

ภาคผนวก ค

ใบรับรองผลการวิเคราะห์

ภาคผนวก ค-1

คุณภาพอากาศจากปล่องระบาย



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 2397238

Date Received : Aug 22, 2023

Date Reported : Aug 30, 2023

Report Number: 2751160-1

Page 1 of 1

Sample Number	2397238-1
Sampled Date	Aug 22, 2023
Sample Description	Emission from Stationary Source
Location	Melting and Holding Furnace_1
Date Analysis Commenced	Aug 23, 2023
Condition of Sample	Extracted into two 2-L collection flasks, one filter paper placed in plastic petri dish, one plastic bottle and one 10-L air sampling bag

Stack Description

Ambient Pressure	747	mmHg	Diameter	1.50	m	Oxygen	14.8	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	3.5	%
Type of Process	Combustion		Stack Temperature	160	°C	Gas Velocity	7.4	m/s
Type of Fuel	Natural Gas		Moisture	13.14	%	Flow Rate (Actual O2)	27556	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Guideline Limit	Method	Testing Location
Air Testing								
Carbon Monoxide *	10:20 AM - 10:30 AM	ppm	-	1.0	146	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	10:12 AM - 10:22 AM	ppm	-	1.06	64.1	200	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	10:11 AM - 10:59 AM	mg/m3	-	0.5	2.0	240	United States Environmental Protection Agency, EPA Method 5	Rayong

Guideline : Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Sampled By : Jaradrawee Sriruksa

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-9447

Approved by

D. Johnson

Dej Changchon
Senior Manager

ทะเบียนเลขที่ ว-323-จ-9442

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397444

Date Received : Aug 22, 2023

Date Reported : Sep 19, 2023

Report Number: 2780231-1

Page 1 of 1

Sample Number	2397444-1
Sampled Date	Aug 22, 2023
Sample Description	Emission from Stationary Source
Location	Melting & Holding Furnace no.2
Date Analysis Commenced	Aug 24, 2023
Condition of Sample	Extracted into one 2-L collection flask, one 10-L air sampling bag and one trap dioxin, refrigerated

Stack Description

Ambient Pressure	747	mmHg	Diameter	2.30	m	Oxygen	11.2	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	5.5	%
Type of Process	Combustion		Stack Temperature	175	°C	Gas Velocity	4.4	m/s
Type of Fuel	Natural Gas		Moisture	21.72	%	Flow Rate (Actual O2)	33642	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Guideline Limit	Method	Testing Location
Air Testing								
Carbon Monoxide	02:15 PM - 02:25 PM	ppm	-	1.0	320	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen	02:05 PM - 02:15 PM	ppm	-	1.06	77.5	200	United States Environmental Protection Agency, EPA Method 7	Rayong

Guideline : Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Sampled By : Jaradrawee Sriruksa , Saksit Phaisanphisut

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Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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Approved by

D. Johnson

Dej Changchon
Senior Manager

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng,
Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397444

Date Received : Aug 22, 2023

Date Reported : Sep 18, 2023

Report Number : 2780231-2

Page 1 of 3

Sample Number 2397444-1
Sample Description Emission from Stationary Source
Location Melting & Holding Furnace no.2
Condition of Sample Extracted into one 2-L collection flask, one 10-L air sampling bag and one trap dioxin, refrigerated
Sampled Date Aug 22, 2023
Date Analysis Commenced Aug 24, 2023

Stack Description

Ambient Pressure	747	mmHg	Diameter	2.30	m	Oxygen	11.2	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	5.5	%
Type of Process	Combustion		Stack Temperature	175	°C	Gas Velocity	4.4	m/s
Type of Fuel	Natural Gas		Moisture	21.72	%	Flow Rate (Actual O2)	33642	Nm3/hr
						Flow Rate (7% O2)	23453	Nm3/hr

Analyte	Unit	LOD	Result		I-TEF	Result I-TEQ		Standard (I-TEQ)
			Actual O2	7% O2		Actual O2	7% O2	
2,3,7,8-TCDD	ng/Nm3	0.0028	<0.0057	<0.0057	1.0	<0.0057	<0.0057	-
1,2,3,7,8-PeCDD	ng/Nm3	0.0039	<0.0079	<0.0079	0.5	<0.0039	<0.0039	-
1,2,3,4,7,8-HxCDD	ng/Nm3	0.0054	0.020	0.029	0.1	0.0020	0.0029	-
1,2,3,6,7,8-HxCDD	ng/Nm3	0.0054	0.034	0.049	0.1	0.0034	0.0049	-
1,2,3,7,8,9-HxCDD	ng/Nm3	0.0054	0.019	0.027	0.1	0.0019	0.0027	-

Technical Management

Saranya C.

Saranya Chalermthamrong
Scientist (4)

ทะเบียนเลขที่ ว-204-จ-4717

Approved by

Kanokkorn Anek

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-จ-6111

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng,
Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397444

Date Received : Aug 22, 2023

Date Reported : Sep 18, 2023

Report Number : 2780231-2

Page 2 of 3

Sample Number 2397444-1
Sample Description Emission from Stationary Source
Location Melting & Holding Furnace no.2
Condition of Sample Extracted into one 2-L collection flask, one 10-L air sampling bag and one trap dioxin, refrigerated
Sampled Date Aug 22, 2023
Date Analysis Commenced Aug 24, 2023

Analyte	Unit	LOD	Result		I-TEF	Result I-TEQ		Standard (I-TEQ)
			Actual O2	7% O2		Actual O2	7% O2	
1,2,3,4,6,7,8-HpCDD	ng/Nm3	0.0050	0.13	0.19	0.01	0.0013	0.0019	-
2,3,7,8-TCDF	ng/Nm3	0.0020	0.093	0.13	0.1	0.0093	0.013	-
1,2,3,7,8-PeCDF	ng/Nm3	0.0039	0.17	0.24	0.05	0.0084	0.012	-
2,3,4,7,8-PeCDF	ng/Nm3	0.0039	0.17	0.24	0.5	0.084	0.12	-
1,2,3,4,7,8-HxCDF	ng/Nm3	0.0033	0.17	0.24	0.1	0.017	0.024	-
1,2,3,6,7,8-HxCDF	ng/Nm3	0.0033	0.15	0.21	0.1	0.015	0.021	-
1,2,3,7,8,9-HxCDF	ng/Nm3	0.0033	0.026	0.037	0.1	0.0026	0.0037	-
2,3,4,6,7,8-HxCDF	ng/Nm3	0.0033	0.11	0.16	0.1	0.011	0.016	-
1,2,3,4,6,7,8-HpCDF	ng/Nm3	0.0043	0.54	0.77	0.01	0.0054	0.0077	-
1,2,3,4,7,8,9-HpCDF	ng/Nm3	0.0043	0.16	0.24	0.01	0.0016	0.0024	-

Technical Management

Saranya C.

Saranya Chalermthamrong
Scientist (4)

ทะเบียนเลขที่ ว-204-จ-4717

Approved by

Kanokkorn Anek

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-จ-6111

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng,
Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397444

Date Received : Aug 22, 2023

Date Reported : Sep 18, 2023

Report Number : 2780231-2

Page 3 of 3

Sample Number 2397444-1
Sample Description Emission from Stationary Source
Location Melting & Holding Furnace no.2
Condition of Sample Extracted into one 2-L collection flask, one 10-L air sampling bag and one trap dioxin, refrigerated
Sampled Date Aug 22, 2023
Date Analysis Commenced Aug 24, 2023

Analyte	Unit	LOD	Result		I-TEF	Result I-TEQ		Standard (I-TEQ)
			Actual O2	7% O2		Actual O2	7% O2	
Dioxin and Furan	ng/Nm3	-	3.1	4.5	-	0.16	0.23	0.5
Hepta-Dioxins	ng/Nm3	-	0.26	0.38	-	-	-	-
Hexa-Dioxins	ng/Nm3	-	0.79	1.1	-	-	-	-
Hexa-Furans	ng/Nm3	-	3.9	5.6	-	-	-	-
Hepta-Furans	ng/Nm3	-	1.4	2.0	-	-	-	-

Guideline:

Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard for municipal waste incinerators.

Remark :

- Reference Method: US EPA Method 23, Analysis by ALS Czech Republic
- TEF according to NATO.
- LOD : Limit of Detection
- Results marked "ND." are lower than the Limit of Detection.
- The concentration of emission air is based on the reference condition at temperature of 25 °C, pressure of 1 atm or 760 mm.Hg, dry basis

Sampled By : Jaradrawee Sriruksa , Saksit Phaisanphisut

Technical Management

Saranya C.

Saranya Chalermthamrong
Scientist (4)

ทะเบียนเลขที่ ว-204-จ-4717

Approved by

Kanokkorn Anek

Kanokkorn Anek
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name : Monitoring

Project Location :



TESTING

No.0042

Lot ID: 2397444

Date Received : Aug 22, 2023

Date Reported : Sep 19, 2023

Report Number: 2780232-1

Page 1 of 1

Sample Number 2397444-2
Sampled Date Aug 22, 2023
Sample Description Emission from Stationary Source
Location Melting & Holding Furnace no.2
Date Analysis Commenced Aug 23, 2023
Condition of Sample Extracted into one filter paper placed in plastic cassette and one plastic bottle

Stack Description

Ambient Pressure	747	mmHg	Diameter	2.30	m	Oxygen	11.2	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	5.5	%
Type of Process	Combustion		Stack Temperature	176	°C	Gas Velocity	4.7	m/s
Type of Fuel	Natural Gas		Moisture	48.07	%	Flow Rate (Actual O2)	23631	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Guideline Limit	Method	Testing Location
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Air Testing

Total Suspended Particulate	02:00 PM - 02:48 PM	mg/m3	-	0.5	<0.5	320	United States Environmental Protection Agency, EPA Method 5	Rayong
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Guideline : Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Sampled By : Jaradrawee Sriruksa , Saksit Phaisanphisut

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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-9447

Approved by

D. Chongchon

Dej Changchon
Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 2397503

Date Received : Aug 22, 2023

Date Reported : Aug 30, 2023

Report Number: 2751199-1

Page 1 of 1

Sample Number	2397503-1
Sampled Date	Aug 22, 2023
Sample Description	Emission from Stationary Source
Location	Bag Filter_1
Date Analysis Commenced	Aug 23, 2023
Condition of Sample	Extracted into two 2-L collection flasks, one filter paper placed in plastic petri dish, one plastic bottle and one 10-L air sampling bag

Stack Description

Ambient Pressure	747	mmHg	Diameter	2.50	m	Oxygen	20.9	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	59.2	°C	Gas Velocity	4.0	m/s
Type of Fuel	-		Moisture	3.17	%	Flow Rate (Actual O2)	60741	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Carbon Monoxide *	12:35 PM - 12:45 PM	ppm	-	1.0	20.4	870	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	12:25 PM - 12:35 PM	ppm	-	1.06	<1.06	No Standard	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	12:20 PM - 01:08 PM	mg/m3	-	0.5	<0.5	300	United States Environmental Protection Agency, EPA Method 5	Rayong

Guideline : Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Sampled By : Warawut Pubpa

Remark :

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Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-9447

Approved by

D. Johnson

Dej Changchon
Senior Manager

ทะเบียนเลขที่ ว-323-จ-9442

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 2397504

Date Received : Aug 22, 2023

Date Reported : Aug 30, 2023

Report Number: 2751204-1

Page 1 of 1

Sample Number	2397504-1
Sampled Date	Aug 22, 2023
Sample Description	Emission from Stationary Source
Location	Bag Filter_2
Date Analysis Commenced	Aug 23, 2023
Condition of Sample	Extracted into two 2-L collection flasks, one filter paper placed in plastic petri dish, one plastic bottle and one 10-L air sampling bag

Stack Description

Ambient Pressure	747	mmHg	Diameter	1.80	m	Oxygen	20.9	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Combustion (Open System)		Stack Temperature	90.8	°C	Gas Velocity	6.0	m/s
Type of Fuel	Natural Gas		Moisture	3.27	%	Flow Rate (Actual O2)	42518	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Carbon Monoxide *	02:15 PM - 02:25 PM	ppm	-	1.0	<1.0	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	02:05 PM - 02:15 PM	ppm	-	1.06	1.08	200	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	02:00 PM - 02:48 PM	mg/m3	-	0.5	<0.5	240	United States Environmental Protection Agency, EPA Method 5	Rayong

Guideline : Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Sampled By : Warawut Pubpa

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Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-9447

Approved by

D. Johnson

Dej Changchon
Senior Manager

ทะเบียนเลขที่ ว-323-จ-9442

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O : 4500034903

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 2397505

Date Received : Aug 23, 2023

Date Reported : Jan 19, 2024

Report Number: 2889555-1

Page 1 of 1

Sample Number	2397505-1
Sampled Date	Aug 23, 2023
Sample Description	Emission from Stationary Source
Location	Bag Filter_3
Date Analysis Commenced	Aug 24, 2023
Condition of Sample	Extracted into two 2-L collection flasks, one filter paper placed in plastic petri dish, one plastic bottle and one 10-L air sampling bag

Stack Description

Ambient Pressure	747	mmHg	Diameter	1.80	m	Oxygen	20.8	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Combustion (Open System)		Stack Temperature	58.5	°C	Gas Velocity	4.9	m/s
Type of Fuel	Natural Gas		Moisture	2.85	%	Flow Rate (Actual O2)	38712	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Carbon Monoxide *	02:05 PM - 02:15 PM	ppm	-	1.0	37.6	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	02:00 PM - 02:10 PM	ppm	-	1.06	3.0	200	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	01:58 PM - 02:40 PM	mg/m3	-	0.5	0.7	320	United States Environmental Protection Agency, EPA Method 5	Rayong

Guideline : Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Note: This Analysis test report is issued to supersede report No.2751209-1, Date Reported : Aug 30, 2023 due to revise analytical information.

Sampled By : Jaradrawee Sriruksa

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-9447

Approved by

D. Johnson

Dej Changchon
Senior Manager

ทะเบียนเลขที่ ว-323-จ-9442

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9044-21/ EMAILCASH

S:\Reports\Air Stack_GL_rpt (10:50AM)



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O : 4500032582

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 23128535

Date Received : Nov 10, 2023

Date Reported : Jan 19, 2024

Report Number: 2889699-1

Page 1 of 1

Sample Number	23128535-1
Sampled Date	Nov 10, 2023
Sample Description	Emission from Stationary Source
Location	2SWF (Bag Filter no.4)
Date Analysis Commenced	Nov 13, 2023
Condition of Sample	Extracted into two 2-L collection flasks, one filter paper placed in plastic petri dish, one plastic bottle and one 10-L air sampling bag

Stack Description

Ambient Pressure	750	mmHg	Diameter	1.80	m	Oxygen	19.9	%
Ambient Temperature	29.0	°C	Shape	Circle		Carbon Dioxide	0.6	%
Type of Process	Combustion (Open System)		Stack Temperature	62.8	°C	Gas Velocity	8.1	m/s
Type of Fuel	Natural Gas		Moisture	3.33	%	Flow Rate (Actual O2)	62622	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Carbon Monoxide *	09:30 AM - 09:40 AM	ppm	-	1.0	<1.0	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	09:15 AM - 09:25 AM	ppm	-	1.06	<1.06	200	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	09:00 AM - 09:54 AM	mg/m3	-	0.5	<0.5	320	United States Environmental Protection Agency, EPA Method 5	Rayong

Guideline : Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Note: This Analysis test report is issued to supersede report No.2825340-1, Date Reported : Nov 17, 2023 due to revise analytical information.

Sampled By : Tinnakorn Kulchart

Remark :

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Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-9447

Approved by

D. Johnson

Dej Changchon
Senior Manager

ทะเบียนเลขที่ ว-323-จ-9442

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S:\Reports\Air Stack_GL_rpt (3:38PM)



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 2397507

Date Received : Aug 28, 2023

Date Reported : Sep 05, 2023

Report Number: 2751219-1

Page 1 of 1

Sample Number	2397507-1
Sampled Date	Aug 28, 2023
Sample Description	Emission from Stationary Source
Location	3SWF (Bag Filter no.5)
Date Analysis Commenced	Aug 29, 2023
Condition of Sample	Extracted into two 2-L collection flasks, one filter paper placed in plastic petri dish, one plastic bottle and one 10-L air sampling bag

Stack Description

Ambient Pressure	746	mmHg	Diameter	1.80	m	Oxygen	20.3	%
Ambient Temperature	33.0	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Combustion (Open System)		Stack Temperature	62.8	°C	Gas Velocity	9.6	m/s
Type of Fuel	Natural Gas		Moisture	3.53	%	Flow Rate (Actual O2)	74031	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Carbon Monoxide *	11:20 AM - 11:30 AM	ppm	-	1.0	14.7	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	11:05 AM - 11:15 AM	ppm	-	1.06	<1.06	200	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	11:00 AM - 11:48 AM	mg/m3	-	0.5	<0.5	240	United States Environmental Protection Agency, EPA Method 5	Rayong

Guideline : Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Sampled By : Jittakorn Sriwasa

Remark :

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Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-9447

Approved by

D. Johnson

Dej Changchon
Senior Manager

ทะเบียนเลขที่ ว-323-จ-9442

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S:\Reports_Air Stack_GL.rpt (9:45AM)



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O : 4500034903

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 2397487

Date Received : Aug 25, 2023

Date Reported : Jan 19, 2024

Report Number: 2889700-1

Page 1 of 1

Sample Number	2397487-1
Sampled Date	Aug 24, 2023
Sample Description	Emission from Stationary Source
Location	Boiler_1
Date Analysis Commenced	Aug 26, 2023
Condition of Sample	Extracted into two 2-L collection flasks, one filter paper placed in plastic petri dish, one plastic bottle and one 10-L air sampling bag

Stack Description

Ambient Pressure	747	mmHg	Diameter	1.06	m	Oxygen	4.2	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	9.5	%
Type of Process	Combustion		Stack Temperature	75.2	°C	Gas Velocity	4.1	m/s
Type of Fuel	Natural Gas		Moisture	12.34	%	Flow Rate (Actual O2)	9698	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Guideline Limit	Method	Testing Location
Air Testing								
Carbon Monoxide *	12:35 PM - 12:45 PM	ppm	-	1.0	3.0	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	12:25 PM - 12:35 PM	ppm	-	1.06	15.0	200	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	12:20 PM - 01:02 PM	mg/m3	-	0.5	<0.5	320	United States Environmental Protection Agency, EPA Method 5	Rayong

Guideline : Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Note: This Analysis test report is issued to supersede report No.2751161-1, Date Reported : Sep 02, 2023 due to revise analytical information.

Sampled By : Warawut Pubpa

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-9447

Approved by

D. Johnson

Dej Changchon
Senior Manager

ทะเบียนเลขที่ ว-323-จ-9442

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S:\Reports_Air Stack_GL.rpt (3:29PM)



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 2397488

Date Received : Aug 24, 2023

Date Reported : Aug 31, 2023

Report Number: 2751163-1

Page 1 of 1

Sample Number	2397488-1
Sampled Date	Aug 24, 2023
Sample Description	Emission from Stationary Source
Location	Boiler_2
Date Analysis Commenced	Aug 25, 2023
Condition of Sample	Extracted into two 2-L collection flasks, one filter paper placed in plastic petri dish, one plastic bottle and one 10-L air sampling bag

Stack Description

Ambient Pressure	747	mmHg	Diameter	0.60	m	Oxygen	7.5	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	7.7	%
Type of Process	Combustion		Stack Temperature	105	°C	Gas Velocity	5.6	m/s
Type of Fuel	Natural Gas		Moisture	9.34	%	Flow Rate (Actual O2)	3967	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Guideline Limit	Method	Testing Location
Air Testing								
Carbon Monoxide *	10:15 AM - 10:25 AM	ppm	-	1.0	59.7	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	10:10 AM - 10:20 AM	ppm	-	1.06	8.16	200	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	10:10 AM - 10:52 AM	mg/m3	-	0.5	<0.5	320	United States Environmental Protection Agency, EPA Method 5	Rayong

Guideline : Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Sampled By : Jaradrawee Sriuksa

Remark :

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Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-9447

Approved by

D. Johnson

Dej Changchon
Senior Manager

ทะเบียนเลขที่ ว-323-จ-9442

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Analysis / Test Report

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Thailand 21140

P/O :

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 2397489

Date Received : Aug 28, 2023

Date Reported : Sep 05, 2023

Report Number: 2751170-1

Page 1 of 1

Sample Number	2397489-1
Sampled Date	Aug 28, 2023
Sample Description	Emission from Stationary Source
Location	Boiler_3
Date Analysis Commenced	Aug 29, 2023
Condition of Sample	Extracted into two 2-L collection flasks, one filter paper placed in plastic petri dish, one plastic bottle and one 10-L air sampling bag

Stack Description

Ambient Pressure	746	mmHg	Diameter	0.60	m	Oxygen	5.0	%
Ambient Temperature	33.0	°C	Shape	Circle		Carbon Dioxide	9.0	%
Type of Process	Combustion		Stack Temperature	79.3	°C	Gas Velocity	3.2	m/s
Type of Fuel	Natural Gas		Moisture	13.78	%	Flow Rate (Actual O2)	2294	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Guideline Limit	Method	Testing Location
Air Testing								
Carbon Monoxide *	02:10 PM - 02:20 PM	ppm	-	1.0	3.6	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	02:15 PM - 02:25 PM	ppm	-	1.06	19.8	200	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	02:10 PM - 03:10 PM	mg/m3	-	0.5	<0.5	320	United States Environmental Protection Agency, EPA Method 5	Rayong

Guideline : Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Sampled By : Jittakorn Sriwasa

Remark :

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Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-9447

Approved by

D. Johnson

Dej Changchon
Senior Manager

ทะเบียนเลขที่ ว-323-จ-9442

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O : 4500034903

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 2397445

Date Received : Aug 23, 2023

Date Reported : Jan 19, 2024

Report Number: 2889556-1

Page 1 of 1

Sample Number	2397445-1
Sampled Date	Aug 23, 2023
Sample Description	Emission from Stationary Source
Location	SCLP No.1
Date Analysis Commenced	Aug 24, 2023
Condition of Sample	Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description

Ambient Pressure	747	mmHg	Diameter	1.80	m	Oxygen	20.9	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	65.5	°C	Gas Velocity	26.8	m/s
Type of Fuel	-		Moisture	2.76	%	Flow Rate (Actual O2)	205806	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Total Suspended Particulate	10:04 AM - 10:52 AM	mg/m3	-	0.5	20.5	400	United States Environmental Protection Agency, EPA Method 5	Rayong

Guideline : Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Note: This Analysis test report is reissued to supersede report No.2751265-1, Date Reported : Sep 02, 2023 due to revise analytical information.

Sampled By : Jaradrawee Sriruksa

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Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ 7-323-จ-9447

Approved by

D. Johnson

Dej Changchon
Senior Manager
ทะเบียนเลขที่ 7-323-จ-9442

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S:\Reports\Air Stack_GL_rpt (11:22AM)



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O : 4500034903

Project Name : Monitoring

Project Location :

Lot ID: 2397445

Date Received : Aug 23, 2023

Date Reported : Jan 19, 2024

Report Number: 2889556-2

Page 1 of 1

Sample Number	2397445-1
Sampled Date	Aug 23, 2023
Sample Description	Emission from Stationary Source
Location	SCLP No.1
Date Analysis Commenced	Aug 29, 2023
Condition of Sample	Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description

Ambient Pressure	747	mmHg	Diameter	1.80	m	Oxygen	20.9	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	65.5	°C	Gas Velocity	26.8	m/s
Type of Fuel	-		Moisture	2.76	%	Flow Rate (Actual O2)	205806	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Metals Testing							
Aluminium	10:04 AM - 10:52 AM	mg/m3	-	1.00	<1.00	United States Environmental Protection Agency, EPA Method 29	Bangkok

Note:

This Analysis test report is reissued to supersede report No.2751265-2, Date Reported : Sep 02, 2023 due to revise analytical information.

Sampled By : Jaradrawee Sriruksa

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Sawitree N.

Sawitree Noisangiam
Manager

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O : 4500034903

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 2397560

Date Received : Aug 23, 2023

Date Reported : Jan 19, 2024

Report Number: 2889557-1

Page 1 of 1

Sample Number	2397560-1
Sampled Date	Aug 23, 2023
Sample Description	Emission from Stationary Source
Location	SCLP No.2
Date Analysis Commenced	Aug 25, 2023
Condition of Sample	Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description

Ambient Pressure	747	mmHg	Diameter	1.80	m	Oxygen	20.9	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	65.5	°C	Gas Velocity	6.0	m/s
Type of Fuel	-		Moisture	3.21	%	Flow Rate (Actual O2)	45804	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Total Suspended Particulate	11:20 AM - 12:02 PM	mg/m3	-	0.5	2.6	400	United States Environmental Protection Agency, EPA Method 5	Rayong

Guideline : Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Note: This Analysis test report is reissued to supersede report No.2751267-1, Date Reported : Sep 02, 2023 due to revise analytical information.

Sampled By : Jaradrawee Sriruksa

Remark :

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Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ 7-323-จ-9447

Approved by

D. Johnson

Dej Changchon
Senior Manager
ทะเบียนเลขที่ 7-323-จ-9442

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S:\Reports_Air Stack_GL_rpt (11:37AM)



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O : 4500034903

Project Name : Monitoring

Project Location :

Lot ID: 2397560

Date Received : Aug 23, 2023

Date Reported : Jan 19, 2024

Report Number: 2889557-2

Page 1 of 1

Sample Number	2397560-1
Sampled Date	Aug 23, 2023
Sample Description	Emission from Stationary Source
Location	SCLP No.2
Date Analysis Commenced	Aug 29, 2023
Condition of Sample	Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description

Ambient Pressure	747	mmHg	Diameter	1.80	m	Oxygen	20.9	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	65.5	°C	Gas Velocity	6.0	m/s
Type of Fuel	-		Moisture	3.21	%	Flow Rate (Actual O2)	45804	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Metals Testing							
Aluminium	11:20 AM - 12:02 PM	mg/m3	-	1.00	<1.00	United States Environmental Protection Agency, EPA Method 29	Bangkok

Note:

This Analysis test report is reissued to supersede report No.2751267-2, Date Reported : Sep 02, 2023 due to revise analytical information.

Sampled By : Jaradrawee Sriruksa

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Sawitree N.

Sawitree Noisangiam
Manager

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S:\Reports_Air Stack_NGL_rpt (11:29AM)



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 2397491

Date Received : Aug 25, 2023

Date Reported : Sep 02, 2023

Report Number: 2751173-1

Page 1 of 1

Sample Number	2397491-1
Sampled Date	Aug 25, 2023
Sample Description	Emission from Stationary Source
Location	Pusher Furnace 1 (1-1PF)
Date Analysis Commenced	Aug 25, 2023
Condition of Sample	Extracted into two 2-L collection flasks, one filter paper placed in plastic petri dish, one plastic bottle, one 10-L air sampling bag

Stack Description

Ambient Pressure	747	mmHg	Diameter	1.20	m	Oxygen	18.2	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Combustion (Open System)		Stack Temperature	79.0	°C	Gas Velocity	2.4	m/s
Type of Fuel	Natural Gas		Moisture	8.61	%	Flow Rate (Actual O2)	7494	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Carbon Monoxide *	01:55 PM - 02:05 PM	ppm	-	1.0	69.8	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	01:50 PM - 02:00 PM	ppm	-	1.06	7.69	200	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	01:47 PM - 02:29 PM	mg/m3	-	0.5	1.0	320	United States Environmental Protection Agency, EPA Method 5	Rayong

Guideline : Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Sampled By : Kantaphon Maneesampan

Remark :

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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-9447

Approved by

D. Johnson

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-จ-9442

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9044-21/ EMAILCASH

S:\Reports_Air Stack_GL.rpt (10:24AM)



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 2397492

Date Received : Aug 25, 2023

Date Reported : Sep 02, 2023

Report Number: 2751174-1

Page 1 of 1

Sample Number	2397492-1
Sampled Date	Aug 25, 2023
Sample Description	Emission from Stationary Source
Location	Pusher Furnace 1 (1-2PF)
Date Analysis Commenced	Aug 25, 2023
Condition of Sample	Extracted into two 2-L collection flasks, one filter paper placed in plastic petri dish, one plastic bottle, one 10-L air sampling bag

Stack Description

Ambient Pressure	747	mmHg	Diameter	3.20 x 0.80	m	Oxygen	20.7	%
Ambient Temperature	32.0	°C	Shape	Rectangular		Carbon Dioxide	0.0	%
Type of Process	Combustion (Open System)		Stack Temperature	162	°C	Gas Velocity	2.7	m/s
Type of Fuel	Natural Gas		Moisture	9.40	%	Flow Rate (Actual O2)	15131	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Carbon Monoxide *	10:40 AM - 10:50 AM	ppm	-	1.0	153	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	10:30 AM - 10:40 AM	ppm	-	1.06	<1.06	200	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	10:25 AM - 11:13 AM	mg/m3	-	0.5	0.7	320	United States Environmental Protection Agency, EPA Method 5	Rayong

Guideline : Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Sampled By : Kantaphon Maneesampan

Remark :

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Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-9447

Approved by

D. Johnson

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-จ-9442

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S:\Reports_Air Stack_GL.rpt (10:28AM)



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O : 4500032476

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 23122203

Date Received : Oct 26, 2023

Date Reported : Jan 19, 2024

Report Number: 2889701-1 Rev. No.1

Page 1 of 2

Sample Number	23122203-1
Sampled Date	Oct 25, 2023
Sample Description	Emission from Stationary Source
Location	Pusher Furnace 2
Date Analysis Commenced	Oct 26, 2023
Condition of Sample	Extracted into two 2-L collection flasks, one filter paper placed in plastic petri dish, one plastic bottle and one 10-L air sampling bag

Stack Description

Ambient Pressure	755	mmHg	Diameter	2.95 x 0.60	m	Oxygen	8.5	%
Ambient Temperature	33.0	°C	Shape	Rectangular		Carbon Dioxide	6.8	%
Type of Process	Combustion (Open System)		Stack Temperature	368	°C	Gas Velocity	6.8	m/s
Type of Fuel	Natural Gas		Moisture	9.68	%	Flow Rate (Actual O2)	18161	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Carbon Monoxide *	10:30 AM - 10:40 AM	ppm	-	1.0	22.5	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	10:30 AM - 10:40 AM	ppm	-	1.06	54.4	200	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	10:20 AM - 11:08 AM	mg/m3	-	0.5	6.9	320	United States Environmental Protection Agency, EPA Method 5	Rayong



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O : 4500032476

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 23122203

Date Received : Oct 26, 2023

Date Reported : Jan 19, 2024

Report Number: 2889701-1 Rev. No.1

Page 2 of 2

Sample Number	23122203-1
Sampled Date	Oct 25, 2023
Sample Description	Emission from Stationary Source
Location	Pusher Furnace 2
Date Analysis Commenced	Oct 26, 2023
Condition of Sample	Extracted into two 2-L collection flasks, one filter paper placed in plastic petri dish, one plastic bottle and one 10-L air sampling bag

Stack Description

Ambient Pressure	755	mmHg	Diameter	2.95 x 0.60	m	Oxygen	8.5	%
Ambient Temperature	33.0	°C	Shape	Rectangular		Carbon Dioxide	6.8	%
Type of Process	Combustion (Open System)		Stack Temperature	368	°C	Gas Velocity	6.8	m/s
Type of Fuel	Natural Gas		Moisture	9.68	%	Flow Rate (Actual O2)	18161	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Emission Rate	Guideline Limit	Method	Testing Location
Air Testing									
Carbon Monoxide *	10:30 AM - 10:40 AM	g/s	-	-	0.130		No Standard	Calculated	Rayong
Oxides of Nitrogen *	10:30 AM - 10:40 AM	g/s	-	-	0.516		No Standard	Calculated	Rayong
Total Suspended Particulate *	10:20 AM - 11:08 AM	g/s	-	-	0.035		No Standard	Calculated	Rayong

Guideline : Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Note: This Analysis test report is reissued to supersede report No.2812489-1 Rev. No.1, Date Reported : Nov 03, 2023 due to revise analytical information.

Sampled By : Tinnakorn Kulchart

Remark :

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Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-9447

Approved by

D. Johnson

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-จ-9442

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S:\Reports_Air Stack_GL_rpt (3:34PM)

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-9447

Approved by

D. Johnson

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-จ-9442

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O : 4500034903

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 2397494

Date Received : Aug 24, 2023

Date Reported : Jan 19, 2024

Report Number: 2889702-1

Page 1 of 1

Sample Number	2397494-1
Sampled Date	Aug 23, 2023
Sample Description	Emission from Stationary Source
Location	Pusher Furnace 3 (3-1PF)
Date Analysis Commenced	Aug 25, 2023
Condition of Sample	Extracted into two 2-L collection flasks, one filter paper placed in plastic petri dish, one plastic bottle and one 10-L air sampling bag

Stack Description

Ambient Pressure	747	mmHg	Diameter	3.20 x 0.70	m	Oxygen	6.2	%
Ambient Temperature	32.0	°C	Shape	Rectangular		Carbon Dioxide	8.1	%
Type of Process	Combustion (Open System)		Stack Temperature	211	°C	Gas Velocity	7.4	m/s
Type of Fuel	Natural Gas		Moisture	9.58	%	Flow Rate (Actual O2)	32777	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Carbon Monoxide *	03:05 PM - 03:15 PM	ppm	-	1.0	1.7	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	02:55 PM - 03:05 PM	ppm	-	1.06	34.1	200	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	02:30 PM - 03:32 PM	mg/m3	-	0.5	<0.5	320	United States Environmental Protection Agency, EPA Method 5	Rayong

Guideline : Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Note: This Analysis test report is issued to supersede report No.2751179-1, Date Reported : Aug 31, 2023 due to revise analytical information.

Sampled By : Warawut Pubpa

Remark :

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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-9447

Approved by

D. Johnson

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-จ-9442

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S:\Reports_Air Stack_GL_rpt (3:22PM)



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O : 4500034903

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 2397495

Date Received : Aug 24, 2023

Date Reported : Jan 19, 2024

Report Number: 2889704-1

Page 1 of 1

Sample Number	2397495-1
Sampled Date	Aug 23, 2023
Sample Description	Emission from Stationary Source
Location	Pusher Furnace 3 (3-2PF)
Date Analysis Commenced	Aug 25, 2023
Condition of Sample	Extracted into two 2-L collection flasks, one filter paper placed in plastic petri dish, one plastic bottle and one 10-L air sampling bag

Stack Description

Ambient Pressure	747	mmHg	Diameter	3.20 x 0.70	m	Oxygen	15.7	%
Ambient Temperature	32.0	°C	Shape	Rectangular		Carbon Dioxide	2.5	%
Type of Process	Combustion (Open System)		Stack Temperature	269	°C	Gas Velocity	5.0	m/s
Type of Fuel	Natural Gas		Moisture	9.69	%	Flow Rate (Actual O2)	19557	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Carbon Monoxide *	01:35 PM - 01:45 PM	ppm	-	1.0	405	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	01:25 PM - 01:35 PM	ppm	-	1.06	37.0	200	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	01:20 PM - 02:14 PM	mg/m3	-	0.5	3.9	320	United States Environmental Protection Agency, EPA Method 5	Rayong

Guideline : Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Note: This Analysis test report is issued to supersede report No.2751180-1, Date Reported : Aug 31, 2023 due to revise analytical information.

Sampled By : Warawut Pubpa

Remark :

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Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-9447

Approved by

D. Johnson

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-จ-9442

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O : 4500034903

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 2397496

Date Received : Aug 24, 2023

Date Reported : Jan 19, 2024

Report Number: 2889705-1

Page 1 of 1

Sample Number	2397496-1
Sampled Date	Aug 24, 2023
Sample Description	Emission from Stationary Source
Location	Homogenizing Furnace_1
Date Analysis Commenced	Aug 25, 2023
Condition of Sample	Extracted into two 2-L collection flasks, one filter paper placed in plastic petri dish, one plastic bottle and one 10-L air sampling bag

Stack Description

Ambient Pressure	747	mmHg	Diameter	0.77	m	Oxygen	20.1	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Combustion (Open System)		Stack Temperature	110	°C	Gas Velocity	6.9	m/s
Type of Fuel	Natural Gas		Moisture	6.35	%	Flow Rate (Actual O2)	8269	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Carbon Monoxide *	01:45 PM - 01:55 PM	ppm	-	1.0	1.2	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	01:40 PM - 01:50 PM	ppm	-	1.06	3.1	200	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	01:40 PM - 02:24 PM	mg/m3	-	0.5	<0.5	320	United States Environmental Protection Agency, EPA Method 5	Rayong

Guideline : Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Note: This Analysis test report is issued to supersede report No.2751182-1, Date Reported : Aug 31, 2023 due to revise analytical information.

Sampled By : Jaradrawee Sriruksa

Remark :

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Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-9447

Approved by

D. Johnson

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-จ-9442

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S:\Reports_Air Stack_GL.rpt (3:24PM)



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O : 4500034903

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 2397497

Date Received : Aug 24, 2023

Date Reported : Jan 19, 2024

Report Number: 2889706-1

Page 1 of 1

Sample Number	2397497-1
Sampled Date	Aug 24, 2023
Sample Description	Emission from Stationary Source
Location	Homogenizing Furnace_2
Date Analysis Commenced	Aug 25, 2023
Condition of Sample	Extracted into two 2-L collection flasks, one filter paper placed in plastic petri dish, one plastic bottle and one 10-L air sampling bag

Stack Description

Ambient Pressure	747	mmHg	Diameter	0.77	m	Oxygen	20.2	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Combustion (Open System)		Stack Temperature	107	°C	Gas Velocity	6.8	m/s
Type of Fuel	Natural Gas		Moisture	6.46	%	Flow Rate (Actual O2)	8287	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Carbon Monoxide *	02:45 PM - 02:55 PM	ppm	-	1.0	1.1	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	02:40 PM - 02:50 PM	ppm	-	1.06	3.4	200	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	02:40 PM - 03:24 PM	mg/m3	-	0.5	<0.5	320	United States Environmental Protection Agency, EPA Method 5	Rayong

Guideline : Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Note: This Analysis test report is issued to supersede report No.2751184-1, Date Reported : Aug 31, 2023 due to revise analytical information.

Sampled By : Jaradrawee Sriruksa

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
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Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-9447

Approved by

D. Johnson

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-จ-9442

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S:\Reports_Air Stack_GL.rpt (3:25PM)



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O : 4500032476

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 23122368

Date Received : Oct 26, 2023

Date Reported : Jan 19, 2024

Report Number: 2889707-1 Rev. No.1

Page 1 of 2

Sample Number	23122368-1						
Sampled Date	Oct 25, 2023						
Sample Description	Emission from Stationary Source						
Location	Coil Annealing Furnace_1						
Date Analysis Commenced	Oct 26, 2023						
Condition of Sample	Extracted into two 2-L collection flasks, one filter paper placed in plastic petri dish, one plastic bottle and one 10-L air sampling bag						

Stack Description

Ambient Pressure	755	mmHg	Diameter	0.62	m	Oxygen	6.6	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	8.1	%
Type of Process	Combustion		Stack Temperature	460	°C	Gas Velocity	8.8	m/s
Type of Fuel	Natural Gas		Moisture	13.19	%	Flow Rate (Actual O2)	3364	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Guideline Limit	Method	Testing Location
Air Testing								
Carbon Monoxide *	01:30 PM - 01:40 PM	ppm	-	1.0	234	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	01:30 PM - 01:40 PM	ppm	-	1.06	53.3	200	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	01:30 PM - 02:30 PM	mg/m3	-	0.5	8.3	320	United States Environmental Protection Agency, EPA Method 5	Rayong



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O : 4500032476

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 23122368

Date Received : Oct 26, 2023

Date Reported : Jan 19, 2024

Report Number: 2889707-1 Rev. No.1

Page 2 of 2

Sample Number	23122368-1						
Sampled Date	Oct 25, 2023						
Sample Description	Emission from Stationary Source						
Location	Coil Annealing Furnace_1						
Date Analysis Commenced	Oct 26, 2023						
Condition of Sample	Extracted into two 2-L collection flasks, one filter paper placed in plastic petri dish, one plastic bottle and one 10-L air sampling bag						

Stack Description

Ambient Pressure	755	mmHg	Diameter	0.62	m	Oxygen	6.6	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	8.1	%
Type of Process	Combustion		Stack Temperature	460	°C	Gas Velocity	8.8	m/s
Type of Fuel	Natural Gas		Moisture	13.19	%	Flow Rate (Actual O2)	3364	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline Limit	Method	Testing Location
Air Testing								
Carbon Monoxide *	01:30 PM - 01:40 PM	g/s	-	-	0.257	No Standard	Calculated	Rayong
Oxides of Nitrogen *	01:30 PM - 01:40 PM	g/s	-	-	0.096	No Standard	Calculated	Rayong
Total Suspended Particulate *	01:30 PM - 02:30 PM	g/s	-	-	0.008	No Standard	Calculated	Rayong

Guideline : Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Note: This Analysis test report is reissued to supersede report No.2812494-1 Rev. No.1, Date Reported : Nov 03, 2023 due to revise analytical information.

Sampled By : Tinnakorn Kulchart

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-9447

Approved by

D. Johnson

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-จ-9442

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Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-9447

Approved by

D. Johnson

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-จ-9442

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O : 4500034903

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 2397499

Date Received : Aug 24, 2023

Date Reported : Jan 19, 2024

Report Number: 2889708-1

Page 1 of 1

Sample Number	2397499-1
Sampled Date	Aug 23, 2023
Sample Description	Emission from Stationary Source
Location	Coil Annealing Furnace_2
Date Analysis Commenced	Aug 25, 2023
Condition of Sample	Extracted into two 2-L collection flasks, one filter paper placed in plastic petri dish, one plastic bottle and one 10-L air sampling bag

Stack Description

Ambient Pressure	747	mmHg	Diameter	0.62	m	Oxygen	7.4	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	7.7	%
Type of Process	Combustion		Stack Temperature	150	°C	Gas Velocity	3.7	m/s
Type of Fuel	Natural Gas		Moisture	9.62	%	Flow Rate (Actual O2)	2525	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Guideline Limit	Method	Testing Location
Air Testing								
Carbon Monoxide *	10:25 AM - 10:35 AM	ppm	-	1.0	36.0	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	10:15 AM - 10:25 AM	ppm	-	1.06	12.7	200	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	10:10 AM - 11:06 AM	mg/m3	-	0.5	<0.5	320	United States Environmental Protection Agency, EPA Method 5	Rayong

Guideline : Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Note: This Analysis test report is issued to supersede report No.2751192-1, Date Reported : Aug 31, 2023 due to revise analytical information.

Sampled By : Warawut Pubpa

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-9447

Approved by

D. Johnson

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-จ-9442

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O : 4500034903

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 2397500

Date Received : Aug 22, 2023

Date Reported : Jan 19, 2024

Report Number: 2889709-1

Page 1 of 1

Sample Number	2397500-1
Sampled Date	Aug 22, 2023
Sample Description	Emission from Stationary Source
Location	Coil Annealing Furnace_3
Date Analysis Commenced	Aug 23, 2023
Condition of Sample	Extracted into two 2-L collection flasks, one filter paper placed in plastic petri dish, one plastic bottle and one 10-L air sampling bag

Stack Description

Ambient Pressure	747	mmHg	Diameter	0.62	m	Oxygen	12.0	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	5.1	%
Type of Process	Combustion		Stack Temperature	169	°C	Gas Velocity	6.6	m/s
Type of Fuel	Natural Gas		Moisture	9.26	%	Flow Rate (Actual O2)	4313	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Guideline Limit	Method	Testing Location
Air Testing								
Carbon Monoxide *	10:50 AM - 11:00 AM	ppm	-	1.0	65.2	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	10:40 AM - 10:50 AM	ppm	-	1.06	58.5	200	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	10:30 AM - 11:18 AM	mg/m3	-	0.5	<0.5	320	United States Environmental Protection Agency, EPA Method 5	Rayong

Guideline : Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Note: This Analysis test report is issued to supersede report No.2751195-1, Date Reported : Aug 30, 2023 due to revise analytical information.

Sampled By : Warawut Pubpa

Remark :

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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-9447

Approved by

D. Johnson

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-จ-9442

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O : 4500034903

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 2397501

Date Received : Aug 25, 2023

Date Reported : Jan 19, 2024

Report Number: 2889710-1

Page 1 of 1

Sample Number	2397501-1
Sampled Date	Aug 24, 2023
Sample Description	Emission from Stationary Source
Location	Coil Annealing Furnace_4
Date Analysis Commenced	Aug 26, 2023
Condition of Sample	Extracted into two 2-L collection flasks, one filter paper placed in plastic petri dish, one plastic bottle and one 10-L air sampling bag

Stack Description

Ambient Pressure	747	mmHg	Diameter	0.62	m	Oxygen	8.1	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	7.3	%
Type of Process	Combustion		Stack Temperature	261	°C	Gas Velocity	4.2	m/s
Type of Fuel	Natural Gas		Moisture	9.46	%	Flow Rate (Actual O2)	2253	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Guideline Limit	Method	Testing Location
Air Testing								
Carbon Monoxide *	10:45 AM - 10:55 AM	ppm	-	1.0	<1.0	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	10:35 AM - 10:45 AM	ppm	-	1.06	48.1	200	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	10:30 AM - 11:12 AM	mg/m3	-	0.5	<0.5	320	United States Environmental Protection Agency, EPA Method 5	Rayong

Guideline : Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Note: This Analysis test report is reissued to supersede report No.2751196-1, Date Reported : Sep 05, 2023 due to revise analytical information.

Sampled By : Warawut Pubpa

Remark :

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Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-9447

Approved by

D. Johnson

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-จ-9442

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 2397446

Date Received : Aug 29, 2023

Date Reported : Sep 08, 2023

Report Number: 2751270-1

Page 1 of 1

Sample Number	2397446-1
Sampled Date	Aug 29, 2023
Sample Description	Emission from Stationary Source
Location	Solvent Recycle_1TL
Date Analysis Commenced	Aug 30, 2023
Condition of Sample	Extracted into one filter paper placed in plastic petri dish, one plastic bottle and one sorbent tube, refrigerated

Stack Description

Ambient Pressure	746	mmHg	Diameter	0.40 x 0.35	m	Oxygen	20.9	%
Ambient Temperature	33.0	°C	Shape	Rectangular		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	43.0	°C	Gas Velocity	8.2	m/s
Type of Fuel	-		Moisture	3.17	%	Flow Rate (Actual O2)	3696	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Total Suspended Particulate	11:20 AM - 12:08 PM	mg/m3	-	0.5	1.0	400	United States Environmental Protection Agency, EPA Method 5	Rayong

Guideline : Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Sampled By : Jittakorn Sriwasa , Saksit Phaisanphisut

Remark :

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Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-9447

Approved by

D. Johnson

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-จ-9442

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397446

Date Received : Aug 29, 2023

Date Reported : Sep 08, 2023

Report Number: 2751270-2

Page 1 of 1

Sample Number 2397446-1
Sampled Date Aug 29, 2023
Sample Description Emission from Stationary Source
Location Solvent Recycle_1TL
Date Analysis Commenced Aug 30, 2023
Condition of Sample Extracted into one filter paper placed in plastic petri dish, one plastic bottle and one sorbent tube, refrigerated

Stack Description

Ambient Pressure	746	mmHg	Diameter	0.40 x 0.35	m	Oxygen	20.9	%
Ambient Temperature	33.0	°C	Shape	Rectangular		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	43.0	°C	Gas Velocity	8.2	m/s
Type of Fuel	-		Moisture	3.17	%	Flow Rate (Actual O2)	3696	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
n-Decane	11:20 AM - 11:35 AM	ppm	-	0.2	<0.20	United States Environmental Protection Agency, EPA Method 18	Bangkok

Sampled By : Jittakorn Sriwasa, Saksit Phaisanphisut

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name : Monitoring

Project Location :



TESTING

No.0042

Lot ID: 2397562

Date Received : Aug 25, 2023

Date Reported : Sep 06, 2023

Report Number: 2751271-1

Page 1 of 1

Sample Number 2397562-1
Sampled Date Aug 24, 2023
Sample Description Emission from Stationary Source
Location Solvent Recycle_CPL1
Date Analysis Commenced Aug 28, 2023
Condition of Sample Extracted into one filter paper placed in plastic petri dish, one plastic bottle and one sorbent tube, refrigerated

Stack Description

Ambient Pressure	747	mmHg	Diameter	0.35 x 0.40	m	Oxygen	20.9	%
Ambient Temperature	32.0	°C	Shape	Rectangular		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	53.0	°C	Gas Velocity	14.5	m/s
Type of Fuel	-		Moisture	3.09	%	Flow Rate (Actual O2)	6379	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Total Suspended Particulate	02:00 PM - 02:42 PM	mg/m3	-	0.5	<0.5	400	United States Environmental Protection Agency, EPA Method 5	Rayong

Guideline : Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Sampled By : Warawut Pupba

Remark :

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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-9447

Approved by

D. Johnson

Dej Changchon
Senior Manager

ทะเบียนเลขที่ ว-323-จ-9442

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397562
Date Received : Aug 25, 2023
Date Reported : Sep 06, 2023
Report Number: 2751271-2

Page 1 of 1

Sample Number 2397562-1
Sampled Date Aug 24, 2023
Sample Description Emission from Stationary Source
Location Solvent Recycle_CPL1
Date Analysis Commenced Aug 28, 2023
Condition of Sample Extracted into one filter paper placed in plastic petri dish, one plastic bottle and one sorbent tube, refrigerated

Stack Description							
Ambient Pressure	747	mmHg	Diameter	0.35 x 0.40	m	Oxygen	20.9 %
Ambient Temperature	32.0	°C	Shape	Rectangular		Carbon Dioxide	0.0 %
Type of Process	Process		Stack Temperature	53.0	°C	Gas Velocity	14.5 m/s
Type of Fuel	-		Moisture	3.09	%	Flow Rate (Actual O2)	6379 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
n-Decane	02:00 PM - 02:15 PM	ppm	-	0.2	<0.20	United States Environmental Protection Agency, EPA Method 18	Bangkok

Sampled By : Warawut Pubpa

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Saranya C.
Saranya Chalermthamrong
Scientist (4)

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S:\Reports_Air Stack_NGL.rpt (4:32PM)



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397563
Date Received : Aug 28, 2023
Date Reported : Sep 08, 2023
Report Number: 2751273-1

Page 1 of 1

Sample Number 2397563-1
Sampled Date Aug 28, 2023
Sample Description Emission from Stationary Source
Location Solvent Recycle_TRL
Date Analysis Commenced Aug 29, 2023
Condition of Sample Extracted into one filter paper placed in plastic petri dish, one plastic bottle and one sorbent tube, refrigerated

Stack Description							
Ambient Pressure	746	mmHg	Diameter	0.50	m	Oxygen	20.9 %
Ambient Temperature	33.0	°C	Shape	Circle		Carbon Dioxide	0.0 %
Type of Process	Process		Stack Temperature	42.1	°C	Gas Velocity	11.6 m/s
Type of Fuel	-		Moisture	3.27	%	Flow Rate (Actual O2)	7370 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Total Suspended Particulate	11:20 AM - 12:16 PM	mg/m3	-	0.5	<0.5	400	United States Environmental Protection Agency, EPA Method 5	Rayong

Guideline : Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Sampled By : Jittakorn Sriwasa , Saksit Phaisanphisut

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Thanita K.
Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-9447

Approved by

D. Johnson
Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-จ-9442

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S:\Reports_Air Stack_GL.rpt (9:16AM)



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140
P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2397563
Date Received : Aug 28, 2023
Date Reported : Sep 07, 2023
Report Number: 2751273-2

Page 1 of 1

Sample Number	2397563-1
Sampled Date	Aug 28, 2023
Sample Description	Emission from Stationary Source
Location	Solvent Recycle_TRL
Date Analysis Commenced	Aug 30, 2023
Condition of Sample	Extracted into one filter paper placed in plastic petri dish, one plastic bottle and one sorbent tube, refrigerated

Stack Description							
Ambient Pressure	746	mmHg	Diameter	0.50	m	Oxygen	20.9 %
Ambient Temperature	33.0	°C	Shape	Circle		Carbon Dioxide	0.0 %
Type of Process	Process		Stack Temperature	42.1	°C	Gas Velocity	11.6 m/s
Type of Fuel	-		Moisture	3.27	%	Flow Rate (Actual O2)	7370 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
n-Decane	11:25 AM - 11:40 AM	ppm	-	0.2	<0.20	United States Environmental Protection Agency, EPA Method 18	Bangkok

Sampled By : Jittakorn Sriwasa , Saksit Phaisanphisut

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Orawan R.
Orawan Rakyong
Scientist (3)

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140
P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2399889
Date Received : Aug 25, 2023
Date Reported : Sep 06, 2023
Report Number: 2756844-1

Page 1 of 1

Sample Number	2399889-1
Sampled Date	Aug 25, 2023
Sample Description	Emission from Stationary Source
Location	Solvent Recycle_2CPC
Date Analysis Commenced	Aug 28, 2023
Condition of Sample	Extracted into one filter paper placed in plastic petri dish, one plastic bottle and one sorbent tube, refrigerated

Stack Description							
Ambient Pressure	747	mmHg	Diameter	0.30 x 0.40	m	Oxygen	20.9 %
Ambient Temperature	32.0	°C	Shape	Rectangular		Carbon Dioxide	0.0 %
Type of Process	Process		Stack Temperature	54.5	°C	Gas Velocity	12.5 m/s
Type of Fuel	-		Moisture	3.12	%	Flow Rate (Actual O2)	4694 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Total Suspended Particulate	03:10 PM - 03:58 PM	mg/m3	-	0.5	<0.5	400	United States Environmental Protection Agency, EPA Method 5	Rayong

Guideline : Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Sampled By : Warawut Pupba

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Thanita K.
Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-9447

Approved by

D. Changchon
Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-จ-9442

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2399889
Date Received : Aug 25, 2023
Date Reported : Sep 06, 2023
Report Number: 2756844-2

Page 1 of 1

Sample Number 2399889-1
Sampled Date Aug 25, 2023
Sample Description Emission from Stationary Source
Location Solvent Recycle_2CPC
Date Analysis Commenced Aug 28, 2023
Condition of Sample Extracted into one filter paper placed in plastic petri dish, one plastic bottle and one sorbent tube, refrigerated

Stack Description							
Ambient Pressure	747	mmHg	Diameter	0.30 x 0.40	m	Oxygen	20.9 %
Ambient Temperature	32.0	°C	Shape	Rectangular		Carbon Dioxide	0.0 %
Type of Process	Process		Stack Temperature	54.5	°C	Gas Velocity	12.5 m/s
Type of Fuel	-		Moisture	3.12	%	Flow Rate (Actual O2)	4694 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
n-Decane	03:10 PM - 03:25 PM	ppm	-	0.2	<0.20	United States Environmental Protection Agency, EPA Method 18	Bangkok

Sampled By : Warawut Pubpa

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Saranya C.

Saranya Chalermthamrong
Scientist (4)

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O : 4500034903

Project Name : Monitoring

Project Location :

Lot ID: 2397447
Date Received : Aug 29, 2023
Date Reported : Jan 18, 2024
Report Number: 2751275-1 Rev. No.1

Page 1 of 1

Sample Number 2397447-1
Sampled Date Aug 29, 2023
Sample Description Emission from Stationary Source
Location Fume Incinerator CCL
Date Analysis Commenced Aug 30, 2023
Condition of Sample Extracted into two 2-L collection flasks, one filter paper placed in plastic petri dish, one plastic bottle, one 10-L air sampling bag and one sorbent tube, refrigerated

Stack Description							
Ambient Pressure	746	mmHg	Diameter	2.00	m	Oxygen	17.4 %
Ambient Temperature	33.0	°C	Shape	Circle		Carbon Dioxide	2.1 %
Type of Process	Combustion (Open System)		Stack Temperature	289	°C	Gas Velocity	9.4 m/s
Type of Fuel	Natural Gas		Moisture	6.93	%	Flow Rate (Actual O2)	51261 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Carbon Monoxide *	10:35 AM - 10:45 AM	ppm	-	1.0	18.5	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	10:40 AM - 10:50 AM	ppm	-	1.06	26.5	200	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	10:35 AM - 11:23 AM	mg/m3	-	0.5	<0.5	320	United States Environmental Protection Agency, EPA Method 5	Rayong

Guideline : Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Note: This Analysis test report is reissued to supersede report No.2751275-1, Date Reported : Sep 08, 2023 due to revise sample information.

Sampled By : Jittakorn Sriwasa , Saksit Phaisanphisut

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

ทะเบียนเลขที่ 7-323-จ-9447

Approved by

D. Johnson

Dej Changchon
Senior Manager

ทะเบียนเลขที่ 7-323-จ-9442

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S:\Reports\Air Stack_GL.rpt (4:19PM)



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140
P/O : 4500034903
Project Name : Monitoring
Project Location :

Lot ID: 2397447
Date Received : Aug 29, 2023
Date Reported : Jan 18, 2024
Report Number: 2751275-2 Rev. No.1

Page 1 of 1

Sample Number	2397447-1						
Sampled Date	Aug 29, 2023						
Sample Description	Emission from Stationary Source						
Location	Fume Incinerator CCL						
Date Analysis Commenced	Aug 30, 2023						
Condition of Sample	Extracted into two 2-L collection flasks, one filter paper placed in plastic petri dish, one plastic bottle, one 10-L air sampling bag and one sorbent tube, refrigerated						

Stack Description

Ambient Pressure	746	mmHg	Diameter	2.00	m	Oxygen	17.4	%
Ambient Temperature	33.0	°C	Shape	Circle		Carbon Dioxide	2.1	%
Type of Process	Combustion (Open System)		Stack Temperature	289	°C	Gas Velocity	9.4	m/s
Type of Fuel	Natural Gas		Moisture	6.93	%	Flow Rate (Actual O2)	51261	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
n-Decane	10:45 AM - 11:00 AM	ppm	-	0.2	<0.20	United States Environmental Protection Agency, EPA Method 18	Bangkok

Note:

This Analysis test report is reissued to supersede report No.2751275-2, Date Reported : Sep 08, 2023 due to revise sample information.

