

ระดับเสียงทั่วไป (Leq-24 hr)



EASTERN THAI CONSULTING 1992 CO., LTD.

683 Moo 11 Sukhaphibam 8 Rd., Nongkham, Sriracha, Chonburi 20230
Tel. 0-3848-1197-8, 0-3876-3031-2 Fax : 0-3848-2095 E-mail : marketing@etc1992.com

ISO 9001 / ISO 14001



ACCREDITED
ISO 9001 / ISO 14001

EASTERN THAI CONSULTING 1992 CO., LTD.

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NSC-TISI-TIS 17025
TESTING 0031

Request No. LA65-R0524
Report No. R6505-0314

TEST REPORT

CUSTOMER : NPC Safety and Environmental Service Co., Ltd.
ADDRESS : 20/9 Pakornsongkrotrad Rd., T. Maplaphut A. Muangrayong, Rayong 21150
SAMPLE SOURCE : PTT Asahi Chemical Co., Ltd.
SAMPLE POINT : ใต้ถังเก็บน้ำดิบ
PARAMETER* : L_{eq} , L_{1hr} , L_{24hr} , L_{min} , L_{max} , L_{eq} & L_{day} : 07187
DETERMINATION METHOD : ISO 1996-1:2016
INSTRUMENT : Integrated Sound Level Meter
RECEIVED DATE : 25-26/04/2022
REPORTED DATE : 06/05/2022
S/N 01147300 : Type 2

TIME \ DATE	25-26/04/2022 (L_{eq})	25-26/04/2022 (L_{max})	25-26/04/2022 (L_{day})	UNIT
08:00 – 09:00 ³	54.8	73.7	47.8	dB(A)
09:00 – 10:00	49.5	73.2	43.7	dB(A)
10:00 – 11:00	53.2	75.4	47.6	dB(A)
11:00 – 12:00	55.1	75.6	47.2	dB(A)
12:00 – 13:00	53.9	68.8	48.5	dB(A)
13:00 – 14:00	53.7	69.0	50.0	dB(A)
14:00 – 15:00	53.4	71.6	49.1	dB(A)
15:00 – 16:00	55.0	78.3	50.3	dB(A)
16:00 – 17:00	56.7	77.9	50.9	dB(A)
17:00 – 18:00	54.1	73.6	47.9	dB(A)
18:00 – 19:00	63.4	87.5	47.4	dB(A)
19:00 – 20:00	50.2	67.3	46.8	dB(A)
20:00 – 21:00	49.9	72.4	46.4	dB(A)
21:00 – 22:00	48.7	71.0	46.7	dB(A)
22:00 – 23:00	56.0	74.3	46.8	dB(A)
23:00 – 00:00	52.4	71.8	46.5	dB(A)
00:00 – 01:00	49.1	73.9	45.5	dB(A)
01:00 – 02:00	47.3	67.0	45.7	dB(A)
02:00 – 03:00	47.0	63.3	45.8	dB(A)
03:00 – 04:00	48.4	72.8	45.5	dB(A)
04:00 – 05:00	49.4	65.7	45.4	dB(A)
05:00 – 06:00	60.4	79.8	47.5	dB(A)
06:00 – 07:00	55.9	76.6	47.8	dB(A)
07:00 – 08:00	58.3	84.3	47.5	dB(A)
L_{eq} 24 hr.	55.3	-	-	dB(A)
L_{day}	60.9	-	-	dB(A)
Maximum	-	87.5	-	dB(A)
Standard	70 ¹ , 70 ²	115 ¹ , 115 ²	-	dB(A)

REMARK : ¹ Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory

² Notification of Office of The National Environmental Board Volume 15 B.E. 2540 (1997)

³ Start Time

* Parameter Outside The Scope of The Registration of Industrial Works
(Ms. Tharaporn Klinsoopon is Section Chief, Ms. Wipree Chanchandawat is Technical M.
(Measurement By Mr. Tummarat Phoonphakdi)

Approved By:

วันที่ 1 สิงหาคม 2565

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

TEST REPORT

CUSTOMER : NPC Safety and Environmental Service Co., Ltd.
ADDRESS : 20/9 Pakornsongkrotrad Rd., T. Maplaphut A. Muangrayong, Rayong 21150
SAMPLE SOURCE : PTT Asahi Chemical Co., Ltd.
SAMPLE POINT : ใต้ถังเก็บน้ำดิบ
PARAMETER* : L_{eq} , L_{1hr} , L_{24hr} , L_{min} , L_{max} , L_{eq} & L_{day} : 07188
DETERMINATION METHOD : ISO 1996-1:2016
INSTRUMENT : Integrated Sound Level Meter
RECEIVED DATE : 26-27/04/2022
REPORTED DATE : 06/05/2022
S/N 01147300 : Type 2

