00	66.9	76.2	66.2	dB(A)
17:00 - 18:00	66.9	83.9	66.1	dB(A)
18:00 - 19:00	66.8	77.8	66.1	dB(A)
19:00 - 20:00	66.8	83.0	66.1	dB(A)
20:00 - 21:00	66.7	75.6	66.1	dB(A)
21:00 - 22:00	66.9	85.9	66.1	dB(A)
22:00 - 23:00	66.8	84.8	66.1	dB(A)
23:00 - 00:00	66.8	70.4	66.2	dB(A)
00:00 - 01:00	66.7	73.1	66.1	dB(A)
01:00 - 02:00	66.6	70.7	66.0	dB(A)
02:00 - 03:00	66.8	70.7	66.2	dB(A)
03:00 - 04:00	66.7	71.1	66.1	dB(A)
04:00 - 05:00	66.7	70.3	66.1	dB(A)
05:00 - 06:00	66.7	70.6	66.1	dB(A)
06:00 - 07:00	66.6	70.5	66.0	dB(A)
07:00 - 08:00	66.6	70.6	66.0	dB(A)
08:00 - 09:00	66.6	73.5	66.0	dB(A)
09:00 - 10:00	66.8	87.6	66.0	dB(A)
10:00 - 11:00	66.9	87.5	65.9	dB(A)
L_{eq} 24 hr.	66.8	-	-	dB(A)
L_{dn}	73.1	-	-	dB(A)
Maximum	-	87.6	-	dB(A)
Standard	$70^{1)} \pm 70^{2)}$	$115^{1)} \pm 115^{2)}$	-	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 Regulation of The Department of Industrial Works
(Measurement By Mr. Tummarut Phonakman)



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Approved By...

(MRS. WANPEN LHAOCHINDAWAT)

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