Sampled By : Jittakorn Sriwasa , Saksit Phaisanphisut

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Orawan R.

Orawan Rakyoung
Scientist (3)

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140
P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2397566
Date Received : Aug 28, 2023
Date Reported : Sep 08, 2023
Report Number: 2751276-1



TESTING
No.0042

Page 1 of 1

Sample Number	2397566-1						
Sampled Date	Aug 28, 2023						
Sample Description	Emission from Stationary Source						
Location	Fume Incinerator_FCL						
Date Analysis Commenced	Aug 29, 2023						
Condition of Sample	Extracted into two 2-L collection flasks, one filter paper placed in plastic petri dish, one plastic bottle, one 10-L air sampling bag and one sorbent tube, refrigerated						

Stack Description

Ambient Pressure	746	mmHg	Diameter	1.00	m	Oxygen	19.0	%
Ambient Temperature	33.0	°C	Shape	Circle		Carbon Dioxide	1.1	%
Type of Process	Combustion (Open System)		Stack Temperature	192	°C	Gas Velocity	11.4	m/s
Type of Fuel	Natural Gas		Moisture	5.68	%	Flow Rate (Actual O2)	19098	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Carbon Monoxide *	10:05 AM - 10:15 AM	ppm	-	1.0	6.4	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	10:05 AM - 10:15 AM	ppm	-	1.06	6.76	200	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	10:00 AM - 10:48 AM	mg/m3	-	0.5	<0.5	320	United States Environmental Protection Agency, EPA Method 5	Rayong

Guideline : Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Sampled By : Jittakorn Sriwasa , Saksit Phaisanphisut

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

ทะเบียนเลขที่ ๖-323-๖-9447

Approved by

D. Johnson

Dej Changchon
Senior Manager

ทะเบียนเลขที่ ๖-323-๖-9442

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S:\Reports\Air Stack_GL.rpt (9:18AM)



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397566
Date Received : Aug 28, 2023
Date Reported : Sep 07, 2023
Report Number: 2751276-2

Page 1 of 1

Sample Number	2397566-1						
Sampled Date	Aug 28, 2023						
Sample Description	Emission from Stationary Source						
Location	Fume Incinerator_FCL						
Date Analysis Commenced	Aug 30, 2023						
Condition of Sample	Extracted into two 2-L collection flasks, one filter paper placed in plastic petri dish, one plastic bottle, one 10-L air sampling bag and one sorbent tube, refrigerated						

Stack Description

Ambient Pressure	746	mmHg	Diameter	1.00	m	Oxygen	19.0	%
Ambient Temperature	33.0	°C	Shape	Circle		Carbon Dioxide	1.1	%
Type of Process	Combustion (Open System)		Stack Temperature	192	°C	Gas Velocity	11.4	m/s
Type of Fuel	Natural Gas		Moisture	5.68	%	Flow Rate (Actual O2)	19098	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
n-Decane	10:15 AM - 10:30 AM	ppm	-	0.2	<0.20	United States Environmental Protection Agency, EPA Method 18	Bangkok

Sampled By : Jittakorn Sriwasa , Saksit Phaisanphisut

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Orawan R.

Orawan Rak Yong
Scientist (3)

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397566
Date Received : Aug 28, 2023
Date Reported : Sep 08, 2023
Report Number: 2751276-1



TESTING
No.0042

Page 1 of 1

Sample Number	2397566-1						
Sampled Date	Aug 28, 2023						
Sample Description	Emission from Stationary Source						
Location	Fume Incinerator_FCL						
Date Analysis Commenced	Aug 29, 2023						
Condition of Sample	Extracted into two 2-L collection flasks, one filter paper placed in plastic petri dish, one plastic bottle, one 10-L air sampling bag and one sorbent tube, refrigerated						

Stack Description

Ambient Pressure	746	mmHg	Diameter	1.00	m	Oxygen	19.0	%
Ambient Temperature	33.0	°C	Shape	Circle		Carbon Dioxide	1.1	%
Type of Process	Combustion (Open System)		Stack Temperature	192	°C	Gas Velocity	11.4	m/s
Type of Fuel	Natural Gas		Moisture	5.68	%	Flow Rate (Actual O2)	19098	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Carbon Monoxide *	10:05 AM - 10:15 AM	ppm	-	1.0	6.4	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	10:05 AM - 10:15 AM	ppm	-	1.06	6.76	200	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	10:00 AM - 10:48 AM	mg/m3	-	0.5	<0.5	320	United States Environmental Protection Agency, EPA Method 5	Rayong

Guideline : Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Sampled By : Jittakorn Sriwasa , Saksit Phaisanphisut

Remark :
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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

ทะเบียนเลขที่ ๖-323-๖-9447

Approved by

D. Johnson

Dej Changchon
Senior Manager

ทะเบียนเลขที่ ๖-323-๖-9442

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S:\Reports\Air Stack_GL.rpt (9:18AM)



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140
P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2397566
Date Received : Aug 28, 2023
Date Reported : Sep 07, 2023
Report Number: 2751276-2

Page 1 of 1

Sample Number	2397566-1						
Sampled Date	Aug 28, 2023						
Sample Description	Emission from Stationary Source						
Location	Fume Incinerator_FCL						
Date Analysis Commenced	Aug 30, 2023						
Condition of Sample	Extracted into two 2-L collection flasks, one filter paper placed in plastic petri dish, one plastic bottle, one 10-L air sampling bag and one sorbent tube, refrigerated						

Stack Description

Ambient Pressure	746	mmHg	Diameter	1.00	m	Oxygen	19.0	%
Ambient Temperature	33.0	°C	Shape	Circle		Carbon Dioxide	1.1	%
Type of Process	Combustion (Open System)		Stack Temperature	192	°C	Gas Velocity	11.4	m/s
Type of Fuel	Natural Gas		Moisture	5.68	%	Flow Rate (Actual O2)	19098	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
n-Decane	10:15 AM - 10:30 AM	ppm	-	0.2	<0.20	United States Environmental Protection Agency, EPA Method 18	Bangkok

Sampled By : Jittakorn Sriwasa , Saksit Phaisanphisut

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Orawan R.

Orawan Rakhyong
Scientist (3)

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9044-21/ EMAILCASH

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140
P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2397567
Date Received : Aug 25, 2023
Date Reported : Sep 06, 2023
Report Number: 2751279-1



TESTING
No.0042

Page 1 of 1

Sample Number	2397567-1						
Sampled Date	Aug 25, 2023						
Sample Description	Emission from Stationary Source						
Location	Fume Incinerator (2CPCL)						
Date Analysis Commenced	Aug 28, 2023						
Condition of Sample	Extracted into two 2-L collection flasks, one filter paper placed in plastic petri dish, one plastic bottle, one 10-L air sampling bag and one sorbent tube, refrigerated						

Stack Description

Ambient Pressure	747	mmHg	Diameter	2.00	m	Oxygen	17.9	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	1.7	%
Type of Process	Combustion (Open System)		Stack Temperature	370	°C	Gas Velocity	10.0	m/s
Type of Fuel	Natural Gas		Moisture	7.81	%	Flow Rate (Actual O2)	47619	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Carbon Monoxide *	02:20 PM - 02:30 PM	ppm	-	1.0	190	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	02:15 PM - 02:25 PM	ppm	-	1.06	13.4	200	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	02:12 PM - 02:58 PM	mg/m3	-	0.5	<0.5	320	United States Environmental Protection Agency, EPA Method 5	Rayong

Guideline : Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Sampled By : Warawut Pubpa

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ ๖-323-๖-9447

Approved by

D. Johnson

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ๖-323-๖-9442

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397567

Date Received : Aug 25, 2023

Date Reported : Sep 06, 2023

Report Number: 2751279-2

Page 1 of 1

Sample Number	2397567-1						
Sampled Date	Aug 25, 2023						
Sample Description	Emission from Stationary Source						
Location	Fume Incinerator (2CPCL)						
Date Analysis Commenced	Aug 28, 2023						
Condition of Sample	Extracted into two 2-L collection flasks, one filter paper placed in plastic petri dish, one plastic bottle, one 10-L air sampling bag and one sorbent tube, refrigerated						

Stack Description

Ambient Pressure	747	mmHg	Diameter	2.00	m	Oxygen	17.9	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	1.7	%
Type of Process	Combustion (Open System)		Stack Temperature	370	°C	Gas Velocity	10.0	m/s
Type of Fuel	Natural Gas		Moisture	7.81	%	Flow Rate (Actual O2)	47619	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
n-Decane	02:30 PM - 02:45 PM	ppm	-	0.2	<0.20	United States Environmental Protection Agency, EPA Method 18	Bangkok

Sampled By : Warawut Pubpa

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Saranya C.

Saranya Chalermthamrong
Scientist (4)

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ภาคผนวก ค-2

คุณภาพอากาศในบรรยากาศโดยทั่วไป



Analysis / Test Report



TESTING
No.0042

Lot ID: 2397420

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2751109-1

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng,
Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Page 1 of 1

Sample Description	Air Quality				
Location	บ้านพุไทร (Ban Phusai) (GPS 47P 0725767, 1434359)				
Date Analysis Commenced	Aug 31, 2023				
Condition of Sample	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag				

Sample Number	Sampled Date	Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
2397420-1	Aug 22 - Aug 23, 2023	0.176	0.082	756	31
2397420-2	Aug 23 - Aug 24, 2023	0.253	0.109	756	31
2397420-3	Aug 24 - Aug 25, 2023	0.167	0.077	756	31
2397420-4	Aug 25 - Aug 26, 2023	0.144	0.073	756	31
2397420-5	Aug 26 - Aug 27, 2023	0.105	0.057	756	31
2397420-6	Aug 27 - Aug 28, 2023	0.184	0.103	756	31
2397420-7	Aug 28 - Aug 29, 2023	0.374	0.184	756	32
Guideline		0.33	0.12	-	-

Reference Method

Total Suspended Particulate : US EPA 40 CFR Part 50 Appendix B

Particulate Metter (PM-10) : US EPA 40 CFR Part 50 Appendix J

Guideline : Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004

Sampled By : Sawai Tonpho

Remark :

- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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Analysis / Test Report



TESTING
No.0042

Lot ID: 2397420

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2751109-2

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng,
Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Page 1 of 1

Sample Description	Air Quality				
Location	บ้านหวายไคหนอ (Ban Huay Kai Nhow) (GPS 47P 0723848, 1430920)				
Date Analysis Commenced	Aug 31, 2023				
Condition of Sample	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag				

Sample Number	Sampled Date	Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
2397420-8	Aug 22 - Aug 23, 2023	0.018	0.014	756	31
2397420-9	Aug 23 - Aug 24, 2023	0.017	0.013	756	31
2397420-10	Aug 24 - Aug 25, 2023	0.017	0.013	756	31
2397420-11	Aug 25 - Aug 26, 2023	0.018	0.013	756	31
2397420-12	Aug 26 - Aug 27, 2023	0.018	0.013	756	31
2397420-13	Aug 27 - Aug 28, 2023	0.022	0.015	756	31
2397420-14	Aug 28 - Aug 29, 2023	0.037	0.017	756	32
Guideline		0.33	0.12	-	-

Reference Method

Total Suspended Particulate : US EPA 40 CFR Part 50 Appendix B

Particulate Metter (PM-10) : US EPA 40 CFR Part 50 Appendix J

Guideline : Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004

Sampled By : Sawai Tonpho

Remark :

- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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TESTING
No.0042

Lot ID: 2397420

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2751109-3

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng,
Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Page 1 of 1

Sample Description	Air Quality				
Location	บ้านวังตาลพยอม (Ban Wang Tan Mhon) (GPS 47P 0734200, 1432165)				
Date Analysis Commenced	Aug 31, 2023				
Condition of Sample	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag				

Sample Number	Sampled Date	Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
2397420-15	Aug 22 - Aug 23, 2023	0.041	0.034	756	31
2397420-16	Aug 23 - Aug 24, 2023	0.044	0.026	756	31
2397420-17	Aug 24 - Aug 25, 2023	0.041	0.026	756	31
2397420-18	Aug 25 - Aug 26, 2023	0.043	0.021	756	31
2397420-19	Aug 26 - Aug 27, 2023	0.039	0.021	756	31
2397420-20	Aug 27 - Aug 28, 2023	0.050	0.022	756	31
2397420-21	Aug 28 - Aug 29, 2023	0.056	0.026	756	32
Guideline		0.33	0.12	-	-

Reference Method

Total Suspended Particulate : US EPA 40 CFR Part 50 Appendix B

Particulate Metter (PM-10) : US EPA 40 CFR Part 50 Appendix J

Guideline : Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004

Sampled By : Sawai Tonpho

Remark :

- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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Analysis / Test Report



TESTING
No.0042

Lot ID: 2397420

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2751109-4

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng,
Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Page 1 of 1

Sample Description	Air Quality				
Location	บ้านวังตาลพยอม (Ban Map Yang Porn) (GPS 47P 0731355, 1436975)				
Date Analysis Commenced	Aug 31, 2023				
Condition of Sample	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag				

Sample Number	Sampled Date	Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
2397420-22	Aug 22 - Aug 23, 2023	0.037	0.025	756	31
2397420-23	Aug 23 - Aug 24, 2023	0.029	0.019	756	31
2397420-24	Aug 24 - Aug 25, 2023	0.037	0.024	756	31
2397420-25	Aug 25 - Aug 26, 2023	0.029	0.021	756	31
2397420-26	Aug 26 - Aug 27, 2023	0.056	0.033	756	31
2397420-27	Aug 27 - Aug 28, 2023	0.032	0.022	756	31
2397420-28	Aug 28 - Aug 29, 2023	0.036	0.026	756	32
Guideline		0.33	0.12	-	-

Reference Method

Total Suspended Particulate : US EPA 40 CFR Part 50 Appendix B

Particulate Metter (PM-10) : US EPA 40 CFR Part 50 Appendix J

Guideline : Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004

Sampled By : Sawai Tonpho

Remark :

- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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Analysis / Test Report



TESTING
No.0042

Lot ID: 23122356

Date Received : Nov 03, 2023

Date Reported : Nov 08, 2023

Report Number: 2812473-1

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng,
Rayong Thailand 21140

P/O : 4500031848

Project Name : Monitoring

Project Location :

Page 1 of 1

Sample Description		Air Quality			
Location		บ้านทุ่งไทร (Ban Phusai) (GPS 47P 0725767, 1434359)			
Date Analysis Commenced		Nov 04, 2023			
Condition of Sample		Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag			
Sample Number	Sampled Date	Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
23122356-1	Oct 27 - Oct 28, 2023	0.086	0.037	757	34
23122356-2	Oct 28 - Oct 29, 2023	0.098	0.036	757	34
23122356-3	Oct 29 - Oct 30, 2023	0.029	0.017	757	34
23122356-4	Oct 30 - Oct 31, 2023	0.031	0.016	757	32
23122356-5	Oct 31 - Nov 01, 2023	0.032	0.017	757	32
23122356-6	Nov 01 - Nov 02, 2023	0.080	0.037	757	32
23122356-7	Nov 02 - Nov 03, 2023	0.170	0.076	757	32
Guideline		0.33	0.12	-	-

Reference Method

Total Suspended Particulate : US EPA 40 CFR Part 50 Appendix B

Particulate Matter (PM-10) : US EPA 40 CFR Part 50 Appendix J

Guideline : Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004

Sampled By : Saknarin Jaraskay

Remark :

- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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9044-21 CASH / EMAIL

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O : Check

Project Name : Monitoring

Project Location :

Lot ID: 2397235

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2767706-1

Page 1 of 1

Sample Description		Air Quality						
Location		บ้านทุ่งไทร (Ban Phusai) (GPS 47P 0725767, 1434359)						
Parameter		Nitrogen dioxide (ppm)						
Measurement Date		Aug 22, 2023 - Aug 29, 2023						
Measurement by		Sawai Tonpho						
Time		2397235-1 Aug 22, 2023	2397235-2 Aug 23, 2023	2397235-3 Aug 24, 2023	2397235-4 Aug 25, 2023	2397235-5 Aug 26, 2023	2397235-6 Aug 27, 2023	2397235-7 Aug 28, 2023
10:00 AM - 11:00 AM		<0.001	0.003	0.004	0.003	0.003	0.002	0.002
11:00 AM - 12:00 PM		0.004	0.002	0.003	0.002	0.002	0.002	0.002
12:00 PM - 01:00 PM		0.002	0.002	0.002	<0.001	0.001	<0.001	0.002
01:00 PM - 02:00 PM		0.002	0.002	<0.001	0.001	0.001	<0.001	0.002
02:00 PM - 03:00 PM		0.002	0.001	0.003	<0.001	0.001	0.002	0.001
03:00 PM - 04:00 PM		0.002	0.002	0.002	0.002	0.001	<0.001	0.002
04:00 PM - 05:00 PM		0.002	0.003	0.004	0.002	0.002	0.002	0.002
05:00 PM - 06:00 PM		0.003	0.004	0.004	0.004	0.003	0.002	0.004
06:00 PM - 07:00 PM		0.004	0.003	0.001	0.002	0.002	0.002	0.003
07:00 PM - 08:00 PM		0.003	0.003	0.002	0.001	0.002	0.002	0.002
08:00 PM - 09:00 PM		0.003	0.004	0.001	<0.001	0.002	0.001	0.003
09:00 PM - 10:00 PM		0.001	0.001	<0.001	<0.001	0.001	<0.001	0.002
10:00 PM - 11:00 PM		0.003	0.002	0.004	<0.001	0.002	<0.001	<0.001
11:00 PM - 12:00 AM		<0.001	0.002	0.004	<0.001	0.002	<0.001	0.002
12:00 AM - 01:00 AM		0.001	0.003	0.008	<0.001	<0.001	<0.001	0.002
01:00 AM - 02:00 AM		0.002	0.002	0.010	<0.001	<0.001	0.004	0.001
02:00 AM - 03:00 AM		0.001	0.001	0.011	<0.001	0.001	0.002	<0.001
03:00 AM - 04:00 AM		0.004	<0.001	0.010	0.002	0.003	0.002	<0.001
04:00 AM - 05:00 AM		0.002	0.001	0.009	0.002	0.002	0.002	<0.001
05:00 AM - 06:00 AM		0.002	<0.001	0.012	0.002	0.002	0.002	0.004
06:00 AM - 07:00 AM		0.008	0.005	0.025	0.006	0.009	0.006	0.006
07:00 AM - 08:00 AM		0.023	0.016	0.032	0.016	0.010	0.011	0.015
08:00 AM - 09:00 AM		0.012	0.010	0.011	0.009	0.003	0.006	0.004
09:00 AM - 10:00 AM		0.004	0.008	0.003	0.003	0.001	0.002	0.002
Average		0.004	0.003	0.007	0.003	0.003	0.002	0.003
1hr - Maximum		0.023	0.016	0.032	0.016	0.010	0.011	0.015
Standard 1hr - Average		0.170	0.170	0.170	0.170	0.170	0.170	0.170

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).

Reference Method : US EPA Method Part 50 App. F (Chemiluminescence)

Approved by

Tanyatorn M.

Tanyatorn Mongkonjirawut
Supervisor

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9044-21 EMAIL

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O : Check

Project Name : Monitoring

Project Location :

Lot ID: 2397235

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2767707-1

Page 1 of 1

Sample Description	Air Quality						
Location	บ้านหวายไคหนอ (Ban Huay Kai Nhow) (GPS 47P 0723848, 1430920)						
Parameter	Nitrogen dioxide (ppm)						
Measurement Date	Aug 22, 2023 - Aug 29, 2023						
Measurement by	Sawai Tonpho						
Time	2397235-8 Aug 22, 2023	2397235-9 Aug 23, 2023	2397235-10 Aug 24, 2023	2397235-11 Aug 25, 2023	2397235-12 Aug 26, 2023	2397235-13 Aug 27, 2023	2397235-14 Aug 28, 2023
11:00 AM - 12:00 PM	0.002	0.003	0.004	0.002	0.004	<0.001	0.001
12:00 PM - 01:00 PM	0.004	0.002	0.002	0.001	0.002	0.001	0.003
01:00 PM - 02:00 PM	0.003	0.002	0.001	0.001	0.002	0.002	0.002
02:00 PM - 03:00 PM	0.001	0.001	0.002	0.001	0.002	0.002	0.002
03:00 PM - 04:00 PM	0.001	0.001	0.001	0.001	0.002	0.002	0.001
04:00 PM - 05:00 PM	0.002	0.001	0.001	0.002	0.002	0.001	0.001
05:00 PM - 06:00 PM	0.001	0.002	0.002	0.002	0.002	0.002	0.001
06:00 PM - 07:00 PM	0.002	0.002	0.002	0.002	0.003	0.002	0.002
07:00 PM - 08:00 PM	0.002	0.002	0.001	0.002	0.002	0.002	0.001
08:00 PM - 09:00 PM	0.004	0.002	0.002	0.003	0.003	0.004	0.002
09:00 PM - 10:00 PM	0.004	0.003	0.004	0.004	0.003	0.006	0.002
10:00 PM - 11:00 PM	0.004	0.003	0.003	0.004	0.004	0.007	0.002
11:00 PM - 12:00 AM	0.003	0.004	0.002	0.003	0.004	0.004	0.003
12:00 AM - 01:00 AM	0.002	0.004	0.004	0.005	0.004	0.003	0.003
01:00 AM - 02:00 AM	0.004	0.004	0.004	0.004	0.003	0.003	0.003
02:00 AM - 03:00 AM	0.004	0.004	0.004	0.003	0.002	0.003	0.004
03:00 AM - 04:00 AM	0.004	0.004	0.004	0.003	0.003	0.003	0.003
04:00 AM - 05:00 AM	0.002	0.002	0.005	0.006	0.003	0.003	0.003
05:00 AM - 06:00 AM	0.002	0.002	0.005	0.006	0.002	0.002	0.002
06:00 AM - 07:00 AM	0.004	0.003	0.006	0.006	0.003	0.002	0.002
07:00 AM - 08:00 AM	0.003	0.003	0.005	0.005	0.004	0.003	0.002
08:00 AM - 09:00 AM	0.003	0.002	0.005	0.004	0.004	0.004	0.003
09:00 AM - 10:00 AM	0.002	0.003	0.005	0.004	0.003	0.003	0.004
10:00 AM - 11:00 AM	0.001	0.003	0.003	0.004	0.002	0.002	0.003
Average	0.003	0.003	0.003	0.003	0.003	0.003	0.002
1hr - Maximum	0.004	0.004	0.006	0.006	0.004	0.007	0.004
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).

Reference Method : US EPA Method Part 50 App. F (Chemiluminescence)

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Tanyatorn Mongkonjirawut
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9044-21/ EMAIL

S:\Reports_Air SOxNOx.rpt (5:03PM)



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O : Check

Project Name : Monitoring

Project Location :

Lot ID: 2397235

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2767709-1

Page 1 of 1

Sample Description	Air Quality						
Location	บ้านวังตาลหมอน (Ban Wang Tan Mhon) (GPS 47P 0734200, 1432165)						
Parameter	Nitrogen dioxide (ppm)						
Measurement Date	Aug 22, 2023 - Aug 29, 2023						
Measurement by	Sawai Tonpho						
Time	2397235-15 Aug 22, 2023	2397235-16 Aug 23, 2023	2397235-17 Aug 24, 2023	2397235-18 Aug 25, 2023	2397235-19 Aug 26, 2023	2397235-20 Aug 27, 2023	2397235-21 Aug 28, 2023
09:00 AM - 10:00 AM	0.005	0.005	0.007	0.007	0.003	0.005	0.004
10:00 AM - 11:00 AM	0.006	0.004	0.007	0.006	0.002	0.004	0.003
11:00 AM - 12:00 PM	0.001	0.003	0.004	0.004	0.003	0.002	0.002
12:00 PM - 01:00 PM	0.004	0.002	0.003	0.004	0.004	0.002	0.003
01:00 PM - 02:00 PM	0.003	0.002	0.002	0.006	0.002	0.003	0.002
02:00 PM - 03:00 PM	0.002	0.002	0.002	0.003	0.002	0.002	0.002
03:00 PM - 04:00 PM	0.002	0.004	0.002	0.003	0.002	0.001	0.003
04:00 PM - 05:00 PM	0.003	0.004	0.002	0.006	0.002	0.002	0.005
05:00 PM - 06:00 PM	0.003	0.005	0.002	0.006	0.002	0.005	0.003
06:00 PM - 07:00 PM	0.003	0.005	0.003	0.007	0.004	0.005	0.004
07:00 PM - 08:00 PM	0.005	0.006	0.004	0.005	0.006	0.008	0.006
08:00 PM - 09:00 PM	0.006	0.006	0.006	0.004	0.006	0.009	0.004
09:00 PM - 10:00 PM	0.006	0.006	0.006	0.005	0.005	0.010	0.006
10:00 PM - 11:00 PM	0.006	0.006	0.007	0.008	0.005	0.008	0.004
11:00 PM - 12:00 AM	0.004	0.007	0.008	0.004	0.006	0.005	0.005
12:00 AM - 01:00 AM	0.001	0.008	0.008	0.009	0.004	0.005	0.006
01:00 AM - 02:00 AM	0.003	0.006	0.007	0.006	0.004	0.005	0.010
02:00 AM - 03:00 AM	0.003	0.006	0.006	0.006	0.004	0.006	0.009
03:00 AM - 04:00 AM	0.004	0.005	0.005	0.005	0.004	0.006	0.008
04:00 AM - 05:00 AM	0.004	0.004	0.004	0.006	0.003	0.004	0.007
05:00 AM - 06:00 AM	0.004	0.004	0.005	0.005	0.003	0.004	0.003
06:00 AM - 07:00 AM	0.004	0.004	0.006	0.005	0.003	0.004	0.003
07:00 AM - 08:00 AM	0.004	0.003	0.005	0.004	0.004	0.006	0.004
08:00 AM - 09:00 AM	0.004	0.005	0.007	0.004	0.004	0.008	0.007
Average	0.004	0.005	0.005	0.005	0.004	0.005	0.005
1hr - Maximum	0.006	0.008	0.008	0.009	0.006	0.010	0.010
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).

Reference Method : US EPA Method Part 50 App. F (Chemiluminescence)

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Tanyatorn Mongkonjirawut
Supervisor

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S:\Reports_Air SOxNOx.rpt (5:04PM)



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O : Check

Project Name : Monitoring

Project Location :

Lot ID: 2397235

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2767711-1

Page 1 of 1

Sample Description	Air Quality						
Location	บ้านบางยางพอน (Ban Map Yang Porn) (GPS 47P 0731355, 1436975)						
Parameter	Nitrogen dioxide (ppm)						
Measurement Date	Aug 22, 2023 - Aug 29, 2023						
Measurement by	Sawai Tonpho						
Time	2397235-22 Aug 22, 2023	2397235-23 Aug 23, 2023	2397235-24 Aug 24, 2023	2397235-25 Aug 25, 2023	2397235-26 Aug 26, 2023	2397235-27 Aug 27, 2023	2397235-28 Aug 28, 2023
12:00 PM - 01:00 PM	0.006	0.004	0.004	0.006	0.009	0.005	0.008
01:00 PM - 02:00 PM	0.005	0.006	0.003	0.005	0.009	0.006	0.007
02:00 PM - 03:00 PM	0.006	0.007	0.002	0.004	0.008	0.008	0.004
03:00 PM - 04:00 PM	0.005	0.008	0.004	0.003	0.007	0.005	0.003
04:00 PM - 05:00 PM	0.005	0.006	0.003	0.003	0.005	0.009	0.002
05:00 PM - 06:00 PM	0.004	0.004	0.004	0.003	0.005	0.005	0.002
06:00 PM - 07:00 PM	0.004	0.004	0.002	0.003	0.005	0.006	0.003
07:00 PM - 08:00 PM	0.004	0.006	0.002	0.004	0.006	0.008	0.003
08:00 PM - 09:00 PM	0.003	0.003	0.003	0.003	0.006	0.005	0.009
09:00 PM - 10:00 PM	0.004	0.003	0.003	0.004	0.006	0.003	0.011
10:00 PM - 11:00 PM	0.005	0.006	0.002	0.005	0.005	0.003	0.008
11:00 PM - 12:00 AM	0.006	0.005	0.004	0.006	0.004	0.003	0.006
12:00 AM - 01:00 AM	0.002	0.007	0.006	0.006	0.004	0.003	0.006
01:00 AM - 02:00 AM	0.004	0.010	0.006	0.006	0.006	0.003	0.005
02:00 AM - 03:00 AM	0.003	0.009	0.006	0.007	0.006	0.004	0.006
03:00 AM - 04:00 AM	0.003	0.008	0.006	0.007	0.006	0.005	0.006
04:00 AM - 05:00 AM	0.005	0.008	0.004	0.005	0.006	0.003	0.004
05:00 AM - 06:00 AM	0.002	0.004	0.004	0.006	0.006	0.004	0.004
06:00 AM - 07:00 AM	0.003	0.004	0.004	0.006	0.007	0.006	0.002
07:00 AM - 08:00 AM	0.003	0.004	0.004	0.005	0.007	0.006	0.002
08:00 AM - 09:00 AM	0.004	0.007	0.005	0.005	0.008	0.005	0.003
09:00 AM - 10:00 AM	0.004	0.004	0.005	0.005	0.007	0.006	0.005
10:00 AM - 11:00 AM	0.002	0.005	0.005	0.004	0.007	0.004	0.005
11:00 AM - 12:00 PM	0.004	0.005	0.005	0.003	0.005	0.006	0.008
Average	0.004	0.006	0.004	0.005	0.006	0.005	0.005
1hr - Maximum	0.006	0.010	0.006	0.007	0.009	0.009	0.011
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).

Reference Method : US EPA Method Part 50 App. F (Chemiluminescence)

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S:\Reports_Air SOxNOx.rpt (5:04PM)



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397419

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2767714-1

Page 1 of 1

Sample Description	Air Quality						
Location	บ้านบางไผ่ (Ban Phusai) (GPS 47P 0725767, 1434359)						
Parameter	Sulfur Dioxide (ppm)						
Measurement Date	Aug 22, 2023 - Aug 29, 2023						
Measurement by	Sawai Tonpho						
Time	2397419-1 Aug 22, 2023	2397419-2 Aug 23, 2023	2397419-3 Aug 24, 2023	2397419-4 Aug 25, 2023	2397419-5 Aug 26, 2023	2397419-6 Aug 27, 2023	2397419-7 Aug 28, 2023
10:00 AM - 11:00 AM	0.003	0.003	0.003	0.005	0.003	0.004	0.003
11:00 AM - 12:00 PM	0.003	0.003	0.004	0.004	0.003	0.003	0.004
12:00 PM - 01:00 PM	0.003	0.004	0.003	0.004	0.003	0.003	0.003
01:00 PM - 02:00 PM	0.003	0.004	0.003	0.004	0.003	0.004	0.003
02:00 PM - 03:00 PM	0.004	0.004	0.003	0.004	0.003	0.003	0.004
03:00 PM - 04:00 PM	0.004	0.004	0.003	0.003	0.003	0.004	0.004
04:00 PM - 05:00 PM	0.004	0.004	0.003	0.003	0.003	0.004	0.004
05:00 PM - 06:00 PM	0.004	0.003	0.003	0.003	0.003	0.004	0.003
06:00 PM - 07:00 PM	0.004	0.003	0.003	0.003	0.003	0.004	0.003
07:00 PM - 08:00 PM	0.003	0.003	0.003	0.003	0.003	0.003	0.003
08:00 PM - 09:00 PM	0.003	0.003	0.003	0.003	0.003	0.004	0.003
09:00 PM - 10:00 PM	0.003	0.003	0.003	0.003	0.003	0.004	0.003
10:00 PM - 11:00 PM	0.003	0.003	0.003	0.003	0.004	0.004	0.003
11:00 PM - 12:00 AM	0.003	0.003	0.003	0.003	0.004	0.004	0.004
12:00 AM - 01:00 AM	0.003	0.003	0.003	0.003	0.004	0.004	0.004
01:00 AM - 02:00 AM	0.002	0.003	0.003	0.003	0.004	0.004	0.003
02:00 AM - 03:00 AM	0.003	0.003	0.003	0.003	0.004	0.004	0.003
03:00 AM - 04:00 AM	0.003	0.003	0.003	0.003	0.003	0.003	0.003
04:00 AM - 05:00 AM	0.003	0.003	0.004	0.004	0.003	0.003	0.003
05:00 AM - 06:00 AM	0.003	0.003	0.004	0.004	0.003	0.004	0.003
06:00 AM - 07:00 AM	0.003	0.003	0.004	0.004	0.003	0.003	0.003
07:00 AM - 08:00 AM	0.003	0.003	0.004	0.005	0.004	0.003	0.003
08:00 AM - 09:00 AM	0.003	0.003	0.004	0.003	0.004	0.004	0.003
09:00 AM - 10:00 AM	0.003	0.003	0.005	0.003	0.003	0.004	0.003
Average	0.003	0.003	0.003	0.003	0.003	0.004	0.003
1hr - Maximum	0.004	0.004	0.005	0.005	0.004	0.004	0.004
Standard 1hr - Average	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Standard 24 hrs - Average	0.12	0.12	0.12	0.12	0.12	0.12	0.12

Standard : Notification of the National Environment Board No.10, 1995 (B.E.2538), No. 21, 2001 (B.E.2544) and No.24, 2004 (B.E.2547).

Reference Method : US EPA Method Part 53 and 58

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S:\Reports_Air SOxNOx.rpt (5:11PM)



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397419

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2767717-1

Page 1 of 1

Sample Description	Air Quality						
Location	บ้านหวายไคหนอ (Ban Huay Kai Nhow) (GPS 47P 0723848, 1430920)						
Parameter	Sulfur Dioxide (ppm)						
Measurement Date	Aug 22, 2023 - Aug 29, 2023						
Measurement by	Sawai Tonpho						
Time	2397419-8 Aug 22, 2023	2397419-9 Aug 23, 2023	2397419-10 Aug 24, 2023	2397419-11 Aug 25, 2023	2397419-12 Aug 26, 2023	2397419-13 Aug 27, 2023	2397419-14 Aug 28, 2023
11:00 AM - 12:00 PM	0.006	0.009	0.009	0.008	0.008	0.008	0.008
12:00 PM - 01:00 PM	0.005	0.009	0.009	0.008	0.008	0.008	0.007
01:00 PM - 02:00 PM	0.009	0.009	0.009	0.008	0.008	0.008	0.008
02:00 PM - 03:00 PM	0.009	0.009	0.009	0.008	0.008	0.008	0.008
03:00 PM - 04:00 PM	0.008	0.009	0.009	0.008	0.008	0.008	0.008
04:00 PM - 05:00 PM	0.008	0.009	0.009	0.008	0.008	0.008	0.008
05:00 PM - 06:00 PM	0.009	0.009	0.008	0.008	0.008	0.008	0.008
06:00 PM - 07:00 PM	0.009	0.009	0.008	0.008	0.008	0.008	0.009
07:00 PM - 08:00 PM	0.009	0.009	0.008	0.008	0.008	0.008	0.008
08:00 PM - 09:00 PM	0.009	0.009	0.008	0.008	0.008	0.008	0.008
09:00 PM - 10:00 PM	0.009	0.009	0.009	0.008	0.008	0.008	0.008
10:00 PM - 11:00 PM	0.009	0.009	0.008	0.008	0.008	0.008	0.008
11:00 PM - 12:00 AM	0.009	0.009	0.008	0.008	0.008	0.008	0.008
12:00 AM - 01:00 AM	0.009	0.009	0.008	0.008	0.008	0.008	0.008
01:00 AM - 02:00 AM	0.009	0.009	0.008	0.008	0.008	0.008	0.008
02:00 AM - 03:00 AM	0.009	0.009	0.008	0.008	0.008	0.008	0.008
03:00 AM - 04:00 AM	0.009	0.009	0.008	0.008	0.008	0.008	0.008
04:00 AM - 05:00 AM	0.009	0.009	0.008	0.008	0.008	0.008	0.008
05:00 AM - 06:00 AM	0.009	0.009	0.008	0.008	0.008	0.008	0.008
06:00 AM - 07:00 AM	0.009	0.009	0.008	0.008	0.008	0.008	0.008
07:00 AM - 08:00 AM	0.009	0.009	0.008	0.008	0.008	0.008	0.008
08:00 AM - 09:00 AM	0.009	0.009	0.008	0.008	0.008	0.008	0.008
09:00 AM - 10:00 AM	0.009	0.009	0.008	0.008	0.008	0.008	0.008
10:00 AM - 11:00 AM	0.009	0.009	0.008	0.008	0.008	0.008	0.008
Average	0.009	0.009	0.009	0.008	0.008	0.008	0.008
1hr - Maximum	0.009	0.009	0.009	0.008	0.008	0.008	0.009
Standard 1hr - Average	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Standard 24 hrs - Average	0.12	0.12	0.12	0.12	0.12	0.12	0.12

Standard : Notification of the National Environment Board No.10, 1995 (B.E.2538), No. 21, 2001 (B.E.2544) and No.24, 2004 (B.E.2547).

Reference Method : US EPA Method Part 53 and 58

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Supervisor

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397419

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2767719-1

Page 1 of 1

Sample Description	Air Quality						
Location	บ้านวังตาลหมอน (Ban Wang Tan Mhon) (GPS 47P 0734200, 1432165)						
Parameter	Sulfur Dioxide (ppm)						
Measurement Date	Aug 22, 2023 - Aug 29, 2023						
Measurement by	Sawai Tonpho						
Time	2397419-15 Aug 22, 2023	2397419-16 Aug 23, 2023	2397419-17 Aug 24, 2023	2397419-18 Aug 25, 2023	2397419-19 Aug 26, 2023	2397419-20 Aug 27, 2023	2397419-21 Aug 28, 2023
09:00 AM - 10:00 AM	0.004	0.004	0.004	0.004	0.003	0.003	0.003
10:00 AM - 11:00 AM	0.003	0.004	0.004	0.004	0.003	0.003	0.003
11:00 AM - 12:00 PM	0.002	0.003	0.004	0.003	0.002	0.003	0.002
12:00 PM - 01:00 PM	0.004	0.003	0.004	0.002	0.002	0.002	0.002
01:00 PM - 02:00 PM	0.003	0.002	0.003	0.002	0.002	0.002	0.002
02:00 PM - 03:00 PM	0.002	0.002	0.003	0.002	0.002	0.002	0.002
03:00 PM - 04:00 PM	0.004	0.002	0.002	0.002	0.002	0.002	0.004
04:00 PM - 05:00 PM	0.004	0.002	0.002	0.006	0.002	0.002	0.004
05:00 PM - 06:00 PM	0.002	0.002	0.002	0.006	0.002	0.002	0.002
06:00 PM - 07:00 PM	0.002	0.002	0.002	0.003	0.002	0.002	0.002
07:00 PM - 08:00 PM	0.002	0.002	0.002	0.002	0.002	0.002	0.001
08:00 PM - 09:00 PM	0.002	0.003	0.002	0.002	0.002	0.002	0.002
09:00 PM - 10:00 PM	0.003	0.003	0.003	0.002	0.002	0.002	0.002
10:00 PM - 11:00 PM	0.003	0.003	0.003	0.003	0.003	0.003	0.002
11:00 PM - 12:00 AM	0.003	0.003	0.004	0.003	0.003	0.003	0.002
12:00 AM - 01:00 AM	0.003	0.004	0.004	0.004	0.003	0.003	0.003
01:00 AM - 02:00 AM	0.003	0.004	0.004	0.004	0.004	0.003	0.003
02:00 AM - 03:00 AM	0.004	0.004	0.004	0.004	0.004	0.004	0.004
03:00 AM - 04:00 AM	0.003	0.004	0.004	0.004	0.003	0.003	0.004
04:00 AM - 05:00 AM	0.003	0.004	0.004	0.004	0.003	0.003	0.004
05:00 AM - 06:00 AM	0.003	0.004	0.004	0.004	0.003	0.003	0.004
06:00 AM - 07:00 AM	0.003	0.004	0.004	0.004	0.003	0.003	0.004
07:00 AM - 08:00 AM	0.004	0.004	0.004	0.004	0.003	0.003	0.003
08:00 AM - 09:00 AM	0.004	0.004	0.004	0.003	0.003	0.003	0.003
Average	0.003	0.003	0.003	0.003	0.003	0.003	0.003
1hr - Maximum	0.004	0.004	0.004	0.006	0.004	0.004	0.004
Standard 1hr - Average	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Standard 24 hrs - Average	0.12	0.12	0.12	0.12	0.12	0.12	0.12

Standard : Notification of the National Environment Board No.10, 1995 (B.E.2538), No. 21, 2001 (B.E.2544) and No.24, 2004 (B.E.2547).

Reference Method : US EPA Method Part 53 and 58

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Tanyatorn Mongkonjirawut
Supervisor

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9044-21/ EMAIL

S:\Reports_Air SOxNOx.rpt (5:05PM)



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397419

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2767720-1

Page 1 of 1

Sample Description	Air Quality						
Location	บ้านบางยางพอน (Ban Map Yang Porn) (GPS 47P 0731355, 1436975)						
Parameter	Sulfur Dioxide (ppm)						
Measurement Date	Aug 22, 2023 - Aug 29, 2023						
Measurement by	Sawai Tonpho						
Time	2397419-22 Aug 22, 2023	2397419-23 Aug 23, 2023	2397419-24 Aug 24, 2023	2397419-25 Aug 25, 2023	2397419-26 Aug 26, 2023	2397419-27 Aug 27, 2023	2397419-28 Aug 28, 2023
12:00 PM - 01:00 PM	0.005	0.004	0.005	0.005	0.006	0.005	0.006
01:00 PM - 02:00 PM	0.006	0.005	0.006	0.005	0.006	0.005	0.006
02:00 PM - 03:00 PM	0.006	0.005	0.006	0.005	0.006	0.005	0.005
03:00 PM - 04:00 PM	0.006	0.005	0.006	0.005	0.006	0.005	0.005
04:00 PM - 05:00 PM	0.006	0.005	0.005	0.005	0.005	0.005	0.005
05:00 PM - 06:00 PM	0.006	0.005	0.005	0.006	0.005	0.005	0.005
06:00 PM - 07:00 PM	0.006	0.006	0.005	0.006	0.005	0.005	0.005
07:00 PM - 08:00 PM	0.006	0.006	0.005	0.005	0.005	0.005	0.005
08:00 PM - 09:00 PM	0.006	0.005	0.005	0.005	0.005	0.005	0.005
09:00 PM - 10:00 PM	0.006	0.005	0.005	0.005	0.005	0.005	0.005
10:00 PM - 11:00 PM	0.005	0.005	0.005	0.005	0.005	0.005	0.005
11:00 PM - 12:00 AM	0.005	0.005	0.004	0.005	0.005	0.005	0.005
12:00 AM - 01:00 AM	0.004	0.005	0.004	0.005	0.005	0.005	0.005
01:00 AM - 02:00 AM	0.004	0.005	0.004	0.005	0.005	0.005	0.005
02:00 AM - 03:00 AM	0.004	0.005	0.004	0.005	0.005	0.005	0.005
03:00 AM - 04:00 AM	0.004	0.005	0.004	0.005	0.005	0.005	0.005
04:00 AM - 05:00 AM	0.004	0.005	0.004	0.004	0.006	0.005	0.004
05:00 AM - 06:00 AM	0.004	0.006	0.005	0.005	0.006	0.004	0.006
06:00 AM - 07:00 AM	0.004	0.006	0.005	0.004	0.006	0.004	0.005
07:00 AM - 08:00 AM	0.004	0.006	0.005	0.005	0.004	0.005	0.005
08:00 AM - 09:00 AM	0.004	0.005	0.005	0.005	0.005	0.005	0.005
09:00 AM - 10:00 AM	0.004	0.004	0.005	0.005	0.005	0.005	0.005
10:00 AM - 11:00 AM	0.004	0.005	0.005	0.005	0.005	0.005	0.006
11:00 AM - 12:00 PM	0.004	0.005	0.005	0.006	0.005	0.006	0.006
Average	0.005	0.005	0.005	0.005	0.005	0.005	0.005
1hr - Maximum	0.006	0.006	0.006	0.006	0.006	0.006	0.006
Standard 1hr - Average	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Standard 24 hrs - Average	0.12	0.12	0.12	0.12	0.12	0.12	0.12

Standard : Notification of the National Environment Board No.10, 1995 (B.E.2538), No. 21, 2001 (B.E.2544) and No.24, 2004 (B.E.2547).

Reference Method : US EPA Method Part 53 and 58

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Tanyatorn Mongkonjirawut
Supervisor

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397236

Date Received : Aug 30, 2023

Date Reported : Sep 07, 2023

Report Number : 2751114-1

Page 1 of 2

Sample Number	2397236-1 to 7																				
Parameter	Wind Speed / Wind Direction																				
Location	บ้านพุสไ (Ban Phusai) (GPS 47P 0725767, 1434359)																				
Sampling Date	Aug 22 - Aug 29, 2023																				
Sampling by	Sawai Tonpho																				
Time	Aug 22 - Aug 23, 2023			Aug 23 - Aug 24, 2023			Aug 24 - Aug 25, 2023			Aug 25 - Aug 26, 2023			Aug 26 - Aug 27, 2023			Aug 27 - Aug 28, 2023			Aug 28 - Aug 29, 2023		
	WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)	
10:00 AM - 11:00 AM	0.4	263.0	W	1.7	221.0	SW	2.4	215.0	SW	0.0	-	-	1.8	219.0	SW	1.2	270.0	W	2.4	213.0	SSW
11:00 AM - 12:00 PM	0.6	251.0	WSW	0.0	-	-	3.4	239.0	WSW	4.2	301.0	WNW	0.5	219.0	SW	0.0	-	-	0.7	208.0	SSW
12:00 PM - 01:00 PM	0.3	270.0	W	1.7	227.0	SW	3.7	230.0	SW	1.9	183.0	S	2.5	211.0	SSW	0.3	191.0	S	1.1	222.0	SW
01:00 PM - 02:00 PM	0.3	191.0	S	4.4	233.0	SW	1.7	224.0	SW	0.7	277.0	W	4.0	306.0	NW	3.3	310.0	NW	1.0	200.0	SSW
02:00 PM - 03:00 PM	1.9	277.0	W	2.7	202.0	SSW	0.6	263.0	W	3.5	234.0	SW	3.6	295.0	WNW	3.5	308.0	NW	0.0	-	-
03:00 PM - 04:00 PM	1.0	240.0	WSW	2.2	257.0	WSW	0.4	202.0	SSW	0.0	-	-	1.5	227.0	SW	1.0	271.0	W	0.0	-	-
04:00 PM - 05:00 PM	2.8	316.0	NW	1.2	226.0	SW	0.7	223.0	SW	0.0	-	-	1.3	300.0	WNW	0.5	291.0	WNW	0.2	-	-
05:00 PM - 06:00 PM	1.5	199.0	SSW	0.6	204.0	SSW	2.7	178.0	S	1.3	307.0	NW	0.5	316.0	NW	0.0	-	-	1.7	214.0	SW
06:00 PM - 07:00 PM	1.0	221.0	SW	1.5	213.0	SSW	2.5	207.0	SSW	0.0	-	-	0.0	-	-	0.0	-	-	0.6	225.0	SW
07:00 PM - 08:00 PM	1.2	194.0	SSW	0.8	219.0	SW	1.3	217.0	SW	0.7	226.0	SW	0.0	-	-	0.0	-	-	2.5	184.0	S
08:00 PM - 09:00 PM	1.2	204.0	SSW	0.0	-	-	5.2	293.0	WNW	1.1	210.0	SSW	0.5	208.0	SSW	0.0	-	-	2.3	227.0	SW
09:00 PM - 10:00 PM	0.0	-	-	0.3	187.0	S	0.0	-	-	0.5	319.0	NW	0.0	-	-	0.7	212.0	SSW	1.0	183.0	S
10:00 PM - 11:00 PM	1.0	260.0	W	0.0	-	-	0.0	-	-	0.1	-	-	0.0	-	-	0.0	-	-	0.1	-	-
11:00 PM - 12:00 AM	0.5	220.0	SW	0.0	-	-	0.2	-	-	0.0	-	-	0.0	-	-	0.4	222.0	SW	0.0	-	-
12:00 AM - 01:00 AM	0.0	-	-	0.0	-	-	0.3	344.0	NNW	0.0	-	-	0.2	-	-	0.3	221.0	SW	0.3	182.0	S
01:00 AM - 02:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.2	-	-	0.3	227.0	SW	0.0	-	-	0.1	-	-
02:00 AM - 03:00 AM	0.1	-	-	0.2	-	-	0.0	-	-	0.3	171.0	S	0.1	-	-	0.2	-	-	0.4	254.0	WSW
03:00 AM - 04:00 AM	0.2	-	-	0.3	225.0	SW	0.2	-	-	0.1	-	-	0.1	-	-	0.1	-	-	0.3	227.0	SW
04:00 AM - 05:00 AM	0.0	-	-	0.1	-	-	0.1	-	-	0.0	-	-	0.2	-	-	0.2	-	-	0.0	-	-
05:00 AM - 06:00 AM	0.3	262.0	W	0.0	-	-	0.0	-	-	0.2	-	-	0.3	223.0	SW	0.3	292.0	WNW	0.2	-	-
06:00 AM - 07:00 AM	0.1	-	-	1.4	202.0	SSW	0.0	-	-	0.3	174.0	S	0.0	-	-	0.0	-	-	0.2	-	-
07:00 AM - 08:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.1	-	-	0.0	-	-	0.0	-	-	0.0	-	-
08:00 AM - 09:00 AM	0.0	-	-	0.0	-	-	0.5	214.0	SW	0.0	-	-	0.0	-	-	2.6	253.0	WSW	0.9	222.0	SW
09:00 AM - 10:00 AM	1.4	215.0	SW	0.0	-	-	0.6	221.0	SW	1.8	225.0	SW	0.3	220.0	SW	0.5	267.0	W	0.5	226.0	SW

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporm, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397236

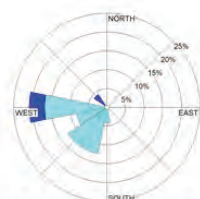
Date Received : Aug 30, 2023

Date Reported : Sep 07, 2023

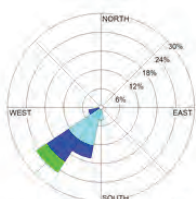
Report Number : 2751114-1

Page 2 of 2

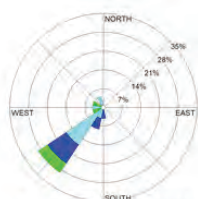
Wind Rose



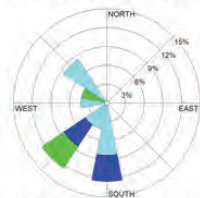
Date : Aug 22-23, 2023



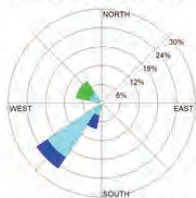
Date : Aug 23-24, 2023



Date : Aug 24-25, 2023



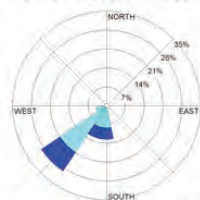
Date : Aug 25-26, 2023



Date : Aug 26-27, 2023



Date : Aug 27-28, 2023



Date : Aug 28-29, 2023



Date : Aug 22-29, 2023

WS(m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	5.95
1.7-3.3	11.31
0.3-1.7	36.31
Calms	46.43

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Approved by

Sarayuth Jitranont
Assistant General Manager

ภาคผนวก ค-3

คุณภาพน้ำทิ้ง



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O : _Check

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 2369334

Date Received : Jul 04, 2023

Date Reported : Jul 11, 2023

Report Number : 2690314-1

Page 1 of 1

Sample Number	2369334-1						
Sampled Date	Jul 04, 2023 1:01 PM						
Sample Description	Wastewater						
Location	บ่อกักน้ำทิ้งของโครงการ (Sum Pit)						
Date Analysis Commenced	Jul 04, 2023						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	19.5	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	97	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH (on site) *		-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	796	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	13	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.76, B.E. 2560 : Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant

Sampling By : Pathompong Kornasawat ทะเบียนเลขที่ ว-323-จ-9468 , Samart Khumplee ทะเบียนเลขที่ ว-204-จ-7830

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

N. Banngkit

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

Approved by

D. Chanchon

Dej Chanchon

Senior Manager

ทะเบียนเลขที่ ว-323-จ-9442

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S:\Reports\All_GL_rpt (3:22PM)



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O : _Check

Project Name : Monitoring

Project Location :



TESTING
No.0009

Lot ID: 2369334

Date Received : Jul 04, 2023

Date Reported : Jul 11, 2023

Report Number : 2690314-2

Page 1 of 1

Sample Number	2369334-1						
Sampled Date	Jul 04, 2023 1:01 PM						
Sample Description	Wastewater						
Location	บ่อกักน้ำทิ้งของโครงการ (Sum Pit)						
Date Analysis Commenced	Jul 05, 2023						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.76, B.E. 2560 : Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant

Sampling By : Pathompong Kornasawat ทะเบียนเลขที่ ว-323-จ-9468 , Samart Khumplee ทะเบียนเลขที่ ว-204-จ-7830

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Sawitree N.

Sawitree Noisangiam

Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

Kanokkorn Anek

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-จ-6111

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O : _Check

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 2369334

Date Received : Jul 04, 2023

Date Reported : Jul 11, 2023

Report Number : 2690314-3

Page 1 of 1

Sample Number	2369334-1						
Sampled Date	Jul 04, 2023 1:01 PM						
Sample Description	Wastewater						
Location	บ่อพักน้ำทิ้งของโครงการ (Sum Pit)						
Date Analysis Commenced	Jul 04, 2023						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Flow rate *	m3/s	-	-	0.001	No Standard	Flow meter	Rayong
Fluoride	mg/L	0.05	0.2	1.2	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-F (C)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.76, B.E. 2560 : Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant

Sampling By : Pathompong Kornawat , Samart Khumphlee

Remark :

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Approved by

N. Banchongkit

Narumon Banchongkit
Supervisor

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Client : UACJ (Thailand) Co., Ltd.

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Thailand 21140

P/O :

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 2384508

Date Received : Aug 08, 2023

Date Reported : Aug 16, 2023

Report Number : 2722904-1

Page 1 of 1

Sample Number	2384508-1						
Sampled Date	Aug 08, 2023 1:10 PM						
Sample Description	Wastewater						
Location	บ่อพักน้ำทิ้งของโครงการ (Sum Pit)						
Date Analysis Commenced	Aug 08, 2023						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	27.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	95	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH (on site) *		-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	832	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	12	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.76, B.E. 2560 : Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant

Sampling By : Pitthaya Thongtaeng ทะเบียนเลขที่ ๖-323-๖-9448 , Panupong Manit ทะเบียนเลขที่ ๖-204-๖-8600

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Technical Management

N. Banchongkit

Narumon Banchongkit
Supervisor

ทะเบียนเลขที่ ๖-323-๖-9445

Approved by

D. Chanchon

Dej Chanchon
Senior Manager

ทะเบียนเลขที่ ๖-323-๖-9442

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7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name : Monitoring

Project Location :



TESTING
No.0009

Lot ID: 2384508

Date Received : Aug 08, 2023

Date Reported : Aug 16, 2023

Report Number : 2722904-2

Page 1 of 1

Sample Number	2384508-1						
Sampled Date	Aug 08, 2023 1:10 PM						
Sample Description	Wastewater						
Location	บ่อพักน้ำทิ้งของโครงการ (Sum Pit)						
Date Analysis Commenced	Aug 09, 2023						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.76, B.E. 2560 : Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant

Sampling By : Pitthaya Thongtaeng ทะเบียนเลขที่ ๖-323-๖-9448 , Panupong Manit ทะเบียนเลขที่ ๖-204-๖-8600

Remark :

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Technical Management

Savitree N.

Savitree Noisangiam
Manager

ทะเบียนเลขที่ ๖-204-๖-4709

Approved by

Kanokorn Anek

Kanokorn Anek
Senior Manager

ทะเบียนเลขที่ ๖-204-๖-6111

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Thailand 21140

P/O :

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 2384508

Date Received : Aug 08, 2023

Date Reported : Aug 16, 2023

Report Number : 2722904-3

Page 1 of 1

Sample Number	2384508-1						
Sampled Date	Aug 08, 2023 1:10 PM						
Sample Description	Wastewater						
Location	บ่อพักน้ำทิ้งของโครงการ (Sum Pit)						
Date Analysis Commenced	Aug 08, 2023						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Flow rate *	m3/s	-	-	0.001	No Standard	Flow meter	Rayong
Fluoride	mg/L	0.05	0.2	0.4	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-F (C)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.76, B.E. 2560 : Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant

Sampling By : Pitthaya Thongtaeng , Panupong Manit

Remark :

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N. Banchongkit

Narumon Banchongkit
Supervisor

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Thailand 21140

P/O :

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 2392351

Date Received : Sep 05, 2023

Date Reported : Sep 12, 2023

Report Number : 2739770-1

Page 1 of 1

Sample Number	2392351-1						
Sampled Date	Sep 05, 2023 1:00 PM						
Sample Description	Wastewater						
Location	บ่อกักน้ำทิ้งของโครงการ (Sum Pit)						
Date Analysis Commenced	Sep 05, 2023						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	44.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	222	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH (on site) *		-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1020	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	11	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.76, B.E. 2560 : Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant

Sampling By : Paramet Sattayakun ทะเบียนเลขที่ ว-323-จ-9476 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

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Technical Management

N. Banongkit

Narumon Banhongkit
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

Approved by

D. Chanchon

Dej Chanchon
Senior Manager

ทะเบียนเลขที่ ว-323-จ-9442

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name : Monitoring

Project Location :



TESTING
No.0009

Lot ID: 2392351

Date Received : Sep 05, 2023

Date Reported : Sep 12, 2023

Report Number : 2739770-2

Page 1 of 1

Sample Number	2392351-1						
Sampled Date	Sep 05, 2023 1:00 PM						
Sample Description	Wastewater						
Location	บ่อกักน้ำทิ้งของโครงการ (Sum Pit)						
Date Analysis Commenced	Sep 07, 2023						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.76, B.E. 2560 : Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant

Sampling By : Paramet Sattayakun ทะเบียนเลขที่ ว-323-จ-9476 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

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Technical Management

Sawitree N.