TIME \ DATE	26-27/04/2022 (L_{eq})	26-27/04/2022 (L_{max})	26-27/04/2022 (L_{day})	UNIT
08:00 – 09:00 ³	55.9	75.6	50.0	dB(A)
09:00 – 10:00	51.5	71.2	46.0	dB(A)
10:00 – 11:00	54.5	74.2	49.0	dB(A)
11:00 – 12:00	53.0	70.9	47.7	dB(A)
12:00 – 13:00	55.3	72.7	49.6	dB(A)
13:00 – 14:00	55.0	76.5	49.4	dB(A)
14:00 – 15:00	60.1	91.0	50.2	dB(A)
15:00 – 16:00	58.2	89.6	49.5	dB(A)
16:00 – 17:00	58.7	74.9	50.8	dB(A)
17:00 – 18:00	54.7	73.8	49.5	dB(A)
18:00 – 19:00	58.7	77.2	48.1	dB(A)
19:00 – 20:00	50.0	69.9	47.1	dB(A)
20:00 – 21:00	67.0	87.0	46.4	dB(A)
21:00 – 22:00	49.3	70.7	46.8	dB(A)
22:00 – 23:00	47.8	61.9	46.4	dB(A)
23:00 – 00:00	48.1	68.5	46.2	dB(A)
00:00 – 01:00	47.6	74.0	45.7	dB(A)
01:00 – 02:00	46.6	60.4	45.5	dB(A)
02:00 – 03:00	48.1	65.1	46.0	dB(A)
03:00 – 04:00	46.6	53.3	45.7	dB(A)
04:00 – 05:00	47.8	65.7	45.4	dB(A)
05:00 – 06:00	60.8	72.4	45.6	dB(A)
06:00 – 07:00	55.5	79.6	47.9	dB(A)
07:00 – 08:00	59.3	85.5	47.8	dB(A)
L_{eq} 24 hr.	57.4	-	-	dB(A)
L_{day}	61.1	-	-	dB(A)
Maximum	-	91.0	-	dB(A)
Standard	70 ¹ , 70 ²	115 ¹ , 115 ²	-	dB(A)

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(Measurement By Mr. Tummarat Phoonphakdi)

Approved By:

วันที่ 1 สิงหาคม 2565

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ISO 9001 / ISO 14001

Request No. LA65-R0524
Report No. R6505-0316

TEST REPORT

CUSTOMER : NPC Safety and Environmental Service Co., Ltd.
ADDRESS : 209 Pakomongsongkrohnad Rd., T. Maplaphui A. Muangrayong, Rayong 21150
SAMPLE SOURCE : PTT Asahi Chemical Co., Ltd.
SAMPLE POINT : เก็บจากถังบำบัดน้ำเสีย
PARAMETER* : L_a , L_{24} , L_{eq} , L_{max} , L_{min} , L_{day} & L_{night}
DETERMINATION METHOD : ISO 1996-1:2016
INSTRUMENT : Integrated Sound Level Meter
SN 01147300 : Type 2

SAMPLE NO. : 07189
MEASURING DATE : 27-28/04/2022
RECEIVED DATE : 02/05/2022
REPORTED DATE : 06/05/2022

TIME / DATE	27-28/04/2022 (L_{eq})	27-28/04/2022 (L_{max})	UNIT
08:00 – 09:00 ^{a)}	56.9	79.0	dB(A)
09:00 – 10:00	56.2	79.6	dB(A)
10:00 – 11:00	53.4	70.5	dB(A)
11:00 – 12:00	56.7	77.8	dB(A)
12:00 – 13:00	58.8	69.1	dB(A)
13:00 – 14:00	51.7	74.8	dB(A)
14:00 – 15:00	53.1	68.8	dB(A)
15:00 – 16:00	53.1	77.2	dB(A)
16:00 – 17:00	54.7	70.3	dB(A)
17:00 – 18:00	55.9	72.6	dB(A)
18:00 – 19:00	56.7	83.7	dB(A)
19:00 – 20:00	63.1	73.8	dB(A)
20:00 – 21:00	47.3	66.5	dB(A)
21:00 – 22:00	50.2	72.7	dB(A)
22:00 – 23:00	65.3	85.2	dB(A)
23:00 – 00:00	58.7	85.5	dB(A)
00:00 – 01:00	56.3	84.5	dB(A)
01:00 – 02:00	48.2	76.7	dB(A)
02:00 – 03:00	51.2	56.6	dB(A)
03:00 – 04:00	47.5	66.4	dB(A)
04:00 – 05:00	45.9	53.8	dB(A)
05:00 – 06:00	50.3	74.1	dB(A)
06:00 – 07:00	59.3	70.9	dB(A)
07:00 – 08:00	55.5	75.9	dB(A)
L_{eq} 24 hr.	57.1	-	dB(A)
L_{day}	64.3	-	dB(A)
Maximum	-	85.5	dB(A)
Standard	70 ^{b)} , 70 ^{c)}	115 ^{d)} , 115 ^{e)}	dB(A)

REMARK : ^{a)} Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory

^{b)} Notification of Office of The National Environmental Board Volume 15 B.E. 2540 (1997)

^{c)} Notification of Ministry of the Industry B.E. 2539 (1996)

* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Ms. Thanaporn Klinasorn is Section Head of the Department of Industrial Works is Technical N
(Measurement By Mr. Tummarut Photakachorn)

Approved By

^{d)} Start Time



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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ISO 9001 / ISO 14001

Request No. LA65-R0524
Report No. R6505-0317

TEST REPORT

CUSTOMER : NPC Safety and Environmental Service Co., Ltd.
ADDRESS : 209 Pakomongsongkrohnad Rd., T. Maplaphui A. Muangrayong, Rayong 21150
SAMPLE SOURCE : PTT Asahi Chemical Co., Ltd.
SAMPLE POINT : เก็บจากถังบำบัดน้ำเสีย
PARAMETER* : L_a , L_{24} , L_{eq} , L_{max} , L_{min} , L_{day} & L_{night}
DETERMINATION METHOD : ISO 1996-1:2016
INSTRUMENT : Integrated Sound Level Meter
SN 01147300 : Type 2