Sawitree Noisangiam
Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

Kanokkorn Anek

Kanokkorn Anek
Senior Manager

ทะเบียนเลขที่ ว-204-จ-6111

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Analysis / Test Report

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Thailand 21140

P/O :

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 2392351

Date Received : Sep 05, 2023

Date Reported : Sep 12, 2023

Report Number : 2739770-3

Page 1 of 1

Sample Number	2392351-1						
Sampled Date	Sep 05, 2023 1:00 PM						
Sample Description	Wastewater						
Location	บ่อพักน้ำทิ้งของโครงการ (Sum Pit)						
Date Analysis Commenced	Sep 05, 2023						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Flow rate *	m3/s	-	-	0.002	No Standard	Flow meter	Rayong
Fluoride	mg/L	0.05	0.2	0.3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-F (C)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.76, B.E. 2560 : Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant

Sampling By : Paramet Sattayakun , Pattarapol Sawangjaitam

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Approved by

N. Banchoangkit

Narumon Banchongkit
Supervisor

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Thailand 21140

P/O :

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 2311244

Date Received : Oct 10, 2023

Date Reported : Oct 18, 2023

Report Number : 2785868-1

Page 1 of 1

Sample Number	2311244-1						
Sampled Date	Oct 10, 2023 1:10 PM						
Sample Description	Wastewater						
Location	บ่อพักน้ำทิ้งของโครงการ (Sum Pit)						
Date Analysis Commenced	Oct 10, 2023						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	15.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	86	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH (on site) *		-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1028	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	16	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.76, B.E. 2560 : Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant

Sampling By : Tanasit Wongsachai ทะเบียนเลขที่ ๖-323-๖-9460 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ๖-204-๖-0002

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Technical Management

N. Banchoangkit

Narumon Banchongkit
Supervisor

ทะเบียนเลขที่ ๖-323-๖-9445

Approved by

D. Chanchon

Dej Chanchon
Senior Manager

ทะเบียนเลขที่ ๖-323-๖-9442

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Analysis / Test Report

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Thailand 21140

P/O :

Project Name : Monitoring

Project Location :



TESTING
No.0009

Lot ID: 2311244

Date Received : Oct 10, 2023

Date Reported : Oct 18, 2023

Report Number : 2785868-2

Page 1 of 1

Sample Number	2311244-1						
Sampled Date	Oct 10, 2023 1:10 PM						
Sample Description	Wastewater						
Location	บ่อฟักน้ำทิ้งของโครงการ (Sum Pit)						
Date Analysis Commenced	Oct 11, 2023						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Hexavalent Chromium	mg/L	0.003	0.01	<0.01	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.76, B.E. 2560 : Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant

Sampling By : Tanasit Wongsachai ทะเบียนเลขที่ ๖-323-๖-9460 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ๖-204-๖-0002

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Technical Management

Chanatt L.

Chanattagarn Imchom

Section Head

ทะเบียนเลขที่ ๖-204-๖-4710

Approved by

Kanokorn Anek

Kanokorn Anek

Senior Manager

ทะเบียนเลขที่ ๖-204-๖-6111

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 2311244

Date Received : Oct 10, 2023

Date Reported : Oct 18, 2023

Report Number : 2785868-3

Page 1 of 1

Sample Number	2311244-1						
Sampled Date	Oct 10, 2023 1:10 PM						
Sample Description	Wastewater						
Location	บ่อฟักน้ำทิ้งของโครงการ (Sum Pit)						
Date Analysis Commenced	Oct 10, 2023						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Flow rate *	m3/s	-	-	0.003	No Standard	Flow meter	Rayong
Fluoride	mg/L	0.05	0.2	0.8	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-F (C)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.76, B.E. 2560 : Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant

Sampling By : Tanasit Wongsachai , Pattarapol Sawangjaitam

Remark :

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 23123510

Date Received : Nov 07, 2023

Date Reported : Nov 14, 2023

Report Number : 2814573-1

Page 1 of 1

Sample Number	23123510-1						
Sampled Date	Nov 07, 2023 1:20 PM						
Sample Description	Wastewater						
Location	บ่อกักน้ำทิ้งของโครงการ (Sum Pit)						
Date Analysis Commenced	Nov 07, 2023						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	18.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	171	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH (on site) *		-	-	7.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	710	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	18	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.76, B.E. 2560 : Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant

Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-จ-0011 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

Remark :

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Technical Management

N. Banphit

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

D. Chanson

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-จ-9442

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name : Monitoring

Project Location :



TESTING
No.0009

Lot ID: 23123510

Date Received : Nov 07, 2023

Date Reported : Nov 14, 2023

Report Number : 2814573-2

Page 1 of 1

Sample Number	23123510-1						
Sampled Date	Nov 07, 2023 1:20 PM						
Sample Description	Wastewater						
Location	บ่อกักน้ำทิ้งของโครงการ (Sum Pit)						
Date Analysis Commenced	Nov 08, 2023						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.76, B.E. 2560 : Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant

Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-จ-0011 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

Remark :

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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Sawitree N.

Sawitree Noisangiam
Manager
ทะเบียนเลขที่ ว-204-จ-4709

Approved by

Kanok Korn Anek

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-6111

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Thailand 21140

P/O :

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 23123510

Date Received : Nov 07, 2023

Date Reported : Nov 14, 2023

Report Number : 2814573-3

Page 1 of 1

Sample Number	23123510-1						
Sampled Date	Nov 07, 2023 1:20 PM						
Sample Description	Wastewater						
Location	บ่อพักน้ำทิ้งของโครงการ (Sum Pit)						
Date Analysis Commenced	Nov 07, 2023						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Flow rate *	m3/s	-	-	0.0002	No Standard	Flow meter	Rayong
Fluoride	mg/L	0.05	0.2	0.3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-F (C)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.76, B.E. 2560 : Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant

Sampling By : Surawit Narapong , Samart Khumphlee

Remark :

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Approved by

N. Banongkit

Narumon Banchongkit
Supervisor

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

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Thailand 21140

P/O :

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 23134781

Date Received : Dec 12, 2023

Date Reported : Dec 19, 2023

Report Number : 2840242-1

Page 1 of 1

Sample Number	23134781-1						
Sampled Date	Dec 12, 2023 1:10 PM						
Sample Description	Wastewater						
Location	บ่อพักน้ำทิ้งของโครงการ (Sum Pit)						
Date Analysis Commenced	Dec 12, 2023						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	9.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	57	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH (on site) *		-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	712	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	14	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.76, B.E. 2560 : Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant

Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-จ-0011 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

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Technical Management

N. Banongkit

Narumon Banchongkit
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager

ทะเบียนเลขที่ ว-323-จ-9442

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Analysis / Test Report

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Thailand 21140

P/O :

Project Name : Monitoring

Project Location :



TESTING
No.0009

Lot ID: 23134781

Date Received : Dec 12, 2023

Date Reported : Dec 19, 2023

Report Number : 2840242-2

Page 1 of 1

Sample Number	23134781-1						
Sampled Date	Dec 12, 2023 1:10 PM						
Sample Description	Wastewater						
Location	บ่อกักน้ำทิ้งของโครงการ (Sum Pit)						
Date Analysis Commenced	Dec 14, 2023						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.76, B.E. 2560 : Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant

Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-จ-0011 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

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Technical Management

Sawitree N.

Sawitree Noisangiam
Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

Kanokkorn Anek

Kanokkorn Anek
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Thailand 21140

P/O :

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 23134781

Date Received : Dec 12, 2023

Date Reported : Dec 19, 2023

Report Number : 2840242-3

Page 1 of 1

Sample Number	23134781-1						
Sampled Date	Dec 12, 2023 1:10 PM						
Sample Description	Wastewater						
Location	บ่อกักน้ำทิ้งของโครงการ (Sum Pit)						
Date Analysis Commenced	Dec 12, 2023						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Flow rate *	m3/s	-	-	0.000	No Standard	Flow meter	Rayong
Fluoride	mg/L	0.05	0.2	0.3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-F (C)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.76, B.E. 2560 : Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant

Sampling By : Surawit Narapong , Pattarapol Sawangjaitam

Remark :

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Approved by

N. Banhongkit

Narumon Banchongkit
Supervisor

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Analysis / Test Report

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Thailand 21140

P/O :

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 2368439

Date Received : Jul 04, 2023

Date Reported : Jul 11, 2023

Report Number : 2685411-1

Page 1 of 1

Sample Number	2368439-1						
Sampled Date	Jul 04, 2023 1:05 PM						
Sample Description	Wastewater						
Location	บ่อกักน้ำทิ้งของโครงการ (Sum Pit 2)						
Date Analysis Commenced	Jul 04, 2023						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	36	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Oil & Grease *	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH (on site) *		-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	596	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.76, B.E. 2560 : Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant

Sampling By : Pathompong Kornasawat ทะเบียนเลขที่ ว-323-จ-9468 , Samart Khumplee ทะเบียนเลขที่ ว-204-จ-7830

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Technical Management

N. Banongkit

Narumon Banchongkit
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

Approved by

D. Chanchon

Dej Chanchon
Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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Thailand 21140

P/O :

Project Name : Monitoring

Project Location :



TESTING
No.0009

Lot ID: 2368439

Date Received : Jul 04, 2023

Date Reported : Jul 11, 2023

Report Number : 2685411-2

Page 1 of 1

Sample Number	2368439-1						
Sampled Date	Jul 04, 2023 1:05 PM						
Sample Description	Wastewater						
Location	บ่อกักน้ำทิ้งของโครงการ (Sum Pit 2)						
Date Analysis Commenced	Jul 05, 2023						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.76, B.E. 2560 : Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant

Sampling By : Pathompong Kornasawat ทะเบียนเลขที่ ว-323-จ-9468 , Samart Khumplee ทะเบียนเลขที่ ว-204-จ-7830

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Technical Management

Savitree N.

Savitree Noisangiam
Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

Kanokkorn Anek

Kanokkorn Anek
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 2368439

Date Received : Jul 04, 2023

Date Reported : Jul 11, 2023

Report Number : 2685411-3

Page 1 of 1

Sample Number	2368439-1						
Sampled Date	Jul 04, 2023 1:05 PM						
Sample Description	Wastewater						
Location	บ่อพักน้ำทิ้งของโครงการ (Sum Pit 2)						
Date Analysis Commenced	Jul 04, 2023						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Flow rate *	m ³ /s	-	-	0.001	No Standard	Flow meter	Rayong
Fluoride	mg/L	0.05	0.2	0.4	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-F (C)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.76, B.E. 2560 : Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant

Sampling By : Pathompong Kornawat , Samart Khumphlee

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

N. Banchongkit

Narumon Banchongkit
Supervisor

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 2384510

Date Received : Aug 08, 2023

Date Reported : Aug 16, 2023

Report Number : 2722912-1

Page 1 of 1

Sample Number	2384510-1						
Sampled Date	Aug 08, 2023 1:25 PM						
Sample Description	Wastewater						
Location	บ่อพักน้ำทิ้งของโครงการ (Sum Pit 2)						
Date Analysis Commenced	Aug 08, 2023						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	38	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH (on site) *		-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	552	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.76, B.E. 2560 : Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant

Sampling By : Pitthaya Thongtaeng ทะเบียนเลขที่ ๖-323-๖-9448 , Panupong Manit ทะเบียนเลขที่ ๖-204-๖-8600

Remark :

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Technical Management

N. Banchongkit

Narumon Banchongkit
Supervisor

ทะเบียนเลขที่ ๖-323-๖-9445

Approved by

D. Chanchon

Dej Chanchon
Senior Manager

ทะเบียนเลขที่ ๖-323-๖-9442

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name : Monitoring

Project Location :



TESTING
No.0009

Lot ID: 2384510

Date Received : Aug 08, 2023

Date Reported : Aug 16, 2023

Report Number : 2722912-2

Page 1 of 1

Sample Number	2384510-1						
Sampled Date	Aug 08, 2023 1:25 PM						
Sample Description	Wastewater						
Location	บ่อฟักน้ำทิ้งของโครงการ (Sum Pit 2)						
Date Analysis Commenced	Aug 09, 2023						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.76, B.E. 2560 : Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant

Sampling By : Pitthaya Thongtaeng ทะเบียนเลขที่ ๖-323-๖-9448 , Panupong Manit ทะเบียนเลขที่ ๖-204-๖-8600

Remark :

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Technical Management

Savitree N.

Savitree Noisangiam
Manager

ทะเบียนเลขที่ ๖-204-๖-4709

Approved by

Kanokorn Anek

Kanokkorn Anek
Senior Manager

ทะเบียนเลขที่ ๖-204-๖-6111

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 2384510

Date Received : Aug 08, 2023

Date Reported : Aug 16, 2023

Report Number : 2722912-3

Page 1 of 1

Sample Number	2384510-1						
Sampled Date	Aug 08, 2023 1:25 PM						
Sample Description	Wastewater						
Location	บ่อฟักน้ำทิ้งของโครงการ (Sum Pit 2)						
Date Analysis Commenced	Aug 08, 2023						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Flow rate *	m3/s	-	-	0.001	No Standard	Flow meter	Rayong
Fluoride	mg/L	0.05	0.2	0.4	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-F (C)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.76, B.E. 2560 : Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant

Sampling By : Pitthaya Thongtaeng , Panupong Manit

Remark :

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Approved by

N. Banchongkit

Narumon Banchongkit
Supervisor

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

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Thailand 21140

P/O :

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 2392354

Date Received : Sep 05, 2023

Date Reported : Sep 12, 2023

Report Number : 2739774-1

Page 1 of 1

Sample Number	2392354-1						
Sampled Date	Sep 05, 2023 1:15 PM						
Sample Description	Wastewater						
Location	บ่อกักน้ำทิ้งของโครงการ (Sum Pit 2)						
Date Analysis Commenced	Sep 05, 2023						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Physical Property	Yellow, some odour, solid and no turbid						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	40	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH (on site) *		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	676	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.76, B.E. 2560 : Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant

Sampling By : Paramet Sattayakun ทะเบียนเลขที่ ว-323-จ-9476 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

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Technical Management

N. Banongkit

Narumon Banhongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

Approved by

D. Chanchon

Dej Chanchon

Senior Manager

ทะเบียนเลขที่ ว-323-จ-9442

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

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Thailand 21140

P/O :

Project Name : Monitoring

Project Location :



TESTING
No.0009

Lot ID: 2392354

Date Received : Sep 05, 2023

Date Reported : Sep 12, 2023

Report Number : 2739774-2

Page 1 of 1

Sample Number	2392354-1						
Sampled Date	Sep 05, 2023 1:15 PM						
Sample Description	Wastewater						
Location	บ่อกักน้ำทิ้งของโครงการ (Sum Pit 2)						
Date Analysis Commenced	Sep 07, 2023						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Physical Property	Yellow, some odour, solid and no turbid						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.76, B.E. 2560 : Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant

Sampling By : Paramet Sattayakun ทะเบียนเลขที่ ว-323-จ-9476 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

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Technical Management

Sawitree N.

Sawitree Noisangiam

Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

Kanokkorn Anek

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-จ-6111

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Analysis / Test Report

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Thailand 21140

P/O :

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 2392354

Date Received : Sep 05, 2023

Date Reported : Sep 12, 2023

Report Number : 2739774-3

Page 1 of 1

Sample Number	2392354-1						
Sampled Date	Sep 05, 2023 1:15 PM						
Sample Description	Wastewater						
Location	บ่อฟักน้ำทิ้งของโครงการ (Sum Pit 2)						
Date Analysis Commenced	Sep 05, 2023						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Physical Property	Yellow, some odour, solid and no turbid						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Flow rate *	m3/s	-	-	0.002	No Standard	Flow meter	Rayong
Fluoride	mg/L	0.05	0.2	0.4	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-F (C)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.76, B.E. 2560 : Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant

Sampling By : Paramet Sattayakun , Pattarapol Sawangjaitam

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N. Banchoangkit

Narumon Banchongkit
Supervisor

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Thailand 21140

P/O : 4500031685

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 23111258

Date Received : Oct 10, 2023

Date Reported : Oct 18, 2023

Report Number : 2785869-1

Page 1 of 1

Sample Number	23111258-1						
Sampled Date	Oct 10, 2023 1:30 PM						
Sample Description	Wastewater						
Location	บ่อฟักน้ำทิ้งของโครงการ (Sum Pit 2)						
Date Analysis Commenced	Oct 10, 2023						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Physical Property	Yellow, some odour, solid and a lot of turbid						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	4.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	53	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH (on site) *		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	576	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	5	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.76, B.E. 2560 : Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant

Sampling By : Tanasit Wongsachai ทะเบียนเลขที่ ๖-323-๖-9460 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ๖-204-๖-0002

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Technical Management

N. Banchoangkit

Narumon Banchongkit
Supervisor

ทะเบียนเลขที่ ๖-323-๖-9445

Approved by

D. Chanchon

Dej Chanchon
Senior Manager

ทะเบียนเลขที่ ๖-323-๖-9442

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Analysis / Test Report

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Thailand 21140

P/O : 4500031685

Project Name : Monitoring

Project Location :



TESTING
No.0009

Lot ID: 23111258

Date Received : Oct 10, 2023

Date Reported : Oct 18, 2023

Report Number : 2785869-2

Page 1 of 1

Sample Number	23111258-1						
Sampled Date	Oct 10, 2023 1:30 PM						
Sample Description	Wastewater						
Location	บ่อพักน้ำทิ้งของโครงการ (Sum Pit 2)						
Date Analysis Commenced	Oct 11, 2023						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Physical Property	Yellow, some odour, solid and a lot of turbid						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.76, B.E. 2560 : Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant

Sampling By : Tanasit Wongsachai ทะเบียนเลขที่ ๖-323-๖-9460 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ๖-204-๖-0002

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Chanatt L.

Chanattagarn Imchorn

Section Head

ทะเบียนเลขที่ ๖-204-๖-4710

Approved by

Kanokkorn Anek

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ๖-204-๖-6111

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O : 4500031685

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 23111258

Date Received : Oct 10, 2023

Date Reported : Oct 18, 2023

Report Number : 2785869-3

Page 1 of 1

Sample Number	23111258-1						
Sampled Date	Oct 10, 2023 1:30 PM						
Sample Description	Wastewater						
Location	บ่อพักน้ำทิ้งของโครงการ (Sum Pit 2)						
Date Analysis Commenced	Oct 10, 2023						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Physical Property	Yellow, some odour, solid and a lot of turbid						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Flow rate *	m3/s	-	-	0.003	No Standard	Flow meter	Rayong
Fluoride	mg/L	0.05	0.2	0.4	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-F (C)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.76, B.E. 2560 : Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant

Sampling By : Tanasit Wongsachai , Pattarapol Sawangjaitam

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

N. Banongkit

Narumon Banchongkit

Supervisor

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name : Monitoring

Project Location :



TESTING
No.0009

Lot ID: 23123515

Date Received : Nov 07, 2023

Date Reported : Nov 14, 2023

Report Number : 2814576-2

Page 1 of 1

Sample Number	23123515-1						
Sampled Date	Nov 07, 2023 1:32 PM						
Sample Description	Wastewater						
Location	บ่อกักน้ำทิ้งของโครงการ (Sum Pit 2)						
Date Analysis Commenced	Nov 08, 2023						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Physical Property	Yellow, some odour, solid and a lot of turbid						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.76, B.E. 2560 : Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant

Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-จ-0011 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Sawitree N.

Sawitree Noisangiam
Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

Kanokkorn Anek

Kanokkorn Anek
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 23123515

Date Received : Nov 07, 2023

Date Reported : Nov 14, 2023

Report Number : 2814576-3

Page 1 of 1

Sample Number	23123515-1						
Sampled Date	Nov 07, 2023 1:32 PM						
Sample Description	Wastewater						
Location	บ่อกักน้ำทิ้งของโครงการ (Sum Pit 2)						
Date Analysis Commenced	Nov 07, 2023						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Physical Property	Yellow, some odour, solid and a lot of turbid						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Flow rate *	m3/s	-	-	0.0002	No Standard	Flow meter	Rayong
Fluoride	mg/L	0.05	0.2	0.4	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-F (C)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.76, B.E. 2560 : Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant

Sampling By : Surawit Narapong , Samart Khumphlee

Remark :

- LOD : Limit of Detection
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Approved by

N. Banongkit

Narumon Banchongkit
Supervisor

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

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Thailand 21140

P/O :

Project Name : Monitoring

Project Location :



TESTING
No.0042

Lot ID: 23134783

Date Received : Dec 12, 2023

Date Reported : Dec 19, 2023

Report Number : 2840244-1

Page 1 of 1

Sample Number	23134783-1						
Sampled Date	Dec 12, 2023 1:20 PM						
Sample Description	Wastewater						
Location	บ่อกักน้ำทิ้งของโครงการ (Sum Pit 2)						
Date Analysis Commenced	Dec 12, 2023						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	2.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	46	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH (on site) *		-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	584	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.76, B.E. 2560 : Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant

Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-จ-0011 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

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Technical Management

N. Banphit

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-จ-9442

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Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 23134783

Date Received : Dec 12, 2023

Date Reported : Dec 19, 2023

Report Number : 2840244-3

Page 1 of 1

Sample Number	23134783-1						
Sampled Date	Dec 12, 2023 1:20 PM						
Sample Description	Wastewater						
Location	บ่อกักน้ำทิ้งของโครงการ (Sum Pit 2)						
Date Analysis Commenced	Dec 12, 2023						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Flow rate	m3/s	-	-	0.0002	No Standard	Flow meter	Rayong
Fluoride	mg/L	0.05	0.2	0.4	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-F (C)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.76, B.E. 2560 : Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant

Sampling By : Surawit Narapong , Pattarapol Sawangjaitam

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

N. Banphit

Narumon Banchongkit
Supervisor

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ภาคผนวก ค-4

ระดับเสียงในบรรยากาศโดยทั่วไป



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397237

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2766715-1

Page 1 of 1

Sample Number	2397237-1
Parameter	Noise (Leq 24 hrs.)
Location	ด้านทิศใต้ของโครงการ (GPS 47P 0727094, 1432212)
Measurement Date	Aug 22 - Aug 23, 2023
Measurement by	Sawai Tonpho
Sound Level meter	Serial No. 623393

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	48.3	79.2	45.6
03:00 PM - 04:00 PM	47.0	66.7	44.2
04:00 PM - 05:00 PM	46.6	59.7	44.4
05:00 PM - 06:00 PM	46.5	75.4	43.9
06:00 PM - 07:00 PM	47.2	64.2	44.7
07:00 PM - 08:00 PM	48.8	76.5	46.1
08:00 PM - 09:00 PM	51.2	63.3	50.1
09:00 PM - 10:00 PM	51.3	70.5	49.6
10:00 PM - 11:00 PM	58.1	88.7	54.3
11:00 PM - 12:00 AM	50.0	65.2	49.3
12:00 AM - 01:00 AM	54.3	61.1	51.7
01:00 AM - 02:00 AM	55.4	59.7	52.5
02:00 AM - 03:00 AM	53.2	57.3	51.3
03:00 AM - 04:00 AM	52.1	55.6	51.3
04:00 AM - 05:00 AM	52.1	58.9	51.1
05:00 AM - 06:00 AM	53.6	58.9	51.7
06:00 AM - 07:00 AM	53.5	65.8	51.0
07:00 AM - 08:00 AM	48.9	63.0	47.5
08:00 AM - 09:00 AM	48.3	64.9	46.4
09:00 AM - 10:00 AM	46.7	64.8	44.5
10:00 AM - 11:00 AM	45.6	63.1	43.7
11:00 AM - 12:00 PM	44.6	60.2	42.7
12:00 PM - 01:00 PM	44.1	59.4	41.8
01:00 PM - 02:00 PM	44.4	64.6	42.1

Leq Average 24 hrs. (dB(A))	51.3		
Lmax (dB(A))		88.7	
L90 (dB(A))			46.4
Ldn (dB(A))	60.1		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supt S.

Supot Salamteh
Section Head

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Analysis / Test Report

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7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397237

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2766716-1

Page 1 of 1

Sample Number	2397237-2
Parameter	Noise (Leq 24 hrs.)
Location	ด้านทิศใต้ของโครงการ (GPS 47P 0727094, 1432212)
Measurement Date	Aug 23 - Aug 24, 2023
Measurement by	Sawai Tonpho
Sound Level meter	Serial No. 623393

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	46.4	73.3	44.0
03:00 PM - 04:00 PM	46.3	62.5	44.0
04:00 PM - 05:00 PM	45.5	57.9	43.7
05:00 PM - 06:00 PM	47.0	67.8	43.9
06:00 PM - 07:00 PM	48.3	69.2	44.7
07:00 PM - 08:00 PM	47.5	70.0	45.4
08:00 PM - 09:00 PM	51.0	71.0	49.7
09:00 PM - 10:00 PM	52.4	60.6	51.3
10:00 PM - 11:00 PM	50.6	56.5	49.7
11:00 PM - 12:00 AM	52.8	61.3	50.5
12:00 AM - 01:00 AM	56.7	60.1	54.8
01:00 AM - 02:00 AM	58.5	80.8	52.5
02:00 AM - 03:00 AM	47.5	59.0	46.7
03:00 AM - 04:00 AM	47.9	55.1	47.0
04:00 AM - 05:00 AM	48.8	54.1	47.9
05:00 AM - 06:00 AM	50.3	55.8	49.3
06:00 AM - 07:00 AM	49.3	58.3	48.2
07:00 AM - 08:00 AM	47.0	59.5	45.8
08:00 AM - 09:00 AM	50.0	66.3	47.8
09:00 AM - 10:00 AM	48.8	67.5	46.4
10:00 AM - 11:00 AM	48.2	64.1	46.0
11:00 AM - 12:00 PM	47.8	64.5	45.6
12:00 PM - 01:00 PM	45.2	68.2	43.1
01:00 PM - 02:00 PM	45.4	61.6	43.0

Leq Average 24 hrs. (dB(A))	50.8		
Lmax (dB(A))		80.8	
L90 (dB(A))			46.4
Ldn (dB(A))	59.1		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supt S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397237

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2766717-1

Page 1 of 1

Sample Number	2397237-3
Parameter	Noise (Leq 24 hrs.)
Location	ด้านทิศใต้ของโครงการ (GPS 47P 0727094, 1432212)
Measurement Date	Aug 24 - Aug 25, 2023
Measurement by	Sawai Tonpho
Sound Level meter	Serial No. 623393

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	49.0	71.6	47.1
03:00 PM - 04:00 PM	46.1	64.6	43.9
04:00 PM - 05:00 PM	50.8	66.8	46.3
05:00 PM - 06:00 PM	48.2	70.5	45.8
06:00 PM - 07:00 PM	47.8	61.8	45.9
07:00 PM - 08:00 PM	47.3	67.5	45.6
08:00 PM - 09:00 PM	49.8	66.3	48.1
09:00 PM - 10:00 PM	48.0	65.3	46.3
10:00 PM - 11:00 PM	48.3	56.7	47.6
11:00 PM - 12:00 AM	47.3	53.3	46.7
12:00 AM - 01:00 AM	48.3	59.0	47.2
01:00 AM - 02:00 AM	46.4	61.1	45.6
02:00 AM - 03:00 AM	47.3	61.4	46.5
03:00 AM - 04:00 AM	47.7	53.2	47.0
04:00 AM - 05:00 AM	48.0	57.0	47.0
05:00 AM - 06:00 AM	48.2	57.8	47.4
06:00 AM - 07:00 AM	49.1	66.0	48.0
07:00 AM - 08:00 AM	48.5	62.1	47.4
08:00 AM - 09:00 AM	48.7	67.9	45.9
09:00 AM - 10:00 AM	47.6	63.5	44.8
10:00 AM - 11:00 AM	50.0	70.0	46.6
11:00 AM - 12:00 PM	59.0	87.0	49.9
12:00 PM - 01:00 PM	54.9	80.5	46.5
01:00 PM - 02:00 PM	51.0	76.7	46.9

Leq Average 24 hrs. (dB(A))	50.5		
Lmax (dB(A))		87.0	
L90 (dB(A))			46.6
Ldn (dB(A))	55.0		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supt S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397237

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2766718-1

Page 1 of 1

Sample Number	2397237-4
Parameter	Noise (Leq 24 hrs.)
Location	ด้านทิศใต้ของโครงการ (GPS 47P 0727094, 1432212)
Measurement Date	Aug 25 - Aug 26, 2023
Measurement by	Sawai Tonpho
Sound Level meter	Serial No. 623393

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	53.1	81.8	48.6
03:00 PM - 04:00 PM	51.9	74.0	47.5
04:00 PM - 05:00 PM	52.1	71.6	50.0
05:00 PM - 06:00 PM	49.0	64.5	47.2
06:00 PM - 07:00 PM	48.5	67.9	46.1
07:00 PM - 08:00 PM	48.1	58.5	46.7
08:00 PM - 09:00 PM	59.5	76.5	55.4
09:00 PM - 10:00 PM	54.3	67.7	50.7
10:00 PM - 11:00 PM	48.2	61.8	46.6
11:00 PM - 12:00 AM	48.1	56.2	47.2
12:00 AM - 01:00 AM	48.8	56.8	48.0
01:00 AM - 02:00 AM	48.8	56.9	47.9
02:00 AM - 03:00 AM	49.3	60.5	48.4
03:00 AM - 04:00 AM	49.3	57.8	48.3
04:00 AM - 05:00 AM	50.2	56.4	49.3
05:00 AM - 06:00 AM	52.6	68.6	50.2
06:00 AM - 07:00 AM	48.6	59.7	46.6
07:00 AM - 08:00 AM	48.0	62.2	46.0
08:00 AM - 09:00 AM	48.6	61.0	45.6
09:00 AM - 10:00 AM	46.6	61.5	44.7
10:00 AM - 11:00 AM	47.2	60.2	45.8
11:00 AM - 12:00 PM	46.8	68.6	44.7
12:00 PM - 01:00 PM	44.1	56.9	42.8
01:00 PM - 02:00 PM	45.0	57.8	43.5

Leq Average 24 hrs. (dB(A))	51.0		
Lmax (dB(A))		81.8	
L90 (dB(A))			47.2
Ldn (dB(A))	56.3		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supt S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397237

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2766719-1

Page 1 of 1

Sample Number	2397237-5
Parameter	Noise (Leq 24 hrs.)
Location	ด้านทิศใต้ของโครงการ (GPS 47P 0727094, 1432212)
Measurement Date	Aug 26 - Aug 27, 2023
Measurement by	Sawai Tonpho
Sound Level meter	Serial No. 623393

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	47.1	58.8	45.4
03:00 PM - 04:00 PM	46.0	60.2	44.2
04:00 PM - 05:00 PM	44.9	67.0	42.8
05:00 PM - 06:00 PM	48.6	70.1	44.3
06:00 PM - 07:00 PM	46.6	65.8	43.6
07:00 PM - 08:00 PM	52.5	59.7	50.7
08:00 PM - 09:00 PM	55.2	65.4	53.1
09:00 PM - 10:00 PM	55.3	68.2	52.8
10:00 PM - 11:00 PM	55.4	66.1	53.1
11:00 PM - 12:00 AM	52.2	60.1	49.2
12:00 AM - 01:00 AM	55.6	66.3	51.6
01:00 AM - 02:00 AM	47.3	59.3	45.1
02:00 AM - 03:00 AM	56.2	61.9	53.5
03:00 AM - 04:00 AM	56.6	60.8	54.0
04:00 AM - 05:00 AM	54.7	71.2	51.8
05:00 AM - 06:00 AM	55.1	70.2	51.7
06:00 AM - 07:00 AM	48.8	64.2	45.0
07:00 AM - 08:00 AM	45.7	61.7	43.5
08:00 AM - 09:00 AM	46.2	61.1	43.1
09:00 AM - 10:00 AM	49.4	70.0	42.9
10:00 AM - 11:00 AM	44.8	57.4	42.8
11:00 AM - 12:00 PM	44.7	59.5	42.4
12:00 PM - 01:00 PM	44.6	62.3	42.2
01:00 PM - 02:00 PM	45.7	58.9	42.7

Leq Average 24 hrs. (dB(A))	52.1		
Lmax (dB(A))		71.2	
L90 (dB(A))			45.0
Ldn (dB(A))	60.4		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
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Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supt S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397237

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2766720-1

Page 1 of 1

Sample Number	2397237-6
Parameter	Noise (Leq 24 hrs.)
Location	ด้านทิศใต้ของโครงการ (GPS 47P 0727094, 1432212)
Measurement Date	Aug 27 - Aug 28, 2023
Measurement by	Sawai Tonpho
Sound Level meter	Serial No. 623393

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	43.8	57.1	41.6
03:00 PM - 04:00 PM	45.1	59.6	42.9
04:00 PM - 05:00 PM	44.7	59.9	43.1
05:00 PM - 06:00 PM	44.4	57.6	42.5
06:00 PM - 07:00 PM	45.7	60.2	43.9
07:00 PM - 08:00 PM	48.2	63.7	47.0
08:00 PM - 09:00 PM	59.3	65.8	56.5
09:00 PM - 10:00 PM	49.0	59.6	47.4
10:00 PM - 11:00 PM	49.0	66.6	46.7
11:00 PM - 12:00 AM	47.7	54.9	46.0
12:00 AM - 01:00 AM	49.9	64.6	47.3
01:00 AM - 02:00 AM	49.0	64.1	46.3
02:00 AM - 03:00 AM	51.7	60.0	48.5
03:00 AM - 04:00 AM	55.7	60.8	53.1
04:00 AM - 05:00 AM	53.3	61.1	50.6
05:00 AM - 06:00 AM	56.7	65.1	54.5
06:00 AM - 07:00 AM	47.0	63.3	44.9
07:00 AM - 08:00 AM	46.9	63.3	44.7
08:00 AM - 09:00 AM	48.3	70.2	45.6
09:00 AM - 10:00 AM	55.4	88.6	50.1
10:00 AM - 11:00 AM	52.2	69.8	49.2
11:00 AM - 12:00 PM	50.9	66.7	48.4
12:00 PM - 01:00 PM	44.3	58.8	42.6
01:00 PM - 02:00 PM	49.6	66.0	47.9

Leq Average 24 hrs. (dB(A))	51.7		
Lmax (dB(A))		88.6	
L90 (dB(A))			46.7
Ldn (dB(A))	58.7		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
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Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supt S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397237

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2766721-1

Page 1 of 1

Sample Number	2397237-7
Parameter	Noise (Leq 24 hrs.)
Location	ด้านทิศใต้ของโครงการ (GPS 47P 0727094, 1432212)
Measurement Date	Aug 28 - Aug 29, 2023
Measurement by	Sawai Tonpho
Sound Level meter	Serial No. 623393

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	53.8	77.1	49.9
03:00 PM - 04:00 PM	51.8	72.3	47.5
04:00 PM - 05:00 PM	51.1	69.4	48.5
05:00 PM - 06:00 PM	50.1	62.7	47.7
06:00 PM - 07:00 PM	49.4	62.0	46.8
07:00 PM - 08:00 PM	49.9	69.2	48.3
08:00 PM - 09:00 PM	51.7	62.2	50.2
09:00 PM - 10:00 PM	50.8	63.8	49.0
10:00 PM - 11:00 PM	49.8	63.1	48.7
11:00 PM - 12:00 AM	53.8	60.6	51.6
12:00 AM - 01:00 AM	55.1	62.7	52.8
01:00 AM - 02:00 AM	47.8	65.9	45.9
02:00 AM - 03:00 AM	53.2	69.7	50.3
03:00 AM - 04:00 AM	56.0	60.9	53.1
04:00 AM - 05:00 AM	53.8	60.5	51.8
05:00 AM - 06:00 AM	52.8	65.6	50.1
06:00 AM - 07:00 AM	48.2	62.5	46.6
07:00 AM - 08:00 AM	48.1	58.8	46.5
08:00 AM - 09:00 AM	48.6	64.6	45.7
09:00 AM - 10:00 AM	49.0	74.8	45.2
10:00 AM - 11:00 AM	48.6	69.8	44.9
11:00 AM - 12:00 PM	46.2	71.6	43.2
12:00 PM - 01:00 PM	44.1	57.6	42.6
01:00 PM - 02:00 PM	47.6	67.4	44.2

Leq Average 24 hrs. (dB(A))	51.4		
Lmax (dB(A))		77.1	
L90 (dB(A))			47.7
Ldn (dB(A))	59.1		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supt S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397237

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2766722-1

Page 1 of 1

Sample Number	2397237-8
Parameter	Noise (Leq 24 hrs.)
Location	ด้านทิศตะวันออกของโครงการ (GPS 47P 0727793, 1433011)
Measurement Date	Aug 22 - Aug 23, 2023
Measurement by	Sawai Tonpho
Sound Level meter	Serial No. 623389

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	60.7	77.1	55.4
03:00 PM - 04:00 PM	60.4	79.5	54.5
04:00 PM - 05:00 PM	60.7	80.6	55.2
05:00 PM - 06:00 PM	60.9	79.8	56.8
06:00 PM - 07:00 PM	59.8	78.7	55.4
07:00 PM - 08:00 PM	62.1	77.6	57.2
08:00 PM - 09:00 PM	61.4	81.1	57.2
09:00 PM - 10:00 PM	59.6	86.8	57.0
10:00 PM - 11:00 PM	58.0	78.1	55.6
11:00 PM - 12:00 AM	56.0	72.4	53.3
12:00 AM - 01:00 AM	54.9	73.4	52.9
01:00 AM - 02:00 AM	54.0	69.1	52.3
02:00 AM - 03:00 AM	54.7	71.2	52.4
03:00 AM - 04:00 AM	53.8	68.3	52.3
04:00 AM - 05:00 AM	55.0	75.4	52.8
05:00 AM - 06:00 AM	57.9	81.1	53.9
06:00 AM - 07:00 AM	61.7	79.0	56.8
07:00 AM - 08:00 AM	65.0	86.2	58.9
08:00 AM - 09:00 AM	63.4	83.1	58.2
09:00 AM - 10:00 AM	60.3	78.2	55.4
10:00 AM - 11:00 AM	62.3	88.6	56.2
11:00 AM - 12:00 PM	61.1	81.4	55.4
12:00 PM - 01:00 PM	59.8	77.3	54.2
01:00 PM - 02:00 PM	60.1	87.7	55.1

Leq Average 24 hrs. (dB(A))	60.3		
Lmax (dB(A))		88.6	
L90 (dB(A))			55.4
Ldn (dB(A))	64.4		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
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Technical Management

Thanita K.

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Scientist (4)

Approved by

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Supot Salamteh
Section Head

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397237

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2766723-1

Page 1 of 1

Sample Number	2397237-9
Parameter	Noise (Leq 24 hrs.)
Location	ด้านทิศตะวันออกของโครงการ (GPS 47P 0727793, 1433011)
Measurement Date	Aug 23 - Aug 24, 2023
Measurement by	Sawai Tonpho
Sound Level meter	Serial No. 623389

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	60.9	77.7	55.8
03:00 PM - 04:00 PM	61.9	82.6	56.1
04:00 PM - 05:00 PM	61.2	80.6	55.8
05:00 PM - 06:00 PM	62.4	90.0	57.8
06:00 PM - 07:00 PM	59.5	78.4	55.7
07:00 PM - 08:00 PM	61.2	76.4	56.8
08:00 PM - 09:00 PM	61.1	84.2	56.8
09:00 PM - 10:00 PM	56.6	81.2	53.2
10:00 PM - 11:00 PM	55.8	75.2	52.7
11:00 PM - 12:00 AM	56.1	73.7	52.7
12:00 AM - 01:00 AM	56.5	76.3	52.9
01:00 AM - 02:00 AM	54.2	79.3	52.4
02:00 AM - 03:00 AM	53.7	71.1	52.2
03:00 AM - 04:00 AM	55.9	76.8	52.2
04:00 AM - 05:00 AM	55.1	77.9	52.4
05:00 AM - 06:00 AM	57.4	75.0	53.0
06:00 AM - 07:00 AM	61.5	78.4	56.5
07:00 AM - 08:00 AM	63.8	80.1	59.0
08:00 AM - 09:00 AM	62.6	82.0	58.3
09:00 AM - 10:00 AM	63.9	79.7	56.0
10:00 AM - 11:00 AM	62.4	86.2	55.9
11:00 AM - 12:00 PM	61.4	78.8	56.2
12:00 PM - 01:00 PM	60.2	77.0	54.2
01:00 PM - 02:00 PM	60.2	75.5	56.2

Leq Average 24 hrs. (dB(A))	60.4		
Lmax (dB(A))		90.0	
L90 (dB(A))			55.8
Ldn (dB(A))	64.4		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
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Technical Management

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Scientist (4)

Approved by

Supt S

Supot Salamteh
Section Head

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Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397237

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2766724-1

Page 1 of 1

Sample Number	2397237-10
Parameter	Noise (Leq 24 hrs.)
Location	ด้านทิศตะวันออกของโครงการ (GPS 47P 0727793, 1433011)
Measurement Date	Aug 24 - Aug 25, 2023
Measurement by	Sawai Tonpho
Sound Level meter	Serial No. 623389

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	61.3	74.7	56.8
03:00 PM - 04:00 PM	59.4	80.5	54.3
04:00 PM - 05:00 PM	61.1	82.1	55.7
05:00 PM - 06:00 PM	61.7	90.8	57.5
06:00 PM - 07:00 PM	59.7	76.9	55.7
07:00 PM - 08:00 PM	61.9	78.1	56.8
08:00 PM - 09:00 PM	61.5	80.4	57.0
09:00 PM - 10:00 PM	56.7	77.4	53.0
10:00 PM - 11:00 PM	54.7	71.4	52.0
11:00 PM - 12:00 AM	54.5	72.4	51.7
12:00 AM - 01:00 AM	53.5	68.9	51.6
01:00 AM - 02:00 AM	53.7	68.4	51.8
02:00 AM - 03:00 AM	54.0	77.2	51.7
03:00 AM - 04:00 AM	53.6	72.4	51.6
04:00 AM - 05:00 AM	53.1	66.1	51.6
05:00 AM - 06:00 AM	58.0	73.0	53.9
06:00 AM - 07:00 AM	61.2	77.0	56.3
07:00 AM - 08:00 AM	64.4	88.0	59.0
08:00 AM - 09:00 AM	62.6	80.5	57.8
09:00 AM - 10:00 AM	62.2	88.1	55.8
10:00 AM - 11:00 AM	60.2	78.6	55.0
11:00 AM - 12:00 PM	60.5	77.2	55.3
12:00 PM - 01:00 PM	58.6	76.4	54.4
01:00 PM - 02:00 PM	58.9	76.7	54.6

Leq Average 24 hrs. (dB(A))	59.8		
Lmax (dB(A))		90.8	
L90 (dB(A))			54.6
Ldn (dB(A))	63.7		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supt S

Supot Salamteh
Section Head

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397237

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2766725-1

Page 1 of 1

Sample Number	2397237-11
Parameter	Noise (Leq 24 hrs.)
Location	ด้านทิศตะวันออกของโครงการ (GPS 47P 0727793, 1433011)
Measurement Date	Aug 25 - Aug 26, 2023
Measurement by	Sawai Tonpho
Sound Level meter	Serial No. 623389

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	60.9	82.3	55.0
03:00 PM - 04:00 PM	59.9	80.9	54.7
04:00 PM - 05:00 PM	59.8	77.6	55.3
05:00 PM - 06:00 PM	61.6	82.6	57.7
06:00 PM - 07:00 PM	59.8	80.3	56.0
07:00 PM - 08:00 PM	61.6	79.7	56.8
08:00 PM - 09:00 PM	65.0	79.6	62.5
09:00 PM - 10:00 PM	57.7	70.4	55.1
10:00 PM - 11:00 PM	55.8	71.4	52.9
11:00 PM - 12:00 AM	55.3	72.5	52.3
12:00 AM - 01:00 AM	56.6	80.2	52.3
01:00 AM - 02:00 AM	54.5	72.9	52.1
02:00 AM - 03:00 AM	54.2	72.1	52.3
03:00 AM - 04:00 AM	53.7	67.7	52.1
04:00 AM - 05:00 AM	54.4	70.4	52.3
05:00 AM - 06:00 AM	57.3	76.3	53.1
06:00 AM - 07:00 AM	62.4	82.0	56.4
07:00 AM - 08:00 AM	64.7	82.3	59.8
08:00 AM - 09:00 AM	64.6	81.4	60.7
09:00 AM - 10:00 AM	60.3	78.8	56.3
10:00 AM - 11:00 AM	60.6	76.1	55.8
11:00 AM - 12:00 PM	59.7	79.4	55.7
12:00 PM - 01:00 PM	59.7	80.5	55.0
01:00 PM - 02:00 PM	59.0	76.6	55.2

Leq Average 24 hrs. (dB(A))	60.3		
Lmax (dB(A))		82.6	
L90 (dB(A))			55.1
Ldn (dB(A))	64.4		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397237

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2766726-1

Page 1 of 1

Sample Number	2397237-12
Parameter	Noise (Leq 24 hrs.)
Location	ด้านทิศตะวันออกของโครงการ (GPS 47P 0727793, 1433011)
Measurement Date	Aug 26 - Aug 27, 2023
Measurement by	Sawai Tonpho
Sound Level meter	Serial No. 623389

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	59.4	77.4	55.4
03:00 PM - 04:00 PM	58.9	77.2	55.3
04:00 PM - 05:00 PM	59.9	75.4	55.2
05:00 PM - 06:00 PM	61.2	76.9	56.8
06:00 PM - 07:00 PM	59.7	76.6	55.9
07:00 PM - 08:00 PM	61.1	85.9	56.8
08:00 PM - 09:00 PM	61.2	84.8	56.6
09:00 PM - 10:00 PM	57.8	81.0	52.7
10:00 PM - 11:00 PM	54.6	69.9	52.7
11:00 PM - 12:00 AM	55.2	75.2	52.7
12:00 AM - 01:00 AM	54.2	66.5	52.5
01:00 AM - 02:00 AM	54.6	74.4	52.4
02:00 AM - 03:00 AM	55.0	75.2	52.1
03:00 AM - 04:00 AM	53.5	71.0	52.0
04:00 AM - 05:00 AM	53.8	69.3	52.1
05:00 AM - 06:00 AM	58.9	76.0	52.8
06:00 AM - 07:00 AM	59.7	77.9	54.7
07:00 AM - 08:00 AM	62.8	90.3	57.0
08:00 AM - 09:00 AM	60.7	80.4	56.7
09:00 AM - 10:00 AM	57.3	76.6	53.9
10:00 AM - 11:00 AM	58.4	76.9	54.4
11:00 AM - 12:00 PM	58.3	77.6	54.6
12:00 PM - 01:00 PM	56.8	76.0	53.4
01:00 PM - 02:00 PM	58.3	82.1	54.4

Leq Average 24 hrs. (dB(A))	58.7		
Lmax (dB(A))		90.3	
L90 (dB(A))			54.4
Ldn (dB(A))	63.3		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397237

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2766727-1

Page 1 of 1

Sample Number	2397237-13
Parameter	Noise (Leq 24 hrs.)
Location	ด้านทิศตะวันออกของโครงการ (GPS 47P 0727793, 1433011)
Measurement Date	Aug 27 - Aug 28, 2023
Measurement by	Sawai Tonpho
Sound Level meter	Serial No. 623389

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	57.9	70.0	54.5
03:00 PM - 04:00 PM	59.1	81.0	54.5
04:00 PM - 05:00 PM	58.3	78.7	54.3
05:00 PM - 06:00 PM	59.0	77.2	54.1
06:00 PM - 07:00 PM	58.8	80.1	54.0
07:00 PM - 08:00 PM	60.0	78.4	55.0
08:00 PM - 09:00 PM	59.1	77.6	55.2
09:00 PM - 10:00 PM	55.5	73.0	52.7
10:00 PM - 11:00 PM	55.9	76.0	52.3
11:00 PM - 12:00 AM	56.6	76.8	52.2
12:00 AM - 01:00 AM	55.4	72.3	52.5
01:00 AM - 02:00 AM	53.2	69.4	51.8
02:00 AM - 03:00 AM	53.5	70.6	52.1
03:00 AM - 04:00 AM	53.7	68.2	52.2
04:00 AM - 05:00 AM	54.8	71.2	52.6
05:00 AM - 06:00 AM	58.9	78.1	53.5
06:00 AM - 07:00 AM	61.3	82.7	56.4
07:00 AM - 08:00 AM	63.8	82.1	58.8
08:00 AM - 09:00 AM	62.4	78.0	57.6
09:00 AM - 10:00 AM	60.1	78.2	56.4
10:00 AM - 11:00 AM	60.2	75.8	56.3
11:00 AM - 12:00 PM	60.9	77.9	56.7
12:00 PM - 01:00 PM	59.4	77.8	54.6
01:00 PM - 02:00 PM	58.4	74.2	55.0

Leq Average 24 hrs. (dB(A))	59.0		
Lmax (dB(A))		82.7	
L90 (dB(A))			54.3
Ldn (dB(A))	63.8		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supt S.

Supot Salamteh
Section Head

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P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397237

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2766728-1

Page 1 of 1

Sample Number	2397237-14
Parameter	Noise (Leq 24 hrs.)
Location	ด้านทิศตะวันออกของโครงการ (GPS 47P 0727793, 1433011)
Measurement Date	Aug 28 - Aug 29, 2023
Measurement by	Sawai Tonpho
Sound Level meter	Serial No. 623389

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	60.2	77.6	55.1
03:00 PM - 04:00 PM	58.5	75.3	54.8
04:00 PM - 05:00 PM	60.2	84.5	55.3
05:00 PM - 06:00 PM	61.3	81.6	57.3
06:00 PM - 07:00 PM	60.9	84.8	56.6
07:00 PM - 08:00 PM	61.5	77.7	57.1
08:00 PM - 09:00 PM	61.0	80.4	56.7
09:00 PM - 10:00 PM	55.7	81.1	52.4
10:00 PM - 11:00 PM	54.7	78.6	51.7
11:00 PM - 12:00 AM	55.1	80.4	51.6
12:00 AM - 01:00 AM	56.5	76.0	52.3
01:00 AM - 02:00 AM	54.7	78.8	52.1
02:00 AM - 03:00 AM	54.1	71.0	52.0
03:00 AM - 04:00 AM	54.3	70.5	52.0
04:00 AM - 05:00 AM	56.4	80.7	52.1
05:00 AM - 06:00 AM	59.6	74.4	53.6
06:00 AM - 07:00 AM	61.6	81.0	56.2
07:00 AM - 08:00 AM	64.1	84.0	58.8
08:00 AM - 09:00 AM	62.1	83.1	57.7
09:00 AM - 10:00 AM	61.1	79.6	56.6
10:00 AM - 11:00 AM	59.7	80.0	55.8
11:00 AM - 12:00 PM	59.4	77.9	54.9
12:00 PM - 01:00 PM	58.4	76.6	53.9
01:00 PM - 02:00 PM	58.6	75.6	54.6

Leq Average 24 hrs. (dB(A))	59.6		
Lmax (dB(A))		84.8	
L90 (dB(A))			54.8
Ldn (dB(A))	64.2		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

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Thanita Kulsuriwong
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Approved by

Supt S.

Supot Salamteh
Section Head

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7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397237

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2766729-1

Page 1 of 1

Sample Number	2397237-15
Parameter	Noise (Leq 24 hrs.)
Location	ด้านทิศตะวันตกของโครงการ (GPS 47P 0727204, 1433094)
Measurement Date	Aug 22 - Aug 23, 2023
Measurement by	Sawai Tonpho
Sound Level meter	Serial No. 623391

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	55.5	77.9	53.2
03:00 PM - 04:00 PM	55.5	68.7	53.5
04:00 PM - 05:00 PM	55.8	73.0	54.0
05:00 PM - 06:00 PM	55.0	67.2	54.1
06:00 PM - 07:00 PM	60.2	76.6	55.9
07:00 PM - 08:00 PM	58.8	75.1	56.3
08:00 PM - 09:00 PM	60.6	68.5	58.9
09:00 PM - 10:00 PM	59.9	88.2	57.8
10:00 PM - 11:00 PM	59.4	73.9	57.5
11:00 PM - 12:00 AM	58.7	66.2	57.6
12:00 AM - 01:00 AM	59.4	65.4	58.4
01:00 AM - 02:00 AM	59.5	67.1	58.1
02:00 AM - 03:00 AM	57.1	65.3	55.9
03:00 AM - 04:00 AM	61.2	66.8	59.5
04:00 AM - 05:00 AM	60.2	66.1	58.5
05:00 AM - 06:00 AM	57.1	66.2	55.9
06:00 AM - 07:00 AM	56.8	77.2	55.1
07:00 AM - 08:00 AM	55.2	70.6	53.9
08:00 AM - 09:00 AM	58.4	76.5	55.3
09:00 AM - 10:00 AM	57.1	78.1	54.2
10:00 AM - 11:00 AM	55.4	76.1	53.7
11:00 AM - 12:00 PM	55.0	73.2	53.0
12:00 PM - 01:00 PM	53.9	67.5	52.7
01:00 PM - 02:00 PM	58.9	81.6	53.7

Leq Average 24 hrs. (dB(A))	58.2		
Lmax (dB(A))		88.2	
L90 (dB(A))			55.3
Ldn (dB(A))	65.3		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

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Supot Salamteh
Section Head

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Client : UACJ (Thailand) Co., Ltd.

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P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397237

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2766730-1

Page 1 of 1

Sample Number	2397237-16
Parameter	Noise (Leq 24 hrs.)
Location	ด้านทิศตะวันตกของโครงการ (GPS 47P 0727204, 1433094)
Measurement Date	Aug 23 - Aug 24, 2023
Measurement by	Sawai Tonpho
Sound Level meter	Serial No. 623391

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	63.2	80.0	54.8
03:00 PM - 04:00 PM	56.2	79.5	54.1
04:00 PM - 05:00 PM	55.2	67.6	53.9
05:00 PM - 06:00 PM	54.6	66.6	53.5
06:00 PM - 07:00 PM	55.1	73.4	54.2
07:00 PM - 08:00 PM	60.0	76.5	58.3
08:00 PM - 09:00 PM	56.7	73.0	55.4
09:00 PM - 10:00 PM	56.6	65.9	55.4
10:00 PM - 11:00 PM	59.4	75.7	57.0
11:00 PM - 12:00 AM	56.1	62.5	55.1
12:00 AM - 01:00 AM	55.2	62.6	54.6
01:00 AM - 02:00 AM	57.4	64.1	56.1
02:00 AM - 03:00 AM	61.0	66.4	59.3
03:00 AM - 04:00 AM	62.5	67.6	60.6
04:00 AM - 05:00 AM	62.7	67.0	61.3
05:00 AM - 06:00 AM	62.4	67.5	61.0
06:00 AM - 07:00 AM	59.3	75.7	56.5
07:00 AM - 08:00 AM	58.2	77.4	54.8
08:00 AM - 09:00 AM	59.7	76.9	57.2
09:00 AM - 10:00 AM	62.1	83.3	57.3
10:00 AM - 11:00 AM	63.2	94.7	58.3
11:00 AM - 12:00 PM	62.4	83.3	55.6
12:00 PM - 01:00 PM	54.5	77.8	53.1
01:00 PM - 02:00 PM	61.5	82.6	57.2

Leq Average 24 hrs. (dB(A))	60.0		
Lmax (dB(A))		94.7	
L90 (dB(A))			55.6
Ldn (dB(A))	66.6		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supt S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397237

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2766731-1

Page 1 of 1

Sample Number	2397237-17
Parameter	Noise (Leq 24 hrs.)
Location	ด้านทิศตะวันตกของโครงการ (GPS 47P 0727204, 1433094)
Measurement Date	Aug 24 - Aug 25, 2023
Measurement by	Sawai Tonpho
Sound Level meter	Serial No. 623391

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	60.6	78.0	55.9
03:00 PM - 04:00 PM	64.6	84.2	55.0
04:00 PM - 05:00 PM	60.4	75.0	56.5
05:00 PM - 06:00 PM	55.5	64.2	53.9
06:00 PM - 07:00 PM	56.4	67.7	55.0
07:00 PM - 08:00 PM	61.5	70.0	59.8
08:00 PM - 09:00 PM	60.5	70.8	59.1
09:00 PM - 10:00 PM	56.1	64.7	55.4
10:00 PM - 11:00 PM	58.7	75.6	56.5
11:00 PM - 12:00 AM	57.3	73.4	56.4
12:00 AM - 01:00 AM	56.5	67.2	55.5
01:00 AM - 02:00 AM	58.2	64.7	56.8
02:00 AM - 03:00 AM	57.0	61.1	55.7
03:00 AM - 04:00 AM	60.2	65.5	58.4
04:00 AM - 05:00 AM	62.8	67.0	60.8
05:00 AM - 06:00 AM	63.4	67.0	62.1
06:00 AM - 07:00 AM	60.4	70.5	58.1
07:00 AM - 08:00 AM	58.6	78.1	56.3
08:00 AM - 09:00 AM	58.1	75.0	55.7
09:00 AM - 10:00 AM	60.6	81.2	56.2
10:00 AM - 11:00 AM	61.9	84.0	55.9
11:00 AM - 12:00 PM	60.4	78.4	55.4
12:00 PM - 01:00 PM	54.7	66.9	53.4
01:00 PM - 02:00 PM	62.7	82.5	58.7

Leq Average 24 hrs. (dB(A))	60.2		
Lmax (dB(A))		84.2	
L90 (dB(A))			56.2
Ldn (dB(A))	66.5		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397237

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2766732-1

Page 1 of 1

Sample Number	2397237-18
Parameter	Noise (Leq 24 hrs.)
Location	ด้านทิศตะวันตกของโครงการ (GPS 47P 0727204, 1433094)
Measurement Date	Aug 25 - Aug 26, 2023
Measurement by	Sawai Tonpho
Sound Level meter	Serial No. 623391

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	72.2	98.0	65.4
03:00 PM - 04:00 PM	67.6	86.6	57.4
04:00 PM - 05:00 PM	61.4	74.9	56.8
05:00 PM - 06:00 PM	61.2	82.3	57.2
06:00 PM - 07:00 PM	55.4	77.1	53.8
07:00 PM - 08:00 PM	58.6	76.8	56.9
08:00 PM - 09:00 PM	62.2	73.0	59.7
09:00 PM - 10:00 PM	58.7	71.1	56.3
10:00 PM - 11:00 PM	58.7	74.9	57.3
11:00 PM - 12:00 AM	59.3	65.2	58.2
12:00 AM - 01:00 AM	56.4	67.7	55.3
01:00 AM - 02:00 AM	56.8	63.3	55.9
02:00 AM - 03:00 AM	58.1	70.3	56.7
03:00 AM - 04:00 AM	58.5	63.2	57.1
04:00 AM - 05:00 AM	56.1	63.8	55.1
05:00 AM - 06:00 AM	55.7	61.7	54.8
06:00 AM - 07:00 AM	54.8	74.0	53.9
07:00 AM - 08:00 AM	57.9	78.2	54.5
08:00 AM - 09:00 AM	56.2	74.1	54.6
09:00 AM - 10:00 AM	54.9	72.0	53.5
10:00 AM - 11:00 AM	54.5	64.7	53.1
11:00 AM - 12:00 PM	53.7	65.1	52.5
12:00 PM - 01:00 PM	52.8	70.4	51.7
01:00 PM - 02:00 PM	54.8	76.6	52.1

Leq Average 24 hrs. (dB(A))	61.7		
Lmax (dB(A))		98.0	
L90 (dB(A))			55.3
Ldn (dB(A))	65.2		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397237

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2766733-1

Page 1 of 1

Sample Number	2397237-19
Parameter	Noise (Leq 24 hrs.)
Location	ด้านทิศตะวันตกของโครงการ (GPS 47P 0727204, 1433094)
Measurement Date	Aug 26 - Aug 27, 2023
Measurement by	Sawai Tonpho
Sound Level meter	Serial No. 623391

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	54.1	72.3	52.4
03:00 PM - 04:00 PM	54.6	73.7	52.3
04:00 PM - 05:00 PM	53.5	70.0	52.0
05:00 PM - 06:00 PM	53.2	65.4	52.2
06:00 PM - 07:00 PM	54.1	73.0	52.9
07:00 PM - 08:00 PM	59.1	77.7	57.1
08:00 PM - 09:00 PM	59.7	76.9	57.5
09:00 PM - 10:00 PM	57.6	68.2	55.8
10:00 PM - 11:00 PM	56.9	73.6	56.1
11:00 PM - 12:00 AM	57.7	76.0	55.6
12:00 AM - 01:00 AM	57.7	64.4	55.5
01:00 AM - 02:00 AM	58.9	65.0	56.9
02:00 AM - 03:00 AM	59.0	64.6	57.2
03:00 AM - 04:00 AM	58.2	65.9	56.0
04:00 AM - 05:00 AM	58.1	63.7	56.5
05:00 AM - 06:00 AM	58.1	74.0	56.7
06:00 AM - 07:00 AM	58.6	75.7	56.4
07:00 AM - 08:00 AM	57.1	71.3	54.6
08:00 AM - 09:00 AM	56.2	80.7	54.4
09:00 AM - 10:00 AM	55.4	71.1	54.2
10:00 AM - 11:00 AM	55.1	66.5	54.0
11:00 AM - 12:00 PM	55.4	71.5	54.2
12:00 PM - 01:00 PM	56.1	67.0	54.1
01:00 PM - 02:00 PM	56.7	76.8	53.9

Leq Average 24 hrs. (dB(A))	57.1		
Lmax (dB(A))		80.7	
L90 (dB(A))			54.6
Ldn (dB(A))	64.4		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supt S.