SAMPLE NO. : 07190
MEASURING DATE : 28-29/04/2022
RECEIVED DATE : 02/05/2022
REPORTED DATE : 06/05/2022

TIME / DATE	28-29/04/2022 (L_{eq})	28-29/04/2022 (L_{max})	UNIT
08:00 – 09:00 ^{a)}	59.3	83.2	dB(A)
09:00 – 10:00	61.4	83.3	dB(A)
10:00 – 11:00	55.1	77.8	dB(A)
11:00 – 12:00	55.3	76.8	dB(A)
12:00 – 13:00	55.9	77.0	dB(A)
13:00 – 14:00	52.5	73.8	dB(A)
14:00 – 15:00	52.4	66.9	dB(A)
15:00 – 16:00	52.5	70.2	dB(A)
16:00 – 17:00	58.5	81.0	dB(A)
17:00 – 18:00	57.2	79.7	dB(A)
18:00 – 19:00	53.4	70.4	dB(A)
19:00 – 20:00	61.6	71.8	dB(A)
20:00 – 21:00	48.6	67.4	dB(A)
21:00 – 22:00	56.5	79.9	dB(A)
22:00 – 23:00	60.0	75.2	dB(A)
23:00 – 00:00	51.6	82.5	dB(A)
00:00 – 01:00	53.2	79.6	dB(A)
01:00 – 02:00	50.5	79.5	dB(A)
02:00 – 03:00	51.0	81.0	dB(A)
03:00 – 04:00	46.2	58.9	dB(A)
04:00 – 05:00	48.6	66.2	dB(A)
05:00 – 06:00	50.7	70.1	dB(A)
06:00 – 07:00	61.8	85.6	dB(A)
07:00 – 08:00	55.6	80.3	dB(A)
L_{eq} 24 hr.	56.6	-	dB(A)
L_{day}	62.3	-	dB(A)
Maximum	-	85.6	dB(A)
Standard	70 ^{b)} , 70 ^{c)}	115 ^{d)} , 115 ^{e)}	dB(A)

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^{b)} Notification of Office of The National Environmental Board Volume 15 B.E. 2540 (1997)

^{c)} Notification of Ministry of the Industry B.E. 2539 (1996)

* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Ms. Thanaporn Klinasorn is Section Head of the Department of Industrial Works is Technical Mana
(Measurement By Mr. Tummarut Photakachorn)

Approved By

^{d)} Start Time



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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ISO 9001 / ISO 14001

Request No. LA65-R0524
Report No. R6505-0318

TEST REPORT

CUSTOMER : NPC Safety and Environmental Service Co., Ltd.
ADDRESS : 20/9 Pakomsongkrohrad Rd., T. Mapaphut A. Muangrayong, Rayong 21150
SAMPLE SOURCE : PTT Asahi Chemical Co., Ltd.
SAMPLE POINT : บริเวณถังน้ำมัน
PARAMETER* : L_a , L_{1hr} , L_{24hr} , L_{max} , L_{min} & L_{avg}
DETERMINATION METHOD : ISO 1996-1:2016
INSTRUMENT : Integrated Sound Level Meter
S/N 01147300 : Type 2

SAMPLE NO. : 07191
MEASURING DATE : 29-30/04/2022
RECEIVED DATE : 02/05/2022
REPORTED DATE : 06/05/2022

TIME / DATE	29-30/04/2022 (L_{eq})	29-30/04/2022 (L_{max})	UNIT
08:00 - 09:00 ¹⁾	61.1	84.9	dB(A)
09:00 - 10:00	56.1	81.3	dB(A)
10:00 - 11:00	54.4	81.8	dB(A)
11:00 - 12:00	54.5	72.6	dB(A)
12:00 - 13:00	58.4	68.8	dB(A)
13:00 - 14:00	58.3	78.3	dB(A)
14:00 - 15:00	57.8	73.3	dB(A)
15:00 - 16:00	52.2	82.9	dB(A)
16:00 - 17:00	52.3	75.7	dB(A)
17:00 - 18:00	52.3	72.0	dB(A)
18:00 - 19:00	65.7	83.9	dB(A)
19:00 - 20:00	55.2	81.7	dB(A)
20:00 - 21:00	55.9	84.4	dB(A)
21:00 - 22:00	48.3	75.5	dB(A)
22:00 - 23:00	48.7	65.4	dB(A)
23:00 - 00:00	50.0	56.8	dB(A)
00:00 - 01:00	48.8	66.8	dB(A)
01:00 - 02:00	56.2	64.7	dB(A)
02:00 - 03:00	49.0	76.8	dB(A)
03:00 - 04:00	48.8	69.3	dB(A)
04:00 - 05:00	50.2	70.0	dB(A)
05:00 - 06:00	66.9	79.5	dB(A)
06:00 - 07:00	52.9	77.0	dB(A)
07:00 - 08:00	54.5	83.6	dB(A)
L_{eq} 24 hr.	58.1	-	dB(A)
L_{max}	64.6	-	dB(A)
Maximum	-	84.9	dB(A)
Standard	70 ²⁾	115 ³⁾ , 115 ²⁾	dB(A)

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

²⁾ Notification of Ministry of the Industry B.E. 2538 (1995)

* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Ms. Thanaporn Klinsepon is Section Chief of the Department of Industrial Works is Technical N
(Measurement By Mr. Tummarut Phakphibum)

³⁾ Start Time



Approved By

วันที่ 30/04/2022 19:52 น.