Supot Salamteh
Section Head

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7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397237

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2766734-1

Page 1 of 1

Sample Number	2397237-20
Parameter	Noise (Leq 24 hrs.)
Location	ด้านทิศตะวันตกของโครงการ (GPS 47P 0727204, 1433094)
Measurement Date	Aug 27 - Aug 28, 2023
Measurement by	Sawai Tonpho
Sound Level meter	Serial No. 623391

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	54.3	68.9	53.3
03:00 PM - 04:00 PM	57.0	70.7	54.5
04:00 PM - 05:00 PM	57.0	73.0	55.1
05:00 PM - 06:00 PM	55.6	61.7	54.6
06:00 PM - 07:00 PM	58.5	71.9	55.6
07:00 PM - 08:00 PM	58.0	77.4	56.0
08:00 PM - 09:00 PM	59.4	68.5	57.4
09:00 PM - 10:00 PM	58.3	69.1	56.0
10:00 PM - 11:00 PM	58.0	67.3	56.3
11:00 PM - 12:00 AM	56.7	74.0	55.5
12:00 AM - 01:00 AM	55.8	63.8	55.2
01:00 AM - 02:00 AM	57.2	66.3	55.7
02:00 AM - 03:00 AM	58.0	62.7	56.5
03:00 AM - 04:00 AM	57.7	63.9	55.9
04:00 AM - 05:00 AM	58.3	64.4	56.1
05:00 AM - 06:00 AM	55.2	64.4	54.0
06:00 AM - 07:00 AM	57.6	74.8	54.8
07:00 AM - 08:00 AM	56.2	75.8	53.1
08:00 AM - 09:00 AM	59.1	82.2	53.5
09:00 AM - 10:00 AM	53.9	70.1	52.6
10:00 AM - 11:00 AM	58.9	79.9	52.5
11:00 AM - 12:00 PM	54.5	76.7	51.9
12:00 PM - 01:00 PM	53.2	67.1	51.6
01:00 PM - 02:00 PM	60.5	86.5	55.6

Leq Average 24 hrs. (dB(A))	57.4		
Lmax (dB(A))		86.5	
L90 (dB(A))			55.1
Ldn (dB(A))	63.7		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

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Thanita Kulsuriwong
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Approved by

Supt S.

Supot Salamteh
Section Head

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7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397237

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2766735-1

Page 1 of 1

Sample Number	2397237-21
Parameter	Noise (Leq 24 hrs.)
Location	ด้านทิศตะวันตกของโครงการ (GPS 47P 0727204, 1433094)
Measurement Date	Aug 28 - Aug 29, 2023
Measurement by	Sawai Tonpho
Sound Level meter	Serial No. 623391

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	59.0	84.9	55.1
03:00 PM - 04:00 PM	65.3	87.4	59.6
04:00 PM - 05:00 PM	54.7	71.2	52.8
05:00 PM - 06:00 PM	61.8	76.6	58.7
06:00 PM - 07:00 PM	56.8	78.1	54.4
07:00 PM - 08:00 PM	57.6	82.1	54.6
08:00 PM - 09:00 PM	58.2	70.0	55.7
09:00 PM - 10:00 PM	59.3	65.8	56.9
10:00 PM - 11:00 PM	59.6	67.3	57.5
11:00 PM - 12:00 AM	57.6	73.9	55.1
12:00 AM - 01:00 AM	56.1	66.3	54.4
01:00 AM - 02:00 AM	54.6	65.1	53.6
02:00 AM - 03:00 AM	56.2	62.9	54.5
03:00 AM - 04:00 AM	59.0	65.1	56.3
04:00 AM - 05:00 AM	57.4	64.6	54.9
05:00 AM - 06:00 AM	54.4	61.8	53.5
06:00 AM - 07:00 AM	56.2	74.3	54.2
07:00 AM - 08:00 AM	57.5	86.6	53.7
08:00 AM - 09:00 AM	61.6	84.2	55.1
09:00 AM - 10:00 AM	55.9	73.9	54.3
10:00 AM - 11:00 AM	60.1	84.9	54.1
11:00 AM - 12:00 PM	56.5	74.1	53.9
12:00 PM - 01:00 PM	53.9	60.7	53.0
01:00 PM - 02:00 PM	63.1	84.5	56.9

Leq Average 24 hrs. (dB(A))	59.1		
Lmax (dB(A))		87.4	
L90 (dB(A))			54.5
Ldn (dB(A))	64.1		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

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Supt S

Supot Salamteh
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Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397237

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2766736-1

Page 1 of 1

Sample Number	2397237-22
Parameter	Noise (Leq 24 hrs.)
Location	ด้านทิศเหนือของโครงการ (GPS 47P 0727619, 1433056)
Measurement Date	Aug 22 - Aug 23, 2023
Measurement by	Sawai Tonpho
Sound Level meter	Serial No. 623392

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	58.0	83.2	52.2
03:00 PM - 04:00 PM	54.9	83.3	51.7
04:00 PM - 05:00 PM	57.7	84.8	51.4
05:00 PM - 06:00 PM	58.5	87.1	51.0
06:00 PM - 07:00 PM	58.8	78.5	54.8
07:00 PM - 08:00 PM	60.7	76.9	59.1
08:00 PM - 09:00 PM	60.7	78.6	57.3
09:00 PM - 10:00 PM	61.9	76.9	59.3
10:00 PM - 11:00 PM	69.0	71.9	68.5
11:00 PM - 12:00 AM	67.3	73.6	66.9
12:00 AM - 01:00 AM	66.1	68.1	65.7
01:00 AM - 02:00 AM	64.7	77.8	64.3
02:00 AM - 03:00 AM	68.9	72.1	68.4
03:00 AM - 04:00 AM	67.1	73.4	66.7
04:00 AM - 05:00 AM	63.9	80.7	63.1
05:00 AM - 06:00 AM	62.5	78.4	61.0
06:00 AM - 07:00 AM	63.4	86.6	60.9
07:00 AM - 08:00 AM	62.7	83.7	60.1
08:00 AM - 09:00 AM	59.4	79.3	53.9
09:00 AM - 10:00 AM	63.2	95.2	59.4
10:00 AM - 11:00 AM	61.4	89.0	59.1
11:00 AM - 12:00 PM	59.4	84.6	56.7
12:00 PM - 01:00 PM	57.8	81.0	56.6
01:00 PM - 02:00 PM	58.6	75.7	56.8

Leq Average 24 hrs. (dB(A))	63.6		
Lmax (dB(A))		95.2	
L90 (dB(A))			59.1
Ldn (dB(A))	72.3		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supt S

Supot Salamteh
Section Head

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9044-21/ EMAIL

S:\Reports\Air Noise.rpt (11:06AM)



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397237

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2766737-1

Page 1 of 1

Sample Number	2397237-23
Parameter	Noise (Leq 24 hrs.)
Location	ด้านทิศเหนือของโครงการ (GPS 47P 0727619, 1433056)
Measurement Date	Aug 23 - Aug 24, 2023
Measurement by	Sawai Tonpho
Sound Level meter	Serial No. 623392

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	58.3	72.1	56.9
03:00 PM - 04:00 PM	58.5	87.0	56.6
04:00 PM - 05:00 PM	58.5	75.4	56.6
05:00 PM - 06:00 PM	60.3	79.8	56.7
06:00 PM - 07:00 PM	59.4	79.7	56.7
07:00 PM - 08:00 PM	62.5	75.0	61.4
08:00 PM - 09:00 PM	62.7	73.7	61.6
09:00 PM - 10:00 PM	62.1	68.6	61.5
10:00 PM - 11:00 PM	61.2	77.7	59.8
11:00 PM - 12:00 AM	59.7	73.9	58.6
12:00 AM - 01:00 AM	59.7	70.0	58.6
01:00 AM - 02:00 AM	59.5	71.3	58.5
02:00 AM - 03:00 AM	60.6	70.5	58.9
03:00 AM - 04:00 AM	60.1	75.2	58.5
04:00 AM - 05:00 AM	61.3	77.8	59.6
05:00 AM - 06:00 AM	60.7	69.5	59.4
06:00 AM - 07:00 AM	63.3	85.7	60.8
07:00 AM - 08:00 AM	63.5	79.8	61.7
08:00 AM - 09:00 AM	70.4	85.8	67.2
09:00 AM - 10:00 AM	67.3	82.6	65.2
10:00 AM - 11:00 AM	61.9	77.8	60.2
11:00 AM - 12:00 PM	65.1	80.5	61.5
12:00 PM - 01:00 PM	58.9	70.9	56.8
01:00 PM - 02:00 PM	60.4	81.8	57.9

Leq Average 24 hrs. (dB(A))	62.8		
Lmax (dB(A))		87.0	
L90 (dB(A))			58.9
Ldn (dB(A))	67.8		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supt S

Supot Salamteh
Section Head

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397237

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2766738-1

Page 1 of 1

Sample Number	2397237-24
Parameter	Noise (Leq 24 hrs.)
Location	ด้านทิศเหนือของโครงการ (GPS 47P 0727619, 1433056)
Measurement Date	Aug 24 - Aug 25, 2023
Measurement by	Sawai Tonpho
Sound Level meter	Serial No. 623392

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	59.9	81.9	57.5
03:00 PM - 04:00 PM	58.3	71.2	56.8
04:00 PM - 05:00 PM	57.8	75.3	56.5
05:00 PM - 06:00 PM	59.4	72.7	56.6
06:00 PM - 07:00 PM	59.7	92.8	56.2
07:00 PM - 08:00 PM	56.8	81.2	51.9
08:00 PM - 09:00 PM	56.8	75.8	51.2
09:00 PM - 10:00 PM	61.7	88.9	59.9
10:00 PM - 11:00 PM	60.4	65.7	59.5
11:00 PM - 12:00 AM	59.8	78.1	58.7
12:00 AM - 01:00 AM	56.9	62.6	56.5
01:00 AM - 02:00 AM	57.0	62.1	56.5
02:00 AM - 03:00 AM	57.1	67.7	56.6
03:00 AM - 04:00 AM	57.1	70.2	56.6
04:00 AM - 05:00 AM	57.2	67.0	56.6
05:00 AM - 06:00 AM	59.5	72.6	58.0
06:00 AM - 07:00 AM	61.6	79.8	59.5
07:00 AM - 08:00 AM	62.7	82.7	60.1
08:00 AM - 09:00 AM	62.5	83.5	60.2
09:00 AM - 10:00 AM	62.0	73.8	61.2
10:00 AM - 11:00 AM	61.0	77.1	60.0
11:00 AM - 12:00 PM	58.6	74.6	57.1
12:00 PM - 01:00 PM	59.0	73.4	58.1
01:00 PM - 02:00 PM	59.6	84.0	57.2

Leq Average 24 hrs. (dB(A))	59.7		
Lmax (dB(A))		92.8	
L90 (dB(A))			57.1
Ldn (dB(A))	65.5		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supt S

Supot Salamteh
Section Head

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397237

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2766739-1

Page 1 of 1

Sample Number	2397237-25
Parameter	Noise (Leq 24 hrs.)
Location	ด้านทิศเหนือของโครงการ (GPS 47P 0727619, 1433056)
Measurement Date	Aug 25 - Aug 26, 2023
Measurement by	Sawai Tonpho
Sound Level meter	Serial No. 623392

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	58.4	79.5	56.9
03:00 PM - 04:00 PM	59.3	77.4	57.1
04:00 PM - 05:00 PM	60.6	80.3	58.8
05:00 PM - 06:00 PM	62.6	81.8	60.0
06:00 PM - 07:00 PM	63.1	89.2	60.0
07:00 PM - 08:00 PM	61.8	81.2	59.6
08:00 PM - 09:00 PM	63.2	84.0	60.4
09:00 PM - 10:00 PM	62.2	79.1	61.0
10:00 PM - 11:00 PM	61.0	72.1	60.0
11:00 PM - 12:00 AM	66.3	80.8	65.3
12:00 AM - 01:00 AM	62.2	83.4	60.9
01:00 AM - 02:00 AM	59.3	84.1	58.0
02:00 AM - 03:00 AM	59.6	84.0	57.6
03:00 AM - 04:00 AM	58.7	68.7	57.4
04:00 AM - 05:00 AM	58.0	66.2	57.4
05:00 AM - 06:00 AM	60.1	81.6	59.2
06:00 AM - 07:00 AM	62.3	79.3	60.3
07:00 AM - 08:00 AM	61.4	77.5	59.0
08:00 AM - 09:00 AM	60.3	83.0	56.9
09:00 AM - 10:00 AM	58.1	76.1	56.7
10:00 AM - 11:00 AM	60.1	75.9	59.0
11:00 AM - 12:00 PM	60.9	74.0	59.4
12:00 PM - 01:00 PM	61.1	81.9	59.8
01:00 PM - 02:00 PM	61.3	75.5	59.6

Leq Average 24 hrs. (dB(A))	61.4		
Lmax (dB(A))		89.2	
L90 (dB(A))			59.2
Ldn (dB(A))	68.0		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supt S

Supot Salamteh
Section Head

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397237

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2766740-1

Page 1 of 1

Sample Number	2397237-26
Parameter	Noise (Leq 24 hrs.)
Location	ด้านทิศเหนือของโครงการ (GPS 47P 0727619, 1433056)
Measurement Date	Aug 26 - Aug 27, 2023
Measurement by	Sawai Tonpho
Sound Level meter	Serial No. 623392

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	62.3	87.8	59.8
03:00 PM - 04:00 PM	61.1	73.0	59.3
04:00 PM - 05:00 PM	61.4	84.3	59.6
05:00 PM - 06:00 PM	60.7	79.4	58.7
06:00 PM - 07:00 PM	62.4	83.1	60.0
07:00 PM - 08:00 PM	62.5	84.2	60.2
08:00 PM - 09:00 PM	62.3	86.5	60.4
09:00 PM - 10:00 PM	61.5	84.6	59.7
10:00 PM - 11:00 PM	63.3	83.7	61.0
11:00 PM - 12:00 AM	61.6	70.0	60.2
12:00 AM - 01:00 AM	61.6	73.1	60.0
01:00 AM - 02:00 AM	62.2	91.3	59.8
02:00 AM - 03:00 AM	61.2	75.9	59.6
03:00 AM - 04:00 AM	58.7	67.2	57.5
04:00 AM - 05:00 AM	57.3	76.6	56.5
05:00 AM - 06:00 AM	57.3	66.6	56.5
06:00 AM - 07:00 AM	61.4	84.8	59.1
07:00 AM - 08:00 AM	59.9	80.1	58.7
08:00 AM - 09:00 AM	60.8	79.0	58.4
09:00 AM - 10:00 AM	60.9	75.2	59.0
10:00 AM - 11:00 AM	61.0	74.1	59.7
11:00 AM - 12:00 PM	61.3	73.8	59.5
12:00 PM - 01:00 PM	61.2	73.8	59.9
01:00 PM - 02:00 PM	62.5	95.0	59.5

Leq Average 24 hrs. (dB(A))	61.3		
Lmax (dB(A))		95.0	
L90 (dB(A))			59.6
Ldn (dB(A))	67.4		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

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Scientist (4)

Approved by

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Supot Salamteh
Section Head

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397237

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2766741-1

Page 1 of 1

Sample Number	2397237-27
Parameter	Noise (Leq 24 hrs.)
Location	ด้านทิศเหนือของโครงการ (GPS 47P 0727619, 1433056)
Measurement Date	Aug 27 - Aug 28, 2023
Measurement by	Sawai Tonpho
Sound Level meter	Serial No. 623392

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	60.8	82.6	58.9
03:00 PM - 04:00 PM	61.0	75.4	59.2
04:00 PM - 05:00 PM	60.2	70.4	59.0
05:00 PM - 06:00 PM	61.3	76.4	59.3
06:00 PM - 07:00 PM	62.9	90.3	60.2
07:00 PM - 08:00 PM	62.8	86.6	60.3
08:00 PM - 09:00 PM	62.2	76.5	60.0
09:00 PM - 10:00 PM	61.8	86.9	59.4
10:00 PM - 11:00 PM	60.4	71.3	59.1
11:00 PM - 12:00 AM	60.6	86.7	59.1
12:00 AM - 01:00 AM	59.8	75.2	58.6
01:00 AM - 02:00 AM	59.2	88.7	56.9
02:00 AM - 03:00 AM	56.9	62.2	56.4
03:00 AM - 04:00 AM	59.0	72.2	57.8
04:00 AM - 05:00 AM	60.3	70.6	59.4
05:00 AM - 06:00 AM	61.3	73.1	59.7
06:00 AM - 07:00 AM	61.5	80.8	59.5
07:00 AM - 08:00 AM	63.5	88.1	60.9
08:00 AM - 09:00 AM	62.1	78.4	59.9
09:00 AM - 10:00 AM	62.3	79.8	60.1
10:00 AM - 11:00 AM	60.7	81.2	58.1
11:00 AM - 12:00 PM	62.3	91.4	57.7
12:00 PM - 01:00 PM	58.7	75.9	57.2
01:00 PM - 02:00 PM	60.3	83.1	58.8

Leq Average 24 hrs. (dB(A))	61.2		
Lmax (dB(A))		91.4	
L90 (dB(A))			59.1
Ldn (dB(A))	66.8		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

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Scientist (4)

Approved by

Supt S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397237

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2766742-1

Page 1 of 1

Sample Number	2397237-28
Parameter	Noise (Leq 24 hrs.)
Location	ด้านทิศเหนือของโครงการ (GPS 47P 0727619, 1433056)
Measurement Date	Aug 28 - Aug 29, 2023
Measurement by	Sawai Tonpho
Sound Level meter	Serial No. 623392

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	60.6	77.0	58.9
03:00 PM - 04:00 PM	61.7	76.6	60.1
04:00 PM - 05:00 PM	63.0	94.0	59.9
05:00 PM - 06:00 PM	62.3	82.9	59.6
06:00 PM - 07:00 PM	61.3	72.3	59.6
07:00 PM - 08:00 PM	63.1	88.7	60.3
08:00 PM - 09:00 PM	62.6	84.1	60.2
09:00 PM - 10:00 PM	62.1	80.1	60.0
10:00 PM - 11:00 PM	62.2	80.5	60.3
11:00 PM - 12:00 AM	62.7	84.8	60.2
12:00 AM - 01:00 AM	61.1	77.3	59.4
01:00 AM - 02:00 AM	61.3	88.9	59.3
02:00 AM - 03:00 AM	62.3	93.6	58.6
03:00 AM - 04:00 AM	57.3	74.6	56.5
04:00 AM - 05:00 AM	57.3	70.8	56.5
05:00 AM - 06:00 AM	57.5	70.7	56.5
06:00 AM - 07:00 AM	61.0	86.6	58.5
07:00 AM - 08:00 AM	59.3	84.3	54.5
08:00 AM - 09:00 AM	58.6	82.7	54.5
09:00 AM - 10:00 AM	60.7	77.4	58.7
10:00 AM - 11:00 AM	60.1	87.4	57.8
11:00 AM - 12:00 PM	61.0	74.7	59.5
12:00 PM - 01:00 PM	61.5	74.8	60.1
01:00 PM - 02:00 PM	62.1	85.0	60.4

Leq Average 24 hrs. (dB(A))	61.2		
Lmax (dB(A))		94.0	
L90 (dB(A))			59.4
Ldn (dB(A))	67.3		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supt S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397237

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2766743-1

Page 1 of 1

Sample Number	2397237-29
Parameter	Noise (Leq 24 hrs.)
Location	บ้านห้วยไผ่เก่า (N1)
Measurement Date	Aug 22 - Aug 23, 2023
Measurement by	Sawai Tonpho
Sound Level meter	Serial No. 900073

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	65.1	86.8	55.0
12:00 PM - 01:00 PM	64.6	87.0	55.2
01:00 PM - 02:00 PM	58.6	82.7	46.0
02:00 PM - 03:00 PM	63.1	82.1	52.2
03:00 PM - 04:00 PM	66.7	87.1	58.3
04:00 PM - 05:00 PM	62.2	88.8	48.3
05:00 PM - 06:00 PM	59.5	80.5	47.2
06:00 PM - 07:00 PM	57.0	76.9	48.0
07:00 PM - 08:00 PM	57.9	77.5	52.6
08:00 PM - 09:00 PM	56.0	79.7	46.2
09:00 PM - 10:00 PM	74.2	83.8	70.1
10:00 PM - 11:00 PM	55.0	74.0	50.8
11:00 PM - 12:00 AM	55.9	84.3	42.1
12:00 AM - 01:00 AM	48.5	67.7	40.0
01:00 AM - 02:00 AM	49.9	77.9	39.8
02:00 AM - 03:00 AM	54.1	77.3	39.3
03:00 AM - 04:00 AM	53.8	78.7	40.1
04:00 AM - 05:00 AM	53.8	81.5	38.9
05:00 AM - 06:00 AM	53.1	73.7	41.5
06:00 AM - 07:00 AM	58.1	81.3	45.5
07:00 AM - 08:00 AM	70.5	87.3	64.1
08:00 AM - 09:00 AM	65.4	80.9	53.2
09:00 AM - 10:00 AM	59.2	91.3	45.6
10:00 AM - 11:00 AM	58.3	80.7	44.9

Leq Average 24 hrs. (dB(A))	64.2		
Lmax (dB(A))		91.3	
L90 (dB(A))			46.2
Ldn (dB(A))	65.5		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supt S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397237

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2766744-1

Page 1 of 1

Sample Number	2397237-30
Parameter	Noise (Leq 24 hrs.)
Location	บ้านห้วยไผ่เก่า (N1)
Measurement Date	Aug 23 - Aug 24, 2023
Measurement by	Sawai Tonpho
Sound Level meter	Serial No. 900073

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	61.1	81.6	51.7
12:00 PM - 01:00 PM	65.4	86.0	54.6
01:00 PM - 02:00 PM	66.0	87.8	54.5
02:00 PM - 03:00 PM	65.6	83.7	55.8
03:00 PM - 04:00 PM	63.0	85.2	55.7
04:00 PM - 05:00 PM	57.5	79.5	45.0
05:00 PM - 06:00 PM	60.2	83.6	45.9
06:00 PM - 07:00 PM	58.8	81.5	47.4
07:00 PM - 08:00 PM	60.2	83.6	51.9
08:00 PM - 09:00 PM	57.3	80.9	46.1
09:00 PM - 10:00 PM	55.3	78.8	43.4
10:00 PM - 11:00 PM	52.4	73.8	41.4
11:00 PM - 12:00 AM	51.1	72.7	40.8
12:00 AM - 01:00 AM	58.5	83.0	40.3
01:00 AM - 02:00 AM	57.3	78.8	40.1
02:00 AM - 03:00 AM	50.6	75.1	39.3
03:00 AM - 04:00 AM	55.7	78.9	40.0
04:00 AM - 05:00 AM	49.1	75.0	39.0
05:00 AM - 06:00 AM	58.2	80.1	41.2
06:00 AM - 07:00 AM	59.6	90.4	44.1
07:00 AM - 08:00 AM	63.4	81.6	56.2
08:00 AM - 09:00 AM	58.6	80.6	46.4
09:00 AM - 10:00 AM	57.7	79.9	43.5
10:00 AM - 11:00 AM	56.8	76.5	41.3

Leq Average 24 hrs. (dB(A))	60.4		
Lmax (dB(A))		90.4	
L90 (dB(A))			44.1
Ldn (dB(A))	63.9		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
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Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supt S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397237

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2766745-1

Page 1 of 1

Sample Number	2397237-31
Parameter	Noise (Leq 24 hrs.)
Location	บ้านห้วยไผ่เก่า (N1)
Measurement Date	Aug 24 - Aug 25, 2023
Measurement by	Sawai Tonpho
Sound Level meter	Serial No. 900073

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	56.9	78.9	40.5
12:00 PM - 01:00 PM	57.6	82.2	42.8
01:00 PM - 02:00 PM	60.9	91.4	41.2
02:00 PM - 03:00 PM	56.6	77.0	41.7
03:00 PM - 04:00 PM	56.7	78.1	41.7
04:00 PM - 05:00 PM	57.0	80.3	43.3
05:00 PM - 06:00 PM	57.9	79.7	46.1
06:00 PM - 07:00 PM	59.4	83.0	45.9
07:00 PM - 08:00 PM	57.7	77.3	49.6
08:00 PM - 09:00 PM	59.0	88.3	43.3
09:00 PM - 10:00 PM	56.8	79.5	42.5
10:00 PM - 11:00 PM	51.1	75.9	40.9
11:00 PM - 12:00 AM	49.9	75.2	39.7
12:00 AM - 01:00 AM	49.8	72.6	40.2
01:00 AM - 02:00 AM	49.7	73.3	40.1
02:00 AM - 03:00 AM	57.7	88.8	38.4
03:00 AM - 04:00 AM	48.5	71.2	38.5
04:00 AM - 05:00 AM	54.3	86.6	38.9
05:00 AM - 06:00 AM	55.1	81.4	41.6
06:00 AM - 07:00 AM	59.0	83.7	44.8
07:00 AM - 08:00 AM	61.8	84.6	48.8
08:00 AM - 09:00 AM	58.0	75.6	43.7
09:00 AM - 10:00 AM	57.1	77.2	41.2
10:00 AM - 11:00 AM	61.6	92.3	41.6

Leq Average 24 hrs. (dB(A))	57.5		
Lmax (dB(A))		92.3	
L90 (dB(A))			41.6
Ldn (dB(A))	61.7		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supt S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

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P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397237

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2766746-1

Page 1 of 1

Sample Number	2397237-32
Parameter	Noise (Leq 24 hrs.)
Location	บ้านห้วยไผ่เก่า (N1)
Measurement Date	Aug 25 - Aug 26, 2023
Measurement by	Sawai Tonpho
Sound Level meter	Serial No. 900073

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	61.3	92.1	42.2
12:00 PM - 01:00 PM	56.6	79.7	41.6
01:00 PM - 02:00 PM	55.7	75.5	41.4
02:00 PM - 03:00 PM	56.9	80.9	41.3
03:00 PM - 04:00 PM	56.9	78.2	41.2
04:00 PM - 05:00 PM	57.1	81.0	41.5
05:00 PM - 06:00 PM	58.7	81.6	45.9
06:00 PM - 07:00 PM	59.3	86.1	43.9
07:00 PM - 08:00 PM	56.3	75.6	44.1
08:00 PM - 09:00 PM	74.7	92.0	69.5
09:00 PM - 10:00 PM	60.6	79.7	55.6
10:00 PM - 11:00 PM	56.1	79.9	50.6
11:00 PM - 12:00 AM	52.8	77.7	41.6
12:00 AM - 01:00 AM	54.3	78.2	40.0
01:00 AM - 02:00 AM	54.2	79.6	40.0
02:00 AM - 03:00 AM	49.8	78.2	39.5
03:00 AM - 04:00 AM	48.5	77.9	39.8
04:00 AM - 05:00 AM	53.1	79.4	39.4
05:00 AM - 06:00 AM	54.4	81.0	41.3
06:00 AM - 07:00 AM	58.3	81.1	44.5
07:00 AM - 08:00 AM	61.5	83.8	46.8
08:00 AM - 09:00 AM	57.3	82.2	42.4
09:00 AM - 10:00 AM	57.1	82.6	41.1
10:00 AM - 11:00 AM	59.7	82.1	42.8

Leq Average 24 hrs. (dB(A))	62.5		
Lmax (dB(A))		92.1	
L90 (dB(A))			41.6
Ldn (dB(A))	64.3		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
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Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supt S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397237

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2766747-1

Page 1 of 1

Sample Number	2397237-33
Parameter	Noise (Leq 24 hrs.)
Location	บ้านห้วยไผ่เก่า (N1)
Measurement Date	Aug 26 - Aug 27, 2023
Measurement by	Sawai Tonpho
Sound Level meter	Serial No. 900073

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	58.2	83.2	41.0
12:00 PM - 01:00 PM	57.5	81.4	41.4
01:00 PM - 02:00 PM	57.0	81.5	41.7
02:00 PM - 03:00 PM	59.0	84.2	42.1
03:00 PM - 04:00 PM	56.8	86.8	41.8
04:00 PM - 05:00 PM	59.1	86.6	42.3
05:00 PM - 06:00 PM	58.7	76.9	46.2
06:00 PM - 07:00 PM	56.8	77.0	44.3
07:00 PM - 08:00 PM	57.3	83.8	44.5
08:00 PM - 09:00 PM	56.3	79.2	42.8
09:00 PM - 10:00 PM	56.8	78.5	42.6
10:00 PM - 11:00 PM	54.1	79.9	41.6
11:00 PM - 12:00 AM	55.6	80.2	39.7
12:00 AM - 01:00 AM	52.5	76.5	39.6
01:00 AM - 02:00 AM	46.2	68.5	39.7
02:00 AM - 03:00 AM	57.2	82.9	38.6
03:00 AM - 04:00 AM	54.4	87.6	38.8
04:00 AM - 05:00 AM	55.8	83.5	39.1
05:00 AM - 06:00 AM	54.8	81.7	41.1
06:00 AM - 07:00 AM	57.1	79.1	43.6
07:00 AM - 08:00 AM	56.9	77.2	42.8
08:00 AM - 09:00 AM	57.5	84.0	41.4
09:00 AM - 10:00 AM	56.9	78.7	42.7
10:00 AM - 11:00 AM	56.0	78.5	41.7

Leq Average 24 hrs. (dB(A))	56.7		
Lmax (dB(A))		87.6	
L90 (dB(A))			41.7
Ldn (dB(A))	61.9		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
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Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supt S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397237

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2766748-1

Page 1 of 1

Sample Number	2397237-34
Parameter	Noise (Leq 24 hrs.)
Location	บ้านห้วยไผ่เก่า (N1)
Measurement Date	Aug 27 - Aug 28, 2023
Measurement by	Sawai Tonpho
Sound Level meter	Serial No. 900073

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	57.9	78.4	41.7
12:00 PM - 01:00 PM	60.1	86.0	43.9
01:00 PM - 02:00 PM	56.6	78.1	41.8
02:00 PM - 03:00 PM	57.5	81.3	41.1
03:00 PM - 04:00 PM	54.4	75.0	41.6
04:00 PM - 05:00 PM	58.5	84.2	43.3
05:00 PM - 06:00 PM	60.5	84.2	43.8
06:00 PM - 07:00 PM	58.7	81.3	43.5
07:00 PM - 08:00 PM	58.7	87.8	44.0
08:00 PM - 09:00 PM	55.7	78.1	43.0
09:00 PM - 10:00 PM	57.4	82.5	41.0
10:00 PM - 11:00 PM	54.7	75.2	40.5
11:00 PM - 12:00 AM	53.7	82.0	39.8
12:00 AM - 01:00 AM	47.2	70.3	39.0
01:00 AM - 02:00 AM	48.3	73.1	38.6
02:00 AM - 03:00 AM	49.0	72.5	38.2
03:00 AM - 04:00 AM	52.3	81.3	37.7
04:00 AM - 05:00 AM	49.2	74.9	37.3
05:00 AM - 06:00 AM	56.8	82.0	40.1
06:00 AM - 07:00 AM	58.3	77.6	45.3
07:00 AM - 08:00 AM	63.9	82.6	55.6
08:00 AM - 09:00 AM	63.4	85.8	51.9
09:00 AM - 10:00 AM	61.7	82.8	50.9
10:00 AM - 11:00 AM	67.2	91.3	54.0

Leq Average 24 hrs. (dB(A))	59.4		
Lmax (dB(A))		91.3	
L90 (dB(A))			41.7
Ldn (dB(A))	62.2		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supt S.

Supot Salamteh
Section Head

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9044-21/ EMAIL

S:\Reports\Air Noise.rpt (11:09AM)



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397237

Date Received : Aug 30, 2023

Date Reported : Sep 05, 2023

Report Number: 2766749-1

Page 1 of 1

Sample Number	2397237-35
Parameter	Noise (Leq 24 hrs.)
Location	บ้านพวยไผ่เก่า (N1)
Measurement Date	Aug 28 - Aug 29, 2023
Measurement by	Sawai Tonpho
Sound Level meter	Serial No. 900073

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	65.0	84.7	55.2
12:00 PM - 01:00 PM	63.6	83.8	53.8
01:00 PM - 02:00 PM	58.0	84.8	43.0
02:00 PM - 03:00 PM	56.5	78.1	46.8
03:00 PM - 04:00 PM	61.4	85.8	52.9
04:00 PM - 05:00 PM	61.0	82.4	48.1
05:00 PM - 06:00 PM	59.8	85.1	46.5
06:00 PM - 07:00 PM	57.7	79.4	45.5
07:00 PM - 08:00 PM	58.2	79.2	51.6
08:00 PM - 09:00 PM	57.2	81.7	48.1
09:00 PM - 10:00 PM	55.9	79.4	48.9
10:00 PM - 11:00 PM	53.3	69.5	48.0
11:00 PM - 12:00 AM	51.4	75.1	39.9
12:00 AM - 01:00 AM	58.9	87.8	38.5
01:00 AM - 02:00 AM	52.9	82.0	37.8
02:00 AM - 03:00 AM	55.6	81.3	37.9
03:00 AM - 04:00 AM	46.6	71.3	38.2
04:00 AM - 05:00 AM	52.4	82.6	37.6
05:00 AM - 06:00 AM	55.4	83.2	39.9
06:00 AM - 07:00 AM	58.4	80.7	44.2
07:00 AM - 08:00 AM	64.7	83.8	57.4
08:00 AM - 09:00 AM	65.3	86.0	54.0
09:00 AM - 10:00 AM	59.2	84.2	45.9
10:00 AM - 11:00 AM	62.2	84.2	50.4

Leq Average 24 hrs. (dB(A))	60.0		
Lmax (dB(A))		87.8	
L90 (dB(A))			46.5
Ldn (dB(A))	63.2		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpore, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-1
Parameter : เสียงรบกวน
Location : ตำบลไผ่ล้อม/โครงการ (GPS 47P 0727094, 1432212)
Measurement Date : Aug 22 - 23, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 623393

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ระดับเสียง (dB(A))		ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับการรบกวน
			ผลต่าง	ตัวปรับค่า	กลางวัน	กลางคืน		
02:00 PM - 03:00 PM	48.3	53.1	-4.8	7.0	41.3	-	44.1	-2.8
03:00 PM - 04:00 PM	47.0	46.4	0.6	7.0	40.0	-	43.7	-3.7
04:00 PM - 05:00 PM	46.6	46.3	0.3	7.0	39.6	-	43.7	-4.1
05:00 PM - 06:00 PM	46.5	46.0	0.4	7.0	39.5	-	44.3	-4.8
06:00 PM - 07:00 PM	47.2	57.2	-10.0	7.0	40.2	-	55.7	-15.5
07:00 PM - 08:00 PM	48.8	58.4	-9.6	7.0	41.8	-	56.8	-15.0
08:00 PM - 09:00 PM	51.2	56.3	-5.1	7.0	44.2	-	54.5	-10.3
09:00 PM - 10:00 PM	51.3	54.8	-3.5	7.0	44.3	-	52.7	-8.4
10:00 PM - 10:05 PM	51.2	54.8	-3.6	7.0	-	47.2	53.1	-5.9
10:05 PM - 10:10 PM	52.1	54.6	-2.5	7.0	-	48.1	52.5	-4.4
10:10 PM - 10:15 PM	50.9	53.8	-2.9	7.0	-	46.9	51.3	-4.4
10:15 PM - 10:20 PM	49.9	52.4	-2.5	7.0	-	45.9	50.9	-5.0
10:20 PM - 10:25 PM	64.3	52.3	12.0	0.5	-	66.8	51.1	15.7
10:25 PM - 10:30 PM	61.7	53.2	8.5	0.5	-	64.2	51.7	12.5
10:30 PM - 10:35 PM	63.1	52.7	10.4	0.5	-	65.6	51.2	14.4
10:35 PM - 10:40 PM	58.2	53.1	5.1	1.5	-	59.7	51.2	8.5
10:40 PM - 10:45 PM	52.5	52.1	0.4	7.0	-	48.5	50.6	-2.1
10:45 PM - 10:50 PM	50.5	52.6	-2.1	7.0	-	46.5	51.2	-4.7
10:50 PM - 10:55 PM	48.1	53.7	-5.6	7.0	-	44.1	52.1	-8.0
10:55 PM - 11:00 PM	45.9	53.5	-7.6	7.0	-	41.8	51.6	-9.7
11:00 PM - 11:05 PM	48.1	53.8	-5.7	7.0	-	44.1	52.3	-8.2
11:05 PM - 11:10 PM	47.6	52.8	-5.2	7.0	-	43.6	51.0	-7.4
11:10 PM - 11:15 PM	48.4	52.6	-4.2	7.0	-	44.4	50.7	-6.3
11:15 PM - 11:20 PM	49.0	54.6	-5.6	7.0	-	45.0	51.8	-6.8
11:20 PM - 11:25 PM	49.3	54.2	-4.9	7.0	-	45.3	52.3	-7.0
11:25 PM - 11:30 PM	50.0	53.9	-3.9	7.0	-	46.0	52.1	-6.1
11:30 PM - 11:35 PM	50.1	53.5	-3.4	7.0	-	46.1	51.8	-5.7
11:35 PM - 11:40 PM	50.6	53.2	-2.6	7.0	-	46.6	51.6	-5.0
11:40 PM - 11:45 PM	50.9	52.7	-1.8	7.0	-	46.9	50.8	-3.9
11:45 PM - 11:50 PM	51.3	52.7	-1.4	7.0	-	47.3	51.0	-3.7
11:50 PM - 11:55 PM	51.8	53.2	-1.4	7.0	-	47.8	51.5	-3.7
11:55 PM - 12:00 AM	51.1	51.8	-0.7	7.0	-	47.1	50.0	-2.9
12:00 AM - 12:05 AM	51.4	51.7	-0.3	7.0	-	47.4	49.9	-2.5
12:05 AM - 12:10 AM	51.3	52.6	-1.3	7.0	-	47.3	50.5	-3.2
12:10 AM - 12:15 AM	51.7	52.2	-0.5	7.0	-	47.7	50.4	-2.7
12:15 AM - 12:20 AM	51.9	52.1	-0.2	7.0	-	47.9	50.7	-2.8
12:20 AM - 12:25 AM	53.8	51.7	2.1	4.5	-	52.3	50.1	2.2
12:25 AM - 12:30 AM	54.7	51.5	3.2	3.0	-	54.7	49.6	5.1
12:30 AM - 12:35 AM	54.3	51.3	3.0	3.0	-	54.3	50.0	4.3
12:35 AM - 12:40 AM	55.8	52.0	3.8	2.0	-	56.8	50.5	6.3

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Wiwann Borirak
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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpore, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-1
Parameter : เสียงรบกวน
Location : ตำบลไผ่ล้อม/โครงการ (GPS 47P 0727094, 1432212)
Measurement Date : Aug 22 - 23, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 623393

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ระดับเสียง (dB(A))		ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับการรบกวน
			ผลต่าง	ตัวปรับค่า	กลางวัน	กลางคืน		
04:00 AM - 04:05 AM	51.6	48.5	3.1	3.0	-	51.6	46.1	5.5
04:05 AM - 04:10 AM	51.9	48.4	3.5	2.0	-	52.9	45.9	7.0
04:10 AM - 04:15 AM	52.0	49.0	3.0	3.0	-	52.0	46.6	5.4
04:15 AM - 04:20 AM	51.8	47.5	4.3	2.0	-	52.8	45.8	7.0
04:20 AM - 04:25 AM	51.9	48.9	3.0	3.0	-	51.9	46.7	5.2
04:25 AM - 04:30 AM	52.2	49.1	3.1	3.0	-	52.2	47.0	5.2
04:30 AM - 04:35 AM	51.8	49.4	2.4	4.5	-	50.3	47.4	2.9
04:35 AM - 04:40 AM	52.0	49.5	2.5	3.0	-	52.0	47.3	4.7
04:40 AM - 04:45 AM	52.0	49.4	2.6	3.0	-	52.0	47.1	4.9
04:45 AM - 04:50 AM	52.3	55.0	-2.7	7.0	-	48.3	47.7	0.6
04:50 AM - 04:55 AM	53.0	50.6	2.4	4.5	-	51.5	48.1	3.4
04:55 AM - 05:00 AM	52.1	51.0	1.1	7.0	-	48.1	48.6	-0.5
05:00 AM - 05:05 AM	52.0	50.9	1.1	7.0	-	48.0	47.5	0.5
05:05 AM - 05:10 AM	53.2	51.3	1.9	4.5	-	51.7	47.9	3.8
05:10 AM - 05:15 AM	53.3	52.0	1.3	7.0	-	49.3	48.4	0.9
05:15 AM - 05:20 AM	52.6	52.5	0.1	7.0	-	48.6	48.8	-0.2
05:20 AM - 05:25 AM	53.4	53.0	0.4	7.0	-	49.4	49.9	-0.5
05:25 AM - 05:30 AM	53.7	53.0	0.7	7.0	-	49.7	50.0	-0.3
05:30 AM - 05:35 AM	54.0	55.7	-1.7	7.0	-	50.0	50.9	-0.9
05:35 AM - 05:40 AM	54.2	53.4	0.8	7.0	-	50.2	50.6	-0.4
05:40 AM - 05:45 AM	54.2	53.3	0.9	7.0	-	50.2	50.3	-0.1
05:45 AM - 05:50 AM	53.9	53.8	0.1	7.0	-	49.9	51.4	-1.5
05:50 AM - 05:55 AM	54.0	53.1	0.9	7.0	-	50.0	50.5	-0.5
05:55 AM - 06:00 AM	54.6	51.1	3.5	2.0	-	55.6	48.3	7.3
06:00 AM - 07:00 AM	53.5	50.9	2.6	3.0	50.5	-	48.4	2.1
07:00 AM - 08:00 AM	49.8	49.7	0.8	7.0	41.9	-	46.8	-4.9
08:00 AM - 09:00 AM	48.3	48.1	0.2	7.0	41.3	-	45.5	-4.2
09:00 AM - 10:00 AM	46.7	48.2	-1.5	7.0	39.7	-	45.3	-5.6
10:00 AM - 11:00 AM	45.6	45.8	-0.2	7.0	38.6	-	45.7	-6.1
11:00 AM - 12:00 PM	44.6	49.0	-15.4	7.0	37.6	-	54.7	-17.1
12:00 PM - 01:00 PM	44.1	59.4	-15.3	7.0	37.1	-	42.7	-5.6
01:00 PM - 02:00 PM	44.4	63.3	-18.9	7.0	37.4	-	57.7	-20.3

Reference Method :

- ISO 1996-1
- ประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

หมายเหตุ :

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
- ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานเสียงที่เกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

ระดับเสียงรบกวนเฉลี่ยค่าที่ตรวจวัดได้ วันที่ 22-23 ตุลาคม 2566

ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีกิจกรรม (Sample No.2397467-1 วันที่ตรวจวัด 29-30 ตุลาคม 2566)

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Approved by

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Manager

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpore, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-1
Parameter : เสียงรบกวน
Location : ตำบลไผ่ล้อม/โครงการ (GPS 47P 0727094, 1432212)
Measurement Date : Aug 22 - 23, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 623393

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ระดับเสียง (dB(A))		ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับการรบกวน
			ผลต่าง	ตัวปรับค่า	กลางวัน	กลางคืน		
12:40 AM - 12:45 AM	55.6	54.0	1.6	4.5	-	54.1	53.0	1.1
12:45 AM - 12:50 AM	55.4	53.9	1.5	4.5	-	53.9	52.9	1.0
12:50 AM - 12:55 AM	55.5	53.2	2.3	4.5	-	54.0	51.3	2.7
12:55 AM - 01:00 AM	55.8	52.4	3.4	3.0	-	55.8	51.0	4.8
01:00 AM - 01:05 AM	55.2	52.1	3.1	3.0	-	55.2	50.8	4.4
01:05 AM - 01:10 AM	55.3	51.2	4.1	2.0	-	56.3	49.6	6.7
01:10 AM - 01:15 AM	55.3	51.7	3.6	2.0	-	56.3	50.1	6.2
01:15 AM - 01:20 AM	55.6	52.7	2.9	3.0	-	55.6	51.0	4.6
01:20 AM - 01:25 AM	55.8	52.8	3.0	3.0	-	55.8	50.8	5.0
01:25 AM - 01:30 AM	55.4	53.3	2.1	4.5	-	53.9	51.4	2.5
01:30 AM - 01:35 AM	55.4	53.2	2.2	4.5	-	53.9	51.2	2.7
01:35 AM - 01:40 AM	54.6	53.2	1.4	4.5	-	54.1	51.2	2.9
01:40 AM - 01:45 AM	55.1	53.3	1.8	4.5	-	53.6	51.0	2.6
01:45 AM - 01:50 AM	54.9	53.6	1.3	7.0	-	50.9	51.5	-0.6
01:50 AM - 01:55 AM	55.5	53.2	2.3	4.5	-	54.0	50.8	3.2
01:55 AM - 02:00 AM	55.6	53.2	2.4	4.5	-	54.1	50.7	3.4
02:00 AM - 02:05 AM	55.1	53.2	1.9	4.5	-	53.6	50.9	2.7
02:05 AM - 02:10 AM	55.4	52.9	2.5	3.0	-	55.4	50.4	5.0
02:10 AM - 02:15 AM	55.1	53.2	1.9	4.5	-	53.6	51.1	2.5
02:15 AM - 02:20 AM	54.6	53.6	1.0	7.0	-	50.6	51.3	-0.7
02:20 AM - 02:25 AM	52.4	53.2	-0.8	7.0	-	48.4	51.0	-2.6
02:25 AM - 02:30 AM	52.7	53.5	-0.8	7.0	-	48.7	51.3	-2.6
02:30 AM - 02:35 AM	52.5	53.3	-0.8	7.0	-	48.5	51.2	-2.7
02:35 AM - 02:40 AM	51.9	53.4	-1.5	7.0	-	47.9	50.8	-2.9
02:40 AM - 02:45 AM	50.7	53.0	-2.3	7.0	-	46.7	50.0	-3.3
02:45 AM - 02:50 AM	51.6	53.0	-1.4	7.0	-	47.6	50.0	-2.4
02:50 AM - 02:55 AM	51.5	49.5	2.0	4.5	-	50.0	47.6	2.4
02:55 AM - 03:00 AM	51.0	46.9	4.1	4.5	-	49.5	47.0	2.5
03:00 AM - 03:05 AM	52.3	49.8	2.5	3.0	-	52.3	47.9	4.4
03:05 AM - 03:10 AM	52.9	49.5	3.4	3.0	-	52.9	47.3	5.6
03:10 AM - 03:15 AM	52.8	50.8	2.0	4.5	-	51.3	48.2	3.1
03:15 AM - 03:20 AM	52.3	51.1	-1.2	7.0	-	48.3	48.6	-0.3
03:20 AM - 03:25 AM	52.2	52.4	-0.2	7.0	-	48.2	49.0	-0.8
03:25 AM - 03:30 AM	51.4	53.5	-2.1	7.0	-	47.4	49.5	-2.1
03:30 AM - 03:35 AM	51.2	52.4	-1.2	7.0	-	47.2	49.3	-2.1
03:35 AM - 03:40 AM	52.6	52.5	0.1	7.0	-	48.6	49.8	-1.2
03:40 AM - 03:45 AM	52.7	51.8	0.9	7.0	-	48.7	49.2	-0.5
03:45 AM - 03:50 AM	52.1	52.2	-0.1	7.0	-	48.1	49.0	-0.9
03:50 AM - 03:55 AM	51.4	51.6	-0.2	7.0	-	47.4	47.8	-0.4
03:55 AM - 04:00 AM	50.3	50.3	0.0	7.0	-	45.8	47.3	-1.5



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpore, A. Phuaakaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. 2397466-2
Parameter เลื่อนรถขน
Location ท่าเทียบเรือโรงงาน (GPS 47P 0727094, 1432212)
Measurement Date Aug 23 - 24, 2023
Measurement by Sawai Tonpho
Sound Level Meter 623393

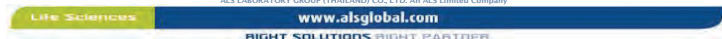
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขนถ่าย	ระดับเสียง (dB(A))		ปรับตามเสียงจากแหล่งกำเนิด	เสียงที่ขนถ่าย	ค่าระดับการขนถ่าย
			ผลต่าง	ค่าปรับ	ค่าปรับ	ค่าปรับ	ค่าปรับ
12:40 AM - 12:45 AM	56.2	54.0	2.2	4.5	-	54.7	53.0
12:45 AM - 12:50 AM	56.4	53.9	2.5	3.0	-	56.4	52.9
12:50 AM - 12:55 AM	56.4	53.2	3.2	3.0	-	56.4	51.3
12:55 AM - 01:00 AM	56.2	53.4	2.8	2.0	-	57.2	51.0
01:00 AM - 01:05 AM	67.4	52.1	15.3	0.0	-	70.4	50.8
01:05 AM - 01:10 AM	56.4	51.2	5.2	1.5	-	57.9	49.6
01:10 AM - 01:15 AM	56.1	51.7	4.4	2.0	-	57.1	50.1
01:15 AM - 01:20 AM	56.3	52.7	3.6	2.0	-	57.3	51.0
01:20 AM - 01:25 AM	55.9	52.8	3.1	3.0	-	55.9	50.8
01:25 AM - 01:30 AM	55.9	53.3	2.6	3.0	-	55.9	51.4
01:30 AM - 01:35 AM	55.8	53.2	2.6	3.0	-	55.8	51.2
01:35 AM - 01:40 AM	54.2	53.2	1.0	7.0	-	50.2	51.0
01:40 AM - 01:45 AM	47.6	53.3	-5.7	7.0	-	43.6	51.0
01:45 AM - 01:50 AM	47.7	53.6	-5.9	7.0	-	43.7	51.5
01:50 AM - 01:55 AM	47.7	53.2	-5.5	7.0	-	43.7	50.8
01:55 AM - 02:00 AM	48.2	53.2	-5.0	7.0	-	44.2	50.7
02:00 AM - 02:05 AM	47.9	53.2	-5.3	7.0	-	43.9	50.9
02:05 AM - 02:10 AM	48.0	52.9	-4.9	7.0	-	44.0	50.4
02:10 AM - 02:15 AM	48.3	53.2	-4.9	7.0	-	44.3	51.1
02:15 AM - 02:20 AM	47.7	53.6	-5.9	7.0	-	43.7	51.3
02:20 AM - 02:25 AM	47.3	53.2	-5.9	7.0	-	43.3	51.0
02:25 AM - 02:30 AM	47.4	53.5	-6.1	7.0	-	43.4	51.3
02:30 AM - 02:35 AM	47.4	53.3	-5.9	7.0	-	43.4	51.2
02:35 AM - 02:40 AM	47.2	53.4	-6.2	7.0	-	43.2	50.7
02:40 AM - 02:45 AM	47.3	53.0	-5.7	7.0	-	43.3	50.0
02:45 AM - 02:50 AM	47.2	53.0	-5.8	7.0	-	43.2	50.0
02:50 AM - 02:55 AM	47.4	49.5	-2.1	7.0	-	43.4	47.6
02:55 AM - 03:00 AM	47.0	48.9	-1.9	7.0	-	43.0	44.0
03:00 AM - 03:05 AM	47.0	49.8	-2.8	7.0	-	43.0	47.9
03:05 AM - 03:10 AM	47.3	49.5	-2.2	7.0	-	43.3	47.3
03:10 AM - 03:15 AM	47.8	50.8	-3.0	7.0	-	43.8	48.2
03:15 AM - 03:20 AM	48.2	51.8	-3.6	7.0	-	44.2	48.6
03:20 AM - 03:25 AM	48.2	52.4	-4.2	7.0	-	44.2	49.0
03:25 AM - 03:30 AM	48.6	53.5	-4.9	7.0	-	44.6	49.5
03:30 AM - 03:35 AM	48.1	52.4	-4.3	7.0	-	44.1	49.3
03:35 AM - 03:40 AM	47.7	52.5	-4.8	7.0	-	43.7	49.8
03:40 AM - 03:45 AM	47.8	51.8	-4.0	7.0	-	43.8	49.2
03:45 AM - 03:50 AM	48.4	52.2	-3.8	7.0	-	44.4	49.0
03:50 AM - 03:55 AM	48.1	51.6	-3.5	7.0	-	44.1	47.8
03:55 AM - 04:00 AM	47.9	50.0	-2.1	7.0	-	43.9	47.0

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borirak
Manager

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpore, A. Phuaakaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. 2397466-3
Parameter เลื่อนรถขน
Location ท่าเทียบเรือโรงงาน (GPS 47P 0727094, 1432212)
Measurement Date Aug 24 - 25, 2023
Measurement by Sawai Tonpho
Sound Level Meter 623393

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขนถ่าย	ระดับเสียง (dB(A))		ปรับตามเสียงจากแหล่งกำเนิด	เสียงที่ขนถ่าย	ค่าระดับการขนถ่าย
			ผลต่าง	ค่าปรับ	ค่าปรับ	ค่าปรับ	ค่าปรับ
02:00 PM - 03:00 PM	49.0	53.1	-4.1	7.0	-	44.1	-2.1
03:00 PM - 04:00 PM	46.1	46.4	-0.3	7.0	-	43.7	-4.6
04:00 PM - 05:00 PM	50.8	46.3	4.5	1.5	-	43.7	5.6
05:00 PM - 06:00 PM	48.0	46.9	1.1	7.0	-	41.3	-3.1
06:00 PM - 07:00 PM	47.8	57.2	-9.4	7.0	-	55.7	-14.9
07:00 PM - 08:00 PM	47.3	58.4	-11.1	7.0	-	56.8	-16.5
08:00 PM - 09:00 PM	49.8	56.3	-6.5	7.0	-	54.5	-11.7
09:00 PM - 10:00 PM	48.0	56.8	-8.8	7.0	-	51.7	-11.7
10:00 PM - 10:05 PM	48.3	54.8	-6.5	7.0	-	44.3	53.1
10:05 PM - 10:10 PM	48.2	54.6	-6.4	7.0	-	44.2	52.5
10:10 PM - 10:15 PM	48.5	53.8	-5.3	7.0	-	44.5	51.3
10:15 PM - 10:20 PM	48.5	52.5	-3.9	7.0	-	44.5	50.9
10:20 PM - 10:25 PM	48.2	52.3	-4.1	7.0	-	44.2	51.1
10:25 PM - 10:30 PM	48.5	53.2	-4.7	7.0	-	44.5	51.7
10:30 PM - 10:35 PM	48.2	52.7	-4.5	7.0	-	44.2	51.2
10:35 PM - 10:40 PM	48.6	53.1	-4.5	7.0	-	44.6	51.2
10:40 PM - 10:45 PM	48.4	52.1	-3.7	7.0	-	44.4	50.6
10:45 PM - 10:50 PM	48.4	52.6	-4.2	7.0	-	44.4	51.2
10:50 PM - 10:55 PM	48.2	53.7	-5.5	7.0	-	44.2	52.1
10:55 PM - 11:00 PM	47.8	53.5	-5.7	7.0	-	43.8	51.6
11:00 PM - 11:05 PM	48.2	53.8	-5.6	7.0	-	44.2	52.3
11:05 PM - 11:10 PM	47.2	52.8	-5.6	7.0	-	43.2	51.0
11:10 PM - 11:15 PM	46.6	52.6	-6.0	7.0	-	42.6	50.7
11:15 PM - 11:20 PM	46.8	53.6	-6.8	7.0	-	42.8	51.8
11:20 PM - 11:25 PM	46.8	54.2	-7.4	7.0	-	42.8	52.3
11:25 PM - 11:30 PM	47.0	53.9	-6.9	7.0	-	43.0	52.1
11:30 PM - 11:35 PM	46.3	53.5	-7.2	7.0	-	42.3	51.8
11:35 PM - 11:40 PM	46.8	52.2	-5.4	7.0	-	42.8	51.4
11:40 PM - 11:45 PM	47.7	52.0	-5.0	7.0	-	43.7	50.8
11:45 PM - 11:50 PM	48.0	52.7	-4.7	7.0	-	44.0	51.0
11:50 PM - 11:55 PM	47.9	53.2	-5.3	7.0	-	43.9	51.5
11:55 PM - 12:00 AM	48.3	51.8	-3.5	7.0	-	44.2	51.2
12:00 AM - 12:05 AM	48.4	51.7	-3.3	7.0	-	44.4	49.9
12:05 AM - 12:10 AM	48.4	52.6	-4.2	7.0	-	44.4	50.5
12:10 AM - 12:15 AM	48.9	52.2	-3.3	7.0	-	44.9	50.4
12:15 AM - 12:20 AM	49.9	52.1	-2.7	7.0	-	49.9	50.7
12:20 AM - 12:25 AM	48.4	51.7	-3.3	7.0	-	44.1	51.7
12:25 AM - 12:30 AM	47.4	51.5	-4.1	7.0	-	43.4	49.6
12:30 AM - 12:35 AM	47.3	51.3	-4.0	7.0	-	43.3	50.0
12:35 AM - 12:40 AM	49.8	52.0	-2.2	7.0	-	45.8	50.5

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

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Manager

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpore, A. Phuaakaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. 2397466-2
Parameter เลื่อนรถขน
Location ท่าเทียบเรือโรงงาน (GPS 47P 0727094, 1432212)
Measurement Date Aug 23 - 24, 2023
Measurement by Sawai Tonpho
Sound Level Meter 623393

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขนถ่าย	ระดับเสียง (dB(A))		ปรับตามเสียงจากแหล่งกำเนิด	เสียงที่ขนถ่าย	ค่าระดับการขนถ่าย
			ผลต่าง	ค่าปรับ	ค่าปรับ	ค่าปรับ	ค่าปรับ
04:00 AM - 04:05 AM	47.8	48.5	-0.7	7.0	-	43.8	46.1
04:05 AM - 04:10 AM	48.0	48.4	-0.4	7.0	-	44.0	45.9
04:10 AM - 04:15 AM	47.7	49.0	-1.3	7.0	-	43.7	46.6
04:15 AM - 04:20 AM	48.7	47.5	1.2	7.0	-	44.7	45.8
04:20 AM - 04:25 AM	49.1	48.9	0.2	7.0	-	45.1	46.7
04:25 AM - 04:30 AM	47.9	49.1	-1.2	7.0	-	43.9	47.0
04:30 AM - 04:35 AM	48.8	49.4	-0.6	7.0	-	44.8	47.4
04:35 AM - 04:40 AM	48.9	49.5	-0.6	7.0	-	44.9	47.3
04:40 AM - 04:45 AM	48.9	49.4	-0.5	7.0	-	44.9	47.1
04:45 AM - 04:50 AM	49.1	55.0	-5.9	7.0	-	45.1	47.7
04:50 AM - 04:55 AM	50.1	50.6	-0.5	7.0	-	46.1	48.1
04:55 AM - 05:00 AM	50.1	51.0	-0.9	7.0	-	46.1	48.6
05:00 AM - 05:05 AM	49.9	50.9	-1.0	7.0	-	45.9	47.5
05:05 AM - 05:10 AM	50.1	51.3	-1.2	7.0	-	46.1	47.9
05:10 AM - 05:15 AM	49.7	52.0	-2.3	7.0	-	45.7	48.4
05:15 AM - 05:20 AM	50.3	52.5	-2.2	7.0	-	46.3	48.8
05:20 AM - 05:25 AM	50.0	53.0	-3.0	7.0	-	46.0	49.9
05:25 AM - 05:30 AM	50.5	53.0	-2.5	7.0	-	46.5	50.0
05:30 AM - 05:35 AM	50.4	55.7	-5.3	7.0	-	46.4	50.9
05:35 AM - 05:40 AM	50.6	53.4	-2.8	7.0	-	46.6	50.6
05:40 AM - 05:45 AM	50.4	53.3	-2.9	7.0	-	46.4	50.3
05:45 AM - 05:50 AM	49.9	53.8	-3.9	7.0	-	45.9	51.4
05:50 AM - 05:55 AM	50.3	53.1	-2.8	7.0	-	46.3	50.5
05:55 AM - 06:00 AM	51.1	51.1	0.0	7.0	-	47.1	48.3
06:00 AM - 07:00 AM	49.3	50.9	-1.6	7.0	-	42.3	-
07:00 AM - 08:00 AM	47.0	49.7	-2.7	7.0	-	40.0	-
08:00 AM - 09:00 AM	50.0	48.1	1.9	4.5	45.5	-	45.5
09:00 AM - 10:00 AM	48.8	48.2	0.6	7.0	-	41.8	-
10:00 AM - 11:00 AM	48.2	45.8	2.4	4.5	43.7	-	44.2
11:00 AM - 12:00 PM	47.8	60.0	-12.2	7.0	-	40.0	-
12:00 PM - 01:00 PM	45.2	59.4	-14.2	7.0	-	38.2	-
01:00 PM - 02:00 PM	45.4	63.3	-17.9	7.0	-	38.4	-

Reference Method :

- ISO 1996-1
- ประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการตรวจระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่คาดการณ์การรบกวนจากโรงงาน พ.ศ. 2553

- ประกาศกระทรวงอุตสาหกรรม เรื่อง ค่าเกณฑ์ระดับเสียงรบกวนและระดับเสียงที่คาดการณ์การรบกวนจากโรงงาน พ.ศ. 2548
- ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดมาตรฐานเสียงรบกวนที่สำนักงานสาธารณสุขกำหนดให้เป็นมาตรฐานสุขภาพ พ.ศ. 2561

ระดับเสียงจากแหล่งกำเนิด ค่าการตรวจวัด วันที่ 23-24 สิงหาคม 2566

ระดับเสียงที่ตรวจและระดับเสียงขณะไม่มีการขนถ่าย (Sample No.2397467-1) วันที่ตรวจวัด 29-30 ตุลาคม 2566)

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company





Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabanyaporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-3
Parameter : เสียงรบกวน
Location : ตำบลไสโฮง ไตรภคาร (GPS 47P 0727094, 1432212)
Measurement Date : Aug 24 - 25, 2023
Measurement by : Sawai Tompho
Sound Level Meter : 623393

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนไม่มีการรบกวน	ระดับเสียง (dB(A))		ค่าเฉลี่ย
			ผลต่าง	ตัวแปร	
	ผลต่าง	ตัวแปร	ผลต่าง	ตัวแปร	
04:00 AM - 04:05 AM	47.4	48.5	-1.1	7.0	-
04:05 AM - 04:10 AM	47.6	48.4	-0.8	7.0	-
04:10 AM - 04:15 AM	47.5	49.0	-1.5	7.0	-
04:15 AM - 04:20 AM	48.7	47.5	1.2	7.0	-
04:20 AM - 04:25 AM	48.9	48.9	0.0	7.0	-
04:25 AM - 04:30 AM	48.7	49.1	-0.4	7.0	-
04:30 AM - 04:35 AM	48.6	49.4	-0.8	7.0	-
04:35 AM - 04:40 AM	48.4	49.5	-1.1	7.0	-
04:40 AM - 04:45 AM	47.5	49.4	-1.9	7.0	-
04:45 AM - 04:50 AM	47.5	55.0	-7.5	7.0	-
04:50 AM - 04:55 AM	47.5	50.6	-3.1	7.0	-
04:55 AM - 05:00 AM	47.2	51.0	-3.8	7.0	-
05:00 AM - 05:05 AM	47.3	50.9	-3.6	7.0	-
05:05 AM - 05:10 AM	47.0	51.3	-4.3	7.0	-
05:10 AM - 05:15 AM	47.6	52.0	-4.4	7.0	-
05:15 AM - 05:20 AM	47.4	52.5	-5.1	7.0	-
05:20 AM - 05:25 AM	47.7	53.0	-5.3	7.0	-
05:25 AM - 05:30 AM	48.3	53.0	-4.7	7.0	-
05:30 AM - 05:35 AM	48.5	55.7	-7.2	7.0	-
05:35 AM - 05:40 AM	49.2	53.4	-4.2	7.0	-
05:40 AM - 05:45 AM	48.6	53.3	-4.7	7.0	-
05:45 AM - 05:50 AM	48.7	53.8	-5.1	7.0	-
05:50 AM - 05:55 AM	48.6	53.1	-4.5	7.0	-
05:55 AM - 06:00 AM	48.8	51.1	-2.3	7.0	-
06:00 AM - 07:00 AM	49.1	50.9	-1.8	7.0	42.1
07:00 AM - 08:00 AM	48.5	49.7	-1.2	7.0	41.5
08:00 AM - 09:00 AM	48.7	48.1	0.6	7.0	41.7
09:00 AM - 10:00 AM	47.6	48.2	-0.6	7.0	40.6
10:00 AM - 11:00 AM	50.0	52.8	-2.8	7.0	42.2
11:00 AM - 12:00 PM	59.0	60.0	-1.0	7.0	52.0
12:00 PM - 01:00 PM	54.9	59.4	-4.5	7.0	47.9
01:00 PM - 02:00 PM	51.0	63.3	-12.3	7.0	44.0

Reference Method :
1. ISO 1996-1
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

หมายเหตุ :
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่ามาตรฐานเสียงรบกวนที่เกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
ระดับเสียงจากแหล่งกำเนิด พิจารณาตรวจวัด วันที่ 24-25 ตุลาคม 2566
ระดับเสียงที่ฐานและระดับเสียงรบกวนไม่มีการรบกวน (Sample No.2397467-1) ในตารางที่ 29-30 ตุลาคม 2566)

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borirak
Manager

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabanyaporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-4
Parameter : เสียงรบกวน
Location : ตำบลไสโฮง ไตรภคาร (GPS 47P 0727094, 1432212)
Measurement Date : Aug 25 - 26, 2023
Measurement by : Sawai Tompho
Sound Level Meter : 623393

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนไม่มีการรบกวน	ระดับเสียง (dB(A))		ค่าเฉลี่ย
			ผลต่าง	ตัวแปร	
12:40 AM - 12:45 AM	49.3	54.0	-4.7	7.0	-
12:45 AM - 12:50 AM	49.9	53.9	-4.0	7.0	-
12:50 AM - 12:55 AM	48.7	53.2	-4.5	7.0	-
12:55 AM - 01:00 AM	49.7	52.4	-2.7	7.0	-
01:00 AM - 01:05 AM	48.3	52.1	-3.8	7.0	-
01:05 AM - 01:10 AM	48.4	51.2	-2.8	7.0	-
01:10 AM - 01:15 AM	48.1	51.7	-3.6	7.0	-
01:15 AM - 01:20 AM	48.1	52.7	-4.6	7.0	-
01:20 AM - 01:25 AM	48.3	52.8	-4.5	7.0	-
01:25 AM - 01:30 AM	48.9	53.3	-4.4	7.0	-
01:30 AM - 01:35 AM	48.9	53.2	-4.3	7.0	-
01:35 AM - 01:40 AM	48.8	53.2	-4.4	7.0	-
01:40 AM - 01:45 AM	49.1	53.3	-4.2	7.0	-
01:45 AM - 01:50 AM	49.6	53.6	-4.0	7.0	-
01:50 AM - 01:55 AM	49.1	53.2	-4.1	7.0	-
01:55 AM - 02:00 AM	49.6	53.2	-3.6	7.0	-
02:00 AM - 02:05 AM	50.1	53.2	-3.1	7.0	-
02:05 AM - 02:10 AM	49.4	52.9	-3.5	7.0	-
02:10 AM - 02:15 AM	49.1	53.2	-4.1	7.0	-
02:15 AM - 02:20 AM	48.2	53.6	-4.4	7.0	-
02:20 AM - 02:25 AM	48.8	53.2	-4.4	7.0	-
02:25 AM - 02:30 AM	49.1	53.5	-4.4	7.0	-
02:30 AM - 02:35 AM	49.2	53.3	-4.1	7.0	-
02:35 AM - 02:40 AM	48.8	53.4	-4.6	7.0	-
02:40 AM - 02:45 AM	49.5	53.0	-3.5	7.0	-
02:45 AM - 02:50 AM	49.7	53.0	-3.3	7.0	-
02:50 AM - 02:55 AM	49.5	49.5	0.0	7.0	-
02:55 AM - 03:00 AM	49.2	48.9	0.3	7.0	-
03:00 AM - 03:05 AM	49.2	49.8	-0.6	7.0	-
03:05 AM - 03:10 AM	48.6	49.5	-0.9	7.0	-
03:10 AM - 03:15 AM	48.9	50.8	-1.9	7.0	-
03:15 AM - 03:20 AM	48.2	51.1	-2.9	7.0	-
03:20 AM - 03:25 AM	47.9	52.4	-4.5	7.0	-
03:25 AM - 03:30 AM	49.3	53.5	-4.2	7.0	-
03:30 AM - 03:35 AM	49.5	52.4	-2.9	7.0	-
03:35 AM - 03:40 AM	49.7	51.8	-2.1	7.0	-
03:40 AM - 03:45 AM	49.3	51.8	-2.5	7.0	-
03:45 AM - 03:50 AM	49.9	52.2	-2.3	7.0	-
03:50 AM - 03:55 AM	50.0	51.6	-1.6	7.0	-
03:55 AM - 04:00 AM	50.6	50.0	0.6	7.0	-

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabanyaporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-4
Parameter : เสียงรบกวน
Location : ตำบลไสโฮง ไตรภคาร (GPS 47P 0727094, 1432212)
Measurement Date : Aug 25 - 26, 2023
Measurement by : Sawai Tompho
Sound Level Meter : 623393

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนไม่มีการรบกวน	ระดับเสียง (dB(A))		ค่าเฉลี่ย
			ผลต่าง	ตัวแปร	
02:00 PM - 03:00 PM	53.1	53.1	0.0	7.0	46.1
03:00 PM - 04:00 PM	51.9	46.4	5.5	1.5	50.4
04:00 PM - 05:00 PM	52.1	46.3	5.8	1.5	50.6
05:00 PM - 06:00 PM	49.0	46.9	2.1	4.5	48.5
06:00 PM - 07:00 PM	48.5	57.2	-8.7	7.0	41.5
07:00 PM - 08:00 PM	48.1	58.4	-10.3	7.0	41.1
08:00 PM - 09:00 PM	59.5	56.3	3.2	3.0	56.5
09:00 PM - 10:00 PM	54.3	54.8	-0.5	7.0	47.3
10:00 PM - 10:05 PM	48.5	54.8	-6.3	7.0	-
10:05 PM - 10:10 PM	48.2	54.6	-6.4	7.0	-
10:10 PM - 10:15 PM	47.3	53.8	-6.5	7.0	-
10:15 PM - 10:20 PM	47.9	52.4	-4.5	7.0	-
10:20 PM - 10:25 PM	48.5	52.3	-3.8	7.0	-
10:25 PM - 10:30 PM	48.5	53.2	-4.7	7.0	-
10:30 PM - 10:35 PM	48.0	53.7	-5.7	7.0	-
10:35 PM - 10:40 PM	48.5	53.1	-4.6	7.0	-
10:40 PM - 10:45 PM	48.4	52.1	-3.7	7.0	-
10:45 PM - 10:50 PM	47.9	52.6	-4.7	7.0	-
10:50 PM - 10:55 PM	47.8	53.7	-5.9	7.0	-
10:55 PM - 11:00 PM	48.4	53.5	-5.1	7.0	-
11:00 PM - 11:05 PM	47.8	53.8	-6.0	7.0	-
11:05 PM - 11:10 PM	48.1	52.8	-4.7	7.0	-
11:10 PM - 11:15 PM	48.1	52.6	-4.5	7.0	-
11:15 PM - 11:20 PM	48.4	53.6	-5.2	7.0	-
11:20 PM - 11:25 PM	48.5	54.2	-5.7	7.0	-
11:25 PM - 11:30 PM	47.9	53.9	-6.0	7.0	-
11:30 PM - 11:35 PM	47.6	53.5	-5.9	7.0	-
11:35 PM - 11:40 PM	48.8	53.2	-4.4	7.0	-
11:40 PM - 11:45 PM	48.2	52.7	-4.5	7.0	-
11:45 PM - 11:50 PM	47.9	52.7	-4.8	7.0	-
11:50 PM - 11:55 PM	48.2	53.2	-5.0	7.0	-
11:55 PM - 12:00 AM	47.6	51.8	-4.2	7.0	-
12:00 AM - 12:05 AM	47.8	51.7	-3.9	7.0	-
12:05 AM - 12:10 AM	49.7	52.6	-2.9	7.0	-
12:10 AM - 12:15 AM	49.1	52.2	-3.1	7.0	-
12:15 AM - 12:20 AM	48.8	52.1	-3.3	7.0	-
12:20 AM - 12:25 AM	48.7	51.7	-3.0	7.0	-
12:25 AM - 12:30 AM	48.1	51.5	-3.4	7.0	-
12:30 AM - 12:35 AM	48.4	51.3	-2.9	7.0	-
12:35 AM - 12:40 AM	49.1	52.0	-2.9	7.0	-

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabanyaporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-4
Parameter : เสียงรบกวน
Location : ตำบลไสโฮง ไตรภคาร (GPS 47P 0727094, 1432212)
Measurement Date : Aug 25 - 26, 2023
Measurement by : Sawai Tompho
Sound Level Meter : 623393

ตารางเสียง (dB(A))									
เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนไม่มีการรบกวน	ผลต่าง	ตัวแปรค่า	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงรบกวน	ค่าเฉลี่ย	ค่าปรับ
					กลางวัน	กลางคืน			
04:00 AM - 04:05 AM	50.6	48.5	2.1	4.5	-	49.1	46.1	3.0	-
04:05 AM - 04:10 AM	50.6	48.4	2.2	4.5	-	49.1	45.9	3.2	-
04:10 AM - 04:15 AM	50.0	49.0	1.0	7.0	-	46.0	46.6	-0.6	-
04:15 AM - 04:20 AM	50.0	47.5	2.5	3.0	-	50.0	45.8	4.2	-
04:20 AM - 04:25 AM	49.5	48.9	0.6	7.0	-	45.5	46.7	-1.2	-
04:25 AM - 04:30 AM	49.8	49.1	0.7	7.0	-	45.8	47.0	-1.2	-
04:30 AM - 04:35 AM	49.9	49.4	0.5	7.0	-	45.9	47.4	-1.5	-
04:35 AM - 04:40 AM	49.9	49.5	0.4	7.0	-	45.9	47.3	-1.4	-
04:40 AM - 04:45 AM	50.2	49.4	0.8	7.0	-	46.2	47.1	-0.9	-
04:45 AM - 04:50 AM	50.7	55.0	-4.3	7.0	-	46.7	47.0	-0.3	-
04:50 AM - 04:55 AM	50.9	50.6	0.3	7.0	-	46.9	48.1	-1.2	-
04:55 AM - 05:00 AM	50.4	51.0	-0.6	7.0	-	46.4	48.6	-2.2	-
05:00 AM - 05:05 AM	49.5	50.9	-1.4	7.0	-	45.5	47.5	-2.0	-
05:05 AM - 05:10 AM	50.7	51.3	-0.6	7.0	-	46.7	48.7	-2.0	-
05:10 AM - 05:15 AM	51.0	52.0	-1.0	7.0	-	47.0	48.4	-1.4	-
05:15 AM - 05:20 AM	50.5	52.5	-2.0	7.0	-	46.5	48.8	-2.3	-
05:20 AM - 05:25 AM	52.6	53.0	-0.4	7.0	-	48.6	49.9	-1.3	-
05:25 AM - 05:30 AM	54.0	53.0	1.0	7.0	-	50.0	50.0	0.0	-
05:30 AM - 05:35 AM	54.5	56.7	-1.2	7.0	-	50.5	50.9	-0.4	-
05:35 AM - 05:40 AM	52.6	53.4	-0.8	7.0	-	48.6	50.6	-2.0	-
05:40 AM - 05:45 AM	53.3	53.3	0.0	7.0	-	49.3	50.3	-1.0	-
05:45 AM - 05:50 AM	52.6	53.8	-1.2	7.0	-	48.6	51.4	-2.8	-
05:50 AM - 05:55 AM	51.8	53.1	-1.3	7.0	-	47.8	50.5	-2.7	-
05:55 AM - 06:00 AM	54.6	51.1	3.5	2.0	-	55.6	48.3	7.3	-
06:00 AM - 07:00 AM	48.6	50.9	-2.3	7.0	41.6	-	46.8	-4.8	-
07:00 AM - 08:00 AM	48.0	49.7	-1.7	7.0	41.0	-	46.8	-3.8	-
08:00 AM - 09:00 AM	48.6	48.1	0.5	7.0	41.6	-	45.5	-3.9	-
09:00 AM - 10:00 AM	46.6	48.2	-1.6	7.0	39.6	-	45.3	-5.7	-
10:00 AM - 11:00 AM	47.2	45.8	1.4	7.0	40.2	-	44.2	-4.0	-
11:00 AM - 12:00 PM	46.8	46.0	-13.2	7.0	39.8	-	54.7	-14.9	-
12:00 PM - 01:00 PM	44.1	59.4	-15.3	7.0	37.1	-	42.7	-5.6	-
01:00 PM - 02:00 PM	45.0	63.3	-18.3	7.0	38.0	-	47.7	-19.7	-
ค่าเฉลี่ย									



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabanyaporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-5
Parameter : เสียงรบกวน
Location : ตำบลไผ่ล้อม/โครงการ (GPS 47P 0727094, 1432212)
Measurement Date : Aug 26 - 27, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 623393

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ระดับเสียง (dB(A))		ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับการรบกวน
			ผลต่าง	ตัวปรับค่า	ค่าจริง			
					กลางวัน	กลางคืน		
02:00 PM - 03:00 PM	47.1	53.1	-6.0	7.0	40.1	-	44.1	-4.0
03:00 PM - 04:00 PM	46.0	46.4	-0.4	7.0	39.0	-	43.7	-4.7
04:00 PM - 05:00 PM	44.9	46.3	-1.4	7.0	37.9	-	43.7	-5.8
05:00 PM - 06:00 PM	48.6	46.9	1.7	4.5	44.1	-	44.3	-0.2
06:00 PM - 07:00 PM	46.6	57.2	-10.6	7.0	39.6	-	55.7	-16.1
07:00 PM - 08:00 PM	52.5	58.4	-5.9	7.0	45.5	-	56.8	-11.3
08:00 PM - 09:00 PM	55.2	56.3	-1.1	7.0	48.2	-	54.5	-6.3
09:00 PM - 10:00 PM	55.3	54.8	0.5	7.0	48.3	-	52.7	-4.4
10:00 PM - 10:05 PM	56.8	54.8	2.0	4.5	-	55.3	53.1	2.2
10:05 PM - 10:10 PM	55.7	54.6	1.1	7.0	-	51.7	52.5	-0.8
10:10 PM - 10:15 PM	55.7	53.8	1.9	4.5	-	54.2	51.3	2.9
10:15 PM - 10:20 PM	55.9	52.4	3.5	2.0	-	56.9	50.9	6.0
10:20 PM - 10:25 PM	55.5	52.3	3.2	3.0	-	55.5	51.1	4.4
10:25 PM - 10:30 PM	54.5	53.2	1.3	7.0	-	50.5	51.7	-1.2
10:30 PM - 10:35 PM	55.4	52.7	2.7	3.0	-	55.4	51.2	4.2
10:35 PM - 10:40 PM	55.6	53.1	2.5	3.0	-	55.6	51.2	4.4
10:40 PM - 10:45 PM	55.2	52.1	3.1	3.0	-	55.2	50.6	4.6
10:45 PM - 10:50 PM	54.9	52.6	2.3	4.5	-	53.4	51.2	2.2
10:50 PM - 10:55 PM	54.7	53.7	1.0	7.0	-	50.7	52.1	-1.4
10:55 PM - 11:00 PM	54.7	53.5	1.2	7.0	-	50.7	51.6	-0.9
11:00 PM - 11:05 PM	50.1	53.8	-3.7	7.0	-	46.1	52.3	-6.2
11:05 PM - 11:10 PM	49.1	52.8	-3.7	7.0	-	45.1	51.0	-5.9
11:10 PM - 11:15 PM	48.4	52.6	-4.2	7.0	-	44.4	50.7	-6.3
11:15 PM - 11:20 PM	48.1	51.8	-3.7	7.0	-	44.1	51.8	-7.7
11:20 PM - 11:25 PM	48.3	54.2	-5.9	7.0	-	44.3	52.3	-8.0
11:25 PM - 11:30 PM	49.2	53.9	-4.7	7.0	-	45.2	52.1	-6.9
11:30 PM - 11:35 PM	53.5	53.5	0.0	7.0	-	49.5	51.8	-2.3
11:35 PM - 11:40 PM	53.2	53.2	0.0	7.0	-	49.2	51.6	-2.4
11:40 PM - 11:45 PM	53.4	52.7	0.7	7.0	-	49.4	50.8	-1.4
11:45 PM - 11:50 PM	52.5	52.7	-0.2	7.0	-	48.5	51.0	-2.5
11:50 PM - 11:55 PM	53.7	53.2	0.5	7.0	-	49.7	51.5	-1.8
11:55 PM - 12:00 AM	56.7	51.8	4.9	1.5	-	58.2	50.0	8.2
12:00 AM - 12:05 AM	55.8	51.7	4.1	2.0	-	56.8	49.9	6.9
12:05 AM - 12:10 AM	56.7	52.6	4.1	2.0	-	57.7	50.5	7.2
12:10 AM - 12:15 AM	56.7	52.2	4.5	1.5	-	58.2	50.4	7.8
12:15 AM - 12:20 AM	56.4	52.1	4.3	2.0	-	57.4	50.7	6.7
12:20 AM - 12:25 AM	56.1	51.7	4.4	2.0	-	57.1	50.1	7.0
12:25 AM - 12:30 AM	57.1	51.5	5.6	1.5	-	58.6	49.6	9.0
12:30 AM - 12:35 AM	56.6	51.3	5.3	1.5	-	58.1	50.0	8.1
12:35 AM - 12:40 AM	55.4	52.0	3.4	3.0	-	55.4	50.5	4.9

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Approved by

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabanyaporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-5
Parameter : เสียงรบกวน
Location : ตำบลไผ่ล้อม/โครงการ (GPS 47P 0727094, 1432212)
Measurement Date : Aug 26 - 27, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 623393

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ระดับเสียง (dB(A))		ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับการรบกวน
			ผลต่าง	ตัวปรับค่า		ค่าจริง			
						กลางวัน	กลางคืน		
04:00 AM - 04:05 AM	56.1	48.5	7.6	0.5	-	58.6	46.1	12.5	
04:05 AM - 04:10 AM	56.3	48.4	7.9	0.5	-	58.8	45.9	12.9	
04:10 AM - 04:15 AM	56.6	49.0	7.6	0.5	-	59.1	46.6	12.5	
04:15 AM - 04:20 AM	57.1	47.5	9.6	0.5	-	59.6	45.8	13.8	
04:20 AM - 04:25 AM	57.4	48.9	8.5	0.5	-	59.9	46.7	13.2	
04:25 AM - 04:30 AM	45.4	49.1	-3.7	7.0	-	41.4	47.0	-5.6	
04:30 AM - 04:35 AM	45.8	49.4	-3.6	7.0	-	41.8	47.4	-5.6	
04:35 AM - 04:40 AM	46.2	49.5	-3.3	7.0	-	42.2	47.3	-5.1	
04:40 AM - 04:45 AM	48.5	49.4	-0.9	7.0	-	44.5	47.1	-2.6	
04:45 AM - 04:50 AM	54.2	55.0	-0.8	7.0	-	50.2	47.7	2.5	
04:50 AM - 04:55 AM	56.4	50.6	5.8	1.5	-	57.9	48.1	9.8	
04:55 AM - 05:00 AM	55.2	51.0	4.2	2.0	-	56.2	48.6	7.6	
05:00 AM - 05:05 AM	54.4	50.9	3.5	2.0	-	55.4	47.5	7.9	
05:05 AM - 05:10 AM	54.5	51.3	3.2	3.0	-	54.5	47.9	6.6	
05:10 AM - 05:15 AM	56.5	52.0	4.5	1.5	-	58.0	48.4	9.6	
05:15 AM - 05:20 AM	54.8	52.5	2.3	4.5	-	53.3	48.8	4.5	
05:20 AM - 05:25 AM	56.3	53.0	3.3	3.0	-	56.3	49.9	6.4	
05:25 AM - 05:30 AM	56.8	53.0	3.8	2.0	-	57.8	50.0	7.8	
05:30 AM - 05:35 AM	56.7	55.7	1.0	7.0	-	52.7	50.9	1.8	
05:35 AM - 05:40 AM	55.6	53.4	2.2	4.5	-	54.1	50.6	3.5	
05:40 AM - 05:45 AM	50.4	53.3	-2.9	7.0	-	46.4	50.3	-3.9	
05:45 AM - 05:50 AM	49.7	53.8	-4.1	7.0	-	45.7	51.4	-5.7	
05:50 AM - 05:55 AM	53.6	53.1	0.5	7.0	-	49.6	50.5	-0.9	
05:55 AM - 06:00 AM	56.3	51.1	5.2	1.5	-	57.8	48.3	9.5	
06:00 AM - 07:00 AM	48.8	50.9	-2.1	7.0	41.8	-	48.4	-6.6	
07:00 AM - 08:00 AM	45.7	49.7	-4.0	7.0	38.7	-	46.8	-8.1	
08:00 AM - 09:00 AM	46.2	48.1	-1.9	7.0	39.2	-	45.5	-6.3	
09:00 AM - 10:00 AM	49.4	48.2	1.2	7.0	42.4	-	45.3	-2.9	
10:00 AM - 11:00 AM	44.8	45.8	-1.0	7.0	37.8	-	44.8	-6.2	
11:00 AM - 12:00 PM	44.7	60.0	-15.3	7.0	37.0	-	54.7	-17.0	
12:00 PM - 01:00 PM	44.6	59.4	-14.8	7.0	37.6	-	42.7	-5.1	
01:00 PM - 02:00 PM	45.7	63.3	-17.6	7.0	38.7	-	57.7	-19.0	

Reference Method :

- ISO 1996-1
- ประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

หมายเหตุ :

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
- ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานเสียงที่เกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

ระดับเสียงตามมาตรฐานข้างต้น ค่ามาตรฐาน วันที่ 26-27 ตุลาคม 2566

ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีกิจกรรม (Sample No.2397467-1 วันที่ตรวจวัด 29-30 ตุลาคม 2566)

The above results are valid only for the analyzed/checked sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wiwann Borirak
Manager

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabanyaporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-5
Parameter : เสียงรบกวน
Location : ตำบลไผ่ล้อม/โครงการ (GPS 47P 0727094, 1432212)
Measurement Date : Aug 26 - 27, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 623393

ระดับเสียง (dB(A))								
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ผลต่างระหว่างเสียง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	การรบกวนการคำนวณ
					กลางวัน	กลางคืน		
12:40 AM - 12:45 AM	52.2	54.0	-1.8	7.0	-	48.2	53.0	-4.8
12:45 AM - 12:50 AM	53.0	53.9	-0.9	7.0	-	49.0	52.9	-3.9
12:50 AM - 12:55 AM	56.4	53.2	3.2	3.0	-	56.4	51.3	5.1
12:55 AM - 01:00 AM	51.1	52.4	-1.3	7.0	-	47.1	51.0	-3.9
01:00 AM - 01:05 AM	47.2	52.1	-4.9	7.0	-	43.2	50.8	-7.6
01:05 AM - 01:10 AM	47.4	51.2	-3.8	7.0	-	43.4	49.6	-6.2
01:10 AM - 01:15 AM	47.2	51.7	-4.5	7.0	-	43.2	50.1	-6.9
01:15 AM - 01:20 AM	48.0	52.7	-4.7	7.0	-	43.0	51.0	-8.0
01:20 AM - 01:25 AM	48.1	52.8	-4.7	7.0	-	44.1	50.8	-6.7
01:25 AM - 01:30 AM	48.7	53.3	-4.6	7.0	-	44.7	51.4	-6.7
01:30 AM - 01:35 AM	47.4	53.2	-5.8	7.0	-	43.4	51.2	-7.8
01:35 AM - 01:40 AM	47.0	53.2	-6.2	7.0	-	43.0	51.2	-8.2
01:40 AM - 01:45 AM	47.0	53.3	-6.3	7.0	-	43.0	51.0	-8.0
01:45 AM - 01:50 AM	47.3	53.6	-6.3	7.0	-	43.3	51.5	-8.2
01:50 AM - 01:55 AM	46.8	53.2	-6.4	7.0	-	42.8	50.8	-8.0
01:55 AM - 02:00 AM	46.1	53.2	-7.1	7.0	-	42.1	50.7	-8.6
02:00 AM - 02:05 AM	54.8	53.2	1.6	4.5	-	53.3	50.9	2.4
02:05 AM - 02:10 AM	56.2	52.9	3.3	3.0	-	56.2	50.4	5.8
02:10 AM - 02:15 AM	56.7	53.2	3.5	2.0	-	57.7	51.1	6.6
02:15 AM - 02:20 AM	56.3	53.6	2.7	3.0	-	56.3	51.3	5.0
02:20 AM - 02:25 AM	56.3	53.2	3.1	3.0	-	56.3	51.0	5.3
02:25 AM - 02:30 AM	56.3	53.5	2.8	3.0	-	56.3	51.3	5.0
02:30 AM - 02:35 AM	56.5	53.3	3.2	3.0	-	56.5	51.2	5.3
02:35 AM - 02:40 AM	56.0	53.4	2.6	3.0	-	56.0	50.8	5.2
02:40 AM - 02:45 AM	56.0	53.0	3.0	3.0	-	56.0	50.0	6.0
02:45 AM - 02:50 AM	56.1	53.0	3.1	3.0	-	56.1	50.0	6.1
02:50 AM - 02:55 AM	56.8	49.5	7.3	1.0	-	58.8	47.6	11.2
02:55 AM - 03:00 AM	56.3	48.9	7.4	1.0	-	58.3	47.0	11.3
03:00 AM - 03:05 AM	56.6	49.8	6.8	1.0	-	58.6	47.9	10.7
03:05 AM - 03:10 AM	56.6	49.5	7.1	1.0	-	58.6	47.3	11.3
03:10 AM - 03:15 AM	56.4	50.8	5.6	1.5	-	57.9	48.2	9.7
03:15 AM - 03:20 AM	55.6	51.1	4.5	1.5	-	57.1	48.6	8.5
03:20 AM - 03:25 AM	56.4	52.4	4.0	2.0	-	57.4	49.0	8.4
03:25 AM - 03:30 AM	57.2	53.5	3.7	2.0	-	58.2	49.5	8.7
03:30 AM - 03:35 AM	57.3	52.4	4.9	1.5	-	49.8	49.0	9.5
03:35 AM - 03:40 AM	52.3	51.3	1.0	1.5	-	58.8	49.8	9.0
03:40 AM - 03:45 AM	57.1	51.8	5.3	1.5	-	58.6	49.2	9.4
03:45 AM - 03:50 AM	56.9	52.2	4.7	1.5	-	58.4	49.0	9.4
03:50 AM - 03:55 AM	55.8	51.6	4.2	2.0	-	56.8	47.8	9.0
03:55 AM - 04:00 AM	50.9	50.9	0.0	2.0	-	50.9	47.8	9.4



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangpuri, A. Phrakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. 2397466-6
Parameter เลื่อนรถขน
Location ท่าเทียบเรือโรงงาน (GPS 47P 0727094, 1432212)
Measurement Date Aug 27 - 28, 2023
Measurement by Sawai Tonpho
Sound Level Meter 623393

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขน	ระดับเสียง (dB(A))		ค่าระดับการขน
			ผลต่าง	ค่าปรับ	
12:40 AM - 12:45 AM	53.0	54.0	-1.0	7.0	-4.0
12:45 AM - 12:50 AM	48.6	53.9	-5.3	7.0	-4.6
12:50 AM - 12:55 AM	47.9	53.2	-5.3	7.0	-4.9
12:55 AM - 01:00 AM	48.0	53.4	-4.4	7.0	-4.0
01:00 AM - 01:05 AM	48.7	52.1	-3.4	7.0	-4.7
01:05 AM - 01:10 AM	49.6	51.2	-1.6	7.0	-4.0
01:10 AM - 01:15 AM	49.0	51.7	-2.7	7.0	-5.1
01:15 AM - 01:20 AM	48.3	52.7	-4.4	7.0	-4.3
01:20 AM - 01:25 AM	48.1	52.8	-4.7	7.0	-4.7
01:25 AM - 01:30 AM	47.3	53.3	-6.0	7.0	-4.3
01:30 AM - 01:35 AM	47.8	53.2	-5.4	7.0	-4.8
01:35 AM - 01:40 AM	47.3	53.2	-5.9	7.0	-4.3
01:40 AM - 01:45 AM	47.2	53.3	-6.1	7.0	-4.3
01:45 AM - 01:50 AM	48.5	53.6	-5.1	7.0	-4.5
01:50 AM - 01:55 AM	53.3	53.2	0.1	7.0	-4.9
01:55 AM - 02:00 AM	48.6	53.2	-4.6	7.0	-4.6
02:00 AM - 02:05 AM	47.1	53.2	-6.1	7.0	-4.3
02:05 AM - 02:10 AM	46.1	52.9	-6.8	7.0	-4.2
02:10 AM - 02:15 AM	50.2	53.2	-3.0	7.0	-4.6
02:15 AM - 02:20 AM	55.2	53.6	1.6	4.5	-5.7
02:20 AM - 02:25 AM	46.2	53.2	-7.0	7.0	-4.2
02:25 AM - 02:30 AM	45.9	53.5	-7.6	7.0	-4.9
02:30 AM - 02:35 AM	45.7	53.3	-7.6	7.0	-4.7
02:35 AM - 02:40 AM	45.7	53.4	-7.7	7.0	-4.7
02:40 AM - 02:45 AM	45.0	53.0	-8.0	7.0	-4.0
02:45 AM - 02:50 AM	51.9	53.0	-1.1	7.0	-4.9
02:50 AM - 02:55 AM	56.2	49.5	6.7	1.0	-5.8
02:55 AM - 03:00 AM	56.9	49.5	7.4	0.5	-5.4
03:00 AM - 03:05 AM	56.9	49.8	7.1	1.0	-5.8
03:05 AM - 03:10 AM	57.1	49.5	7.6	0.5	-5.6
03:10 AM - 03:15 AM	56.8	50.8	6.0	1.5	-5.8
03:15 AM - 03:20 AM	56.9	51.1	5.8	7.0	-5.4
03:20 AM - 03:25 AM	56.6	52.4	4.2	2.0	-5.6
03:25 AM - 03:30 AM	56.4	53.5	2.9	3.0	-5.6
03:30 AM - 03:35 AM	56.7	52.4	4.3	2.0	-5.7
03:35 AM - 03:40 AM	56.3	52.4	3.9	2.0	-5.7
03:40 AM - 03:45 AM	56.5	51.8	4.7	1.5	-5.8
03:45 AM - 03:50 AM	53.5	52.2	1.3	7.0	-4.9
03:50 AM - 03:55 AM	45.2	51.6	-6.4	7.0	-4.2
03:55 AM - 04:00 AM	44.9	50.0	-5.1	7.0	-4.0

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangpuri, A. Phrakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. 2397466-7
Parameter เลื่อนรถขน
Location ท่าเทียบเรือโรงงาน (GPS 47P 0727094, 1432212)
Measurement Date Aug 28 - 29, 2023
Measurement by Sawai Tonpho
Sound Level Meter 623393

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขน	ระดับเสียง (dB(A))		ค่าระดับการขน
			ผลต่าง	ค่าปรับ	
02:00 PM - 02:05 PM	53.8	53.1	0.7	7.0	2.7
02:05 PM - 02:10 PM	51.8	46.4	5.4	1.5	50.3
02:10 PM - 02:15 PM	51.1	46.3	4.8	1.5	49.6
02:15 PM - 02:20 PM	50.1	46.9	3.2	3.0	47.3
02:20 PM - 02:25 PM	49.4	57.2	-7.8	7.0	42.4
02:25 PM - 02:30 PM	49.9	58.4	-8.5	7.0	42.9
02:30 PM - 02:35 PM	51.7	56.3	-4.6	7.0	44.7
02:35 PM - 02:40 PM	50.8	58.8	-8.0	7.0	43.8
02:40 PM - 02:45 PM	51.1	54.8	-3.7	7.0	47.1
02:45 PM - 02:50 PM	50.4	54.6	-4.2	7.0	46.4
02:50 PM - 02:55 PM	50.0	53.8	-3.8	7.0	46.0
02:55 PM - 03:00 PM	50.1	52.5	-2.3	7.0	46.1
03:00 PM - 03:05 PM	49.8	52.3	-2.5	7.0	45.8
03:05 PM - 03:10 PM	49.8	53.2	-3.4	7.0	45.8
03:10 PM - 03:15 PM	49.5	52.7	-3.2	7.0	45.5
03:15 PM - 03:20 PM	48.9	53.1	-4.2	7.0	44.9
03:20 PM - 03:25 PM	48.9	52.1	-3.2	7.0	44.9
03:25 PM - 03:30 PM	49.2	52.6	-3.4	7.0	45.2
03:30 PM - 03:35 PM	49.5	53.7	-4.2	7.0	45.5
03:35 PM - 03:40 PM	49.5	52.5	-3.0	7.0	45.5
03:40 PM - 03:45 PM	49.0	53.8	-4.8	7.0	45.0
03:45 PM - 03:50 PM	48.9	52.8	-3.9	7.0	44.9
03:50 PM - 03:55 PM	49.2	52.6	-3.4	7.0	44.9
03:55 PM - 04:00 PM	49.6	53.6	-4.0	7.0	45.6
04:00 PM - 04:05 PM	51.4	54.2	-2.8	7.0	47.4
04:05 PM - 04:10 PM	57.1	53.9	3.2	3.0	57.1
04:10 PM - 04:15 PM	56.5	53.5	3.0	3.0	56.5
04:15 PM - 04:20 PM	57.0	52.0	5.0	3.0	57.0
04:20 PM - 04:25 PM	52.5	52.7	-0.2	7.0	48.5
04:25 PM - 04:30 PM	53.5	52.7	0.8	7.0	49.0
04:30 PM - 04:35 PM	54.0	53.2	0.8	7.0	50.0
04:35 PM - 04:40 AM	54.4	51.8	2.6	3.0	54.4
04:40 AM - 04:45 AM	54.0	51.7	2.3	4.5	52.5
04:45 AM - 04:50 AM	54.5	52.6	1.9	4.5	53.0
04:50 AM - 04:55 AM	54.1	52.1	2.0	4.5	52.6
04:55 AM - 05:00 AM	52.5	48.5	4.0	7.0	50.7
05:00 AM - 05:05 AM	56.1	51.7	4.4	2.0	57.1
05:05 AM - 05:10 AM	55.9	51.5	4.4	2.0	56.9
05:10 AM - 05:15 AM	56.9	51.3	5.6	1.5	58.4
05:15 AM - 05:20 AM	57.0	52.0	5.0	1.5	58.5

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangpuri, A. Phrakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. 2397466-6
Parameter เลื่อนรถขน
Location ท่าเทียบเรือโรงงาน (GPS 47P 0727094, 1432212)
Measurement Date Aug 27 - 28, 2023
Measurement by Sawai Tonpho
Sound Level Meter 623393

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขน	ระดับเสียง (dB(A))		ค่าระดับการขน
			ผลต่าง	ค่าปรับ	
04:00 AM - 04:05 AM	46.6	48.5	-1.9	7.0	-4.0
04:05 AM - 04:10 AM	46.0	48.4	-2.4	7.0	-4.0
04:10 AM - 04:15 AM	46.7	49.0	-2.3	7.0	-4.2
04:15 AM - 04:20 AM	46.5	47.5	-1.0	7.0	-4.2
04:20 AM - 04:25 AM	45.8	48.9	-3.1	7.0	-4.8
04:25 AM - 04:30 AM	47.9	49.1	-1.2	7.0	-4.9
04:30 AM - 04:35 AM	48.4	49.4	-1.0	7.0	-4.4
04:35 AM - 04:40 AM	51.1	49.5	1.6	4.5	-4.6
04:40 AM - 04:45 AM	56.0	49.4	6.6	1.0	-5.0
04:45 AM - 04:50 AM	57.5	55.0	2.5	3.0	-5.7
04:50 AM - 04:55 AM	57.5	50.6	6.9	1.0	-5.5
04:55 AM - 05:00 AM	57.4	51.0	6.4	1.5	-5.8
05:00 AM - 05:05 AM	57.4	50.9	6.5	1.0	-5.4
05:05 AM - 05:10 AM	57.2	51.3	5.9	1.5	-5.8
05:10 AM - 05:15 AM	56.4	52.0	4.4	2.0	-5.7
05:15 AM - 05:20 AM	56.6	52.5	4.1	2.0	-5.6
05:20 AM - 05:25 AM	56.2	53.0	3.2	3.0	-5.6
05:25 AM - 05:30 AM	56.6	53.0	3.6	2.0	-5.7
05:30 AM - 05:35 AM	57.0	55.7	1.3	7.0	-5.0
05:35 AM - 05:40 AM	57.5	53.4	4.1	2.0	-5.5
05:40 AM - 05:45 AM	57.1	53.3	3.8	2.0	-5.8
05:45 AM - 05:50 AM	57.1	53.8	3.3	3.0	-5.7
05:50 AM - 05:55 AM	56.8	53.1	3.7	2.0	-5.8
05:55 AM - 06:00 AM	53.8	51.1	2.7	3.0	-5.8
06:00 AM - 07:00 AM	47.0	50.9	-3.9	7.0	40.0
07:00 AM - 08:00 AM	46.9	49.7	-2.8	7.0	39.9
08:00 AM - 09:00 AM	48.3	48.1	0.2	7.0	41.3
09:00 AM - 10:00 AM	55.4	48.2	7.2	1.0	54.4
10:00 AM - 11:00 AM	52.2	45.8	6.4	7.0	50.7
11:00 AM - 12:00 PM	50.9	46.0	4.9	7.0	43.9
12:00 PM - 01:00 PM	44.3	59.4	-15.1	7.0	37.3
01:00 PM - 02:00 PM	49.6	63.3	-13.7	7.0	42.6

Reference Method :

- ISO 1996-1
- ประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่คาดการณ์การรบกวนจากโรงงาน พ.ศ. 2553

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่คาดการณ์การรบกวนจากโรงงาน พ.ศ. 2548
- ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดมาตรฐานคุณภาพเสียงรบกวนที่คาดการณ์การรบกวนจากโรงงานที่เป็นแหล่งอุตสาหกรรม พ.ศ. 2561

ระดับเสียงจากแหล่งกำเนิด ค่าการรบกวนที่ 27-28 สิงหาคม 2566

ระดับเสียงที่ฐานและระดับเสียงขณะไม่มีการขน (Sample No.2397467-1) วันที่ตรวจวัด 29-30 ตุลาคม 2566)

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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Wilawan Borirak
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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangpuri, A. Phrakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. 2397466-7
Parameter เลื่อนรถขน
Location ท่าเทียบเรือโรงงาน (GPS 47P 0727094, 1432212)
Measurement Date Aug 28 - 29, 2023
Measurement by Sawai Tonpho
Sound Level Meter 623393

ระดับเสียง (dB(A))						เสียงที่ขนาน		ค่าระดับการขนาน	
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขนาน	ผลต่าง	ค่าปรับ	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงที่ขนาน	ค่าระดับการขนาน	
					กลางวัน	กลางคืน			
12:40 AM - 12:45 AM	56.9	54.0	2.9	3.0	-	56.9	53.0	3.9	
12:45 AM - 12:50 AM	56.6	53.9	2.7	3.0	-	56.6	52.9	3.7	
12:50 AM - 12:55 AM	50.2	53.2	-3.0	7.0	-	46.2	53.1	-6.1	
12:55 AM - 01:00 AM	48.6	52.4	-3.8	7.0	-	44.6	51.0	-6.4	
01:00 AM - 01:05 AM	48.8	52.1	-3.3	7.0	-	44.8	50.8	-6.0	
01:05 AM - 01:10 AM	48.2	51.2	-3.0	7.0	-	44.2	49.6	-5.4	
01:10 AM - 01:15 AM	46.9	51.7	-4.8	7.0	-	42.9	50.1	-7.0	
01:15 AM - 01:20 AM	46.4	52.7	-6.3	7.0	-	42.4	51.0	-8.6	
01:20 AM - 01:25 AM	47.6	52.8	-5.2	7.0	-	43.6	50.8	-7.2	
01:25 AM - 01:30 AM	47.6	53.3	-5.7	7.0	-	43.6	51.4	-7.8	
01:30 AM - 01:35 AM	48.7	53.2	-4.5	7.0	-	44.7	51.7	-6.9	
01:35 AM - 01:40 AM	49.8	53.2	-3.4	7.0	-	45.8	51.2	-5.4	
01:40 AM - 01:45 AM	46.9	53.3	-6.4	7.0	-	42.9	51.0	-8.1	
01:45 AM - 01:50 AM	44.9	53.6	-8.7	7.0	-	40.9	51.5	-10.6	
01:50 AM - 01:55 AM	48.0	53.2	-5.2	7.0	-	44.0	50.8	-6.8	
01:55 AM - 02:00 AM	48.2	53.2	-5.0	7.0	-	44.2	50.7	-6.5	
02:00 AM - 02:05 AM	45.8	53.2	-7.4	7.0	-	41.8	50.9	-9.1	
02:05 AM - 02:10 AM	45.6	52.9	-7.3	7.0	-	41.6	50.4	-8.8	
02:10 AM - 02:15 AM	46.5	53.2	-6.7	7.0	-	42.5	51.1	-8.6	
02:15 AM - 02:20 AM	45.5	53.6	-8.1	7.0	-	41.5	51.3	-9.8	
02:20 AM - 02:25 AM	45.7	53.2	-7.5	7.0	-	41.7	51.0	-9.3	
02:25 AM - 02:30 AM	45.7	53.5	-7.8	7.0	-	41.7	51.3	-9.6	
02:30 AM - 02:35 AM	54.4	53.3	1.1	7.0	-	50.4	51.1	-0.8	
02:35 AM - 02:40 AM	55.2	52.4	2.8	1.5	-	53.7	50.8	2.9	
02:40 AM - 02:45 AM	55.0	53.0	2.0	3.0	-	55.9	50.0	5.9	
02:45 AM - 02:50 AM	53.1	53.0	0.1	7.0	-	49.1	50.0	-0.9	
02:50 AM - 02:55 AM	49.5	49.5	7.4	1.5	-	56.9	49.6	11.3	
02:55 AM - 03:00 AM	57.6	48.9	8.7	0.5	-	60.1	47.0	13.1	
03:00 AM - 03:05 AM	56.7	49.8	6.9	1.0	-	58.7	47.9	10.8	
03:05 AM - 03:10 AM	56.9	49.9	7.0	1.0	-	58.9	47.3	11.6	
03:10 AM - 03:15 AM	56.6	50.8	5.8	1.5	-	58.1	46.2	9.9	
03:15 AM - 03:20 AM	56.7	51.1	5.6	1.5	-	58.1	46.6	9.5	
03:20 AM - 03:25 AM	56.5	52.4	4.1	2.0	-	57.5	49.0	8.5	
03:25 AM - 03:30 AM	56.9	53.5	3.4	3.0	-	56.9	49.5	7.4	
03:30 AM - 03:35 AM	56.9	52.4	3.5	2.0	-	56.9	49.3	7.6	
03:35 AM - 03:40 AM	50.4	51.1	-0.7	2.0	-	46.9	49.8	-2.4	
03:40 AM - 03:45 AM	55.0	51.8	4.2	2.0	-	57.0	49.2	7.8	
03:45 AM - 03:50 AM	55.6	52.2	3.4	3.0	-	55.6	49.0	6.6	
03:50 AM - 03:55 AM	55.8	51.6	4.2	1.5	-	56.8	47.8	9.0	
03:55 AM - 04:00 AM	54.6	50.0	4.6	1.5	-	54.6	47.1	7.5	



Analysis / Test Report

Client : UACI (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporna, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-7
Parameter : เสียงรบกวน
Location : ตำบลโคกสูง อ.โคกสูง จ.ระยอง (GPS 47P 0727094, 1432212)
Measurement Date : Aug 28 - 29, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 623389

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนไม่มีการรบกวน	ระดับเสียง (dB(A))		ปรับค่าเสียงจากแหล่งกำเนิด		เสียงที่ปรากฏ	ค่าระดับการรบกวน
			ผลต่าง	ตัวปรับค่า	ผลต่าง	ค่าระดับ		
04:00 AM - 04:05 AM	54.9	48.5	6.4	1.5	-	56.4	46.1	10.3
04:05 AM - 04:10 AM	54.7	48.4	6.3	1.5	-	56.2	45.9	10.3
04:10 AM - 04:15 AM	55.2	49.0	6.2	1.5	-	56.7	46.6	10.1
04:15 AM - 04:20 AM	54.9	47.5	7.4	1.0	-	56.9	45.8	11.1
04:20 AM - 04:25 AM	53.5	48.9	4.6	1.0	-	57.5	46.7	10.8
04:25 AM - 04:30 AM	54.2	49.1	5.1	1.5	-	55.7	47.0	8.7
04:30 AM - 04:35 AM	54.3	49.4	4.9	1.5	-	55.8	47.4	8.4
04:35 AM - 04:40 AM	53.5	49.5	4.0	2.0	-	54.5	47.3	7.2
04:40 AM - 04:45 AM	53.0	49.4	3.6	2.0	-	54.0	47.1	6.9
04:45 AM - 04:50 AM	53.3	55.0	-1.7	7.0	-	49.3	47.7	1.6
04:50 AM - 04:55 AM	47.6	50.6	-3.0	7.0	-	43.6	48.1	-4.5
04:55 AM - 05:00 AM	47.5	51.0	-3.5	7.0	-	43.5	48.6	-5.1
05:00 AM - 05:05 AM	47.0	50.9	-3.9	7.0	-	43.0	47.5	-4.5
05:05 AM - 05:10 AM	47.6	51.3	-3.7	7.0	-	43.6	47.9	-4.3
05:10 AM - 05:15 AM	52.3	52.0	0.3	7.0	-	48.3	48.4	-0.1
05:15 AM - 05:20 AM	48.6	52.5	-3.9	7.0	-	44.6	48.8	-4.2
05:20 AM - 05:25 AM	48.3	53.0	-4.7	7.0	-	44.3	49.9	-5.6
05:25 AM - 05:30 AM	48.2	53.0	-4.8	7.0	-	44.2	50.0	-5.8
05:30 AM - 05:35 AM	55.7	55.7	0.0	7.0	-	51.7	50.9	0.8
05:35 AM - 05:40 AM	53.5	53.4	0.1	7.0	-	49.5	50.6	-1.1
05:40 AM - 05:45 AM	55.2	53.3	1.9	4.5	-	53.7	50.3	3.4
05:45 AM - 05:50 AM	57.3	53.8	3.5	2.0	-	58.3	51.4	6.9
05:50 AM - 05:55 AM	52.4	53.1	-0.7	7.0	-	48.4	50.5	-2.1
05:55 AM - 06:00 AM	52.2	51.1	1.1	7.0	-	48.2	48.3	-0.1
06:00 AM - 07:00 AM	48.2	50.9	-2.7	7.0	41.2	48.2	48.2	0.0
07:00 AM - 08:00 AM	48.1	49.7	-1.6	7.0	41.1	46.8	45.7	1.1
08:00 AM - 09:00 AM	48.6	48.1	0.5	7.0	41.6	45.5	43.9	1.6
09:00 AM - 10:00 AM	49.0	48.2	0.8	7.0	42.0	45.3	43.3	2.0
10:00 AM - 11:00 AM	48.6	48.6	0.0	7.0	42.4	44.2	41.4	2.8
11:00 AM - 12:00 PM	46.2	60.0	-13.8	7.0	39.2	54.7	45.5	9.2
12:00 PM - 01:00 PM	44.1	59.4	-15.3	7.0	37.1	42.7	45.6	-2.9
01:00 PM - 02:00 PM	47.6	63.3	-15.7	7.0	40.6	57.7	47.1	10.6