REPORTED TEST REFER TO SUBMITTED SAMPLES ON
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ISO 9001 / ISO 14001

Request No. LA65-R0524
Report No. R6505-0319

TEST REPORT

CUSTOMER : NPC Safety and Environmental Service Co., Ltd.
ADDRESS : 20/9 Pakomsongkrohrad Rd., T. Mapaphut A. Muangrayong, Rayong 21150
SAMPLE SOURCE : PTT Asahi Chemical Co., Ltd.
SAMPLE POINT : บริเวณถังน้ำมัน
PARAMETER* : L_a , L_{1hr} , L_{24hr} , L_{max} , L_{min} & L_{avg}
DETERMINATION METHOD : ISO 1996-1:2016
INSTRUMENT : Integrated Sound Level Meter
S/N 01147300 : Type 2

SAMPLE NO. : 07192
MEASURING DATE : 30/04/2022-01/05/2022
RECEIVED DATE : 02/05/2022
REPORTED DATE : 06/05/2022

TIME / DATE	30/04/2022-01/05/2022 (L_{eq})	30/04/2022-01/05/2022 (L_{max})	UNIT
08:00 - 09:00 ¹⁾	52.1	77.3	dB(A)
09:00 - 10:00	54.2	77.0	dB(A)
10:00 - 11:00	54.7	77.8	dB(A)
11:00 - 12:00	57.2	78.7	dB(A)
12:00 - 13:00	53.0	66.3	dB(A)
13:00 - 14:00	52.7	71.5	dB(A)
14:00 - 15:00	60.9	88.9	dB(A)
15:00 - 16:00	62.7	89.5	dB(A)
16:00 - 17:00	53.7	83.4	dB(A)
17:00 - 18:00	53.0	74.2	dB(A)
18:00 - 19:00	55.2	86.0	dB(A)
19:00 - 20:00	48.6	67.6	dB(A)
20:00 - 21:00	50.1	71.9	dB(A)
21:00 - 22:00	53.3	84.5	dB(A)
22:00 - 23:00	51.8	60.2	dB(A)
23:00 - 00:00	65.4	87.6	dB(A)
00:00 - 01:00	52.7	58.9	dB(A)
01:00 - 02:00	47.1	53.1	dB(A)
02:00 - 03:00	47.0	68.6	dB(A)
03:00 - 04:00	49.0	70.4	dB(A)
04:00 - 05:00	50.3	68.8	dB(A)
05:00 - 06:00	61.7	73.9	dB(A)
06:00 - 07:00	66.4	97.9	dB(A)
07:00 - 08:00	55.8	80.4	dB(A)
L_{eq} 24 hr.	58.3	-	dB(A)
L_{max}	66.4	-	dB(A)
Maximum	-	97.9	dB(A)
Standard	70 ²⁾	115 ³⁾ , 115 ²⁾	dB(A)

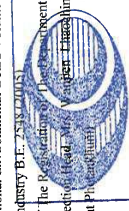
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²⁾ Notification of Ministry of the Industry B.E. 2538 (1995)

* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Ms. Thanaporn Klinsepon is Section Chief of the Department of Industrial Works is Technical N
(Measurement By Mr. Tummarut Phakphibum)

³⁾ Start Time



Approved By

วันที่ 30/04/2022 19:52 น.

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ISO 9001 / ISO 14001

Request No. LA65-R0524
Report No. R6505-0320

TEST REPORT

CUSTOMER : NPC Safety and Environmental Service Co., Ltd.
ADDRESS : 20/9 Pakomsongkroh Rd., T. Maplaphut A. Muangrayong, Rayong 21150
SAMPLE SOURCE : PTT Asahi Chemical Co., Ltd.
SAMPLE POINT : บริษัท ปตท. จำกัด (มหาชน) โรงงาน
PARAMETER* : L_{eq} , L_{1hr} , L_{24hr} , L_{max} , L_{min} & L_{day}
DETERMINATION METHOD : ISO 1996-1:2016
INSTRUMENT : Integrated Sound Level Meter
S/N 01147300 : Type 2

SAMPLE NO. : 07193
MEASURING DATE : 01-02/05/2022
RECEIVED DATE : 02/05/2022
REPORTED DATE : 06/05/2022

TIME \ DATE	01-02/05/2022 (L_{eq})	01-02/05/2022 (L_{max})	01-02/05/2022 (L_{min})	UNIT
08:00 - 09:00 ³	51.2	71.1	46.3	dB(A)
09:00 - 10:00	59.1	93.4	47.5	dB(A)
10:00 - 11:00	50.9	75.3	46.6	dB(A)
11:00 - 12:00	52.7	76.3	44.4	dB(A)
12:00 - 13:00	50.3	76.6	43.5	dB(A)
13:00 - 14:00	50.2	69.2	43.2	dB(A)
14:00 - 15:00	61.1	71.1	43.9	dB(A)
15:00 - 16:00	55.1	86.7	44.5	dB(A)
16:00 - 17:00	55.1	85.9	44.9	dB(A)
17:00 - 18:00	57.0	81.7	45.6	dB(A)
18:00 - 19:00	54.1	76.4	46.4	dB(A)
19:00 - 20:00	65.9	91.0	45.6	dB(A)
20:00 - 21:00	51.2	71.2	46.7	dB(A)
21:00 - 22:00	49.3	65.2	46.0	dB(A)
22:00 - 23:00	54.1	70.4	46.7	dB(A)
23:00 - 00:00	50.8	62.8	49.6	dB(A)
00:00 - 01:00	55.6	71.1	49.1	dB(A)
01:00 - 02:00	50.2	62.4	49.1	dB(A)
02:00 - 03:00	84.1	84.1	45.4	dB(A)
03:00 - 04:00	49.0	61.0	48.2	dB(A)
04:00 - 05:00	48.9	67.2	46.3	dB(A)
05:00 - 06:00	56.0	75.9	45.3	dB(A)
06:00 - 07:00	55.2	75.3	48.0	dB(A)
07:00 - 08:00	58.7	80.1	51.0	dB(A)
L_{eq} 24 hr.	56.6	-	-	dB(A)
L_{day}	60.8	-	-	dB(A)
Maximum	70 ³	93.4	-	dB(A)
Standard	115 ⁴ , 70 ²	115 ⁴ , 115 ²	-	dB(A)

REMARK : * Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory

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

² Notification of Ministry of the Industry B.E. 2538 (2005)

* Parameter Outside The Scope of The Registration of Industrial Works
(Ms. Thanaiporn Klinsepon is Section Head, Mr. Yutha Phansawat is Technical
(Measurement By Mr. Tummarat Pholaditong)