Reference Method :
1. ISO 1996-1
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

หมายเหตุ :
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่ามาตรฐานเสียงรบกวนที่เกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
2. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานเสียงรบกวนที่เกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
ระดับเสียงจากแหล่งกำเนิด พิจารณาตรวจวัด วันที่ 28-29 ตุลาคม 2566
ระดับเสียงที่ปรากฏและระดับเสียงรบกวนไม่มีการรบกวน (Sample No.2397467-1) พิจารณาตรวจวัด วันที่ 29-30 ตุลาคม 2566

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Analysis / Test Report

Client : UACI (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporna, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-8
Parameter : เสียงรบกวน
Location : ตำบลโคกสูง อ.โคกสูง จ.ระยอง (GPS 47P 0727793, 1433011)
Measurement Date : Aug 22 - 23, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 623389

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนไม่มีการรบกวน	ระดับเสียง (dB(A))		ปรับค่าเสียงจากแหล่งกำเนิด		เสียงที่ปรากฏ	ค่าระดับการรบกวน
			ผลต่าง	ตัวปรับค่า	ผลต่าง	ค่าระดับ		
12:40 AM - 12:45 AM	54.8	51.7	3.1	3.0	-	54.8	47.3	7.5
12:45 AM - 12:50 AM	53.9	57.8	-3.9	7.0	-	49.9	47.3	2.6
12:50 AM - 12:55 AM	54.9	54.4	0.5	7.0	-	50.9	48.1	2.8
12:55 AM - 01:00 AM	53.8	55.2	-1.4	7.0	-	49.8	48.0	1.8
01:00 AM - 01:05 AM	54.3	50.3	4.0	4.5	-	52.8	49.6	3.2
01:05 AM - 01:10 AM	55.0	50.1	4.9	1.5	-	56.5	49.2	7.3
01:10 AM - 01:15 AM	53.6	62.4	-8.8	7.0	-	49.6	48.8	0.8
01:15 AM - 01:20 AM	58.1	49.9	8.2	1.5	-	56.6	48.1	8.5
01:20 AM - 01:25 AM	53.9	51.9	2.0	4.5	-	52.4	46.8	5.6
01:25 AM - 01:30 AM	53.3	52.6	0.7	7.0	-	49.3	46.7	2.6
01:30 AM - 01:35 AM	54.1	52.5	1.6	4.5	-	52.6	46.1	6.5
01:35 AM - 01:40 AM	53.5	53.9	-0.4	7.0	-	49.5	46.4	3.1
01:40 AM - 01:45 AM	54.4	48.1	6.3	1.5	-	55.9	46.2	9.7
01:45 AM - 01:50 AM	54.0	49.1	4.9	1.5	-	55.5	46.4	9.1
01:50 AM - 01:55 AM	53.2	50.1	3.1	3.0	-	53.2	48.0	5.2
01:55 AM - 02:00 AM	53.5	50.1	3.4	3.0	-	53.5	47.3	6.2
02:00 AM - 02:05 AM	55.7	46.7	9.0	0.5	-	58.2	46.1	12.1
02:05 AM - 02:10 AM	54.3	47.8	6.5	1.0	-	56.3	46.1	10.2
02:10 AM - 02:15 AM	53.2	46.6	6.6	1.0	-	55.2	46.2	9.0
02:15 AM - 02:20 AM	53.9	49.5	4.4	2.0	-	54.9	45.9	9.0
02:20 AM - 02:25 AM	53.7	50.3	3.6	1.5	-	55.2	45.6	9.6
02:25 AM - 02:30 AM	53.4	48.2	5.2	1.5	-	54.9	46.9	8.0
02:30 AM - 02:35 AM	55.2	47.9	7.3	1.0	-	57.2	47.4	9.8
02:35 AM - 02:40 AM	53.1	47.9	5.2	1.5	-	54.6	47.2	7.4
02:40 AM - 02:45 AM	52.8	54.2	-1.4	7.0	-	48.8	47.1	1.7
02:45 AM - 02:50 AM	53.1	50.8	2.3	4.5	-	51.6	48.7	2.9
02:50 AM - 02:55 AM	59.3	52.3	7.0	1.0	-	61.3	48.6	12.7
02:55 AM - 03:00 AM	54.0	48.9	5.1	1.5	-	55.5	47.9	7.6
03:00 AM - 03:05 AM	53.3	49.7	3.6	2.0	-	54.3	45.9	8.4
03:05 AM - 03:10 AM	52.8	50.8	2.0	4.5	-	51.3	49.1	2.2
03:10 AM - 03:15 AM	53.9	53.2	0.7	7.0	-	49.9	48.5	1.4
03:15 AM - 03:20 AM	54.9	48.3	6.6	1.5	-	55.4	47.4	8.0
03:20 AM - 03:25 AM	54.1	48.1	6.0	1.5	-	55.6	47.5	8.1
03:25 AM - 03:30 AM	53.6	48.5	5.1	1.5	-	55.1	47.6	7.5
03:30 AM - 03:35 AM	53.0	52.1	0.9	7.0	-	49.0	48.5	0.5
03:35 AM - 03:40 AM	54.8	48.1	6.7	1.5	-	54.0	48.2	5.8
03:40 AM - 03:45 AM	55.4	50.0	5.4	1.5	-	56.9	47.5	9.4
03:45 AM - 03:50 AM	53.4	52.6	0.8	7.0	-	49.4	46.6	2.8
03:50 AM - 03:55 AM	55.2	49.6	5.6	1.5	-	56.7	46.2	10.5
03:55 AM - 04:00 AM	53.6	48.1	5.5	1.5	-	55.1	45.8	9.3

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wiwann Borirak
Manager

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Analysis / Test Report

Client : UACI (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporna, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-8
Parameter : เสียงรบกวน
Location : ตำบลโคกสูง อ.โคกสูง จ.ระยอง (GPS 47P 0727793, 1433011)
Measurement Date : Aug 22 - 23, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 623389

ตารางข้อมูลเสียง (dB(A))									
เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนไม่มีการรบกวน	ผลต่าง		ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงที่ปรากฏ	ค่าระดับการรบกวน
			ผลต่าง	ตัวปรับค่า		ผลต่าง	ค่าระดับ		
02:00 PM - 03:00 PM	60.7	61.7	-1.0	7.0	-	-	55.4	-1.7	
03:00 PM - 04:00 PM	60.4	60.1	0.3	7.0	-	-	53.5	-0.1	
04:00 PM - 05:00 PM	60.7	60.4	0.3	7.0	-	-	52.9	0.8	
05:00 PM - 06:00 PM	60.9	59.1	1.8	4.5	-	-	52.3	4.1	
06:00 PM - 07:00 PM	59.8	58.7	1.1	7.0	-	-	51.1	1.7	
07:00 PM - 08:00 PM	62.1	61.0	1.1	7.0	-	-	54.1	1.0	
08:00 PM - 09:00 PM	61.4	61.3	0.1	7.0	-	-	54.4	0.0	
09:00 PM - 10:00 PM	59.6	54.1	5.5	1.5	-	-	48.2	9.9	
10:00 PM - 10:05 PM	63.6	52.1	11.5	0.5	-	66.1	46.7	19.4	
10:05 PM - 10:10 PM	60.0	52.5	7.5	0.5	-	62.5	47.0	15.5	
10:10 PM - 10:15 PM	58.2	53.3	4.9	1.5	-	59.7	46.9	12.8	
10:15 PM - 10:20 PM	56.1	52.4	3.7	2.0	-	57.1	46.9	10.2	
10:20 PM - 10:25 PM	54.5	56.7	-2.2	7.0	-	50.5	47.9	2.6	
10:25 PM - 10:30 PM	57.9	54.3	3.6	2.0	-	58.9	48.3	10.6	
10:30 PM - 10:35 PM	55.1	50.3	4.8	1.5	-	56.6	48.2	8.4	
10:35 PM - 10:40 PM	56.8	56.2	0.6	7.0	-	51.8	48.5	8.4	
10:40 PM - 10:45 PM	57.5	53.1	4.4	2.0	-	58.5	47.7	10.8	
10:45 PM - 10:50 PM	55.4	52.7	2.7	3.0	-	55.4	47.4	8.0	
10:50 PM - 10:55 PM	54.2	52.2	2.0	4.5	-	52.7	47.5	5.2	
10:55 PM - 11:00 PM	54.6	50.8	3.8	2.0	-	55.6	47.2	8.4	
11:00 PM - 11:05 PM	56.6	50.4	6.2	1.5	-	58.1	46.9	11.2	
11:05 PM - 11:10 PM	56.4	52.9	3.5	2.0	-	57.4	47.3	10.1	
11:10 PM - 11:15 PM	55.2	54.7	0.5	7.0	-	51.2	48.6	2.6	
11:15 PM - 11:20 PM	55.0	51.2	3.8	2.0	-	56.0	47.3	8.7	
11:20 PM - 11:25 PM	57.2	49.0	8.2	0.5	-	59.7	47.1	12.6	
11:25 PM - 11:30 PM	56.0	51.8	4.2	2.0	-	57.0	47.6	9.4	
11:30 PM - 11:35 PM	58.2	51.3	6.9	1.0	-	60.2	47.4	12.8	
11:35 PM - 11:40 PM	54.9	50.9	4.0	2.0	-	55.9	47.4	8.5	
11:40 PM - 11:45 PM	54.4	58.4	-4.0	7.0	-	50.4	47.7	2.7	
11:45 PM - 11:50 PM	55.3	52.4	2.9	3.0	-	55.3	48.1	7.2	
11:50 PM - 11:55 PM	56.1	51.5	4.6	1.5	-	57.6	47.6	10.0	
11:55 PM - 12:00 AM	55.0	53.5	1.5	4.5	-	53.5	47.3	6.2	
12:00 AM - 12:05 AM	53.8	53.4	0.4	7.0	-	49.8	46.9	2.9	
12:05 AM - 12:10 AM	54.9	50.1	4.8	1.5	-	56.4	46.9	9.5	
12:10 AM - 12:15 AM	56.9	56.9	0.0	7.0	-	52.9	46.8	6.1	
12:15 AM - 12:20 AM	54.6	57.8	-3.2	7.0	-	50.6	46.9	3.7	
12:20 AM - 12:25 AM	55.5	47.3	8.2	0.5	-	58.0	46.7	11.3	
12:25 AM - 12:30 AM	53.5	58.6	-5.1	6.9	1.0	57.6	46.9	10.6	
12:30 AM - 12:35 AM	54.6	49.3	5.6	1.5	-	56.4	47.4	4.0	
12:35 AM - 12:40 AM	54.6	53.1	1.5	4.5	-	53.1	48.2	4.9	



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpang, A. Phrakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-9
Parameter : เสียงรบกวน
Location : ตำบลบ้านดอนคลองทราย (GPS 47P 0727793, 1433011)
Measurement Date : Aug 23 - 24, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 623389



TESTING
No.0042

Lot ID: 2397466
Date Received : Aug 30, 2023
Date Reported : Nov 03, 2023
Report Number : 2766768-1

Page 1 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ระดับเสียง (dB(A))				เสียงที่ถูกรบกวน	ค่าระดับการรบกวน
			ผลต่าง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด			
					ค่าจริง	ค่าปรับ		
02:00 PM - 03:00 PM	60.9	61.7	-0.8	7.0	53.9	-	55.4	-1.5
03:00 PM - 04:00 PM	61.9	60.1	1.8	4.5	57.4	-	53.5	3.9
04:00 PM - 05:00 PM	61.2	60.4	0.8	7.0	54.2	-	52.9	1.3
05:00 PM - 06:00 PM	62.4	59.1	3.3	3.0	59.4	-	52.3	7.1
06:00 PM - 07:00 PM	59.5	58.7	0.8	7.0	52.5	-	51.1	1.4
07:00 PM - 08:00 PM	61.2	61.0	0.2	7.0	54.1	-	54.1	0.1
08:00 PM - 09:00 PM	61.1	61.3	-0.2	7.0	54.1	-	54.4	-0.3
09:00 PM - 10:00 PM	56.6	54.1	2.5	3.0	53.6	-	48.2	5.4
10:00 PM - 10:05 PM	54.5	52.1	2.4	4.5	54.5	53.0	-	6.3
10:05 PM - 10:10 PM	56.4	52.5	3.9	2.0	-	57.4	47.0	10.4
10:10 PM - 10:15 PM	54.0	53.3	0.7	7.0	-	50.0	46.9	3.1
10:15 PM - 10:20 PM	54.0	52.4	1.6	4.5	-	52.5	46.9	5.6
10:20 PM - 10:25 PM	55.6	56.7	-1.1	7.0	-	51.6	47.6	3.7
10:25 PM - 10:30 PM	54.3	54.3	0.0	7.0	-	50.3	48.3	2.0
10:30 PM - 10:35 PM	53.5	50.3	3.2	3.0	-	53.5	48.2	5.3
10:35 PM - 10:40 PM	58.2	56.2	2.0	4.5	-	56.7	48.5	8.2
10:40 PM - 10:45 PM	55.7	53.1	2.6	3.0	-	55.7	47.7	8.0
10:45 PM - 10:50 PM	56.5	52.7	3.8	2.0	-	57.5	47.5	10.1
10:50 PM - 10:55 PM	55.8	52.2	3.6	2.0	-	56.8	47.5	9.3
10:55 PM - 11:00 PM	57.9	50.8	7.1	1.0	-	59.8	47.2	12.7
11:00 PM - 11:05 PM	56.9	50.4	6.5	1.0	-	58.9	46.9	12.0
11:05 PM - 11:10 PM	61.2	52.9	8.3	0.5	-	63.7	47.3	16.4
11:10 PM - 11:15 PM	55.4	54.7	0.7	7.0	-	51.4	48.0	3.4
11:15 PM - 11:20 PM	55.4	51.2	4.2	2.0	-	56.4	47.3	9.1
11:20 PM - 11:25 PM	55.9	49.0	6.9	1.0	-	57.9	47.1	10.8
11:25 PM - 11:30 PM	55.4	51.8	3.6	2.0	-	56.4	47.6	8.4
11:30 PM - 11:35 PM	54.5	51.3	3.2	3.0	-	54.5	47.4	7.1
11:35 PM - 11:40 PM	53.4	50.0	3.4	3.0	-	53.4	47.4	6.0
11:40 PM - 11:45 PM	54.9	58.4	-3.5	7.0	-	50.9	47.7	3.2
11:45 PM - 11:50 PM	53.7	52.4	1.3	7.0	-	51.3	46.7	1.6
11:50 PM - 11:55 PM	53.3	51.5	1.8	4.5	-	51.8	47.6	4.2
11:55 PM - 12:00 AM	55.6	53.5	2.1	4.5	-	54.1	47.3	6.8
12:00 AM - 12:05 AM	55.2	53.4	1.8	4.5	-	53.7	46.9	6.8
12:05 AM - 12:10 AM	52.8	50.1	2.7	3.0	-	52.8	46.9	5.9
12:10 AM - 12:15 AM	54.0	56.9	-2.9	7.0	-	50.5	46.8	3.2
12:15 AM - 12:20 AM	59.2	57.8	1.4	7.0	-	55.2	46.9	8.3
12:20 AM - 12:25 AM	59.0	47.3	11.7	0.5	-	61.5	46.7	14.8
12:25 AM - 12:30 AM	59.3	48.6	10.7	0.5	-	61.8	46.9	14.9
12:30 AM - 12:35 AM	57.0	49.3	7.7	0.5	-	59.5	47.4	12.1
12:35 AM - 12:40 AM	57.8	53.1	4.7	1.5	-	59.3	48.2	11.1

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpang, A. Phrakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-9
Parameter : เสียงรบกวน
Location : ตำบลบ้านดอนคลองทราย (GPS 47P 0727793, 1433011)
Measurement Date : Aug 23 - 24, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 623389



TESTING
No.0042

Lot ID: 2397466
Date Received : Aug 30, 2023
Date Reported : Nov 03, 2023
Report Number : 2766768-1

Page 3 of 3

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ผลต่างระดับเสียง	ค่าปรับค่า		ค่าระดับการรบกวน
				ค่าปรับค่า	ค่าปรับค่า	
04:00 AM - 04:05 AM	53.7	49.8	3.9	2.0	54.7	6.7
04:05 AM - 04:10 AM	53.6	51.0	-2.6	3.0	53.6	7.2
04:10 AM - 04:15 AM	53.2	49.8	3.4	3.0	53.2	7.1
04:15 AM - 04:20 AM	53.7	50.5	3.2	3.0	53.7	45.5
04:20 AM - 04:25 AM	54.7	47.1	7.6	0.5	57.2	12.0
04:25 AM - 04:30 AM	52.9	49.0	3.9	2.0	53.9	8.1
04:30 AM - 04:35 AM	53.9	49.1	4.8	1.5	55.4	45.5
04:35 AM - 04:40 AM	55.0	51.2	3.8	2.0	56.0	45.6
04:40 AM - 04:45 AM	53.9	51.6	2.3	4.5	52.4	7.4
04:45 AM - 04:50 AM	53.8	54.6	-0.8	7.0	49.8	45.3
04:50 AM - 04:55 AM	54.5	51.5	3.0	3.0	54.5	45.1
04:55 AM - 05:00 AM	60.6	50.1	10.5	0.5	63.1	18.1
05:00 AM - 05:05 AM	55.0	56.6	-1.6	7.0	51.0	45.3
05:05 AM - 05:10 AM	57.7	54.5	3.2	3.0	57.7	46.4
05:10 AM - 05:15 AM	56.8	60.3	-3.5	7.0	52.8	46.2
05:15 AM - 05:20 AM	53.9	52.5	1.4	7.0	49.9	46.2
05:20 AM - 05:25 AM	54.9	57.0	-2.1	7.0	50.9	47.1
05:25 AM - 05:30 AM	55.4	57.0	-1.6	7.0	51.4	46.8
05:30 AM - 05:35 AM	57.3	56.4	0.9	7.0	53.3	48.4
05:35 AM - 05:40 AM	56.4	59.0	-2.6	7.0	52.4	48.8
05:40 AM - 05:45 AM	57.0	54.2	2.8	3.0	57.0	47.3
05:45 AM - 05:50 AM	55.6	57.0	-1.4	7.0	51.6	48.7
05:50 AM - 05:55 AM	62.0	57.0	5.0	1.5	63.5	49.7
05:55 AM - 06:00 AM	59.8	59.7	0.1	7.0	55.8	49.7
06:00 AM - 07:00 AM	61.5	61.7	-0.2	7.0	54.5	55.5
07:00 AM - 08:00 AM	63.8	65.2	-1.4	7.0	56.8	59.7
08:00 AM - 09:00 AM	62.6	63.8	-1.2	7.0	55.6	58.3
09:00 AM - 10:00 AM	63.9	61.4	2.5	3.0	60.9	56.4
10:00 AM - 11:00 AM	62.4	61.0	1.4	7.0	55.4	54.5
11:00 AM - 12:00 PM	61.4	61.1	0.3	7.0	54.4	53.0
12:00 PM - 01:00 PM	60.2	63.6	-3.4	7.0	53.2	57.7
01:00 PM - 02:00 PM	60.2	64.8	-4.6	7.0	53.2	61.1

Reference Method :

- ISO 1996-1
- ประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

หมายเหตุ : 1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

2. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานเสียงรบกวนที่เกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

ระดับเสียงรบกวนเฉลี่ยที่วัดได้ วันที่ 23-24 ตุลาคม 2566

ระดับเสียงสูงสุดและระดับเสียงขณะไม่มีกิจกรรม (Sample No.2397467-2) วันที่ตรวจวัด 29-30 ตุลาคม 2566

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Approved by

Wiwann Borirak
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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpang, A. Phrakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-9
Parameter : เสียงรบกวน
Location : ตำบลบ้านดอนคลองทราย (GPS 47P 0727793, 1433011)
Measurement Date : Aug 23 - 24, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 623389



TESTING
No.0042

Lot ID: 2397466
Date Received : Aug 30, 2023
Date Reported : Nov 03, 2023
Report Number : 2766768-1

Page 2 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ระดับเสียง (dB(A))		ปรับค่าเสียงจากแหล่งกำเนิด	เสียงที่ฐานการคำนวณ	ค่าที่ฐานการคำนวณ	
			ผลต่าง	ค่าปรับค่า				
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ผลต่าง	ค่าปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด	เสียงที่ฐานการคำนวณ	ค่าที่ฐานการคำนวณ	
12:40 AM - 12:45 AM	53.5	51.7	1.8	4.5	-	52.0	47.3	4.7
12:45 AM - 12:50 AM	54.4	57.8	-3.4	7.0	-	50.4	47.3	3.1
12:50 AM - 12:55 AM	53.0	54.4	-1.4	7.0	-	49.0	48.1	0.9
12:55 AM - 01:00 AM	55.4	55.2	0.2	7.0	-	51.4	48.0	3.4
01:00 AM - 01:05 AM	55.0	52.3	2.7	3.0	-	59.5	49.5	5.4
01:05 AM - 01:10 AM	57.1	50.1	7.0	1.0	-	59.1	49.2	9.9
01:10 AM - 01:15 AM	53.2	62.4	-9.2	7.0	-	49.2	48.8	0.4
01:15 AM - 01:20 AM	53.5	49.9	3.6	2.0	-	54.5	48.1	6.4
01:20 AM - 01:25 AM	53.3	51.9	1.4	7.0	-	49.3	46.8	2.5
01:25 AM - 01:30 AM	57.0	52.6	4.4	2.0	-	58.0	46.7	11.0
01:30 AM - 01:35 AM	53.0	52.5	0.5	7.0	-	49.0	46.1	2.9
01:35 AM - 01:40 AM	53.0	53.9	-0.9	7.0	-	49.0	46.4	2.6
01:40 AM - 01:45 AM	53.4	48.1	5.3	1.5	-	54.9	46.2	8.7
01:45 AM - 01:50 AM	53.0	49.1	3.9	2.0	-	54.0	46.4	7.6
01:50 AM - 01:55 AM	52.9	50.1	2.8	3.0	-	52.9	48.0	4.9
01:55 AM - 02:00 AM	53.0	50.1	2.9	3.0	-	53.0	47.3	5.7
02:00 AM - 02:05 AM	55.1	46.7	8.4	0.5	-	57.6	46.1	11.5
02:05 AM - 02:10 AM	53.3	47.8	5.5	1.5	-	54.8	46.1	8.7
02:10 AM - 02:15 AM	53.5	46.6	6.9	1.0	-	55.5	46.2	9.3
02:15 AM - 02:20 AM	53.1	49.5	3.6	2.0	-	54.1	45.9	8.2
02:20 AM - 02:25 AM	54.9	49.1	5.8	1.5	-	56.4	45.6	10.8
02:25 AM - 02:30 AM	52.7	48.2	4.5	1.5	-	54.2	46.0	7.3
02:30 AM - 02:35 AM	54.6	47.9	6.7	1.0	-	56.6	47.4	9.2
02:35 AM - 02:40 AM	54.0	47.9	6.1	1.5	-	55.5	47.2	8.3
02:40 AM - 02:45 AM	53.3	54.2	-0.9	7.0	-	49.3	47.6	1.7
02:45 AM - 02:50 AM	53.6	50.8	2.8	3.0	-	53.6	48.7	4.9
02:50 AM - 02:55 AM	52.7	52.3	0.4	7.0	-	48.7	48.6	0.1
02:55 AM - 03:00 AM	52.9	49.8	4.0	2.0	-	53.9	47.9	6.0
03:00 AM - 03:05 AM	53.1	49.7	3.4	3.0	-	53.1	48.9	4.2
03:05 AM - 03:10 AM	61.2	50.8	10.4	0.5	-	63.7	49.1	14.6
03:10 AM - 03:15 AM	53.5	53.2	0.3	7.0	-	49.5	48.8	1.0
03:15 AM - 03:20 AM	53.3	54.3	-1.0	7.0	-	53.3	47.4	6.9
03:20 AM - 03:25 AM	55.8	48.1	7.7	0.5	-	58.3	47.5	10.8
03:25 AM - 03:30 AM	53.2	48.5	4.7	1.5	-	54.7	47.6	7.1
03:30 AM - 03:35 AM	52.8	52.1	0.7	7.0	-	48.8	47.8	0.3
03:35 AM - 03:40 AM	52.7	49.1	3.6	2.0	-	53.7	48.2	5.5
03:40 AM - 03:45 AM	55.3	50.0	5.3	1.5	-	56.8	47.5	9.3
03:45 AM - 03:50 AM	52.6	52.6	0.0	7.0	-	48.6	46.6	2.0
03:50 AM - 03:55 AM	60.1	49.6	10.5	0.5	-	62.6	46.7	16.4
03:55 AM - 04:00 AM	53.3	48.1	5.2	1.5	-	54.8	45.8	9.0

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpang, A. Phrakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-10
Parameter : เสียงรบกวน
Location : ตำบลบ้านดอนคลองทราย (GPS 47P 0727793, 1433011)
Measurement Date : Aug 24 - 25, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 623389

Lot ID: 2397466
Date Received : Aug 30, 2023
Date Reported : Nov 03, 2023
Report Number : 2766769-1

Page 1 of 3

ระดับเสียง (dB(A))							เสียงที่ปรากฏ	ค่าเสียงที่ปรากฏ
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ผลต่างระดับเสียง	ค่าปรับค่า		เสียงที่ปรากฏ		
				ค่าปรับค่า	ค่าปรับค่า			
02:00 PM - 03:00 PM	61.3	61.7	-0.4	7.0	54.3	55.4	-1.1	
03:00 PM - 04:00 PM	59.4	60.1	-0.7	7.0	52.4	-	53.5	-1.1
04:00 PM - 05:00 PM	61.1	60.4	0.7	7.0	54.1	-	52.9	1.2
05:00 PM - 06:00 PM	61.7	59.1	2.6	3.0	58.7	-	52.3	6.4
06:00 PM - 07:00 PM	59.7	58.7	1.0	7.0	52.7	51.1	1.6	51.1
07:00 PM - 08:00 PM	61.9	61.0	0.9	7.0	54.9	-	54.1	0.8
08:00 PM - 09:00 PM	61.5	61.3	0.2	7.0	54.5	-	54.4	0.1
09:00 PM - 10:00 PM	56.7	54.1	2.6	3.0	56.1	48.2	5.5	56.1
10:00 PM - 10:05 PM	56.1	52.1	4.0	3.0	-	57.1	46.7	10.4
10:05 PM - 10:10 PM	55.8	52.5	3.3	3.0	-	55.8	47.0	8.8
10:10 PM - 10:15 PM	54.8	53.3	1.5	4.5	-	53.3	46.9	6.4
10:15 PM - 10:20 PM	55.7	52.4	3.3	3.0	-	55.7	46.9	8.8
10:20 PM - 10:25 PM	55.4	53.7	1.7	3.0	-	55.4	47.0	8.3
10:25 PM - 10:30 PM	54.5	54.3	0.2	7.0	-	50.5	48.3	2.2
10:30 PM - 10:35 PM	54.6	50.3	4.3	2.0	-	55.6	48.2	7.4
10:35 PM - 10:40 PM	53.8	56.2	-2.4	7.0	-	49.8	48.5	1.3
10:40 PM - 10:45 PM	53.1	53.1	0.0	7.0	-	49.1	47.7	1.4
10:45 PM - 10:50 PM	53.4	52.7	0.7	7.0	-	49.4	47.4	2.0
10:50 PM - 10:55 PM	53.7	52.2	1.5	4.5	-	52.2	47.5	4.7
10:55 PM - 11:00 PM	53.9	50.8	3.1	3.0	-	53.9	47.2	6.7
11:00 PM - 11:05 PM	56.4	50.4	6.0	1.5	-	57.9	46.9	11.0
11:05 PM - 11:10 PM	53.2	52.9	0.3	7.0	-	49.2	47.2	1.9
11:10 PM - 11:15 PM	55.6	54.7	0.9	7.0	-	51.6	48.0	3.6
11:15 PM - 11:20 PM	55.9	51.2	4.7	1.5	-	57.4	47.3	10.1
11:20 PM - 11:25 PM	55.3	49.0	6.3	1.5	-	56.8	47.1	9.7
11:25 PM - 11:30 PM	56.4	51.8	4.6	1.5	-	57.9	47.6	10.3
11:30 PM - 11:35 PM	52.5	51.3	1.2	7.0	-	48.4	47.4	1.1
11:35 PM - 11:40 PM	53.3	50.9	2.4	4.5	-	51.8	47.4	4.4
11:40 PM - 11:45 PM	53.7	58.4	-4.7	7.0	-	49.7	47.7	2.0
11:45 PM - 11:50 PM	52.4	52.4	0.0	7.0	-	48.4	48.1	0.3
11:50 PM - 11:55 PM	53.8	53.5	0.3	4.5	-	52.3	47.6	4.7
11:55 PM - 12:00 AM	52.4	53.5	-1.1	7.0	-	48.4	47.3	1.1
12:00 AM - 12:05 AM	55.0	53.4	1.6	4.5	-	53.5	46.9	6.6
12:05 AM - 12:10 AM	53.4	50.1	3.3	3.0	-	53.4	46.9	6.5
12:10 AM - 12:15 AM	52.9	46.9	6.0	7.0	-	46.9	46.9	2.1
12:15 AM - 12:20 AM	53.3	57.8	-4.5	7.0	-	49.3	46.9	2.4
12:20 AM - 12:25 AM	52.6	47.3	5.3	1.5	-	54.1	46.7	7.4
12:25 AM - 12:30 AM	53.3	48.6	4.7	1.5	-	54.8	46.9	7.9
12:30 AM - 12:35 AM	52.5	49.3	3.2	3.0	-	52.5	47.4	5.1
12:35 AM - 12:40 AM	53.5	53.1	0.4	2.1	-	53.5	47.4	6.1



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabanyaporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. 2397466-10
Parameter เลื่อนรถขน
Location ตำบลโพธิ์ตากองคลองกร (GPS 47P 0727793, 1433011)
Measurement Date Aug 24 - 25, 2023
Measurement by Sawai Tonpho
Sound Level Meter 623389

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขนถ่าย	ค่าระดับเสียง (dB(A))		ปรับค่าเสียงจากแหล่งกำเนิด	เสียงที่ฐาน	ค่าระดับการขนถ่าย	
			ผลต่างระดับเสียง	ค่าปรับค่า				
			ค่าปรับค่า	ค่าปรับค่า				
12:40 AM - 12:45 AM	53.2	51.7	1.5	4.5	-	51.7	47.3	4.4
12:45 AM - 12:50 AM	53.1	57.8	-4.7	7.0	-	49.1	47.3	1.8
12:50 AM - 12:55 AM	53.2	54.4	-1.2	7.0	-	49.2	48.1	1.1
12:55 AM - 01:00 AM	53.8	55.2	-1.4	7.0	-	49.8	48.0	1.8
01:00 AM - 01:05 AM	53.2	49.3	0.3	7.0	-	49.2	46.2	-0.4
01:05 AM - 01:10 AM	52.8	50.1	2.7	3.0	-	52.8	49.2	3.6
01:10 AM - 01:15 AM	54.4	62.4	-8.0	7.0	-	50.4	48.8	1.6
01:15 AM - 01:20 AM	53.1	49.9	3.2	3.0	-	53.1	48.1	5.0
01:20 AM - 01:25 AM	52.9	51.9	1.0	7.0	-	48.9	46.9	2.1
01:25 AM - 01:30 AM	52.8	52.6	0.2	7.0	-	48.8	46.7	2.1
01:30 AM - 01:35 AM	52.8	52.5	0.3	7.0	-	48.8	46.1	2.7
01:35 AM - 01:40 AM	53.3	53.9	-0.6	7.0	-	49.3	46.4	2.9
01:40 AM - 01:45 AM	55.1	48.1	7.0	1.0	-	57.1	46.2	10.9
01:45 AM - 01:50 AM	53.9	49.1	4.8	1.5	-	55.4	46.4	9.0
01:50 AM - 01:55 AM	53.1	50.1	3.0	3.0	-	53.1	48.0	5.1
01:55 AM - 02:00 AM	55.4	50.1	5.3	1.5	-	56.9	47.3	9.6
02:00 AM - 02:05 AM	57.8	46.7	11.1	0.5	-	60.3	46.1	14.2
02:05 AM - 02:10 AM	52.9	47.8	5.1	1.5	-	54.4	48.4	8.3
02:10 AM - 02:15 AM	52.7	46.6	6.1	1.5	-	54.2	46.2	8.0
02:15 AM - 02:20 AM	53.0	49.5	3.5	2.0	-	54.0	45.9	8.1
02:20 AM - 02:25 AM	52.8	49.1	3.7	2.0	-	53.8	45.6	8.2
02:25 AM - 02:30 AM	52.3	48.2	4.1	2.0	-	53.3	46.9	6.4
02:30 AM - 02:35 AM	53.5	47.9	5.6	1.5	-	55.0	47.4	7.6
02:35 AM - 02:40 AM	54.4	47.9	6.5	1.0	-	56.4	47.2	9.2
02:40 AM - 02:45 AM	54.1	54.2	-0.1	7.0	-	50.1	47.6	2.5
02:45 AM - 02:50 AM	52.6	50.8	1.8	4.5	-	48.7	46.7	2.0
02:50 AM - 02:55 AM	53.3	52.3	1.0	7.0	-	49.3	48.6	0.7
02:55 AM - 03:00 AM	55.3	48.9	6.4	1.5	-	56.8	47.9	8.9
03:00 AM - 03:05 AM	57.7	49.7	8.0	0.5	-	60.2	48.9	11.3
03:05 AM - 03:10 AM	53.2	50.8	2.4	4.5	-	51.7	49.1	2.6
03:10 AM - 03:15 AM	52.6	53.2	-0.6	7.0	-	48.6	48.5	0.1
03:15 AM - 03:20 AM	51.9	49.3	2.6	3.0	-	51.9	47.4	4.5
03:20 AM - 03:25 AM	53.0	48.1	4.9	1.5	-	54.5	47.5	7.0
03:25 AM - 03:30 AM	53.3	48.5	4.8	1.5	-	54.8	47.6	7.2
03:30 AM - 03:35 AM	52.6	52.1	0.5	7.0	-	48.6	48.5	0.1
03:35 AM - 03:40 AM	51.9	49.1	2.8	3.0	-	51.9	48.2	3.7
03:40 AM - 03:45 AM	52.7	50.0	2.7	3.0	-	52.7	47.5	5.2
03:45 AM - 03:50 AM	55.3	52.6	2.7	3.0	-	55.3	46.6	8.7
03:50 AM - 03:55 AM	52.3	49.6	2.7	3.0	-	52.3	46.2	6.1
03:55 AM - 04:00 AM	52.7	48.1	4.6	1.5	-	54.2	45.8	8.4

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabanyaporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. 2397466-11
Parameter เลื่อนรถขน
Location ตำบลโพธิ์ตากองคลองกร (GPS 47P 0727793, 1433011)
Measurement Date Aug 25 - 26, 2023
Measurement by Sawai Tonpho
Sound Level Meter 623389

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขนถ่าย	ระดับเสียง (dB(A))		ปรับค่าเสียงจากแหล่งกำเนิด		เสียงที่ผู้รับ	ค่าระดับการขนถ่าย
			ผลต่าง	ค่าปรับ	ค่าปรับ	ค่าปรับ		
02:00 PM - 03:00 PM	60.9	61.7	-0.8	7.0	53.9	-	55.4	-1.5
03:00 PM - 04:00 PM	59.9	60.1	-0.2	7.0	52.9	-	52.5	-0.6
04:00 PM - 05:00 PM	59.8	60.4	-0.6	7.0	52.8	-	52.9	-0.1
05:00 PM - 06:00 PM	61.6	59.1	2.5	3.0	58.6	-	52.3	6.3
06:00 PM - 07:00 PM	59.8	58.7	1.1	7.0	52.8	-	51.1	1.7
07:00 PM - 08:00 PM	61.6	61.0	0.6	7.0	54.6	-	54.1	0.5
08:00 PM - 09:00 PM	65.0	61.3	3.7	2.0	63.0	-	54.4	8.6
09:00 PM - 10:00 PM	57.7	54.1	3.6	2.0	55.7	-	48.2	7.5
10:00 PM - 10:05 PM	56.0	52.1	3.9	2.0	-	57.0	46.7	10.3
10:05 PM - 10:10 PM	55.4	52.5	2.9	3.0	-	57.0	47.0	8.4
10:10 PM - 10:15 PM	56.4	53.3	3.1	3.0	-	56.4	46.9	9.5
10:15 PM - 10:20 PM	55.6	52.4	3.2	3.0	-	55.6	46.9	8.7
10:20 PM - 10:25 PM	56.7	56.7	0.0	7.0	-	52.7	47.9	4.8
10:25 PM - 10:30 PM	54.8	54.3	0.5	7.0	-	50.8	48.3	2.5
10:30 PM - 10:35 PM	54.9	50.3	4.6	1.5	-	56.4	48.2	8.2
10:35 PM - 10:40 PM	54.4	56.2	-1.8	7.0	-	50.4	48.5	1.9
10:40 PM - 10:45 PM	54.2	53.1	1.1	7.0	-	50.2	47.7	2.5
10:45 PM - 10:50 PM	58.4	52.7	5.7	1.5	-	59.9	47.4	12.5
10:50 PM - 10:55 PM	55.8	52.2	3.6	2.0	-	57.5	47.5	9.3
10:55 PM - 11:00 PM	55.2	50.8	4.4	2.0	-	56.2	47.2	9.0
11:00 PM - 11:05 PM	53.5	50.4	3.1	3.0	-	53.5	46.9	6.6
11:05 PM - 11:10 PM	54.9	52.9	2.0	4.5	-	53.4	47.3	6.1
11:10 PM - 11:15 PM	55.9	54.7	1.2	7.0	-	51.9	48.0	3.9
11:15 PM - 11:20 PM	56.2	51.2	5.0	1.5	-	57.7	47.3	10.4
11:20 PM - 11:25 PM	55.6	49.0	6.6	1.0	-	57.6	47.1	10.5
11:25 PM - 11:30 PM	57.0	51.8	5.2	1.5	-	58.5	47.6	10.9
11:30 PM - 11:35 PM	55.7	51.3	4.4	2.0	-	56.7	47.4	8.3
11:35 PM - 11:40 PM	54.3	50.8	3.4	3.0	-	54.3	47.4	6.9
11:40 PM - 11:45 PM	54.3	58.4	-4.1	7.0	-	50.3	47.7	2.6
11:45 PM - 11:50 PM	54.0	52.4	1.6	4.5	-	52.5	48.1	4.4
11:50 PM - 11:55 PM	54.0	51.5	2.5	3.0	-	54.0	47.5	6.4
11:55 PM - 12:00 AM	56.3	52.5	3.8	3.0	-	56.3	47.3	9.0
12:00 AM - 12:05 AM	57.0	53.4	3.6	2.0	-	58.0	46.9	11.1
12:05 AM - 12:10 AM	57.5	50.1	7.4	1.0	-	59.5	46.9	12.6
12:10 AM - 12:15 AM	59.4	56.9	2.5	3.0	-	59.4	46.9	12.6
12:15 AM - 12:20 AM	57.4	57.8	-0.4	7.0	-	53.4	46.9	6.5
12:20 AM - 12:25 AM	55.4	47.3	8.1	0.5	-	57.9	46.7	11.2
12:25 AM - 12:30 AM	54.6	48.6	6.0	1.5	-	56.1	46.9	9.2
12:30 AM - 12:35 AM	54.8	49.3	5.5	1.5	-	56.3	47.4	8.9
12:35 AM - 12:40 AM	54.5	53.1	1.4	7.0	-	50.3	47.7	2.6

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Approved by

Wilawan Borirak
Manager

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabanyaporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. 2397466-10
Parameter เลื่อนรถขน
Location ตำบลโพธิ์ตากองคลองกร (GPS 47P 0727793, 1433011)
Measurement Date Aug 24 - 25, 2023
Measurement by Sawai Tonpho
Sound Level Meter 623389

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขนถ่าย	ระดับเสียง (dB(A))		ปรับค่าเสียงจากแหล่งกำเนิด	เสียงที่ฐาน	ค่าความการปนเปื้อน
			ผลต่างระดับเสียง	ตัวปรับค่า			
04:00 AM - 04:05 AM	52.2	49.8	2.4	4.5	-	30.7	46.0
04:05 AM - 04:10 AM	53.1	51.0	2.1	4.5	-	31.6	46.4
04:10 AM - 04:15 AM	52.3	49.8	2.5	3.0	-	32.3	46.1
04:15 AM - 04:20 AM	54.4	50.5	3.9	2.0	-	35.4	45.5
04:20 AM - 04:25 AM	53.2	47.1	6.1	1.5	-	34.7	45.3
04:25 AM - 04:30 AM	52.5	49.0	3.5	2.0	-	33.5	45.8
04:30 AM - 04:35 AM	52.5	49.1	3.4	3.0	-	32.5	45.5
04:35 AM - 04:40 AM	52.9	51.2	1.7	4.5	-	31.4	45.6
04:40 AM - 04:45 AM	52.8	51.6	1.2	7.0	-	48.3	45.8
04:45 AM - 04:50 AM	54.6	54.6	0.0	7.0	-	50.6	45.3
04:50 AM - 04:55 AM	52.5	51.5	1.0	7.0	-	48.5	45.1
04:55 AM - 05:00 AM	53.9	50.1	3.8	2.0	-	54.9	45.0
05:00 AM - 05:05 AM	56.3	56.6	-0.3	7.0	-	52.7	45.0
05:05 AM - 05:10 AM	56.0	54.5	1.5	4.5	-	54.5	45.4
05:10 AM - 05:15 AM	59.8	60.3	-0.5	7.0	-	55.8	46.2
05:15 AM - 05:20 AM	55.6	52.5	3.1	3.0	-	55.6	46.2
05:20 AM - 05:25 AM	55.5	57.0	-1.5	7.0	-	51.4	46.4
05:25 AM - 05:30 AM	57.6	57.0	0.6	7.0	-	53.6	46.8
05:30 AM - 05:35 AM	57.8	56.4	1.4	7.0	-	53.8	48.4
05:35 AM - 05:40 AM	60.5	59.0	1.5	4.5	-	59.0	48.8
05:40 AM - 05:45 AM	58.8	54.2	4.6	1.5	-	60.3	47.3
05:45 AM - 05:50 AM	59.2	57.0	2.2	4.5	-	57.7	48.0
05:50 AM - 05:55 AM	57.2	57.0	0.2	7.0	-	53.2	49.7
05:55 AM - 06:00 AM	58.3	59.7	-1.4	7.0	-	54.3	49.7
06:00 AM - 07:00 AM	61.2	61.7	-0.5	7.0	54.2	-	55.5
07:00 AM - 08:00 AM	64.4	65.2	-0.8	7.0	57.4	-	59.3
08:00 AM - 09:00 AM	62.6	63.8	-1.2	7.0	55.6	-	58.7
09:00 AM - 10:00 AM	62.2	61.4	0.8	7.0	53.2	-	55.0
10:00 AM - 11:00 AM	60.2	61.0	-0.8	7.0	53.2	-	54.6
11:00 AM - 12:00 PM	60.5	61.1	-0.6	7.0	53.5	-	56.4
12:00 PM - 01:00 PM	58.6	63.6	-5.0	7.0	51.6	-	57.7
01:00 PM - 02:00 PM	58.9	64.8	-5.9	7.0	51.9	-	61.1

ตามมาตรฐาน

Reference Method :

1. ISO 1996-1

2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่คาดการณ์การประกอบกิจการโรงงาน พ.ศ. 2553

มาตรฐาน

1. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง ค่ากำหนดระดับเสียงรบกวนและระดับเสียงที่คาดการณ์การประกอบกิจการโรงงาน พ.ศ. 2548

2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง กำหนดค่ามาตรฐานเสียงรบกวนและระดับเสียงที่คาดการณ์การประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

ระดับเสียงจากแหล่งกำเนิด จากการตรวจวัด วันที่ 24-25 สิงหาคม 2566

ระดับเสียงที่ตรวจวัดและระดับเสียงขณะไม่มีการขนถ่าย (Sample No.2397466-2 วันตรวจวัด 29-30 ตุลาคม 2566)

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabanyaporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. 2397466-11
Parameter เลื่อนรถขน
Location ตำบลโพธิ์ตากองคลองกร (GPS 47P 0727793, 1433011)
Measurement Date Aug 25 - 26, 2023
Measurement by Sawai Tonpho
Sound Level Meter 623389

จุดสัมผัสเสียง (dB(A))								
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขนถ่าย	ผลต่างระดับเสียง	ค่าปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงที่ขนถ่าย	ค่าระดับการขนถ่าย
					กลางวัน	กลางคืน		
12:40 AM - 12:45 AM	54.5	51.7	2.8	3.0	-	54.5	47.3	7.2
12:45 AM - 12:50 AM	57.7	57.8	-0.1	7.0	-	57.7	47.3	6.4
12:50 AM - 12:55 AM	57.6	54.4	3.2	3.0	-	57.6	48.1	9.5
12:55 AM - 01:00 AM	55.5	55.2	0.3	7.0	-	51.5	48.0	3.5
01:00 AM - 01:05 AM	53.9	52.3	1.6	4.5	-	52.4	49.6	2.8
01:05 AM - 01:10 AM	54.7	50.1	4.6	1.5	-	56.2	49.2	7.0
01:10 AM - 01:15 AM	58.1	62.4	-4.3	7.0	-	54.1	48.8	5.3
01:15 AM - 01:20 AM	55.6	49.9	5.7	2.0	-	54.6	48.1	6.5
01:20 AM - 01:25 AM	53.3	51.9	1.4	7.0	-	49.3	46.8	2.5
01:25 AM - 01:30 AM	53.8	52.6	1.2	7.0	-	49.8	46.7	3.1
01:30 AM - 01:35 AM	55.8	52.5	3.3	3.0	-	55.8	46.1	9.7
01:35 AM - 01:40 AM	52.3	53.9	-1.6	7.0	-	48.3	46.4	1.9
01:40 AM - 01:45 AM	52.6	48.1	4.5	1.5	-	54.1	46.2	7.9
01:45 AM - 01:50 AM	52.4	49.1	3.3	3.0	-	52.4	46.3	6.0
01:50 AM - 01:55 AM	54.3	50.1	4.2	2.0	-	55.3	48.0	7.3
01:55 AM - 02:00 AM	54.8	50.1	4.7	1.5	-	56.3	47.3	9.0
02:00 AM - 02:05 AM	53.5	46.7	6.8	1.0	-	55.5	46.1	9.4
02:05 AM - 02:10 AM	52.9	47.8	5.1	1.5	-	54.4	46.1	8.3
02:10 AM - 02:15 AM	56.3	46.6	9.7	0.6	-	58.8	46.2	12.6
02:15 AM - 02:20 AM	54.3	49.5	4.8	1.5	-	55.8	45.9	9.9
02:20 AM - 02:25 AM	53.9	49.1	4.8	1.5	-	55.4	45.6	9.8
02:25 AM - 02:30 AM	55.5	48.2	7.3	1.0	-	57.5	46.9	10.6
02:30 AM - 02:35 AM	53.6	47.9	5.7	1.5	-	55.1	47.4	7.7
02:35 AM - 02:40 AM	54.5	49.4	5.1	1.5	-	56.5	47.2	9.3
02:40 AM - 02:45 AM	53.1	54.2	-1.1	7.0	-	49.1	47.6	1.5
02:45 AM - 02:50 AM	53.9	50.8	3.1	3.0	-	53.9	48.7	5.2
02:50 AM - 02:55 AM	53.0	47.3	5.7	0.7	-	49.0	48.5	0.4
02:55 AM - 03:00 AM	54.1	48.9	5.2	1.5	-	55.6	47.9	7.7
03:00 AM - 03:05 AM	52.9	49.7	3.2	3.0	-	52.9	48.9	4.0
03:05 AM - 03:10 AM	53.6	50.8	2.8	3.0	-	53.6	49.1	4.5
03:10 AM - 03:15 AM	54.1	53.2	0.9	7.0	-	52.1	48.5	3.6
03:15 AM - 03:20 AM	53.2	49.3	3.9	2.0	-	54.9	47.8	6.8
03:20 AM - 03:25 AM	53.8	48.1	5.7	1.5	-	55.3	47.5	7.8
03:25 AM - 03:30 AM	55.8	48.5	7.3	1.0	-	57.8	47.6	10.2
03:30 AM - 03:35 AM	55.0	52.1	2.9	3.0	-	55.0	48.5	6.5
03:35 AM - 03:40 AM	52.5	49.1	3.4	3.0	-	52.5	47.3	5.2
03:40 AM - 03:45 AM	54.1	50.0	4.1	2.0	-	55.1	47.5	7.6
03:45 AM - 03:50 AM	52.4	52.6	-0.2	7.0	-	48.4	46.6	1.8
03:50 AM - 03:55 AM	53.5	49.6	3.9	2.0	-	54.5	46.2	8.3
03:55 AM - 04:00 AM	52.4	49.3	3.1	2.0	-	53.4	47.8	5.6



Analysis / Test Report

Client : UACI (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-11
Parameter : เสียงรบกวน
Location : ตำบลบ้านกลางของโครงการ (GPS 47P 0727793, 1433011)
Measurement Date : Aug 25 - 26, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 623389

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนไม่มีการรบกวน	ระดับเสียง (dB(A))		ค่าเฉลี่ยการรบกวน
			ผลต่าง	ค่าปรับค่า	
04:00 AM - 04:05 AM	53.1	49.8	3.3	3.0	-
04:05 AM - 04:10 AM	54.2	51.0	3.2	3.0	-
04:10 AM - 04:15 AM	55.2	49.8	5.4	1.5	-
04:15 AM - 04:20 AM	54.3	50.5	3.8	2.0	-
04:20 AM - 04:25 AM	53.0	47.1	5.9	1.5	-
04:25 AM - 04:30 AM	53.0	49.0	4.0	2.0	-
04:30 AM - 04:35 AM	53.2	49.1	4.1	2.0	-
04:35 AM - 04:40 AM	54.1	51.2	2.9	3.0	-
04:40 AM - 04:45 AM	56.8	51.6	5.2	1.5	-
04:45 AM - 04:50 AM	55.1	54.6	0.5	7.0	-
04:50 AM - 04:55 AM	54.5	51.5	3.0	3.0	-
04:55 AM - 05:00 AM	54.8	50.1	4.7	1.5	-
05:00 AM - 05:05 AM	54.7	56.6	-1.9	7.0	-
05:05 AM - 05:10 AM	56.4	54.5	1.9	4.5	-
05:10 AM - 05:15 AM	54.4	60.3	-5.9	7.0	-
05:15 AM - 05:20 AM	54.8	55.5	2.3	4.5	-
05:20 AM - 05:25 AM	55.5	57.0	-1.5	7.0	-
05:25 AM - 05:30 AM	55.2	57.0	-1.8	7.0	-
05:30 AM - 05:35 AM	58.2	56.4	1.8	4.5	-
05:35 AM - 05:40 AM	60.5	59.0	1.5	4.5	-
05:40 AM - 05:45 AM	58.7	58.2	0.5	1.5	-
05:45 AM - 05:50 AM	59.3	57.0	2.3	4.5	-
05:50 AM - 05:55 AM	57.7	57.0	0.7	7.0	-
05:55 AM - 06:00 AM	57.2	59.7	-2.5	7.0	-
06:00 AM - 07:00 AM	62.4	61.7	0.7	7.0	55.4
07:00 AM - 08:00 AM	64.7	65.2	-0.5	7.0	57.7
08:00 AM - 09:00 AM	64.6	63.8	0.8	7.0	57.6
09:00 AM - 10:00 AM	60.3	61.4	-1.1	7.0	53.3
10:00 AM - 11:00 AM	60.6	61.0	-0.4	7.0	53.6
11:00 AM - 12:00 PM	59.7	61.1	-1.4	7.0	52.7
12:00 PM - 01:00 PM	59.7	63.6	-3.9	7.0	52.7
01:00 PM - 02:00 PM	59.0	64.8	-5.8	7.0	52.0

Reference Method :
1. ISO 1996-1
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

หมายเหตุ :
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่ามาตรฐานเสียงรบกวนเสียงที่เกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
ระดับเสียงรบกวนเฉลี่ยต่อชั่วโมง ค่ามาตรฐาน 55dB
ระดับเสียงรบกวนเฉลี่ยต่อวัน ค่ามาตรฐาน 55dB
ระดับเสียงรบกวนเฉลี่ยต่อปี ค่ามาตรฐาน 55dB

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Analysis / Test Report

Client : UACI (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-12
Parameter : เสียงรบกวน
Location : ตำบลบ้านกลางของโครงการ (GPS 47P 0727793, 1433011)
Measurement Date : Aug 26 - 27, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 623389

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนไม่มีการรบกวน	ระดับเสียง (dB(A))		ค่าเฉลี่ยการรบกวน
			ผลต่าง	ค่าปรับค่า	
12:40 AM - 12:45 AM	54.9	51.7	3.2	3.0	-
12:45 AM - 12:50 AM	53.8	57.8	-4.0	7.0	-
12:50 AM - 12:55 AM	53.5	54.4	-0.9	7.0	-
12:55 AM - 01:00 AM	54.0	55.2	-1.2	7.0	-
01:00 AM - 01:05 AM	54.1	55.0	-0.9	7.0	-
01:05 AM - 01:10 AM	56.0	50.1	5.9	1.5	-
01:10 AM - 01:15 AM	53.6	62.4	-8.8	7.0	-
01:15 AM - 01:20 AM	54.2	49.9	4.3	2.0	-
01:20 AM - 01:25 AM	53.6	51.9	1.7	4.5	-
01:25 AM - 01:30 AM	55.4	52.6	2.8	3.0	-
01:30 AM - 01:35 AM	54.0	52.5	1.5	4.5	-
01:35 AM - 01:40 AM	53.6	53.9	-0.3	7.0	-
01:40 AM - 01:45 AM	55.3	48.1	7.2	1.0	-
01:45 AM - 01:50 AM	56.9	49.1	7.8	0.5	-
01:50 AM - 01:55 AM	53.6	50.1	3.5	2.0	-
01:55 AM - 02:00 AM	52.9	50.1	2.8	3.0	-
02:00 AM - 02:05 AM	53.4	56.7	-3.3	7.0	-
02:05 AM - 02:10 AM	54.0	47.8	6.2	1.5	-
02:10 AM - 02:15 AM	54.4	46.6	7.8	0.5	-
02:15 AM - 02:20 AM	55.2	49.5	5.7	1.5	-
02:20 AM - 02:25 AM	60.8	49.1	11.7	7.0	-
02:25 AM - 02:30 AM	53.4	48.2	5.2	1.5	-
02:30 AM - 02:35 AM	53.1	47.9	5.2	1.5	-
02:35 AM - 02:40 AM	53.0	47.9	5.1	1.5	-
02:40 AM - 02:45 AM	53.1	54.2	-1.1	2.0	-
02:45 AM - 02:50 AM	54.9	50.8	4.1	2.0	-
02:50 AM - 02:55 AM	53.2	52.3	0.9	7.0	-
02:55 AM - 03:00 AM	52.7	48.9	3.8	2.0	-
03:00 AM - 03:05 AM	52.8	49.7	3.1	3.0	-
03:05 AM - 03:10 AM	53.4	50.8	2.6	3.0	-
03:10 AM - 03:15 AM	52.8	53.2	-0.4	7.0	-
03:15 AM - 03:20 AM	52.6	48.3	4.3	3.0	-
03:20 AM - 03:25 AM	52.6	48.1	4.5	1.5	-
03:25 AM - 03:30 AM	53.2	48.5	4.7	1.5	-
03:30 AM - 03:35 AM	52.7	52.1	0.6	7.0	-
03:35 AM - 03:40 AM	53.9	48.1	4.8	1.5	-
03:40 AM - 03:45 AM	53.0	50.0	3.0	3.0	-
03:45 AM - 03:50 AM	52.8	52.6	0.2	7.0	-
03:50 AM - 03:55 AM	56.2	49.6	6.6	1.0	-
03:55 AM - 04:00 AM	54.2	48.1	6.1	1.5	-

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Analysis / Test Report

Client : UACI (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-12
Parameter : เสียงรบกวน
Location : ตำบลบ้านกลางของโครงการ (GPS 47P 0727793, 1433011)
Measurement Date : Aug 26 - 27, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 623389