Approved E

³ Start Time



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

REPORTED TEST REFER TO SUBMITTED SAMPLES O
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ISO 9001 / ISO 14001

Request No. LA65-R0524
Report No. R6505-0321

TEST REPORT

CUSTOMER : NPC Safety and Environmental Service Co., Ltd.
ADDRESS : 20/9 Pakomsongkroh Rd., T. Maplaphut A. Muangrayong, Rayong 21150
SAMPLE SOURCE : PTT Asahi Chemical Co., Ltd.
SAMPLE POINT : บริษัท ปตท. จำกัด (มหาชน) โรงงาน
PARAMETER* : L_{eq} , L_{1hr} , L_{24hr} , L_{max} & L_{day}
DETERMINATION METHOD : ISO 1996-1:2016
INSTRUMENT : Integrated Sound Level Meter
S/N G301607 : Type 2

SAMPLE NO. : 07194
MEASURING DATE : 25-26/04/2022
RECEIVED DATE : 02/05/2022
REPORTED DATE : 06/05/2022

TIME \ DATE	25-26/04/2022 (L_{eq})	25-26/04/2022 (L_{max})	25-26/04/2022 (L_{min})	UNIT
09:30 - 10:30 ³	66.8	72.8	66.0	dB(A)
10:30 - 11:30	67.0	75.4	66.0	dB(A)
11:30 - 12:30	67.1	75.3	66.0	dB(A)
12:30 - 13:30	67.0	75.2	66.1	dB(A)
13:30 - 14:30	67.5	75.3	66.5	dB(A)
14:30 - 15:30	67.2	77.6	66.2	dB(A)
15:30 - 16:30	66.9	73.9	66.0	dB(A)
16:30 - 17:30	67.1	78.8	66.2	dB(A)
17:30 - 18:30	67.1	73.9	66.3	dB(A)
18:30 - 19:30	67.2	76.3	66.4	dB(A)
19:30 - 20:30	67.0	71.0	66.4	dB(A)
20:30 - 21:30	67.0	70.7	66.2	dB(A)
21:30 - 22:30	67.1	70.0	66.4	dB(A)
22:30 - 23:30	67.0	69.2	66.4	dB(A)
23:30 - 00:30	67.0	69.0	66.3	dB(A)
00:30 - 01:30	67.1	70.2	66.4	dB(A)
01:30 - 02:30	67.0	69.4	66.4	dB(A)
02:30 - 03:30	67.1	68.9	66.5	dB(A)
03:30 - 04:30	67.1	68.9	66.4	dB(A)
04:30 - 05:30	67.0	68.8	66.4	dB(A)
05:30 - 06:30	67.1	74.5	66.5	dB(A)
06:30 - 07:30	67.3	73.0	66.5	dB(A)
07:30 - 08:30	67.3	73.8	66.5	dB(A)
08:30 - 09:30	67.1	74.6	66.1	dB(A)
L_{eq} 24 hr.	67.1	-	-	dB(A)
L_{day}	73.5	-	-	dB(A)
Maximum	70 ³ , 70 ²	78.8	-	dB(A)
Standard	115 ⁴ , 70 ²	115 ⁴ , 115 ²	-	dB(A)

REMARK : * Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory

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

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

* Parameter Outside The Scope of The Registration of Industrial Works
(Ms. Thanaiporn Klinsepon is Section Head, Mr. Yutha Phansawat is Technical Man
(Measurement By Mr. Tummarat Pholaditong)

Approved By...



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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ISO 9001 / ISO 14001

NSC-TISI-TIS 17025

TESTING 0031

Request No. LA65-R0524

Report No. R6505-0322

TEST REPORT

CUSTOMER : NPC Safety and Environmental Service Co., Ltd.
ADDRESS : 20/9 Pakomsongkrohrad Rd., T. Mapaphut A. Muangrayong, Rayong 21150
SAMPLE SOURCE : PTT Asahi Chemical Co., Ltd.
SAMPLE POINT : บริเวณรั้วด้านทิศเหนือของโครงการ
PARAMETER* : L_{eq} 1 hr., L_{24} hr., L_{max} & L_{min}
DETERMINATION METHOD : ISO 1996-1:2016
INSTRUMENT : Integrated Sound Level Meter
S/N G301607 : Type 2

SAMPLE NO. : 07195
MEASURING DATE : 26-27/04/2022
RECEIVED DATE : 02/05/2022
REPORTED DATE : 06/05/2022

TIME / DATE	26-27/04/2022 (L_{eq})	26-27/04/2022 (L_{max})	UNIT
09:30 – 10:30 ^a	66.9	77.9	dB(A)
10:30 – 11:30	66.9	73.9	dB(A)
11:30 – 12:30	66.9	75.1	dB(A)
12:30 – 13:30	67.1	73.2	dB(A)
13:30 – 14:30	67.3	73.9	dB(A)
14:30 – 15:30	67.3	74.5	dB(A)
15:30 – 16:30	66.9	75.9	dB(A)
16:30 – 17:30	67.0	73.1	dB(A)
17:30 – 18:30	67.0	74.6	dB(A)
18:30 – 19:30	67.3	73.3	dB(A)
19:30 – 20:30	67.2	75.6	dB(A)
20:30 – 21:30	67.0	68.8	dB(A)
21:30 – 22:30	67.1	68.9	dB(A)
22:30 – 23:30	67.1	69.6	dB(A)
23:30 – 00:30	67.1	69.4	dB(A)
00:30 – 01:30	67.0	68.9	dB(A)
01:30 – 02:30	67.1	69.0	dB(A)
02:30 – 03:30	67.1	69.8	dB(A)
03:30 – 04:30	67.1	69.2	dB(A)
04:30 – 05:30	67.0	68.5	dB(A)
05:30 – 06:30	67.0	69.0	dB(A)
06:30 – 07:30	67.2	77.9	dB(A)
07:30 – 08:30	66.8	73.0	dB(A)
08:30 – 09:30	66.5	75.8	dB(A)
L_{eq} 24 hr.	67.0	-	dB(A)
L_{max}	73.5	-	dB(A)
Maximum Standard	70 ^b 70 ^c	115 ^d 115 ^e	dB(A)