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนไม่มีการรบกวน	ระดับเสียง (dB(A))		ค่าเฉลี่ยการรบกวน
			ผลต่าง	ค่าปรับค่า	
02:00 PM - 03:00 PM	59.4	61.7	-2.3	7.0	52.4
03:00 PM - 04:00 PM	58.9	60.1	-1.2	7.0	51.9
04:00 PM - 05:00 PM	59.9	60.4	-0.5	7.0	52.9
05:00 PM - 06:00 PM	61.2	59.1	2.1	4.5	56.7
06:00 PM - 07:00 PM	59.7	58.7	1.0	7.0	52.7
07:00 PM - 08:00 PM	61.1	61.0	0.1	7.0	54.1
08:00 PM - 09:00 PM	61.2	61.3	-0.1	7.0	54.2
09:00 PM - 10:00 PM	57.8	54.1	3.7	2.0	55.8
10:00 PM - 10:05 PM	54.1	52.1	2.0	4.5	-
10:05 PM - 10:10 PM	55.1	52.5	2.6	3.0	-
10:10 PM - 10:15 PM	54.4	53.3	1.1	7.0	-
10:15 PM - 10:20 PM	55.1	52.4	2.7	3.0	-
10:20 PM - 10:25 PM	54.7	56.7	-2.0	7.0	-
10:25 PM - 10:30 PM	54.9	54.3	0.6	7.0	-
10:30 PM - 10:35 PM	54.4	50.3	4.1	2.0	-
10:35 PM - 10:40 PM	55.1	56.2	-1.1	7.0	-
10:40 PM - 10:45 PM	54.5	53.1	1.4	7.0	-
10:45 PM - 10:50 PM	54.0	52.7	1.3	7.0	-
10:50 PM - 10:55 PM	53.9	52.2	1.7	4.5	-
10:55 PM - 11:00 PM	54.7	50.8	3.9	2.0	-
11:00 PM - 11:05 PM	54.8	50.4	4.4	2.0	-
11:05 PM - 11:10 PM	59.0	52.9	6.1	1.5	-
11:10 PM - 11:15 PM	55.0	54.7	0.3	7.0	-
11:15 PM - 11:20 PM	54.7	51.2	3.5	2.0	-
11:20 PM - 11:25 PM	53.9	49.0	4.9	1.5	-
11:25 PM - 11:30 PM	53.9	51.8	2.1	4.5	-
11:30 PM - 11:35 PM	55.2	51.3	3.9	2.0	-
11:35 PM - 11:40 PM	54.5	50.9	3.6	2.0	-
11:40 PM - 11:45 PM	55.6	58.4	-2.8	7.0	-
11:45 PM - 11:50 PM	53.9	52.4	1.5	4.5	-
11:50 PM - 11:55 PM	53.6	51.5	2.1	4.5	-
11:55 PM - 12:00 AM	54.9	53.5	1.4	7.0	-
12:00 AM - 12:05 AM	54.4	53.0	1.4	7.0	-
12:05 AM - 12:10 AM	53.3	50.1	3.2	3.0	-
12:10 AM - 12:15 AM	55.1	56.9	-1.8	7.0	-
12:15 AM - 12:20 AM	53.8	57.8	-4.0	7.0	-
12:20 AM - 12:25 AM	54.4	47.3	7.1	1.0	-
12:25 AM - 12:30 AM	53.6	48.6	5.0	1.5	-
12:30 AM - 12:35 AM	55.0	49.3	5.7	1.5	-
12:35 AM - 12:40 AM	54.5	53.1	1.4	7.0	-

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wiwann Borikak
Manager

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Analysis / Test Report

Client : UACI (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-12
Parameter : เสียงรบกวน
Location : ตำบลบ้านกลางของโครงการ (GPS 47P 0727793, 1433011)
Measurement Date : Aug 26 - 27, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 623389

เวลา		เสียงจากแหล่งกำเนิด	เสียงรบกวนไม่มีการรบกวน	ผลต่างระดับเสียง	ค่าปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด	เสียงรบกวน	ค่ารวมการรบกวน
		(A)	(B)	(C)	(D)	(E)	(F)	(G)
04:00 AM - 04:05 AM	54.3	49.8	4.5	1.5	-	55.8	46.0	9.1
04:05 AM - 04:10 AM	53.5	51.0	2.5	3.0	-	53.5	46.4	7.8
04:10 AM - 04:15 AM	52.9	49.8	3.1	3.0	-	52.9	46.1	6.8
04:15 AM - 04:20 AM	52.8	50.5	2.3	4.5	-	51.3	45.5	5.8
04:20 AM - 04:25 AM	53.3	47.1	6.2	1.5	-	54.8	45.2	9.6
04:25 AM - 04:30 AM	54.0	49.0	5.0	1.5	-	55.5	45.6	9.7
04:30 AM - 04:35 AM	52.6	49.1	3.5	2.0	-	54.5	45.5	8.1
04:35 AM - 04:40 AM	55.1	51.2	3.9	2.0	-	56.1	45.8	10.5
04:40 AM - 04:45 AM	55.4	51.6	3.8	2.0	-	56.4	45.0	11.4
04:45 AM - 04:50 AM	53.5	54.6	-1.1	7.0	-	49.5	45.3	4.2
04:50 AM - 04:55 AM	53.1	51.5	1.6	4.5	-	51.6	45.3	4.5
04:55 AM - 05:00 AM	53.7	50.1	3.6	2.0	-	54.7	45.0	9.7
05:00 AM - 05:05 AM	54.7	56.6	-1.9	7.0	-	50.7	45.3	5.4
05:05 AM - 05:10 AM	55.9	54.5	1.4	7.0	-	51.9	46.4	5.5
05:10 AM - 05:15 AM	56.1	60.3	-4.2	7.0	-	52.1	46.2	5.9
05:15 AM - 05:20 AM	54.6	52.5	2.1	4.5	-	53.1	46.2	6.9
05:20 AM - 05:25 AM	55.9	57.0	-1.1	7.0	-	51.9	47.1	4.8
05:25 AM - 05:30 AM	62.9	57.0	5.9	1.5	-	64.4	46.8	17.6
05:30 AM - 05:35 AM	62.4	56.4	6.0	1.5	-	63.4	46.4	15.5
05:35 AM - 05:40 AM	62.3	59.0	3.3	3.0	-	62.3	48.8	13.5
05:40 AM - 05:45 AM	58.3	44.2	14.0	7.0	-	59.2	47.3	11.9
05:45 AM - 05:50 AM	57.7	57.0	0.7	7.0	-	53.7	46.7	7.0
05:50 AM - 05:55 AM	56.3	57.0	-0.7	7.0	-	52.7	49.7	2.6
05:55 AM - 06:00 AM	57.2	59.7	-2.5	7.0	-	53.2	49.7	3.5
06:00 AM - 07:00 AM	59.7	61.7	-2.0	7.0	52.7	-	55.5	-2.8
07:00 AM - 08:00 AM	62.8	65.2	-2.4	7.0	55.8	-	59.7	-3.9
08:00 AM - 09:00 AM	60.7	63.8	-3.1	7.0	53.7	-	58.3	-7.0
09:00 AM - 10:00 AM	57.3	61.4	-4.1	7.0	50.3	-	56.4	-6.1
10:00 AM - 11:00 AM	58.4	61.0	-2.6	7.0	51.4	-	54.6	-3.2
11:00 AM - 12:00 PM	58.3	61.1	-2.8	7.0	51.3	-	55.0	-3.7
12:00 PM - 01:00 PM	54.8	63.6	-8.8	7.0	49.8	-	57.7	-8.8
01:00 PM - 02:00 PM	58.3	64.8	-6.5	7.0	51.3	-	61.1	-9.8



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpore, A. Pluakdaeng, Rayong
Thailand 21140

Lot ID: 2397466
Date Received : Aug 30, 2023
Date Reported : Nov 03, 2023
Report Number : 2766772-1

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-13
Parameter : เสียงรบกวน
Location : ตำบลบ้านดอนทรายทอง (GPS 47P 0727793, 1433011)
Measurement Date : Aug 27 - 28, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 623389

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ระดับเสียง (dB(A))				เสียงที่ถูกรบกวน	ค่าเสียงการรบกวน
			ผลต่าง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด			
					ค่าจริง	ค่าปรับ		
02:00 PM - 03:00 PM	57.9	61.7	-3.8	7.0	50.9	-	55.4	-4.5
03:00 PM - 04:00 PM	59.1	60.1	-1.0	7.0	52.1	-	53.5	-1.4
04:00 PM - 05:00 PM	58.3	60.4	-2.1	7.0	51.3	-	52.9	-1.6
05:00 PM - 06:00 PM	59.0	59.1	-0.1	7.0	52.0	-	52.3	-0.3
06:00 PM - 07:00 PM	58.8	61.7	-2.9	7.0	51.8	-	51.1	0.7
07:00 PM - 08:00 PM	60.0	61.0	-1.0	7.0	53.0	-	54.1	-1.1
08:00 PM - 09:00 PM	59.1	61.3	-2.2	7.0	52.1	-	54.4	-2.3
09:00 PM - 10:00 PM	55.5	54.1	1.4	7.0	48.5	-	48.2	0.3
10:00 PM - 10:05 PM	54.3	52.1	2.2	4.5	-	52.8	46.7	6.1
10:05 PM - 10:10 PM	54.9	52.5	2.4	4.5	-	53.4	47.0	6.4
10:10 PM - 10:15 PM	54.4	53.3	1.1	7.0	-	50.4	46.9	3.5
10:15 PM - 10:20 PM	56.2	52.4	3.8	2.0	-	57.2	46.9	10.3
10:20 PM - 10:25 PM	53.9	56.7	-2.8	7.0	-	49.9	47.9	2.0
10:25 PM - 10:30 PM	54.1	54.3	-0.2	7.0	-	50.1	48.3	1.8
10:30 PM - 10:35 PM	53.6	56.3	3.3	3.0	-	53.6	48.2	5.4
10:35 PM - 10:40 PM	54.2	56.2	-2.0	7.0	-	50.2	48.5	1.7
10:40 PM - 10:45 PM	58.9	53.1	5.8	1.5	-	60.4	47.7	12.7
10:45 PM - 10:50 PM	55.1	52.7	2.4	4.5	-	53.6	47.4	6.2
10:50 PM - 10:55 PM	58.9	52.2	6.7	1.0	-	60.9	47.5	13.4
10:55 PM - 11:00 PM	57.4	50.8	6.6	1.0	-	59.4	47.2	12.2
11:00 PM - 11:05 PM	56.1	50.4	5.7	1.5	-	57.6	46.9	10.7
11:05 PM - 11:10 PM	57.4	52.9	4.5	1.5	-	58.9	47.3	11.6
11:10 PM - 11:15 PM	56.9	54.7	2.2	4.5	-	55.4	46.9	8.5
11:15 PM - 11:20 PM	59.3	51.2	8.1	0.5	-	60.3	47.3	14.5
11:20 PM - 11:25 PM	57.5	49.0	8.5	0.5	-	60.0	47.1	12.9
11:25 PM - 11:30 PM	54.7	51.8	2.9	3.0	-	54.7	47.6	7.1
11:30 PM - 11:35 PM	54.7	51.3	3.4	3.0	-	54.7	47.4	7.3
11:35 PM - 11:40 PM	60.1	50.9	9.2	0.5	-	62.6	47.4	15.2
11:40 PM - 11:45 PM	53.3	58.4	-5.1	7.0	-	49.3	47.7	1.6
11:45 PM - 11:50 PM	52.1	52.4	-0.3	7.0	-	48.1	48.1	0.0
11:50 PM - 11:55 PM	56.3	51.5	4.8	1.5	-	57.8	47.6	10.2
11:55 PM - 12:00 AM	53.8	53.5	0.3	7.0	-	49.8	47.3	2.5
12:00 AM - 12:05 AM	53.2	53.4	-0.2	7.0	-	49.2	46.9	2.3
12:05 AM - 12:10 AM	55.6	50.1	5.5	1.5	-	57.1	46.9	10.2
12:10 AM - 12:15 AM	54.1	56.9	-2.8	7.0	-	50.1	46.9	3.2
12:15 AM - 12:20 AM	56.4	57.8	-1.4	7.0	-	52.4	46.9	5.5
12:20 AM - 12:25 AM	57.9	47.3	10.6	0.5	-	60.4	46.7	13.7
12:25 AM - 12:30 AM	58.5	48.6	9.9	0.5	-	61.0	46.9	14.1
12:30 AM - 12:35 AM	54.8	49.3	5.5	1.5	-	56.3	47.4	8.9
12:35 AM - 12:40 AM	55.0	53.1	1.9	4.5	-	53.3	48.2	5.3

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpore, A. Pluakdaeng, Rayong
Thailand 21140

Lot ID: 2397466
Date Received : Aug 30, 2023
Date Reported : Nov 03, 2023
Report Number : 2766772-1

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-13
Parameter : เสียงรบกวน
Location : ตำบลบ้านดอนทรายทอง (GPS 47P 0727793, 1433011)
Measurement Date : Aug 27 - 28, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 623389

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ระดับเสียง (dB(A))				เสียงที่ฐาน	ค่าเสียงกิจกรรม
			ผลต่างระดับเสียง	ค่าปรับ	ปรับค่าเสียงจากแหล่งกำเนิด			
					ค่าจริง	ค่าปรับ		
04:00 AM - 04:05 AM	53.3	49.8	3.5	2.0	-	54.3	46.0	8.3
04:05 AM - 04:10 AM	54.3	51.0	3.3	3.0	-	54.3	46.4	7.9
04:10 AM - 04:15 AM	54.1	49.8	4.3	2.0	-	55.1	46.1	9.0
04:15 AM - 04:20 AM	53.2	50.5	2.7	3.0	-	53.2	45.5	7.7
04:20 AM - 04:25 AM	55.8	47.1	8.7	0.5	-	58.3	45.2	13.1
04:25 AM - 04:30 AM	53.0	49.0	4.0	2.0	-	54.0	45.8	8.2
04:30 AM - 04:35 AM	53.4	49.1	4.3	2.0	-	54.4	45.5	8.9
04:35 AM - 04:40 AM	56.3	51.2	5.1	1.5	-	57.8	45.6	12.2
04:40 AM - 04:45 AM	53.5	51.6	1.9	4.5	-	52.0	45.0	7.0
04:45 AM - 04:50 AM	53.9	54.6	-0.7	7.0	-	49.9	45.3	4.6
04:50 AM - 04:55 AM	58.1	51.5	6.6	1.0	-	60.1	45.1	15.0
04:55 AM - 05:00 AM	54.7	50.1	4.6	1.5	-	56.2	45.0	11.2
05:00 AM - 05:05 AM	54.7	56.6	-1.9	7.0	-	50.7	45.3	5.4
05:05 AM - 05:10 AM	55.7	54.5	1.2	7.0	-	51.7	46.4	5.3
05:10 AM - 05:15 AM	55.7	60.3	-4.6	7.0	-	51.7	46.2	5.5
05:15 AM - 05:20 AM	54.6	52.5	2.1	4.5	-	53.1	46.2	6.9
05:20 AM - 05:25 AM	57.2	57.0	0.2	7.0	-	53.2	47.1	6.1
05:25 AM - 05:30 AM	59.7	57.0	2.7	3.0	-	59.7	46.8	12.9
05:30 AM - 05:35 AM	60.3	56.4	3.9	2.0	-	61.3	48.4	12.9
05:35 AM - 05:40 AM	63.7	59.0	4.7	1.5	-	65.2	48.8	16.4
05:40 AM - 05:45 AM	60.0	54.2	5.8	1.5	-	61.5	47.3	14.2
05:45 AM - 05:50 AM	59.1	57.0	2.1	4.5	-	57.6	48.7	8.9
05:50 AM - 05:55 AM	59.3	57.0	2.3	4.5	-	57.8	49.7	8.1
05:55 AM - 06:00 AM	56.3	59.7	-3.4	7.0	-	52.3	49.7	2.6
06:00 AM - 07:00 AM	61.3	61.7	-0.4	7.0	54.3	-	-	-1.2
07:00 AM - 08:00 AM	63.8	65.2	-1.4	7.0	56.8	-	-	-2.9
08:00 AM - 09:00 AM	62.4	63.8	-1.4	7.0	55.4	-	-	-3.3
09:00 AM - 10:00 AM	60.1	61.4	-1.3	7.0	53.1	-	-	-4.6
10:00 AM - 11:00 AM	60.2	61.0	-0.8	7.0	53.2	-	-	-3.4
11:00 AM - 12:00 PM	60.9	61.1	-0.2	7.0	53.9	-	-	-1.1
12:00 PM - 01:00 PM	59.4	63.6	-4.2	7.0	52.4	-	-	-5.7
01:00 PM - 02:00 PM	58.4	64.8	-6.4	7.0	51.4	-	-	-6.1

Reference Method :
1. ISO 1996-1
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่ได้จากการประกอบกิจการโรงงาน พ.ศ. 2553

หมายเหตุ :
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงรบกวนและระดับเสียงที่ได้จากการประกอบกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานเสียงที่ได้จากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
ระดับเสียงรบกวนค่าเฉลี่ย 24 ชั่วโมง : 72-78 dBA (Sample No.2397466-21) 21:00-24:00 ชั่วโมง : 65-70 dBA (Sample No.2397466-22) 24:00-06:00 ชั่วโมง : 55-60 dBA (Sample No.2397466-23) 06:00-21:00 ชั่วโมง : 55-60 dBA (Sample No.2397466-24)

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wiwann Borirak
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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpore, A. Pluakdaeng, Rayong
Thailand 21140

Lot ID: 2397466
Date Received : Aug 30, 2023
Date Reported : Nov 03, 2023
Report Number : 2766772-1

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-13
Parameter : เสียงรบกวน
Location : ตำบลบ้านดอนทรายทอง (GPS 47P 0727793, 1433011)
Measurement Date : Aug 27 - 28, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 623389

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ระดับเสียง (dB(A))		ค่าปรับเสียงจากแหล่งกำเนิด	เสียงที่เกิน	ค่าความแตกต่าง
			ผลต่าง	ค่าปรับ			
12:40 AM - 12:45 AM	53.4	51.7	1.7	4.5	-	51.9	47.3 4.6
12:45 AM - 12:50 AM	54.1	57.8	-3.7	7.0	-	50.1	47.3 2.8
12:50 AM - 12:55 AM	53.4	54.4	-1.0	7.0	-	49.4	48.1 1.3
12:55 AM - 01:00 AM	54.1	55.2	-1.1	7.0	-	50.1	48.0 2.1
01:00 AM - 01:05 AM	52.7	52.3	0.4	7.0	-	48.7	49.6 -0.9
01:05 AM - 01:10 AM	53.5	50.1	3.4	3.0	-	53.5	49.2 4.3
01:10 AM - 01:15 AM	53.1	62.4	-9.3	7.0	-	49.1	48.8 0.3
01:15 AM - 01:20 AM	53.0	49.9	3.1	3.0	-	53.0	47.1 4.9
01:20 AM - 01:25 AM	52.5	51.9	0.6	7.0	-	48.5	46.8 1.7
01:25 AM - 01:30 AM	52.6	52.6	0.0	7.0	-	48.6	46.7 1.9
01:30 AM - 01:35 AM	52.5	52.5	0.0	7.0	-	48.5	46.1 2.4
01:35 AM - 01:40 AM	52.6	53.9	-1.3	7.0	-	48.6	46.4 2.2
01:40 AM - 01:45 AM	53.3	48.1	5.2	1.5	-	54.8	46.2 8.6
01:45 AM - 01:50 AM	53.3	49.1	4.2	2.0	-	54.3	46.4 7.9
01:50 AM - 01:55 AM	53.2	50.1	3.1	3.0	-	53.2	48.0 5.2
01:55 AM - 02:00 AM	55.5	50.1	5.4	1.5	-	57.0	47.3 9.7
02:00 AM - 02:05 AM	53.3	46.7	6.6	1.0	-	55.3	46.1 9.2
02:05 AM - 02:10 AM	54.1	47.8	6.3	1.5	-	55.6	46.1 9.5
02:10 AM - 02:15 AM	52.7	46.6	6.1	1.5	-	54.2	46.2 8.0
02:15 AM - 02:20 AM	53.7	49.5	4.2	2.0	-	54.7	45.9 8.8
02:20 AM - 02:25 AM	53.0	49.1	3.9	2.0	-	54.0	45.6 8.4
02:25 AM - 02:30 AM	53.1	48.2	4.9	1.5	-	54.6	46.9 7.7
02:30 AM - 02:35 AM	52.8	47.9	4.9	1.5	-	54.3	47.4 6.9
02:35 AM - 02:40 AM	53.3	47.9	5.4	1.5	-	54.8	47.2 7.6
02:40 AM - 02:45 AM	54.0	54.2	-0.2	7.0	-	50.0	47.6 2.4
02:45 AM - 02:50 AM	53.6	50.8	2.8	3.0	-	53.6	48.7 4.9
02:50 AM - 02:55 AM	53.2	52.3	0.9	7.0	-	49.2	48.6 0.6
02:55 AM - 03:00 AM	54.9	48.9	6.0	1.5	-	56.4	47.9 8.5
03:00 AM - 03:05 AM	53.1	49.7	3.4	3.0	-	53.1	48.9 4.2
03:05 AM - 03:10 AM	53.8	50.8	3.0	3.0	-	53.8	49.1 4.7
03:10 AM - 03:15 AM	54.6	53.2	1.4	7.0	-	50.6	48.5 2.1
03:15 AM - 03:20 AM	53.8	49.3	4.5	1.5	-	53.8	47.4 6.4
03:20 AM - 03:25 AM	53.1	48.1	5.0	1.5	-	54.6	47.5 7.1
03:25 AM - 03:30 AM	55.1	48.5	6.6	1.0	-	57.1	47.6 9.5
03:30 AM - 03:35 AM	53.6	52.1	1.5	4.5	-	52.1	48.5 3.6
03:35 AM - 03:40 AM	53.4	49.1	4.3	2.0	-	54.4	48.2 6.2
03:40 AM - 03:45 AM	54.1	50.0	4.1	2.0	-	55.1	47.5 7.6
03:45 AM - 03:50 AM	52.9	52.6	0.3	7.0	-	48.9	46.6 2.3
03:50 AM - 03:55 AM	52.7	49.6	3.1	3.0	-	52.7	46.2 6.5
03:55 AM - 04:00 AM	54.1	6.0	1.5	-	55.6	45.8 9.8	



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabanyaporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. 2397466-14
Parameter เลื่อนรถขน
Location ตำบลคลองโหลงโคกรัง (GPS 47P 0727793, 1433011)
Measurement Date Aug 28 - 29, 2023
Measurement by Sawai Tonpho
Sound Level Meter 623389

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขนถ่าย	ระดับเสียง (dB(A))				ค่าระดับการขนถ่าย	
			ผลต่าง	ค่าปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด			
					ค่าเสียง	เสียงที่ฐาน		
12:40 AM - 12:45 AM	53.9	51.7	2.2	4.5	52.4	47.3	5.1	
12:45 AM - 12:50 AM	54.8	57.8	-3.0	7.0	-	50.8	47.3	3.5
12:50 AM - 12:55 AM	54.1	54.4	-0.3	7.0	-	50.1	48.1	2.0
12:55 AM - 01:00 AM	60.4	55.2	5.2	1.5	-	51.6	48.0	13.9
01:00 AM - 01:05 AM	54.9	52.3	2.6	3.0	-	54.9	47.6	7.3
01:05 AM - 01:10 AM	54.3	50.1	4.2	2.0	-	55.3	49.2	6.1
01:10 AM - 01:15 AM	54.9	62.4	-7.5	7.0	-	50.9	48.8	2.1
01:15 AM - 01:20 AM	57.1	49.9	7.2	1.0	-	59.1	48.1	11.0
01:20 AM - 01:25 AM	53.5	51.9	1.6	4.5	-	52.0	46.8	5.2
01:25 AM - 01:30 AM	53.7	52.6	1.1	7.0	-	49.7	46.7	3.0
01:30 AM - 01:35 AM	56.3	52.5	3.8	2.0	-	57.3	46.1	11.2
01:35 AM - 01:40 AM	53.6	53.9	-0.3	7.0	-	49.6	46.4	3.2
01:40 AM - 01:45 AM	53.3	48.1	5.2	1.5	-	54.8	46.2	8.6
01:45 AM - 01:50 AM	53.3	49.1	4.2	2.0	-	54.3	46.4	7.9
01:50 AM - 01:55 AM	55.8	50.1	5.7	1.5	-	57.3	48.0	9.3
01:55 AM - 02:00 AM	53.6	50.1	3.5	2.0	-	54.6	47.3	7.3
02:00 AM - 02:05 AM	53.5	46.7	6.8	1.0	-	55.5	46.1	9.4
02:05 AM - 02:10 AM	52.7	47.8	4.9	1.5	-	54.7	46.1	8.1
02:10 AM - 02:15 AM	54.7	46.6	8.1	0.5	-	57.2	46.2	11.0
02:15 AM - 02:20 AM	53.1	49.5	3.6	2.0	-	54.1	45.9	8.2
02:20 AM - 02:25 AM	54.4	49.1	5.3	1.5	-	55.9	45.6	10.3
02:25 AM - 02:30 AM	54.4	48.2	6.2	1.5	-	55.9	45.9	9.0
02:30 AM - 02:35 AM	54.6	47.9	6.7	1.0	-	56.6	47.4	9.2
02:35 AM - 02:40 AM	52.6	47.9	4.7	1.5	-	54.1	47.2	6.9
02:40 AM - 02:45 AM	54.8	54.2	0.6	7.0	-	50.8	47.6	3.2
02:45 AM - 02:50 AM	55.4	50.8	4.6	1.5	-	56.7	47.7	8.9
02:50 AM - 02:55 AM	53.3	52.3	1.0	7.0	-	49.3	48.6	0.7
02:55 AM - 03:00 AM	54.3	49.9	4.4	1.5	-	55.8	47.9	7.9
03:00 AM - 03:05 AM	53.9	49.7	4.2	2.0	-	54.9	48.9	6.0
03:05 AM - 03:10 AM	54.9	50.8	4.1	2.0	-	55.9	49.1	6.9
03:10 AM - 03:15 AM	53.3	53.2	0.1	7.0	-	49.3	48.5	0.8
03:15 AM - 03:20 AM	54.8	49.3	5.5	1.5	-	56.3	47.4	8.9
03:20 AM - 03:25 AM	52.7	48.1	4.6	1.5	-	54.2	47.5	6.7
03:25 AM - 03:30 AM	52.8	48.5	4.3	2.0	-	54.3	47.6	6.8
03:30 AM - 03:35 AM	54.2	52.1	2.1	4.5	-	52.2	48.5	4.7
03:35 AM - 03:40 AM	53.7	49.1	4.6	1.0	-	57.7	48.2	9.5
03:40 AM - 03:45 AM	53.8	50.0	3.8	2.0	-	54.8	47.5	7.3
03:45 AM - 03:50 AM	53.6	52.6	1.0	7.0	-	49.6	46.6	3.0
03:50 AM - 03:55 AM	54.5	49.6	4.9	1.5	-	56.6	47.2	9.4
03:55 AM - 04:00 AM	55.9	48.1	7.8	0.5	-	58.4	45.8	12.6

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabanyaporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. 2397466-15
Parameter เลื่อนรถขน
Location ตำบลคลองโหลงโคกรัง (GPS 47P 0727204, 1433094)
Measurement Date Aug 22 - 23, 2023
Measurement by Sawai Tonpho
Sound Level Meter 623391

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขน	ผลต่าง	ค่าปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด	เสียงที่ขน
						ค่าระดับการขน
02:00 PM - 03:00 PM	55.5	65.0	-9.5	7.0	48.5	-
03:00 PM - 04:00 PM	55.5	63.3	-7.8	7.0	48.5	-
04:00 PM - 05:00 PM	55.8	63.6	-7.8	7.0	48.8	-
05:00 PM - 06:00 PM	55.0	62.9	-7.9	7.0	48.1	-
06:00 PM - 07:00 PM	60.2	62.4	-2.2	7.0	53.2	-
07:00 PM - 08:00 PM	58.8	62.6	-3.8	7.0	51.8	-
08:00 PM - 09:00 PM	60.6	60.7	-0.1	7.0	53.6	-
09:00 PM - 10:00 PM	59.9	56.1	3.8	2.0	57.9	-
10:00 PM - 10:05 PM	60.9	52.1	8.8	0.5	-	63.4
10:05 PM - 10:10 PM	60.2	54.0	6.2	1.5	-	60.7
10:10 PM - 10:15 PM	59.5	54.3	5.2	1.5	-	61.0
10:15 PM - 10:20 PM	60.1	55.3	4.8	1.5	-	61.6
10:20 PM - 10:25 PM	58.6	55.7	2.9	3.0	-	58.6
10:25 PM - 10:30 PM	59.7	57.5	2.2	4.5	-	58.2
10:30 PM - 10:35 PM	57.5	57.0	0.5	7.0	-	53.5
10:35 PM - 10:40 PM	57.8	57.1	0.7	7.0	-	53.8
10:40 PM - 10:45 PM	60.3	54.8	5.5	1.5	-	61.8
10:45 PM - 10:50 PM	60.0	54.8	5.2	1.5	-	61.5
10:50 PM - 10:55 PM	58.5	54.9	3.6	2.0	-	59.4
10:55 PM - 11:00 PM	58.4	55.0	3.4	2.0	-	58.4
11:00 PM - 11:05 PM	57.9	54.4	3.5	2.0	-	58.9
11:05 PM - 11:10 PM	58.0	55.7	2.3	4.5	-	56.5
11:10 PM - 11:15 PM	58.0	53.5	4.5	1.5	-	59.5
11:15 PM - 11:20 PM	58.1	56.2	1.9	4.5	-	56.2
11:20 PM - 11:25 PM	58.5	52.2	6.3	1.5	-	60.3
11:25 PM - 11:30 PM	58.3	57.3	1.0	7.0	-	54.3
11:30 PM - 11:35 PM	59.6	56.0	3.6	2.0	-	60.6
11:35 PM - 11:40 PM	59.5	52.7	6.8	1.0	-	61.5
11:40 PM - 11:45 PM	59.6	52.6	7.0	1.0	-	61.6
11:45 PM - 11:50 PM	58.5	49.4	9.1	0.5	-	61.0
11:50 PM - 11:55 PM	59.2	47.8	11.4	0.5	-	61.7
11:55 PM - 12:00 AM	59.1	52.4	6.7	1.0	-	61.1
12:00 AM - 12:05 AM	59.2	52.6	6.6	1.0	-	61.2
12:05 AM - 12:10 AM	59.3	54.6	4.7	1.5	-	60.8
12:10 AM - 12:15 AM	59.5	50.5	9.0	0.5	-	62.0
12:15 AM - 12:20 AM	59.2	49.5	9.3	0.5	-	61.7
12:20 AM - 12:25 AM	59.2	53.9	5.3	1.5	-	60.7
12:25 AM - 12:30 AM	59.8	50.8	9.0	0.5	-	62.3
12:30 AM - 12:35 AM	59.7	53.1	6.6	1.0	-	61.7
12:35 AM - 12:40 AM	59.9	50.5	9.4	0.5	-	62.4

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabanyaporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. 2397466-14
Parameter เลื่อนรถขน
Location ตำบลคลองโหลงโคกรัง (GPS 47P 0727793, 1433011)
Measurement Date Aug 28 - 29, 2023
Measurement by Sawai Tonpho
Sound Level Meter 623389

ระดับเสียง (dB(A))						เสียงพื้นฐาน		การขน	
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขน	ผลต่าง	ค่าปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		ค่าเสียง	การขน	
					ค่าจริง	ค่าปรับ			
04:00 AM - 04:05 AM	59.6	49.8	9.8	0.5	-	62.1	46.0	16.1	
04:05 AM - 04:10 AM	53.3	51.0	2.3	4.5	-	53.8	54.1	-0.4	
04:10 AM - 04:15 AM	57.6	49.8	7.8	0.5	-	60.1	46.1	14.0	
04:15 AM - 04:20 AM	53.6	50.5	3.1	3.0	-	53.6	45.5	8.1	
04:20 AM - 04:25 AM	55.2	47.1	8.1	0.5	-	57.7	45.2	12.5	
04:25 AM - 04:30 AM	53.6	49.0	4.6	1.5	-	55.6	45.5	10.1	
04:30 AM - 04:35 AM	55.3	49.1	6.2	1.5	-	56.8	45.5	11.3	
04:35 AM - 04:40 AM	56.8	51.2	5.6	1.5	-	58.3	45.6	12.7	
04:40 AM - 04:45 AM	55.2	51.6	3.6	2.0	-	56.2	45.0	11.2	
04:45 AM - 04:50 AM	54.0	54.6	-0.6	7.0	-	59.0	45.6	4.7	
04:50 AM - 04:55 AM	58.1	51.5	6.6	1.0	-	60.1	45.1	15.0	
04:55 AM - 05:00 AM	58.8	50.1	8.7	0.5	-	61.3	45.0	16.3	
05:00 AM - 05:05 AM	57.4	56.6	0.8	7.0	-	63.4	45.3	8.1	
05:05 AM - 05:10 AM	58.0	54.5	3.5	2.0	-	60.2	45.6	12.6	
05:10 AM - 05:15 AM	55.2	60.3	-5.1	7.0	-	51.2	46.2	5.0	
05:15 AM - 05:20 AM	56.8	52.5	4.3	2.0	-	57.8	46.2	11.6	
05:20 AM - 05:25 AM	56.0	57.0	-1.0	7.0	-	62.0	46.1	6.9	
05:25 AM - 05:30 AM	59.2	57.0	2.2	4.5	-	57.7	46.7	10.9	
05:30 AM - 05:35 AM	62.3	56.4	5.9	1.5	-	63.8	48.4	15.4	
05:35 AM - 05:40 AM	64.1	59.0	5.1	1.5	-	65.6	48.8	16.8	
05:40 AM - 05:45 AM	59.7	54.2	5.5	1.5	-	61.2	47.3	13.9	
05:45 AM - 05:50 AM	59.7	57.0	2.7	3.0	-	59.7	48.7	11.0	
05:50 AM - 05:55 AM	59.6	57.0	2.6	3.0	-	59.6	49.7	9.9	
05:55 AM - 06:00 AM	57.6	59.7	-2.1	7.0	-	53.6	49.7	3.9	
06:00 AM - 07:00 AM	61.6	61.7	-0.1	7.0	54.6	-	55.5	-0.9	
07:00 AM - 08:00 AM	64.1	65.2	-1.1	7.0	57.1	-	59.7	-2.6	
08:00 AM - 09:00 AM	62.1	63.8	-1.7	7.0	55.1	-	58.3	-3.2	
09:00 AM - 10:00 AM	61.1	61.4	-0.3	7.0	54.1	-	56.4	-2.3	
10:00 AM - 11:00 AM	59.7	61.0	-1.3	7.0	52.7	-	54.6	-1.9	
11:00 AM - 12:00 PM	59.4	61.1	-1.7	7.0	52.4	-	55.0	-2.6	
12:00 PM - 01:00 PM	58.4	63.6	-5.2	7.0	51.4	-	57.7	-6.3	
01:00 PM - 02:00 PM	58.6	64.8	-6.2	7.0	51.6	-	61.1	-9.5	

ค่ามาตรฐาน

Reference Method :

1. ISO 1996-1

2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

มาตรฐาน

1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการขนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

2. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการขนและระดับเสียงที่เกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

ระดับเสียงจากแหล่งกำเนิด ค่าการขนระดับ 28-32 เสียงตาม 2566

ระดับเสียงที่ขนและระดับเสียงขณะไม่มีการขน (Sample No.2397467-2 วันเสาร์ที่ 29-30 ตุลาคม 2566)

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Approved by

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Manager

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabanyaporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. 2397466-15
Parameter เลื่อนรถขน
Location ตำบลคลองโหลงโคกรัง (GPS 47P 0727204, 1433094)
Measurement Date Aug 22 - 23, 2023
Measurement by Sawai Tonpho
Sound Level Meter 623391

เวลา	เสียงจากแหล่งกำเนิด	ระดับเสียง (dB(A))				ปรับค่าเสียงจากแหล่งกำเนิด	เสียงที่ทราบ	ค่าเสียงที่ทราบ	
		เสียงขณะไม่มีการขนถ่าย	ผลต่างระดับเสียง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด				
					ค่าจริง				ค่าปรับ
12:40 AM - 12:45 AM	59.9	52.0	7.9	0.5	-	62.4	47.1	15.3	
12:45 AM - 12:50 AM	58.8	52.5	6.3	1.5	-	60.3	47.5	12.8	
12:50 AM - 12:55 AM	59.2	49.2	10.0	0.5	-	63.8	46.8	17.0	
12:55 AM - 01:00 AM	59.0	48.1	10.9	0.5	-	61.5	46.7	14.8	
01:00 AM - 01:05 AM	59.3	58.9	0.4	7.0	-	55.3	46.8	8.5	
01:05 AM - 01:10 AM	58.9	47.3	11.6	0.5	-	61.4	46.8	14.6	
01:10 AM - 01:15 AM	59.8	48.6	11.2	0.5	-	62.7	46.5	16.2	
01:15 AM - 01:20 AM	60.2	48.6	11.6	0.5	-	62.7	46.5	16.2	
01:20 AM - 01:25 AM	61.2	51.2	10.0	0.5	-	63.7	46.2	17.5	
01:25 AM - 01:30 AM	60.1	51.2	8.9	0.5	-	62.6	46.1	16.5	
01:30 AM - 01:35 AM	60.1	50.2	9.9	0.5	-	62.6	46.2	16.4	
01:35 AM - 01:40 AM	59.3	51.8	7.5	0.5	-	61.8	46.4	15.4	
01:40 AM - 01:45 AM	59.1	52.6	6.5	1.0	-	61.1	46.7	14.4	
01:45 AM - 01:50 AM	58.7	49.6	9.1	0.5	-	61.2	46.5	14.7	
01:50 AM - 01:55 AM	58.6	48.7	9.9	0.5	-	61.9	46.5	14.8	
01:55 AM - 02:00 AM	57.6	52.2	5.4	1.5	-	59.1	46.8	12.3	
02:00 AM - 02:05 AM	57.8	51.2	6.6	1.0	-	59.8	46.7	13.1	
02:05 AM - 02:10 AM	57.1	53.3	3.8	2.0	-	58.1	46.8	11.3	
02:10 AM - 02:15 AM	59.1	49.1	10.0	0.5	-	61.6	46.5	15.0	
02:15 AM - 02:20 AM	58.1	49.1	9.0	0.5	-	60.6	46.6	14.0	
02:20 AM - 02:25 AM	55.4	48.5	6.9	1.0	-	57.4	46.4	11.0	
02:25 AM - 02:30 AM	55.5	49.1	6.4	1.5	-	57.0	46.5	10.5	
02:30 AM - 02:35 AM	55.2	47.2	8.0	2.0	-	56.2	46.8	9.4	
02:35 AM - 02:40 AM	55.9	47.3	8.6	0.5	-	58.4	46.4	12.0	
02:40 AM - 02:45 AM	56.6	47.4	9.2	0.5	-	59.1	46.5	12.6	
02:45 AM - 02:50 AM	57.4	50.4	7.0	1.0	-	59.4	46.8	12.6	
02:50 AM - 02:55 AM	58.5	48.8	9.4	0.5	-	60.5	46.5	13.8	
02:55 AM - 03:00 AM	57.3	47.1	10.2	0.5	-	59.8	46.4	13.4	
03:00 AM - 03:05 AM	57.4	47.0	10.4	0.5	-	59.9	46.2	13.7	
03:05 AM - 03:10 AM	57.8	48.8	9.0	0.5	-	60.3	46.2	14.1	
03:10 AM - 03:15 AM	58.6	47.3	11.3	0.5	-	61.1	46.1	15.0	
03:15 AM - 03:20 AM	57.6	47.6	10.0	0.5	-	60.6	46.6	13.8	
03:20 AM - 03:25 AM	58.3	49.5	8.8	0.5	-	60.8	46.5	14.3	
03:25 AM - 03:30 AM	60.5	51.7	8.8	0.5	-	63.0	46.8	16.2	
03:30 AM - 03:35 AM	62.2	49.2	13.0	0.0	-	65.2	46.2	19.0	
03:35 AM - 03:40 AM	61.6	50.6	11.0	0.5	-	64.0	46.0	18.2	
03:40 AM - 03:45 AM	62.2	51.2	11.0	0.5	-	64.7	46.4	18.3	
03:45 AM - 03:50 AM	63.6	49.4	14.2	0.0	-	66.6	46.1	20.5	
03:50 AM - 03:55 AM	63.5	48.9	14.6	0.0	-	66.5	46.1	20.4	
03:55 AM - 04:00 AM	62.4	50.4	12.0	0.0	-	64.4	46.1	18.3	



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabanyaporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-15
Parameter : เสียงรบกวน
Location : ตำบลบ้านนา หมู่ 6, อ.เมือง, จ.ระยอง (GPS 47P 0727204, 1433094)
Measurement Date : Aug 22 - 23, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 623391

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	ผลต่าง	ค่าปรับ	ระดับเสียง (dB(A))		ค่าเฉลี่ย
					ค่าจริง	ค่าปรับ	
04:00 AM - 04:05 AM	63.0	52.3	10.7	0.5	-	65.5	46.1
04:05 AM - 04:10 AM	61.6	49.5	12.1	0.5	-	64.1	46.2
04:10 AM - 04:15 AM	61.1	52.3	8.8	0.5	-	63.6	46.3
04:15 AM - 04:20 AM	60.2	61.0	-0.8	7.0	-	56.2	47.0
04:20 AM - 04:25 AM	61.3	53.3	8.0	0.5	-	63.8	46.3
04:25 AM - 04:30 AM	60.5	53.7	6.8	1.0	-	62.5	47.1
04:30 AM - 04:35 AM	59.6	51.0	8.6	0.5	-	62.1	46.1
04:35 AM - 04:40 AM	58.1	54.3	3.8	2.0	-	59.1	46.7
04:40 AM - 04:45 AM	57.8	54.5	3.3	3.0	-	57.8	46.7
04:45 AM - 04:50 AM	57.4	56.5	0.9	7.0	-	53.4	47.6
04:50 AM - 04:55 AM	58.9	55.8	3.1	3.0	-	58.9	47.6
04:55 AM - 05:00 AM	59.8	57.8	2.0	4.5	-	58.3	48.8
05:00 AM - 05:05 AM	57.4	58.8	-1.4	7.0	-	53.4	48.6
05:05 AM - 05:10 AM	56.9	54.6	2.3	4.5	-	55.4	48.7
05:10 AM - 05:15 AM	56.5	56.1	0.4	7.0	-	52.5	48.7
05:15 AM - 05:20 AM	56.1	57.0	-0.9	7.0	-	52.1	50.1
05:20 AM - 05:25 AM	56.2	57.1	-0.9	7.0	-	52.2	48.7
05:25 AM - 05:30 AM	56.2	57.0	-0.8	7.0	-	52.2	49.7
05:30 AM - 05:35 AM	56.0	58.2	-2.2	7.0	-	52.0	49.2
05:35 AM - 05:40 AM	57.9	57.9	0.0	7.0	-	53.9	50.4
05:40 AM - 05:45 AM	58.2	58.5	-0.3	7.0	-	54.2	48.3
05:45 AM - 05:50 AM	58.6	57.2	1.4	7.0	-	54.6	50.3
05:50 AM - 05:55 AM	57.2	59.6	-2.4	7.0	-	53.2	51.7
05:55 AM - 06:00 AM	56.4	59.5	-3.1	7.0	-	52.4	53.5
06:00 AM - 07:00 AM	56.8	63.9	-7.1	7.0	49.8	-	58.7
07:00 AM - 08:00 AM	55.2	65.6	-10.4	7.0	48.2	-	60.3
08:00 AM - 09:00 AM	58.4	64.2	-5.8	7.0	51.4	-	58.6
09:00 AM - 10:00 AM	57.1	62.2	-5.1	7.0	50.1	-	56.1
10:00 AM - 11:00 AM	55.4	60.7	-5.3	7.0	48.7	-	55.6
11:00 AM - 12:00 PM	55.0	60.7	-5.7	7.0	48.0	-	54.9
12:00 PM - 01:00 PM	53.9	60.5	-6.6	7.0	46.9	-	54.1
01:00 PM - 02:00 PM	58.9	62.2	-3.3	7.0	51.9	-	57.6

Reference Method :
1. ISO 1996-1
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

หมายเหตุ :
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่ามาตรฐานเสียงรบกวนที่เกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
ระดับเสียงตามเกณฑ์ค่ามาตรฐานเสียงรบกวน (Sample No.2397467-3) วันที่ตรวจวัด 29-30 ตุลาคม 2566

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabanyaporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-16
Parameter : เสียงรบกวน
Location : ตำบลบ้านนา หมู่ 6, อ.เมือง, จ.ระยอง (GPS 47P 0727204, 1433094)
Measurement Date : Aug 23 - 24, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 623391

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	ผลต่าง	ค่าปรับ	ระดับเสียง (dB(A))		ค่าเฉลี่ย
					ค่าจริง	ค่าปรับ	
12:40 AM - 12:45 AM	55.7	52.0	3.7	2.0	-	56.7	47.1
12:45 AM - 12:50 AM	56.4	52.5	3.9	2.0	-	57.4	47.5
12:50 AM - 12:55 AM	56.1	49.2	6.9	1.0	-	58.1	46.8
12:55 AM - 01:00 AM	55.7	48.1	7.6	0.5	-	58.2	46.7
01:00 AM - 01:05 AM	55.6	58.9	-3.3	7.0	-	51.6	46.8
01:05 AM - 01:10 AM	55.2	47.3	7.9	0.5	-	57.7	46.6
01:10 AM - 01:15 AM	55.3	48.6	6.7	1.0	-	57.3	46.7
01:15 AM - 01:20 AM	56.1	48.6	7.5	0.5	-	58.6	46.5
01:20 AM - 01:25 AM	56.1	51.2	4.9	1.5	-	57.6	46.2
01:25 AM - 01:30 AM	56.2	51.2	5.0	1.5	-	57.7	46.1
01:30 AM - 01:35 AM	55.8	50.2	5.6	1.5	-	57.3	46.2
01:35 AM - 01:40 AM	56.5	51.8	4.7	1.5	-	58.0	46.4
01:40 AM - 01:45 AM	58.1	52.6	5.5	1.5	-	59.6	46.7
01:45 AM - 01:50 AM	59.3	49.6	9.7	0.5	-	61.8	46.5
01:50 AM - 01:55 AM	59.9	48.7	11.2	0.5	-	62.4	46.3
01:55 AM - 02:00 AM	60.2	52.2	8.0	0.5	-	62.7	46.8
02:00 AM - 02:05 AM	60.0	51.2	8.8	0.5	-	60.5	46.7
02:05 AM - 02:10 AM	56.6	53.3	3.3	3.0	-	56.6	46.8
02:10 AM - 02:15 AM	57.1	49.1	8.0	0.5	-	59.6	46.6
02:15 AM - 02:20 AM	58.5	49.1	9.4	0.5	-	61.0	46.6
02:20 AM - 02:25 AM	58.4	48.5	9.9	0.5	-	60.9	46.4
02:25 AM - 02:30 AM	59.9	49.1	10.8	0.5	-	62.4	46.5
02:30 AM - 02:35 AM	60.3	51.0	9.3	0.5	-	62.8	46.8
02:35 AM - 02:40 AM	62.7	47.3	15.4	0.0	-	65.7	46.4
02:40 AM - 02:45 AM	63.2	47.4	15.8	0.0	-	66.2	46.5
02:45 AM - 02:50 AM	63.2	50.4	12.8	0.0	-	66.2	46.8
02:50 AM - 02:55 AM	62.6	48.6	14.0	0.0	-	65.6	46.7
02:55 AM - 03:00 AM	62.8	47.1	15.7	0.0	-	65.8	46.4
03:00 AM - 03:05 AM	62.9	47.0	15.9	0.0	-	65.9	46.2
03:05 AM - 03:10 AM	62.6	48.8	13.8	0.0	-	65.6	46.2
03:10 AM - 03:15 AM	61.5	47.3	14.2	0.0	-	64.5	46.1
03:15 AM - 03:20 AM	62.6	47.0	15.6	0.0	-	65.6	46.3
03:20 AM - 03:25 AM	62.5	49.5	13.0	0.0	-	65.5	46.5
03:25 AM - 03:30 AM	62.4	51.7	10.7	0.5	-	64.9	46.8
03:30 AM - 03:35 AM	62.6	49.2	13.4	0.0	-	65.6	46.2
03:35 AM - 03:40 AM	62.4	50.6	11.8	0.5	-	64.9	45.9
03:40 AM - 03:45 AM	60.1	51.2	8.9	0.5	-	62.6	46.4
03:45 AM - 03:50 AM	62.6	49.4	13.2	0.0	-	65.6	46.1
03:50 AM - 03:55 AM	62.7	48.9	13.8	0.0	-	65.7	46.1
03:55 AM - 04:00 AM	63.7	50.2	13.5	0.0	-	66.7	46.1

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabanyaporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-16
Parameter : เสียงรบกวน
Location : ตำบลบ้านนา หมู่ 6, อ.เมือง, จ.ระยอง (GPS 47P 0727204, 1433094)
Measurement Date : Aug 23 - 24, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 623391

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	ผลต่าง	ค่าปรับ	ระดับเสียง (dB(A))		ค่าเฉลี่ย
					ค่าจริง	ค่าปรับ	
02:00 PM - 03:00 PM	63.2	65.0	-1.8	7.0	-	56.2	-3.7
03:00 PM - 04:00 PM	56.2	63.3	-7.1	7.0	-	49.2	-
04:00 PM - 05:00 PM	55.2	63.6	-8.4	7.0	-	48.2	-
05:00 PM - 06:00 PM	54.6	62.9	-8.3	7.0	-	47.6	-
06:00 PM - 07:00 PM	55.1	62.4	-7.3	7.0	-	48.1	-
07:00 PM - 08:00 PM	60.0	62.6	-2.6	7.0	-	53.0	-
08:00 PM - 09:00 PM	56.7	60.7	-4.0	7.0	-	49.7	-
09:00 PM - 10:00 PM	56.6	56.1	0.5	7.0	-	49.6	-
10:00 PM - 10:05 PM	56.3	52.1	4.2	2.0	-	57.3	-
10:05 PM - 10:10 PM	58.0	54.0	4.0	2.0	-	59.0	-
10:10 PM - 10:15 PM	58.9	54.3	4.6	1.5	-	60.4	-
10:15 PM - 10:20 PM	61.0	55.3	5.7	1.5	-	62.5	-
10:20 PM - 10:25 PM	59.2	55.7	3.5	2.0	-	60.2	-
10:25 PM - 10:30 PM	59.9	57.5	2.4	4.5	-	58.4	-
10:30 PM - 10:35 PM	59.6	57.0	2.6	3.0	-	59.6	-
10:35 PM - 10:40 PM	59.3	57.1	2.2	4.5	-	57.8	-
10:40 PM - 10:45 PM	60.3	54.8	5.5	1.5	-	61.8	-
10:45 PM - 10:50 PM	58.8	54.8	4.0	2.0	-	59.8	-
10:50 PM - 10:55 PM	60.1	54.9	5.2	1.5	-	61.6	-
10:55 PM - 11:00 PM	59.8	55.0	4.8	1.5	-	61.3	-
11:00 PM - 11:05 PM	59.7	54.4	5.3	1.5	-	61.2	-
11:05 PM - 11:10 PM	58.7	55.7	3.0	3.0	-	58.7	-
11:10 PM - 11:15 PM	55.6	53.5	2.1	4.5	-	54.1	-
11:15 PM - 11:20 PM	55.4	56.2	-0.8	7.0	-	51.4	-
11:20 PM - 11:25 PM	55.0	52.2	2.8	3.0	-	55.0	-
11:25 PM - 11:30 PM	54.9	57.3	-2.4	7.0	-	50.9	-
11:30 PM - 11:35 PM	54.4	56.0	-1.6	7.0	-	51.4	-
11:35 PM - 11:40 PM	54.9	52.7	2.2	4.5	-	53.4	-
11:40 PM - 11:45 PM	55.1	52.6	2.5	3.0	-	55.1	-
11:45 PM - 11:50 PM	54.8	49.4	5.4	1.5	-	56.3	-
11:50 PM - 11:55 PM	55.4	47.8	7.6	0.5	-	57.9	-
11:55 PM - 12:00 AM	54.8	52.4	2.4	4.5	-	53.3	-
12:00 AM - 12:05 AM	54.6	52.6	2.0	4.5	-	53.1	-
12:05 AM - 12:10 AM	54.3	54.6	-0.3	7.0	-	50.3	-
12:10 AM - 12:15 AM	54.3	50.5	3.8	2.0	-	55.3	-
12:15 AM - 12:20 AM	54.4	49.9	4.5	1.5	-	55.9	-
12:20 AM - 12:25 AM	55.0	53.9	1.1	7.0	-	51.0	-
12:25 AM - 12:30 AM	55.1	50.8	4.3	2.0	-	56.1	-
12:30 AM - 12:35 AM	55.1	53.1	2.0	4.5	-	53.6	-
12:35 AM - 12:40 AM	55.1	50.5	4.6	1.5	-	56.6	-

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company





Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpore, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-17
Parameter : เสียงรบกวน
Location : ตำบลบ้านใหม่คลองโคกกรวย (GPS 47P 0727204, 1433094)
Measurement Date : Aug 24 - 25, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 623391

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ระดับเสียง (dB(A))		ปรับค่าเสียงจากแหล่งกำเนิดตามชนิดทางเดิน	เสียงที่ฐาน	ค่าระดับการรบกวน
			ผลต่างระดับเสียง	ตัวปรับค่า			
02:00 PM - 03:00 PM	60.6	65.0	-4.4	7.0	53.6	59.9	-6.3
03:00 PM - 04:00 PM	64.6	63.3	1.3	7.0	57.6	58.0	-0.4
04:00 PM - 05:00 PM	60.4	63.6	-3.2	7.0	53.4	58.2	-4.8
05:00 PM - 06:00 PM	55.5	62.9	-7.4	7.0	48.5	58.5	-10.0
06:00 PM - 07:00 PM	56.4	62.4	-6.0	7.0	49.4	57.0	-8.6
07:00 PM - 08:00 PM	61.5	62.6	-1.1	7.0	54.5	57.6	-3.1
08:00 PM - 09:00 PM	60.5	60.7	-0.2	7.0	53.5	55.7	-2.2
09:00 PM - 10:00 PM	56.1	56.1	0.0	7.0	49.1	50.1	-1.0
10:00 PM - 10:05 PM	61.6	52.1	9.5	0.5	-	64.1	14.2
10:05 PM - 10:10 PM	59.9	54.0	5.9	1.5	-	61.4	50.7
10:10 PM - 10:15 PM	60.4	54.3	6.1	1.5	-	61.9	51.0
10:15 PM - 10:20 PM	60.5	55.3	5.2	1.5	-	62.0	51.0
10:20 PM - 10:25 PM	59.8	55.7	4.1	2.0	-	60.2	8.6
10:25 PM - 10:30 PM	55.8	57.5	-1.7	7.0	51.8	58.2	-0.4
10:30 PM - 10:35 PM	55.9	57.0	-1.1	7.0	51.9	50.6	1.3
10:35 PM - 10:40 PM	55.4	57.1	-1.7	7.0	51.4	49.1	2.3
10:40 PM - 10:45 PM	56.5	54.8	1.7	4.5	-	55.0	49.1
10:45 PM - 10:50 PM	57.1	54.8	2.3	4.5	-	55.6	7.2
10:50 PM - 10:55 PM	57.3	54.9	2.4	4.5	-	55.8	49.4
10:55 PM - 11:00 PM	58.5	55.0	3.5	2.0	-	59.5	50.5
11:00 PM - 11:05 PM	58.2	54.4	3.8	2.0	-	59.2	51.0
11:05 PM - 11:10 PM	58.1	55.7	2.4	4.5	-	56.6	52.1
11:10 PM - 11:15 PM	58.9	53.5	5.4	1.5	-	60.4	49.6
11:15 PM - 11:20 PM	57.3	53.2	4.1	7.0	51.3	49.2	4.1
11:20 PM - 11:25 PM	56.8	52.2	4.6	1.5	-	58.3	49.3
11:25 PM - 11:30 PM	57.5	57.3	0.2	7.0	53.5	49.6	3.9
11:30 PM - 11:35 PM	56.8	56.0	0.8	7.0	52.8	49.5	3.3
11:35 PM - 11:40 PM	56.5	52.7	3.8	2.0	-	57.5	49.2
11:40 PM - 11:45 PM	56.5	52.6	3.9	2.0	-	57.5	48.3
11:45 PM - 11:50 PM	56.4	49.4	7.0	1.0	-	58.0	11.5
11:50 PM - 11:55 PM	57.2	47.8	9.4	0.5	-	59.7	46.7
11:55 PM - 12:00 AM	57.0	52.4	4.6	1.5	-	58.5	46.9
12:00 AM - 12:05 AM	56.7	52.6	4.1	2.0	-	57.7	47.1
12:05 AM - 12:10 AM	56.5	54.6	1.9	4.5	-	55.0	46.8
12:10 AM - 12:15 AM	56.3	50.5	5.8	1.5	-	47.8	10.3
12:15 AM - 12:20 AM	56.0	49.9	6.1	1.5	-	57.5	47.1
12:20 AM - 12:25 AM	56.8	53.9	2.9	3.0	-	56.8	48.3
12:25 AM - 12:30 AM	57.3	50.8	6.5	1.0	-	59.3	47.6
12:30 AM - 12:35 AM	56.5	53.1	3.4	3.0	-	56.1	9.1
12:35 AM - 12:40 AM	56.6	50.5	6.1	1.5	-	58.1	46.9

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpore, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-17
Parameter : เสียงรบกวน
Location : ตำบลบ้านใหม่คลองโคกกรวย (GPS 47P 0727204, 1433094)
Measurement Date : Aug 24 - 25, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 623391