REMARK : ^a Test Report/Sampling marked "Not TISI Accredited" in this report are not included in the TISI Accreditation Schedule for our laboratory

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

² Start Time

³ Notification of Ministry of the Industry B.E. 2548 (2005)
* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Ms. Thanaporn Klinasorn is Section Head, Noise and Vibration Control is Technical Measurement By Mr. Tummarut Phadungthum)



Approved By..

วันที่ 06/05/2022

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ISO 9001 / ISO 14001

NSC-TISI-TIS 17025

TESTING 0031

Request No. LA65-R0524

Report No. R6505-0323

TEST REPORT

CUSTOMER : NPC Safety and Environmental Service Co., Ltd.
ADDRESS : 20/9 Pakomsongkrohrad Rd., T. Mapaphut A. Muangrayong, Rayong 21150
SAMPLE SOURCE : PTT Asahi Chemical Co., Ltd.
SAMPLE POINT : บริเวณรั้วด้านทิศเหนือของโครงการ
PARAMETER* : L_{eq} 1 hr., L_{24} hr., L_{max} & L_{min}
DETERMINATION METHOD : ISO 1996-1:2016
INSTRUMENT : Integrated Sound Level Meter
S/N G301607 : Type 2

SAMPLE NO. : 07196
MEASURING DATE : 27-28/04/2022
RECEIVED DATE : 02/05/2022
REPORTED DATE : 06/05/2022

TIME / DATE	27-28/04/2022 (L_{eq})	27-28/04/2022 (L_{max})	UNIT
09:30 – 10:30 ^a	66.7	73.7	dB(A)
10:30 – 11:30	67.0	74.9	dB(A)
11:30 – 12:30	66.5	71.9	dB(A)
12:30 – 13:30	67.4	80.0	dB(A)
13:30 – 14:30	67.0	74.2	dB(A)
14:30 – 15:30	66.8	71.2	dB(A)
15:30 – 16:30	67.1	76.4	dB(A)
16:30 – 17:30	66.5	80.2	dB(A)
17:30 – 18:30	66.6	77.6	dB(A)
18:30 – 19:30	66.9	74.3	dB(A)
19:30 – 20:30	66.7	68.7	dB(A)
20:30 – 21:30	66.2	68.4	dB(A)
21:30 – 22:30	66.2	68.9	dB(A)
22:30 – 23:30	66.6	68.5	dB(A)
23:30 – 00:30	66.4	68.3	dB(A)
00:30 – 01:30	66.7	68.6	dB(A)
01:30 – 02:30	66.7	68.3	dB(A)
02:30 – 03:30	67.0	68.7	dB(A)
03:30 – 04:30	67.1	69.1	dB(A)
04:30 – 05:30	67.1	69.1	dB(A)
05:30 – 06:30	67.1	69.5	dB(A)
06:30 – 07:30	67.2	77.7	dB(A)
07:30 – 08:30	67.1	76.8	dB(A)
08:30 – 09:30	66.9	72.5	dB(A)
L_{eq} 24 hr.	66.8	-	dB(A)
L_{max}	73.3	-	dB(A)
Maximum Standard	70 ^b 70 ^c	115 ^d 115 ^e	dB(A)

REMARK : ^a Test Report/Sampling marked "Not TISI Accredited" in this report are not included in the TISI Accreditation Schedule for our laboratory

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

² Start Time

³ Notification of Ministry of the Industry B.E. 2548 (2005)
* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Ms. Thanaporn Klinasorn is Section Head, Noise and Vibration Control is Technical Measurement By Mr. Tummarut Phadungthum)



Approved F

วันที่ 06/05/2022

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ISO 9001 / ISO 14001

Request No. LA65-R0524
Report No. R6505-0324

TEST REPORT

CUSTOMER : NPC Safety and Environmental Service Co., Ltd.
ADDRESS : 209 Pakomsongkrotrah Rd., T. Maplaphut A. Muangrayong, Rayong 21150
SAMPLE SOURCE : PTT Asahi Chemical Co., Ltd.
SAMPLE POINT : บริเวณพื้นที่ดินของโครงการ
PARAMETER* : L_{1hr} , L_{24hr} , L_{max} , L_{eq} & L_{day}
DETERMINATION METHOD : ISO 1996-1:2016
INSTRUMENT : Integrated Sound Level Meter
S/N G301607 : Type 2

SAMPLE NO. : 07197
MEASURING DATE : 28-29/04/2022
RECEIVED DATE : 02/05/2022
REPORTED DATE : 06/05/2022

TIME / DATE	28-29/04/2022 (L_{eq})	28-29/04/2022 (L_{max})	UNIT
09:30 - 10:30 ^a	67.2	81.0	dB(A)
10:30 - 11:30	67.0	73.0	dB(A)
11:30 - 12:30	66.8	77.4	dB(A)
12:30 - 13:30	66.7	73.0	dB(A)
13:30 - 14:30	67.0	73.4	dB(A)
14:30 - 15:30	66.9	75.6	dB(A)
15:30 - 16:30	66.9	75.4	dB(A)
16:30 - 17:30	66.9	77.6	dB(A)
17:30 - 18:30	67.1	73.0	dB(A)
18:30 - 19:30	66.8	72.9	dB(A)
19:30 - 20:30	66.8	69.1	dB(A)
20:30 - 21:30	65.8	76.4	dB(A)
21:30 - 22:30	67.9	87.3	dB(A)
22:30 - 23:30	67.1	76.0	dB(A)
23:30 - 00:30	66.3	68.5	dB(A)
00:30 - 01:30	66.4	67.7	dB(A)
01:30 - 02:30	66.6	68.1	dB(A)
02:30 - 03:30	66.9	68.4	dB(A)
03:30 - 04:30	67.1	72.8	dB(A)
04:30 - 05:30	67.0	68.6	dB(A)
05:30 - 06:30	66.7	68.5	dB(A)
06:30 - 07:30	66.5	74.4	dB(A)
07:30 - 08:30	66.3	75.8	dB(A)
08:30 - 09:30	65.8	71.9	dB(A)
L_{eq} 24 hr.	66.8	-	dB(A)
L_{day}	73.2	-	dB(A)
Maximum	-	87.3	dB(A)
Standard	70 ^b ; 70 ^c	115 ^d ; 115 ^e	dB(A)

REMARK : * Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory

^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)

* Parameter Outside The Scope of The Registration For Department of Industrial Work
(Ms. Thanaporn Klinson is Section Head of Noise and Vibration Control Unit is Technical
(Measurement by Mr. Tummarut Phonsathan)

Approved I

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด
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ISO 9001 / ISO 14001

Request No. LA65-R0524
Report No. R6505-0325

TEST REPORT

CUSTOMER : NPC Safety and Environmental Service Co., Ltd.
ADDRESS : 209 Pakomsongkrotrah Rd., T. Maplaphut A. Muangrayong, Rayong 21150
SAMPLE SOURCE : PTT Asahi Chemical Co., Ltd.
SAMPLE POINT : บริเวณพื้นที่ดินของโครงการ
PARAMETER* : L_{1hr} , L_{24hr} , L_{max} , L_{eq} & L_{day}
DETERMINATION METHOD : ISO 1996-1:2016
INSTRUMENT : Integrated Sound Level Meter
S/N G301607 : Type 2

SAMPLE NO. : 07198
MEASURING DATE : 29-30/04/2022
RECEIVED DATE : 02/05/2022
REPORTED DATE : 06/05/2022

TIME / DATE	29-30/04/2022 (L_{eq})	29-30/04/2022 (L_{max})	UNIT
09:30 - 10:30 ^a	66.0	73.7	dB(A)
10:30 - 11:30	66.1	73.6	dB(A)
11:30 - 12:30	65.9	72.2	dB(A)
12:30 - 13:30	66.1	71.2	dB(A)
13:30 - 14:30	66.5	74.5	dB(A)
14:30 - 15:30	66.2	72.8	dB(A)
15:30 - 16:30	66.1	74.1	dB(A)
16:30 - 17:30	66.4	71.7	dB(A)
17:30 - 18:30	66.3	71.6	dB(A)
18:30 - 19:30	66.8	72.7	dB(A)
19:30 - 20:30	66.3	70.7	dB(A)
20:30 - 21:30	66.4	78.2	dB(A)
21:30 - 22:30	66.6	73.1	dB(A)
22:30 - 23:30	66.8	68.9	dB(A)
23:30 - 00:30	67.0	68.8	dB(A)
00:30 - 01:30	66.9	69.1	dB(A)
01:30 - 02:30	66.9	68.7	dB(A)
02:30 - 03:30	66.7	68.8	dB(A)
03:30 - 04:30	66.6	70.2	dB(A)
04:30 - 05:30	67.4	71.6	dB(A)
05:30 - 06:30	66.9	72.0	dB(A)
06:30 - 07:30	66.5	73.9	dB(A)
07:30 - 08:30	66.0	73.0	dB(A)
08:30 - 09:30	66.7	76.6	dB(A)
L_{eq} 24 hr.	66.5	-	dB(A)
L_{day}	73.2	-	dB(A)
Maximum	-	78.2	dB(A)
Standard	70 ^b ; 70 ^c	115 ^d ; 115 ^e	dB(A)

REMARK : * Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory

^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)

* Parameter Outside The Scope of The Registration For Department of Industrial Works
(Ms. Thanaporn Klinson is Section Head of Noise and Vibration Control Unit is Technical
(Measurement by Mr. Tummarut Phonsathan)

Approved B:

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด
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ISO 9001/ISO 14001

Request No. LA65-R0524
Report No. R6505-0326

TEST REPORT

CUSTOMER : NPC Safety and Environmental Service Co., Ltd.
ADDRESS : 209 Pakomsongkhrohn Rd., T. Mapthaphut A. Muangrayong, Rayong 21150
SAMPLE SOURCE : PTT Asahi Chemical Co., Ltd.
SAMPLE POINT : บริษัทปิโตรเลียมปิโตรเคมีไทยจำกัด
PARAMETER* : L_{eq} , L_{24} hr., L_{max} , L_{min} & L_{day}
DETERMINATION METHOD : ISO 1996-1:2016
INSTRUMENT : Integrated Sound Level Meter
S/N G301607 : Type 2

SAMPLE NO. : 07199
MEASURING DATE : 30/04/2022-01/05/2022
RECEIVED DATE : 02/05/2022
REPORTED DATE : 06/05/2022

TIME \ DATE	30/04/2022-01/05/2022 (L_{eq})	30/04/2022-01/05/2022 (L_{max})	30/04/2022-01/05/2022 (L_{min})	UNIT
09:30 - 10:30 ¹⁾	66.3	72.0	65.4	dB(A)
10:30 - 11:30	66.4	70.3	65.4	dB(A)
11:30 - 12:30	67.1	82.2	66.1	dB(A)
12:30 - 13:30	66.7	74.4	65.9	dB(A)
13:30 - 14:30	67.3	72.9	65.9	dB(A)
14:30 - 15:30	66.9	85.8	65.6	dB(A)
15:30 - 16:30	67.1	81.8	66.3	dB(A)
16:30 - 17:30	66.8	70.9	66.1	dB(A)
17:30 - 18:30	66.9	73.6	66.2	dB(A)
18:30 - 19:30	67.0	70.2	66.4	dB(A)
19:30 - 20:30	66.9	68.9	66.3	dB(A)
20:30 - 21:30	66.9	68.9	66.2	dB(A)
21:30 - 22:30	66.9	68.5	66.3	dB(A)
22:30 - 23:30	66.7	68.8	66.0	dB(A)
23:30 - 00:30	66.7	68.4	66.1	dB(A)
00:30 - 01:30	66.7	68.3	66.1	dB(A)
01:30 - 02:30	66.5	68.2	66.0	dB(A)
02:30 - 03:30	66.5	68.2	66.0	dB(A)
03:30 - 04:30	66.6	68.2	66.1	dB(A)
04:30 - 05:30	66.5	68.0	66.1	dB(A)
05:30 - 06:30	67.0	72.5	66.0	dB(A)
06:30 - 07:30	66.9	75.8	66.3	dB(A)
07:30 - 08:30	67.1	78.1	66.3	dB(A)
08:30 - 09:30	66.7	72.2	66.1	dB(A)
L_{eq} 24 hr.	66.8	-	-	dB(A)
L_{max}	73.1	-	-	dB(A)
Maximum	70 ²⁾ , 70 ²⁾	85.8	-	dB(A)
Standard	115 ¹⁾ , 115 ²⁾	-	-	dB(A)

REMARK : ¹⁾ Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory

²⁾ Notification of Office of The National Environmental Board Volume 15 B.E. 2540 (1997)

³⁾ Start Time

⁴⁾ Notification of Ministry of the Industry B.E. 2548 (2005)
* Parameter Outside The Scope of The Registration of The Department of Industrial Work
(Ms. Thanaporn Klinsoop is Section Chief of the Department of Industrial Work is Technical
(Measurement By Mr. Tummarat Phothanubun)



Approved 1

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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



EASTERN THAI CONSULTING 1992 CO., LTD.

683 Moo 11 Sukhapharm 8 Rd., Nongkham, Siracha, Chonburi 20230
Tel. 0-3848-1197-8, 0-3876-3031-2 Fax : 0-3848-2095 E-mail : marketing@etcl1992.com



ISO 9001/ISO 14001

Request No. LA65-R0524
Report No. R6505-0327

TEST REPORT

CUSTOMER : NPC Safety and Environmental Service Co., Ltd.
ADDRESS : 209 Pakomsongkhrohn Rd., T. Mapthaphut A. Muangrayong, Rayong 21150
SAMPLE SOURCE : PTT Asahi Chemical Co., Ltd.
SAMPLE POINT : บริษัทปิโตรเลียมปิโตรเคมีไทยจำกัด
PARAMETER* : L_{eq} , L_{24} hr., L_{max} , L_{min} & L_{day}
DETERMINATION METHOD : ISO 1996-1:2016
INSTRUMENT : Integrated Sound Level Meter
S/N G301607 : Type 2

SAMPLE NO. : 07200
MEASURING DATE : 01-02/05/2022
RECEIVED DATE : 02/05/2022
REPORTED DATE : 06/05/2022

TIME \ DATE	01-02/05/2022 (L_{eq})	01-02/05/2022 (L_{max})	01-02/05/2022 (L_{min})	UNIT
09:30 - 10:30 ¹⁾	66.8	80.0	66.1	dB(A)
10:30 - 11:30	67.1	79.0	66.0	dB(A)
11:30 - 12:30	66.2	75.0	65.5	dB(A)
12:30 - 13:30	66.5	74.3	65.7	dB(A)
13:30 - 14:30	66.8	75.2	66.1	dB(A)
14:30 - 15:30	66.7	73.7	65.8	dB(A)
15:30 - 16:30	66.4	70.8	65.6	dB(A)
16:30 - 17:30	66.9	72.0	66.2	dB(A)
17:30 - 18:30	67.2	72.1	66.4	dB(A)
18:30 - 19:30	67.1	69.3	66.5	dB(A)
19:30 - 20:30	67.1	69.1	66.5	dB(A)
20:30 - 21:30	67.1	71.9	66.4	dB(A)
21:30 - 22:30	66.7	68.8	66.0	dB(A)
22:30 - 23:30	66.8	68.4	66.2	dB(A)
23:30 - 00:30	67.1	68.9	66.5	dB(A)
00:30 - 01:30	66.8	68.6	66.3	dB(A)
01:30 - 02:30	66.8	68.1	66.2	dB(A)
02:30 - 03:30	66.8	86.1	65.9	dB(A)
03:30 - 04:30	67.1	69.2	66.4	dB(A)
04:30 - 05:30	66.6	68.0	66.1	dB(A)
05:30 - 06:30	66.5	70.6	65.9	dB(A)
06:30 - 07:30	66.0	73.1	65.2	dB(A)
07:30 - 08:30	66.0	77.4	65.3	dB(A)
08:30 - 09:30	66.5	75.1	65.6	dB(A)
L_{eq} 24 hr.	66.8	-	-	dB(A)
L_{max}	73.1	-	-	dB(A)
Maximum	70 ²⁾ , 70 ²⁾	86.1	-	dB(A)
Standard	115 ¹⁾ , 115 ²⁾	-	-	dB(A)

REMARK : ¹⁾ Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory

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