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ระดับเสียง (dB(A))				ค่าระดับการรบกวน	
			ผลต่าง	ค่าปรับ		เสียงที่ปรับแล้ว		
				ค่าปรับ	ค่าปรับ			
02:00 AM - 03:00 AM	62.7	52.3	10.4	0.5	-	65.1	46.1	19.1
03:00 AM - 04:00 AM	63.1	49.5	13.6	0.0	-	66.1	46.2	19.9
04:00 AM - 04:15 AM	63.2	52.3	10.9	0.5	-	65.7	46.3	19.4
04:15 AM - 04:20 AM	63.1	61.0	2.1	4.5	-	61.6	47.0	14.6
04:20 AM - 04:25 AM	62.3	53.3	9.0	0.5	-	66.3	46.8	19.5
04:25 AM - 04:30 AM	62.6	53.7	8.9	0.5	-	65.1	47.1	18.0
04:30 AM - 04:35 AM	63.0	51.0	12.0	0.5	-	65.5	46.1	19.4
04:35 AM - 04:40 AM	62.9	54.3	8.6	0.5	-	65.4	46.7	18.7
04:40 AM - 04:45 AM	62.8	54.5	8.3	0.5	-	66.4	46.7	18.6
04:45 AM - 04:50 AM	62.6	56.5	6.1	1.5	-	64.1	47.6	16.5
04:50 AM - 04:55 AM	62.1	55.8	6.3	1.5	-	63.6	47.6	16.0
04:55 AM - 05:00 AM	63.0	57.8	5.2	1.5	-	64.5	48.8	15.7
05:00 AM - 05:05 AM	63.7	49.8	13.9	1.5	-	64.6	48.6	16.6
05:05 AM - 05:10 AM	63.8	54.6	9.2	0.5	-	66.3	48.7	17.6
05:10 AM - 05:15 AM	63.6	56.1	7.5	0.5	-	66.1	48.7	17.4
05:15 AM - 05:20 AM	63.4	57.0	6.4	1.5	-	64.9	50.1	14.8
05:20 AM - 05:25 AM	63.4	57.1	6.3	1.5	-	64.9	48.3	16.2
05:25 AM - 05:30 AM	62.8	57.0	5.8	1.5	-	64.3	49.7	14.6
05:30 AM - 05:35 AM	63.6	58.2	5.4	1.5	-	65.1	49.2	15.9
05:35 AM - 05:40 AM	63.9	57.9	6.0	1.5	-	65.4	50.4	15.0
05:40 AM - 05:45 AM	62.4	58.5	3.9	2.0	-	63.4	48.3	15.1
05:45 AM - 05:50 AM	63.9	57.2	6.7	1.0	-	65.9	50.3	15.6
05:50 AM - 05:55 AM	63.7	59.6	4.1	2.0	-	64.7	51.7	13.0
05:55 AM - 06:00 AM	62.4	59.5	2.9	3.0	-	62.4	53.5	8.9
06:00 AM - 07:00 AM	60.4	63.9	-3.5	7.0	53.4	-	58.2	-4.8
07:00 AM - 08:00 AM	58.6	63.6	-5.0	7.0	51.6	-	60.5	-8.7
08:00 AM - 09:00 AM	58.1	64.2	-6.1	7.0	51.1	-	58.6	-7.5
09:00 AM - 10:00 AM	60.6	62.2	-1.6	7.0	53.6	-	56.1	-2.5
10:00 AM - 11:00 AM	61.9	60.7	1.2	7.0	54.9	-	55.6	-0.7
11:00 AM - 12:00 PM	60.4	60.7	-0.3	7.0	53.4	-	54.8	-1.5
12:00 PM - 01:00 PM	54.7	60.5	-5.8	7.0	47.7	-	54.1	-6.4
01:00 PM - 02:00 PM	62.7	62.2	0.5	7.0	55.7	-	57.6	-1.9

- Reference Method :
- ISO 1996-1
 - ประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
- หมายเหตุ :
- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
 - ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานเสียงรบกวนที่เกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
- ระดับเสียงรบกวนเฉลี่ยค่าที่ตรวจวัดได้ วันที่ 24-25 ตุลาคม 2566
- ระดับเสียงรบกวนและระดับเสียงขณะไม่มีกิจกรรม (Sample No.2397467-3) วันที่ตรวจวัด 29-30 ตุลาคม 2566)

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpore, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-17
Parameter : เสียงรบกวน
Location : ตำบลบ้านใหม่คลองโคกกรวย (GPS 47P 0727204, 1433094)
Measurement Date : Aug 24 - 25, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 623391

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ค่าเฉลี่ย (dB(A))		ปรับค่าเสียงจากแหล่งกำเนิดตามเกณฑ์	เสียงที่รบกวน	ค่าระดับการรบกวน	
			ผลต่าง	ตัวปรับค่า				
12:40 AM - 12:45 AM	56.8	52.0	4.8	1.5	-	58.3	47.1	11.2
12:45 AM - 12:50 AM	55.4	52.5	2.9	3.0	-	55.4	47.5	7.9
12:50 AM - 12:55 AM	55.4	49.2	6.2	1.5	-	56.9	46.8	10.1
12:55 AM - 01:00 AM	57.2	48.1	9.1	0.5	-	59.7	46.7	13.0
01:00 AM - 01:05 AM	57.5	58.9	-1.4	7.0	-	46.8	46.7	0.1
01:05 AM - 01:10 AM	57.8	47.3	10.5	0.5	-	60.3	46.6	13.7
01:10 AM - 01:15 AM	57.2	48.6	8.6	0.5	-	59.7	46.7	13.0
01:15 AM - 01:20 AM	57.6	48.6	9.0	0.5	-	60.1	46.5	13.6
01:20 AM - 01:25 AM	60.1	51.2	8.9	0.5	-	63.6	46.2	16.4
01:25 AM - 01:30 AM	59.9	51.2	8.7	0.5	-	62.1	46.1	16.0
01:30 AM - 01:35 AM	57.7	50.2	7.5	0.5	-	60.2	46.2	14.0
01:35 AM - 01:40 AM	58.0	51.8	6.2	1.5	-	59.5	46.4	13.1
01:40 AM - 01:45 AM	58.8	52.6	6.2	1.5	-	60.3	46.7	13.6
01:45 AM - 01:50 AM	58.3	49.6	8.7	0.5	-	60.0	46.5	14.5
01:50 AM - 01:55 AM	57.2	48.7	8.5	0.5	-	59.7	46.3	13.4
01:55 AM - 02:00 AM	57.5	52.2	5.3	1.5	-	59.0	46.8	12.2
02:00 AM - 02:05 AM	57.3	51.2	6.1	1.5	-	58.8	46.7	12.1
02:05 AM - 02:10 AM	58.1	53.3	4.8	1.5	-	59.1	46.8	12.3
02:10 AM - 02:15 AM	58.0	49.1	8.9	0.5	-	60.5	46.6	13.9
02:15 AM - 02:20 AM	56.3	49.1	7.2	1.0	-	58.3	46.6	11.7
02:20 AM - 02:25 AM	56.3	48.5	7.8	0.5	-	58.8	46.4	12.4
02:25 AM - 02:30 AM	55.6	49.1	6.5	1.0	-	57.6	46.5	11.1
02:30 AM - 02:35 AM	57.4	51.0	6.4	1.5	-	59.8	46.8	12.1
02:35 AM - 02:40 AM	57.1	47.3	9.8	0.5	-	58.9	46.4	13.2
02:40 AM - 02:45 AM	56.5	47.4	9.1	0.5	-	59.0	46.5	12.5
02:45 AM - 02:50 AM	56.6	50.4	6.2	1.5	-	58.8	46.8	11.3
02:50 AM - 02:55 AM	57.3	48.6	8.7	0.5	-	59.8	46.7	13.1
02:55 AM - 03:00 AM	57.2	47.1	10.1	0.5	-	59.7	46.4	13.3
03:00 AM - 03:05 AM	57.1	47.0	10.1	0.5	-	59.6	46.2	13.4
03:05 AM - 03:10 AM	57.7	48.8	8.9	0.5	-	60.2	46.2	14.0
03:10 AM - 03:15 AM	58.4	47.3	11.1	0.5	-	61.5	46.1	14.4
03:15 AM - 03:20 AM	58.4	48.7	9.7	0.5	-	60.9	46.3	14.6
03:20 AM - 03:25 AM	58.1	49.5	8.6	0.5	-	60.6	46.5	14.1
03:25 AM - 03:30 AM	59.4	51.7	7.7	0.5	-	61.9	46.8	15.1
03:30 AM - 03:35 AM	60.8	49.2	11.6	0.5	-	64.2	46.2	17.1
03:35 AM - 03:40 AM	60.2	50.6	9.6	0.5	-	62.7	45.9	16.8
03:40 AM - 03:45 AM	61.5	51.2	10.3	0.5	-	64.0	46.4	17.6
03:45 AM - 03:50 AM	62.1	49.4	12.7	0.0	-	65.1	46.1	19.0
03:50 AM - 03:55 AM	62.1	48.9	13.2	0.0	-	66.1	46.1	19.0
03:55 AM - 04:00 AM	62.2	50.2	12.0	0.5	-	64.7	46.1	18.6

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpore, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-18
Parameter : เสียงรบกวน
Location : ตำบลบ้านใหม่คลองโคกกรวย (GPS 47P 0727204, 1433094)
Measurement Date : Aug 25 - 26, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 623391

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ค่าระดับเสียง (dB(A))		เสียงที่ปรากฏ	ค่าดัชนีการรบกวน			
			ผลต่างระดับเสียง	การปรับค่า					
							ค่าระดับเสียง	ค่าระดับเสียง	
02:00 PM - 03:00 PM	72.2	65.0	7.2	1.0	71.2	59.9	11.3		
03:00 PM - 04:00 PM	67.6	63.3	4.3	2.0	65.6	-	58.0	7.6	
04:00 PM - 05:00 PM	61.4	63.6	-2.2	7.0	54.4	-	58.2	-3.8	
05:00 PM - 06:00 PM	61.2	62.9	-1.7	7.0	54.2	-	58.5	-4.3	
06:00 PM - 07:00 PM	55.4	62.4	-7.0	7.0	48.4	-	57.0	-6.0	
07:00 PM - 08:00 PM	58.6	62.6	-4.0	7.0	51.6	-	57.6	-0.6	
08:00 PM - 09:00 PM	62.2	60.7	1.5	4.5	57.7	-	55.7	2.0	
09:00 PM - 10:00 PM	58.7	56.1	2.6	3.0	55.7	-	50.1	5.6	
10:00 PM - 10:05 PM	57.2	52.1	5.1	1.5	-	58.7	49.3	8.3	
10:05 PM - 10:10 PM	56.9	54.0	2.9	3.0	-	56.9	50.7	6.2	
10:10 PM - 10:15 PM	57.6	54.3	3.3	3.0	-	57.6	51.0	6.6	
10:15 PM - 10:20 PM	56.8	53.9	2.9	1.5	4.5	-	53.3	51.0	4.3
10:20 PM - 10:25 PM	57.1	55.7	1.4	7.0	-	-	53.1	51.1	6.0
10:25 PM - 10:30 PM	57.5	57.5	0.0	7.0	-	-	53.5	52.2	1.3
10:30 PM - 10:35 PM	59.7	57.0	2.7	3.0	-	-	59.7	50.6	9.1
10:35 PM - 10:40 PM	58.8	57.1	1.7	4.5	-	-	57.3	49.1	8.2
10:40 PM - 10:45 PM	59.2	54.8	4.4	2.0	-	-	60.2	49.1	11.1
10:45 PM - 10:50 PM	59.4	54.8	4.6	1.5	-	-	60.9	49.9	12.5
10:50 PM - 10:55 PM	59.9	54.9	5.0	1.5	-	-	61.4	49.4	12.0
10:55 PM - 11:00 PM	61.1	55.0	6.1	1.5	-	-	62.6	50.5	12.1
11:00 PM - 11:05 PM	59.9	54.4	5.5	1.5	-	-	61.4	51.0	10.4
11:05 PM - 11:10 PM	59.9	55.7	4.2	2.0	-	-	61.9	52.1	8.8
11:10 PM - 11:15 PM	59.8	53.5	6.3	1.5	-	-	61.3	49.6	11.7
11:15 PM - 11:20 PM	59.9	56.2	3.7	2.0	-	-	60.9	49.2	11.7
11:20 PM - 11:25 PM	58.8	52.2	6.6	1.0	-	-	60.8	49.3	11.5
11:25 PM - 11:30 PM	59.0	57.3	1.7	4.5	-	-	57.5	49.6	7.9
11:30 PM - 11:35 PM	59.4	56.0	3.4	2.0	-	-	59.9	49.9	9.5
11:35 PM - 11:40 PM	59.8	52.7	7.1	1.0	-	-	61.8	49.2	12.6
11:40 PM - 11:45 PM	60.1	52.6	7.5	0.5	-	-	62.6	48.3	14.3
11:45 PM - 11:50 PM	59.7	49.4	9.3	0.3	-	-	61.2	46.9	14.3
11:50 PM - 11:55 PM	57.7	49.9	7.8	0.5	-	-	57.7	46.9	10.8
11:55 PM - 12:00 AM	56.8	52.4	4.4	2.0	-	-	57.8	46.9	10.9
12:00 AM - 12:05 AM	57.7	52.6	5.1	1.5	-	-	59.2	47.1	12.1
12:05 AM - 12:10 AM	56.4	54.6	1.8	4.5	-	-	54.9	46.8	8.1
12:10 AM - 12:15 AM	56.2	53.7	2.5	1.5	-	-	57.7	47.1	10.6
12:15 AM - 12:20 AM	55.9	49.9	6.0	1.5	-	-	57.4	47.1	10.3
12:20 AM - 12:25 AM	55.8	53.9	1.9	4.5	-	-	54.3	48.3	6.0
12:25 AM - 12:30 AM	55.1	50.8	4.3	2.0	-	-	56.1	47.6	8.5
12:30 AM - 12:35 AM	55.9	53.1	2.8	3.0	-	-	55.9	47.4	8.5
12:35 AM - 12:40 AM	55.9	53.9	2.0	2.0	-	-	56.9	48.6	11.0



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabanyaporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. 2397466-18
Parameter เลื่อนรถขน
Location ตำแหน่งขบวนรถโดยสาร (GPS 47P 0727204, 1433094)
Measurement Date Aug 25 - 26, 2023
Measurement by Sawai Tonpho
Sound Level Meter 623391

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขนถ่าย	ระดับเสียง (dB(A))		ปรับตามเสียงจากแหล่งกำเนิด	เสียงที่ปรับแล้ว	ค่าประเมินการขนถ่าย	
			ผลต่างระดับเสียง	ค่าปรับค่า				
12:40 AM - 12:45 AM	55.7	52.0	3.7	2.0	-	56.7	9.1	9.6
12:45 AM - 12:50 AM	55.9	52.5	3.4	3.0	-	55.9	47.5	8.4
12:50 AM - 12:55 AM	57.2	49.2	8.0	0.5	-	59.7	46.8	12.9
12:55 AM - 01:00 AM	57.8	48.1	9.7	0.5	-	60.3	46.7	13.6
01:00 AM - 01:05 AM	58.5	58.9	-2.4	7.0	-	56.3	46.8	5.7
01:05 AM - 01:10 AM	56.1	47.3	8.8	0.5	-	58.6	46.6	12.0
01:10 AM - 01:15 AM	56.6	48.6	8.0	0.5	-	57.7	46.7	12.4
01:15 AM - 01:20 AM	56.1	48.6	7.5	0.5	-	58.6	46.5	12.1
01:20 AM - 01:25 AM	56.8	51.2	5.6	1.5	-	56.8	46.2	12.1
01:25 AM - 01:30 AM	56.9	51.2	5.7	1.5	-	58.4	46.1	12.3
01:30 AM - 01:35 AM	57.5	50.2	7.3	1.0	-	59.5	46.2	13.3
01:35 AM - 01:40 AM	56.8	51.8	5.0	1.5	-	58.3	46.4	11.9
01:40 AM - 01:45 AM	57.4	52.6	4.8	1.5	-	58.9	46.7	12.2
01:45 AM - 01:50 AM	57.7	49.6	8.1	0.5	-	60.2	46.3	12.7
01:50 AM - 01:55 AM	56.6	48.7	7.9	0.5	-	59.1	46.3	12.8
01:55 AM - 02:00 AM	56.4	52.2	4.2	2.0	-	57.4	46.8	10.6
02:00 AM - 02:05 AM	57.0	51.2	5.8	1.5	-	58.9	46.7	11.8
02:05 AM - 02:10 AM	57.6	53.3	4.3	2.0	-	60.9	46.6	13.6
02:10 AM - 02:15 AM	58.4	49.1	9.3	0.5	-	60.9	46.6	14.3
02:15 AM - 02:20 AM	58.5	49.1	9.4	0.5	-	61.0	46.6	14.4
02:20 AM - 02:25 AM	57.4	48.5	8.9	0.5	-	59.9	46.4	13.5
02:25 AM - 02:30 AM	58.5	49.1	9.4	0.5	-	61.0	46.5	14.5
02:30 AM - 02:35 AM	57.6	51.0	6.6	1.0	-	59.6	46.8	12.8
02:35 AM - 02:40 AM	58.4	47.3	11.1	0.5	-	60.9	46.4	14.5
02:40 AM - 02:45 AM	57.9	47.4	10.5	0.5	-	60.4	46.5	13.9
02:45 AM - 02:50 AM	58.8	50.4	8.4	0.5	-	61.3	46.7	14.5
02:50 AM - 02:55 AM	58.6	48.6	10.0	0.5	-	61.1	46.4	14.4
02:55 AM - 03:00 AM	58.0	47.1	10.9	0.5	-	60.5	46.4	14.1
03:00 AM - 03:05 AM	57.9	47.0	10.9	0.5	-	60.4	46.2	14.2
03:05 AM - 03:10 AM	58.2	48.8	9.4	0.5	-	60.7	46.2	14.3
03:10 AM - 03:15 AM	58.5	47.3	11.2	0.5	-	61.0	46.1	14.9
03:15 AM - 03:20 AM	58.5	47.0	11.5	0.5	-	61.0	46.3	14.7
03:20 AM - 03:25 AM	58.9	49.5	9.4	0.5	-	61.4	46.5	14.9
03:25 AM - 03:30 AM	59.9	51.7	8.2	0.5	-	62.4	46.8	15.6
03:30 AM - 03:35 AM	58.3	49.2	9.1	0.5	-	60.8	46.2	14.6
03:35 AM - 03:40 AM	58.5	50.6	7.9	0.5	-	61.0	45.9	15.1
03:40 AM - 03:45 AM	57.6	51.2	6.4	1.5	-	59.1	46.4	12.7
03:45 AM - 03:50 AM	59.4	49.4	10.0	0.5	-	61.9	46.1	15.8
03:50 AM - 03:55 AM	57.6	48.9	8.7	0.5	-	60.1	46.2	14.2
03:55 AM - 04:00 AM	57.8	50.2	7.6	0.5	-	60.3	46.1	14.2

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabanyaporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. 2397466-19
Parameter เลื่อนรถขน
Location ตำแหน่งขบวนรถโดยสาร (GPS 47P 0727204, 1433094)
Measurement Date Aug 26 - 27, 2023
Measurement by Sawai Tonpho
Sound Level Meter 623391

เวลา	ระดับเสียง (dB(A))					เสียงที่ถูกรับ ค่าปรับ	ค่าประเมินการขนถ่าย	
	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขนถ่าย	ผลต่างระดับเสียง	ค่าปรับค่า	ปรับตามเสียงจากแหล่งกำเนิด			
02:00 PM - 03:00 PM	54.1	65.0	-10.9	7.0	47.1	-	59.9	-10.4
03:00 PM - 04:00 PM	54.6	63.3	-8.7	7.0	47.6	-	58.0	-12.8
04:00 PM - 05:00 PM	53.5	63.6	-10.1	7.0	46.5	-	58.2	-11.7
05:00 PM - 06:00 PM	53.2	62.9	-9.7	7.0	46.2	-	58.5	-12.3
06:00 PM - 07:00 PM	54.1	62.4	-8.3	7.0	47.1	-	57.9	-10.8
07:00 PM - 08:00 PM	59.1	62.6	-3.5	7.0	52.1	-	57.6	-10.5
08:00 PM - 09:00 PM	59.7	60.7	-1.0	7.0	52.7	-	55.7	-3.0
09:00 PM - 10:00 PM	57.6	56.1	1.5	4.5	53.1	-	50.1	3.0
10:00 PM - 10:05 PM	57.4	52.1	5.3	1.5	-	58.9	49.9	9.0
10:05 PM - 10:10 PM	57.4	54.0	3.4	3.0	-	57.4	50.0	7.4
10:10 PM - 10:15 PM	57.0	54.3	2.7	3.0	-	57.0	51.0	6.0
10:15 PM - 10:20 PM	57.5	53.9	3.6	4.5	-	56.0	51.0	5.0
10:20 PM - 10:25 PM	57.0	55.7	1.3	7.0	-	53.0	52.2	0.8
10:25 PM - 10:30 PM	57.0	57.5	-0.5	7.0	-	53.0	52.2	0.8
10:30 PM - 10:35 PM	56.5	57.0	-0.5	7.0	-	52.5	50.6	1.9
10:35 PM - 10:40 PM	56.4	57.1	-0.7	7.0	-	52.4	49.1	3.3
10:40 PM - 10:45 PM	56.7	54.8	1.9	4.5	-	55.2	49.1	6.1
10:45 PM - 10:50 PM	56.7	54.8	1.9	4.5	-	55.2	48.4	6.8
10:50 PM - 10:55 PM	56.7	54.9	1.8	4.5	-	55.2	48.5	6.7
10:55 PM - 11:00 PM	56.5	55.0	1.5	4.5	-	55.0	50.5	4.5
11:00 PM - 11:05 PM	57.0	54.4	2.6	3.0	-	57.0	51.0	6.0
11:05 PM - 11:10 PM	55.6	55.7	-0.1	7.0	-	51.6	52.1	-0.5
11:10 PM - 11:15 PM	59.1	53.5	5.6	1.5	-	60.6	46.6	14.0
11:15 PM - 11:20 PM	54.7	56.2	-1.5	7.0	-	50.7	49.2	1.5
11:20 PM - 11:25 PM	55.0	52.2	2.8	3.0	-	55.6	49.3	6.3
11:25 PM - 11:30 PM	57.6	57.3	0.3	7.0	-	53.5	49.6	4.0
11:30 PM - 11:35 PM	58.7	56.0	2.7	3.0	-	58.7	49.2	9.5
11:35 PM - 11:40 PM	58.2	52.7	5.5	1.5	-	59.7	49.2	10.5
11:40 PM - 11:45 PM	58.7	52.6	6.1	1.5	-	60.2	48.3	11.9
11:45 PM - 11:50 PM	58.5	49.4	9.1	0.5	-	61.0	46.9	14.1
11:50 PM - 11:55 PM	58.8	47.8	11.0	0.5	-	61.3	46.5	14.6
11:55 PM - 12:00 AM	58.2	52.4	5.8	1.5	-	59.7	46.9	12.8
12:00 AM - 12:05 AM	58.5	52.6	5.9	1.5	-	60.0	47.1	12.9
12:05 AM - 12:10 AM	58.8	54.6	4.2	2.0	-	59.8	46.8	13.0
12:10 AM - 12:15 AM	57.0	50.5	6.5	1.0	-	59.0	47.1	11.9
12:15 AM - 12:20 AM	58.2	49.9	8.3	0.5	-	60.7	47.1	13.6
12:20 AM - 12:25 AM	53.4	53.9	-0.5	7.0	-	49.4	48.3	1.1
12:25 AM - 12:30 AM	54.5	50.8	3.7	2.0	-	55.5	47.6	7.9
12:30 AM - 12:35 AM	57.6	53.1	4.5	1.5	-	59.1	47.4	11.7
12:35 AM - 12:40 AM	57.9	50.5	7.4	1.0	-	59.9	47.4	12.5

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabanyaporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. 2397466-18
Parameter เลื่อนรถขน
Location ตำแหน่งขบวนรถโดยสาร (GPS 47P 0727204, 1433094)
Measurement Date Aug 25 - 26, 2023
Measurement by Sawai Tonpho
Sound Level Meter 623391

เวลา	จุดสนใจเสียง (dB(A))					เสียงรบกวน	ค่าประเมินการก่อกวน	
	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขนถ่าย	ผลต่าง	ค่าปรับค่า	ปรับตามเสียงจากแหล่งกำเนิด			
					การก่อกวน			การก่อกวน
04:00 AM - 04:05 AM	57.9	52.3	5.6	1.5	-	59.4	46.1	13.3
04:05 AM - 04:10 AM	57.2	49.5	7.7	0.5	-	59.7	46.6	13.1
04:10 AM - 04:15 AM	55.8	52.3	3.5	2.0	-	56.8	46.3	10.5
04:15 AM - 04:20 AM	56.6	61.0	-4.4	7.0	-	52.6	47.0	5.6
04:20 AM - 04:25 AM	56.2	53.3	2.9	3.0	-	56.2	46.3	9.9
04:25 AM - 04:30 AM	55.9	53.7	2.2	4.5	-	54.4	46.1	7.3
04:30 AM - 04:35 AM	55.6	51.0	4.6	1.5	-	57.1	46.1	11.0
04:35 AM - 04:40 AM	56.0	54.3	1.7	4.5	-	54.5	46.7	7.8
04:40 AM - 04:45 AM	55.0	54.5	0.5	7.0	-	51.0	46.7	4.3
04:45 AM - 04:50 AM	55.1	56.5	-1.4	7.0	-	51.1	47.6	3.3
04:50 AM - 04:55 AM	55.5	55.8	-0.3	7.0	-	51.5	47.6	3.9
04:55 AM - 05:00 AM	54.9	57.8	-2.9	7.0	-	50.9	48.8	2.1
05:00 AM - 05:05 AM	55.5	58.8	-3.3	7.0	-	51.5	48.6	2.9
05:05 AM - 05:10 AM	55.9	54.6	1.3	7.0	-	51.9	48.7	3.2
05:10 AM - 05:15 AM	56.4	56.1	0.3	7.0	-	52.4	48.7	3.7
05:15 AM - 05:20 AM	56.0	57.0	-1.0	7.0	-	52.0	50.1	1.9
05:20 AM - 05:25 AM	55.5	57.0	-1.6	7.0	-	51.7	48.7	2.8
05:25 AM - 05:30 AM	55.9	57.0	-1.1	7.0	-	51.9	49.7	2.2
05:30 AM - 05:35 AM	55.0	58.2	-3.2	7.0	-	51.0	49.2	1.8
05:35 AM - 05:40 AM	56.0	57.9	-1.9	7.0	-	52.0	50.4	1.6
05:40 AM - 05:45 AM	56.0	58.5	-2.5	7.0	-	52.3	48.3	2.7
05:45 AM - 05:50 AM	55.9	57.2	-1.3	7.0	-	51.9	50.3	1.6
05:50 AM - 05:55 AM	55.3	59.6	-4.3	7.0	-	51.3	51.7	-0.4
05:55 AM - 06:00 AM	54.9	59.5	-4.6	7.0	-	50.9	53.5	-2.6
06:00 AM - 07:00 AM	54.8	63.9	-9.1	7.0	47.8	50.2	50.2	-10.4
07:00 AM - 08:00 AM	57.9	65.6	-7.7	7.0	50.9	50.3	50.3	-9.4
08:00 AM - 09:00 AM	56.2	64.2	-8.0	7.0	49.2	49.2	58.6	-9.4
09:00 AM - 10:00 AM	54.9	62.2	-7.3	7.0	47.9	47.9	56.1	-8.2
10:00 AM - 11:00 AM	54.5	60.7	-6.2	7.0	47.5	47.5	54.6	-8.1
11:00 AM - 12:00 PM	53.7	60.7	-7.0	7.0	46.7	46.7	54.9	-8.2
12:00 PM - 01:00 PM	52.8	60.5	-7.7	7.0	45.8	45.8	54.1	-8.3
01:00 PM - 02:00 PM	54.8	62.2	-7.4	7.0	47.8	47.8	57.6	-8.8

ค่าปรับตาม

Reference Method :

- ISO 1996-1
 - ประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
- มาตรฐาน
- ประกาศกระทรวงอุตสาหกรรม เรื่อง ค่ามาตรฐานระดับเสียงรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
 - ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดมาตรฐานเพื่อป้องกันและลดผลกระทบจากเสียงรบกวนที่เป็นการประกอบกิจการ พ.ศ. 2561
- ระดับเสียงจากแหล่งกำเนิด ค่าการตรวจวัด วันที่ 25-26 สิงหาคม 2566
- ระดับเสียงที่ตรวจวัดและระดับเสียงรบกวนไม่มีการขนถ่าย (Sample No.2397467-3 วันที่ตรวจวัด 29-30 ตุลาคม 2566)

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabanyaporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. 2397466-19
Parameter เลื่อนรถขน
Location ตำแหน่งขบวนรถโดยสาร (GPS 47P 0727204, 1433094)
Measurement Date Aug 26 - 27, 2023
Measurement by Sawai Tonpho
Sound Level Meter 623391

เวลา	ระดับเสียง (dB(A))					เสียงพื้นฐาน	การประเมิน	
	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขนถ่าย	ผลต่างระดับเสียง	ค่าปรับค่า	ปรับตามเสียงจากแหล่งกำเนิด			
					ค่าปรับค่า			ค่าปรับค่า
12:40 AM - 12:45 AM	57.9	52.0	5.9	1.5	-	59.4	47.1	12.3
12:45 AM - 12:50 AM	58.5	52.5	6.0	1.5	-	60.0	47.5	12.5
12:50 AM - 12:55 AM	58.7	49.2	9.5	0.5	-	61.2	46.8	14.4
12:55 AM - 01:00 AM	58.4	48.1	10.3	0.5	-	60.9	46.7	14.2
01:00 AM - 01:05 AM	58.2	58.9	-1.3	7.0	-	56.2	46.8	9.4
01:05 AM - 01:10 AM	58.6	47.3	11.3	0.5	-	60.7	46.6	15.6
01:10 AM - 01:15 AM	58.1	48.6	9.5	0.5	-	60.6	46.7	13.9
01:15 AM - 01:20 AM	57.0	48.6	8.4	0.5	-	59.5	46.5	13.0
01:20 AM - 01:25 AM	57.9	51.2	6.7	1.0	-	59.9	46.2	13.7
01:25 AM - 01:30 AM	57.4	51.2	6.2	1.5	-	58.3	46.1	12.8
01:30 AM - 01:35 AM	59.3	50.2	9.1	0.5	-	61.8	46.2	15.6
01:35 AM - 01:40 AM	58.8	51.8	7.0	1.0	-	60.8	46.4	14.4
01:40 AM - 01:45 AM	58.4	52.6	5.8	1.5	-	59.9	46.7	13.2
01:45 AM - 01:50 AM	59.6	49.6	10.0	0.5	-	62.1	46.5	15.6
01:50 AM - 01:55 AM	59.4	48.5	10.9	0.5	-	61.4	46.5	14.9
01:55 AM - 02:00 AM	59.4	52.2	7.2	1.0	-	62.4	46.8	14.6
02:00 AM - 02:05 AM	59.2	51.2	8.0	0.5	-	61.7	46.7	15.0
02:05 AM - 02:10 AM	58.9	53.3	5.6	1.5	-	60.4	46.8	13.6
02:10 AM - 02:15 AM	58.9	49.1	9.8	0.5	-	61.4	46.6	14.6
02:15 AM - 02:20 AM	58.4	49.1	9.3	0.5	-	60.9	46.6	14.3
02:20 AM - 02:25 AM	59.7	48.5	11.2	0.5	-	62.2	46.4	15.8
02:25 AM - 02:30 AM	60.2	49.1	11.1	0.5	-	62.7	46.5	16.2
02:30 AM - 02:35 AM	60.0	51.0	9.0	0.5	-	61.8	46.8	15.7
02:35 AM - 02:40 AM	59.2	47.3	11.7	0.5	-	61.5	46.4	15.1
02:40 AM - 02:45 AM	59.2	47.4	11.8	0.5	-	61.7	46.5	15.2
02:45 AM - 02:50 AM	59.9	50.4	9.5	0.5	-	62.4	46.8	15.6
02:50 AM - 02:55 AM	57.3	48.5	8.8	0.5	-	59.8	46.7	13.1
02:55 AM - 03:00 AM	55.5	47.1	8.4	0.5	-	58.0	46.4	11.6
03:00 AM - 03:05 AM	54.4	47.0	7.4	1.0	-	56.4	46.2	10.2
03:05 AM - 03:10 AM	54.5	48.8	5.7	1.5	-	56.0	46.2	9.8
03:10 AM - 03:15 AM	54.7	47.3	7.4	1.0	-	56.7	46.1	10.6
03:15 AM - 03:20 AM	55.5	47.0	8.5	0.5	-	58.0	46.3	11.7
03:20 AM - 03:25 AM	58.7	49.5	9.2	0.5	-	61.2	46.5	14.7
03:25 AM - 03:30 AM	59.0	51.7	7.3	1.0	-	61.0	46.8	14.2
03:30 AM - 03:35 AM	58.6	49.2	9.5	0.5	-	61.2	46.2	15.0
03:35 AM - 03:40 AM	59.3	50.0	9.3	0.5	-	61.8	45.9	15.9
03:40 AM - 03:45 AM	59.7	51.2	8.4	0.5	-	62.1	46.4	15.7
03:45 AM - 03:50 AM	59.2	49.4	9.8	0.5	-	61.7	46.1	15.6
03:50 AM - 03:55 AM	60.0	48.9	11.1	0.5	-	62.5	46.1	16.4
03:55 AM - 04:00 AM	59.1	50.5	8.6	0.5	-	61.1	46.2	14.9



Analysis / Test Report

Client : UACI (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpore, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-19
Parameter : เสียงรบกวน
Location : ตำบลบ้านนาของโครงการ (GPS 47P 0727204, 1433094)
Measurement Date : Aug 26 - 27, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 623391

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนไม่มีการรบกวน	ระดับเสียง (dB(A))		ค่าเฉลี่ย
			ค่าเฉลี่ย	ค่าเฉลี่ย	
04:00 AM - 04:05 AM	57.5	52.3	5.2	1.5	-
04:05 AM - 04:10 AM	58.6	49.5	9.1	0.5	-
04:10 AM - 04:15 AM	58.0	52.3	5.7	1.5	-
04:15 AM - 04:20 AM	57.4	61.0	-3.6	7.0	-
04:20 AM - 04:25 AM	56.5	53.3	3.2	3.0	-
04:25 AM - 04:30 AM	56.9	53.7	3.2	3.0	-
04:30 AM - 04:35 AM	59.0	51.0	8.0	0.5	-
04:35 AM - 04:40 AM	58.9	54.3	4.6	1.5	-
04:40 AM - 04:45 AM	58.3	54.5	3.8	2.0	-
04:45 AM - 04:50 AM	57.9	56.5	1.4	7.0	-
04:50 AM - 04:55 AM	59.0	55.8	3.2	3.0	-
04:55 AM - 05:00 AM	58.6	57.8	0.8	7.0	-
05:00 AM - 05:05 AM	58.4	58.8	-0.4	7.0	-
05:05 AM - 05:10 AM	58.2	54.6	3.6	2.0	-
05:10 AM - 05:15 AM	58.9	56.1	2.8	3.0	-
05:15 AM - 05:20 AM	58.3	57.0	1.3	7.0	-
05:20 AM - 05:25 AM	60.6	57.1	3.5	2.0	-
05:25 AM - 05:30 AM	56.6	57.0	-0.4	7.0	-
05:30 AM - 05:35 AM	56.9	58.2	-1.3	7.0	-
05:35 AM - 05:40 AM	56.9	57.9	-1.0	7.0	-
05:40 AM - 05:45 AM	57.7	58.5	-0.8	7.0	-
05:45 AM - 05:50 AM	57.1	57.2	-0.1	7.0	-
05:50 AM - 05:55 AM	57.1	59.6	-2.5	7.0	-
05:55 AM - 06:00 AM	58.6	59.5	-0.9	7.0	-
06:00 AM - 07:00 AM	58.6	63.9	-5.3	7.0	51.6
07:00 AM - 08:00 AM	57.1	65.6	-8.5	7.0	50.1
08:00 AM - 09:00 AM	56.2	64.2	-8.0	7.0	49.2
09:00 AM - 10:00 AM	55.4	62.2	-6.8	7.0	48.4
10:00 AM - 11:00 AM	55.1	60.7	-5.6	7.0	48.1
11:00 AM - 12:00 PM	55.4	60.7	-5.3	7.0	48.4
12:00 PM - 01:00 PM	56.1	60.5	-4.4	7.0	49.1
01:00 PM - 02:00 PM	56.7	62.2	-5.5	7.0	49.7

Reference Method :
1. ISO 1996-1
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากประเภทกิจการโรงงาน พ.ศ. 2553

หมายเหตุ :
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงรบกวนและระดับเสียงที่เกิดจากประเภทกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่ามาตรฐานเสียงรบกวนที่เกิดจากประเภทกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
ระดับเสียงจากแหล่งกำเนิด พิจารณาตรวจวัด วันที่ 26-27 ตุลาคม 2566
ระดับเสียงที่ฐานและระดับเสียงรบกวนไม่มีการรบกวน (Sample No.2397467-3) พิจารณาตรวจวัด วันที่ 29-30 ตุลาคม 2566

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Approved by

Wilawan Borirak
Manager

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company



Analysis / Test Report

Client : UACI (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpore, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-20
Parameter : เสียงรบกวน
Location : ตำบลบ้านนาของโครงการ (GPS 47P 0727204, 1433094)
Measurement Date : Aug 27 - 28, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 623391

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนไม่มีการรบกวน	ระดับเสียง (dB(A))		ค่าเฉลี่ย
			ค่าเฉลี่ย	ค่าเฉลี่ย	
12:40 AM - 12:45 AM	55.7	52.0	3.7	2.0	-
12:45 AM - 12:50 AM	55.9	52.5	3.4	3.0	-
12:50 AM - 12:55 AM	55.9	49.2	6.7	1.0	-
12:55 AM - 01:00 AM	56.3	48.1	8.2	0.5	-
01:00 AM - 01:05 AM	56.4	58.9	-2.5	7.0	-
01:05 AM - 01:10 AM	57.0	47.3	9.7	0.5	-
01:10 AM - 01:15 AM	56.2	48.6	7.6	0.5	-
01:15 AM - 01:20 AM	56.2	48.6	7.6	0.5	-
01:20 AM - 01:25 AM	55.5	51.2	4.3	2.0	-
01:25 AM - 01:30 AM	56.1	51.2	4.9	1.5	-
01:30 AM - 01:35 AM	58.2	50.2	8.0	0.5	-
01:35 AM - 01:40 AM	59.8	51.8	8.0	0.5	-
01:40 AM - 01:45 AM	60.2	52.6	7.6	0.5	-
01:45 AM - 01:50 AM	55.6	49.6	6.0	1.5	-
01:50 AM - 01:55 AM	55.2	48.7	6.5	1.0	-
01:55 AM - 02:00 AM	55.6	52.2	3.4	3.0	-
02:00 AM - 02:05 AM	57.2	51.2	6.0	1.5	-
02:05 AM - 02:10 AM	57.7	53.3	4.4	2.0	-
02:10 AM - 02:15 AM	59.5	49.1	10.4	0.5	-
02:15 AM - 02:20 AM	59.8	49.1	10.7	0.5	-
02:20 AM - 02:25 AM	59.2	48.5	10.7	0.5	-
02:25 AM - 02:30 AM	59.3	49.1	10.2	0.5	-
02:30 AM - 02:35 AM	59.4	51.0	8.4	0.5	-
02:35 AM - 02:40 AM	57.9	47.3	10.6	0.5	-
02:40 AM - 02:45 AM	55.2	52.4	2.8	0.5	-
02:45 AM - 02:50 AM	56.2	50.4	5.8	1.5	-
02:50 AM - 02:55 AM	55.7	48.6	7.1	1.0	-
02:55 AM - 03:00 AM	56.1	47.1	9.0	0.5	-
03:00 AM - 03:05 AM	55.9	47.0	8.9	0.5	-
03:05 AM - 03:10 AM	55.9	48.8	7.1	1.0	-
03:10 AM - 03:15 AM	56.1	47.3	8.8	0.5	-
03:15 AM - 03:20 AM	56.4	47.0	9.4	0.5	-
03:20 AM - 03:25 AM	56.3	49.5	6.8	1.0	-
03:25 AM - 03:30 AM	56.0	51.7	4.3	2.0	-
03:30 AM - 03:35 AM	57.2	49.2	8.0	0.5	-
03:35 AM - 03:40 AM	59.6	51.2	8.4	0.5	-
03:40 AM - 03:45 AM	59.3	51.2	8.1	0.5	-
03:45 AM - 03:50 AM	58.9	49.4	10.4	0.5	-
03:50 AM - 03:55 AM	58.9	48.9	10.0	0.5	-
03:55 AM - 04:00 AM	58.8	50.2	8.6	0.5	-

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company



Analysis / Test Report

Client : UACI (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpore, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-20
Parameter : เสียงรบกวน
Location : ตำบลบ้านนาของโครงการ (GPS 47P 0727204, 1433094)
Measurement Date : Aug 27 - 28, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 623391

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนไม่มีการรบกวน	ระดับเสียง (dB(A))		ค่าเฉลี่ย
			ค่าเฉลี่ย	ค่าเฉลี่ย	
02:00 PM - 03:00 PM	54.3	65.0	-10.7	7.0	47.3
03:00 PM - 04:00 PM	57.0	63.3	-6.3	7.0	50.0
04:00 PM - 05:00 PM	57.0	63.6	-6.6	7.0	50.0
05:00 PM - 06:00 PM	55.6	62.9	-7.3	7.0	48.6
06:00 PM - 07:00 PM	58.5	62.4	-3.9	7.0	51.5
07:00 PM - 08:00 PM	58.0	62.6	-4.6	7.0	51.0
08:00 PM - 09:00 PM	59.4	60.7	-1.3	7.0	52.4
09:00 PM - 10:00 PM	58.3	56.1	2.2	4.5	53.8
10:00 PM - 10:05 PM	58.6	52.1	6.5	1.0	-
10:05 PM - 10:10 PM	58.4	54.0	4.4	2.0	-
10:10 PM - 10:15 PM	56.3	54.3	2.0	4.5	-
10:15 PM - 10:20 PM	57.0	55.3	1.7	4.5	-
10:20 PM - 10:25 PM	56.8	55.7	1.1	7.0	-
10:25 PM - 10:30 PM	59.8	57.5	2.3	4.5	-
10:30 PM - 10:35 PM	59.2	57.0	2.2	4.5	-
10:35 PM - 10:40 PM	59.4	57.1	2.3	4.5	-
10:40 PM - 10:45 PM	59.3	54.8	4.5	1.5	-
10:45 PM - 10:50 PM	56.6	54.8	1.8	4.5	-
10:50 PM - 10:55 PM	56.2	54.9	1.3	7.0	-
10:55 PM - 11:00 PM	56.1	55.0	1.1	7.0	-
11:00 PM - 11:05 PM	56.2	54.4	1.8	4.5	-
11:05 PM - 11:10 PM	56.2	55.7	0.5	7.0	-
11:10 PM - 11:15 PM	56.4	55.5	0.9	3.0	-
11:15 PM - 11:20 PM	56.2	56.2	0.0	7.0	-
11:20 PM - 11:25 PM	56.4	52.2	4.2	2.0	-
11:25 PM - 11:30 PM	58.5	57.3	1.2	7.0	-
11:30 PM - 11:35 PM	60.0	56.0	4.0	2.0	-
11:35 PM - 11:40 PM	55.5	52.7	2.8	3.0	-
11:40 PM - 11:45 PM	55.4	52.6	2.8	3.0	-
11:45 PM - 11:50 PM	55.3	49.4	5.9	1.5	-
11:50 PM - 11:55 PM	56.0	47.8	8.2	0.5	-
11:55 PM - 12:00 AM	55.6	52.4	3.2	3.0	-
12:00 AM - 12:05 AM	55.5	52.6	2.9	3.0	-
12:05 AM - 12:10 AM	55.6	54.6	1.0	7.0	-
12:10 AM - 12:15 AM	55.8	50.5	5.3	1.5	-
12:15 AM - 12:20 AM	55.9	49.9	6.0	1.5	-
12:20 AM - 12:25 AM	55.8	53.9	1.9	4.5	-
12:25 AM - 12:30 AM	55.5	50.8	4.7	1.5	-
12:30 AM - 12:35 AM	55.7	53.1	2.6	3.0	-
12:35 AM - 12:40 AM	55.6	50.5	5.1	1.5	-

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Wilawan Borirak
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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company



Analysis / Test Report

Client : UACI (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpore, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-20
Parameter : เสียงรบกวน
Location : ตำบลบ้านนาของโครงการ (GPS 47P 0727204, 1433094)
Measurement Date : Aug 27 - 28, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 623391

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนไม่มีการรบกวน	ระดับเสียง (dB(A))		ค่าเฉลี่ย
			ค่าเฉลี่ย	ค่าเฉลี่ย	
04:00 AM - 04:05 AM	59.0	52.3	6.7	1.0	-
04:05 AM - 04:10 AM	58.8	49.5	9.3	0.5	-
04:10 AM - 04:15 AM	59.1	52.3	6.8	1.0	-
04:15 AM - 04:20 AM	58.5	61.0	-2.5	7.0	-
04:20 AM - 04:25 AM	56.4	53.3	3.1	3.0	-
04:25 AM - 04:30 AM	58.7	53.7	5.0	1.5	-
04:30 AM - 04:35 AM	58.4	51.0	7.4	1.0	-
04:35 AM - 04:40 AM	58.0	54.3	3.7	2.0	-
04:40 AM - 04:45 AM	58.2	54.5	3.7	2.0	-
04:45 AM - 04:50 AM	57.7	56.5	1.2	7.0	-
04:50 AM - 04:55 AM	58.2	55.8	2.4	4.5	-
04:55 AM - 05:00 AM	58.2	57.8	0.4	7.0	-
05:00 AM - 05:05 AM	56.5	58.8	-2.3	7.0	-
05:05 AM - 05:10 AM	55.0	54.6	0.4	7.0	-
05:10 AM - 05:15 AM	54.4	56.1	-1.7	7.0	-
05:15 AM - 05:20 AM	54.7	57.0	-2.3	7.0	-
05:20 AM - 05:25 AM	54.4	57.1	-2.7	7.0	-
05:25 AM - 05:30 AM	54.1	57.0	-2.9	7.0	-
05:30 AM - 05:35 AM	55.2	58.2	-3.0	7.0	-
05:35 AM - 05:40 AM	55.8	57.9	-2.1	7.0	-
05:40 AM - 05:45 AM	54.5	58.5	-3.1	7.0	-
05:45 AM - 05:50 AM	55.0	57.2	-2.2	7.0	-
05:50 AM - 05:55 AM	55.6	59.6	-4.0	7.0	-
05:55 AM - 06:00 AM	55.4	59.5	-4.1	7.0	-
06:00 AM - 07:00 AM	57.6	63.9	-6.3	7.0	50.6
07:00 AM - 08:00 AM	56.2	62.6	-6.4	7.0	49.2
08:00 AM - 09:00 AM	59.1	64.2	-5.1	7.0	52.1
09:00 AM - 10:00 AM	53.9	62.2	-8.3	7.0	46.9
10:00 AM - 11:00 AM	58.9	60.7	-1.8	7.0	51.9
11:00 AM - 12:00 PM	54.5	60.7	-6.2	7.0	47.5
12:00 PM - 01:00 PM	53.2	60.5	-7.3	7.0	46.2
01:00 PM - 02:00 PM	60.5	62.2	-1.7	7.0	53.5

Reference Method :
1. ISO 1996-1



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporna, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-21
Parameter : เสียงรบกวน
Location : ตำบลบ้านใหม่คลองโคกกราม (GPS 47P 0727204, 1433094)
Measurement Date : Aug 28 - 29, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 623391

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ระดับเสียง (dB(A))				ค่าระดับการรบกวน	
			ผลต่าง	ตัวปรับค่า	ปรับตามเสียงจากแหล่งกำเนิด			
					ค่าจริง	ค่าปรับ		
02:00 PM - 03:00 PM	59.0	65.0	-6.0	7.0	52.0	59.9	-7.9	
03:00 PM - 04:00 PM	65.3	63.3	2.0	4.5	60.8	-	58.0	2.8
04:00 PM - 05:00 PM	54.7	63.6	-8.9	7.0	47.7	-	58.2	-10.5
05:00 PM - 06:00 PM	61.8	62.9	-1.1	7.0	54.8	-	58.5	-3.7
06:00 PM - 07:00 PM	56.8	62.4	-5.6	7.0	49.8	-	57.9	-8.9
07:00 PM - 08:00 PM	57.6	62.6	-5.0	7.0	50.6	-	57.6	-7.0
08:00 PM - 09:00 PM	58.2	60.7	-2.5	7.0	51.2	-	55.7	-4.5
09:00 PM - 10:00 PM	59.3	56.1	3.2	3.0	56.3	-	50.1	6.2
10:00 PM - 10:05 PM	61.7	52.1	9.6	0.5	-	64.2	61.7	14.3
10:05 PM - 10:10 PM	61.4	54.0	7.4	1.0	-	63.4	50.7	12.7
10:10 PM - 10:15 PM	61.0	54.3	6.7	1.0	-	63.0	51.0	12.0
10:15 PM - 10:20 PM	57.4	55.3	2.1	4.5	-	55.9	51.0	4.9
10:20 PM - 10:25 PM	60.6	49.9	10.7	1.5	-	62.2	52.2	6.9
10:25 PM - 10:30 PM	61.6	57.5	4.1	2.0	-	62.6	52.2	10.4
10:30 PM - 10:35 PM	60.6	57.0	3.6	2.0	-	61.6	50.6	11.0
10:35 PM - 10:40 PM	60.3	57.1	3.2	3.0	-	60.3	49.1	11.2
10:40 PM - 10:45 PM	55.4	54.8	0.6	7.0	-	51.4	49.1	2.3
10:45 PM - 10:50 PM	55.4	54.8	0.6	7.0	-	51.4	48.4	3.0
10:50 PM - 10:55 PM	55.5	54.9	0.6	7.0	-	51.5	49.4	2.1
10:55 PM - 11:00 PM	55.4	55.0	0.4	7.0	-	51.4	50.5	0.9
11:00 PM - 11:05 PM	56.0	54.4	1.6	4.5	-	54.5	51.0	3.5
11:05 PM - 11:10 PM	56.4	55.7	0.7	7.0	-	52.4	51.4	0.3
11:10 PM - 11:15 PM	56.1	53.5	2.6	3.0	-	56.1	49.6	6.5
11:15 PM - 11:20 PM	55.9	56.2	-0.3	7.0	-	51.9	49.2	2.7
11:20 PM - 11:25 PM	56.0	52.2	3.8	2.0	-	57.0	49.3	7.7
11:25 PM - 11:30 PM	58.6	57.3	1.3	7.0	-	54.5	49.6	5.0
11:30 PM - 11:35 PM	59.7	56.0	3.7	2.0	-	60.7	49.5	11.2
11:35 PM - 11:40 PM	60.9	52.7	8.2	0.5	-	63.4	49.2	14.2
11:40 PM - 11:45 PM	58.5	52.6	5.9	1.5	-	60.0	48.3	11.7
11:45 PM - 11:50 PM	55.2	49.4	5.8	1.5	-	56.6	46.8	9.8
11:50 PM - 11:55 PM	57.6	47.8	9.8	0.5	-	60.1	46.7	13.4
11:55 PM - 12:00 AM	56.3	52.4	3.9	2.0	-	57.3	46.9	10.4
12:00 AM - 12:05 AM	54.4	52.6	1.8	4.5	-	52.9	47.1	5.8
12:05 AM - 12:10 AM	54.4	54.6	-0.2	7.0	-	50.4	46.8	3.6
12:10 AM - 12:15 AM	54.5	40.5	14.0	2.0	-	55.5	47.1	8.5
12:15 AM - 12:20 AM	54.4	49.9	4.5	1.5	-	55.9	47.1	8.8
12:20 AM - 12:25 AM	54.8	53.9	0.9	7.0	-	50.8	48.3	2.5
12:25 AM - 12:30 AM	54.9	50.8	4.1	2.0	-	55.9	47.6	8.3
12:30 AM - 12:35 AM	57.7	46.1	11.6	1.5	-	59.1	47.6	11.8
12:35 AM - 12:40 AM	56.6	50.5	6.1	1.5	-	58.1	46.9	11.2

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporna, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-21
Parameter : เสียงรบกวน
Location : ตำบลบ้านใหม่คลองโคกกราม (GPS 47P 0727204, 1433094)
Measurement Date : Aug 28 - 29, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 623391

ตารางเสียง (dB(A))									
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ผลต่าง	ค่าปรับ	ปรับตามเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าเสียงจากกิจกรรม	
					ค่าจริง	ค่าปรับ			
04:00 AM - 04:05 AM	57.1	52.3	4.8	1.5	-	58.6	46.1	12.5	
04:05 AM - 04:10 AM	59.1	49.5	9.6	0.5	-	61.6	46.1	15.4	
04:10 AM - 04:15 AM	58.1	52.3	5.8	1.5	-	59.6	46.3	13.3	
04:15 AM - 04:20 AM	54.9	61.0	-6.1	7.0	-	59.0	47.0	3.9	
04:20 AM - 04:25 AM	58.7	53.3	5.4	1.5	-	60.2	46.3	13.9	
04:25 AM - 04:30 AM	57.4	53.7	3.7	2.0	-	58.4	47.3	11.1	
04:30 AM - 04:35 AM	59.1	51.0	8.1	0.5	-	61.6	46.1	15.5	
04:35 AM - 04:40 AM	58.3	54.3	4.0	2.0	-	59.3	46.7	12.6	
04:40 AM - 04:45 AM	56.8	54.5	2.3	4.5	-	55.3	46.7	8.6	
04:45 AM - 04:50 AM	56.0	56.5	-0.5	7.0	-	52.6	46.6	4.4	
04:50 AM - 04:55 AM	55.5	55.8	-0.3	7.0	-	51.5	47.6	3.9	
04:55 AM - 05:00 AM	54.1	57.8	-3.7	7.0	-	50.1	48.8	1.3	
05:00 AM - 05:05 AM	54.5	58.8	-4.3	7.0	-	50.5	48.6	1.9	
05:05 AM - 05:10 AM	54.1	54.6	-0.5	7.0	-	49.7	48.7	1.0	
05:10 AM - 05:15 AM	54.2	56.1	-1.9	7.0	-	50.2	48.7	1.5	
05:15 AM - 05:20 AM	54.2	57.0	-2.8	7.0	-	50.2	50.1	0.1	
05:20 AM - 05:25 AM	54.6	57.1	-2.5	7.0	-	50.6	48.7	1.9	
05:25 AM - 05:30 AM	55.9	57.0	-1.1	7.0	-	51.9	49.7	2.2	
05:30 AM - 05:35 AM	54.3	58.2	-3.9	7.0	-	50.3	49.2	1.1	
05:35 AM - 05:40 AM	54.2	57.9	-3.7	7.0	-	50.2	50.4	-0.2	
05:40 AM - 05:45 AM	54.1	58.5	-4.4	7.0	-	49.7	48.1	1.8	
05:45 AM - 05:50 AM	54.2	57.2	-3.0	7.0	-	50.2	50.3	-0.1	
05:50 AM - 05:55 AM	54.4	59.6	-5.2	7.0	-	50.4	51.7	-1.3	
05:55 AM - 06:00 AM	54.2	59.5	-5.3	7.0	-	50.2	53.5	-3.3	
06:00 AM - 07:00 AM	56.2	63.9	-7.7	7.0	49.2	-	58.2	-9.0	
07:00 AM - 08:00 AM	57.5	65.6	-8.1	7.0	50.5	-	59.5	-9.8	
08:00 AM - 09:00 AM	61.6	64.2	-2.6	7.0	54.6	-	58.6	-4.0	
09:00 AM - 10:00 AM	55.9	62.2	-6.3	7.0	48.9	-	55.6	-2.5	
10:00 AM - 11:00 AM	60.1	60.7	-0.6	7.0	53.1	-	56.1	-7.2	
11:00 AM - 12:00 PM	56.5	60.7	-4.2	7.0	49.5	-	54.9	-5.4	
12:00 PM - 01:00 PM	53.9	60.5	-6.6	7.0	46.9	-	54.1	-7.2	
01:00 PM - 02:00 PM	63.1	62.2	0.9	7.0	56.1	-	57.6	-1.5	

Reference Method :
1. ISO 1996-1
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

หมายเหตุ :
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานเสียงจากแหล่งกำเนิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
ระดับเสียงรบกวนเฉลี่ย 24 ชั่วโมง : 65.6
ระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการ (Sample No.2397467-3) 31.0 ชั่วโมง : 29.30 ตุลาคม 2566

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporna, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-21
Parameter : เสียงรบกวน
Location : ตำบลบ้านใหม่คลองโคกกราม (GPS 47P 0727204, 1433094)
Measurement Date : Aug 28 - 29, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 623391

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ระดับเสียง (dB(A))		ค่าปรับเสียงจากแหล่งกำเนิด	ค่าเสียงที่เกิน	ค่าค่าเสียงการรบกวน	
			ผลต่าง	ค่าปรับ				
12:40 AM - 12:45 AM	58.6	52.0	6.6	1.0	-	60.6	47.1	13.5
12:45 AM - 12:50 AM	58.1	52.5	5.6	1.5	-	59.6	47.5	12.1
12:50 AM - 12:55 AM	55.7	49.2	6.5	1.0	-	57.7	46.8	10.9
12:55 AM - 01:00 AM	56.4	48.1	8.3	0.5	-	58.9	46.7	12.2
01:00 AM - 01:05 AM	54.2	58.9	-4.7	7.0	-	56.3	46.8	9.5
01:05 AM - 01:10 AM	53.9	47.3	6.6	1.0	-	55.9	46.6	9.3
01:10 AM - 01:15 AM	54.3	48.6	5.7	1.5	-	55.8	46.7	9.1
01:15 AM - 01:20 AM	53.8	48.6	5.2	1.5	-	55.3	46.5	8.8
01:20 AM - 01:25 AM	54.5	51.2	3.3	3.0	-	54.5	46.2	8.3
01:25 AM - 01:30 AM	53.6	51.2	2.4	4.5	-	53.6	46.0	7.6
01:30 AM - 01:35 AM	53.2	50.2	3.0	3.0	-	53.2	46.2	7.0
01:35 AM - 01:40 AM	54.4	51.8	2.6	3.0	-	54.4	46.4	8.0
01:40 AM - 01:45 AM	55.6	52.6	3.0	3.0	-	55.6	46.7	8.9
01:45 AM - 01:50 AM	55.5	49.6	5.9	1.5	-	57.0	46.8	10.2
01:50 AM - 01:55 AM	55.8	48.7	7.1	1.0	-	57.8	46.3	11.5
01:55 AM - 02:00 AM	55.7	52.2	3.5	2.0	-	56.7	46.8	9.9
02:00 AM - 02:05 AM	55.8	51.2	4.6	1.5	-	57.3	46.7	10.6
02:05 AM - 02:10 AM	56.3	53.3	3.0	3.0	-	56.3	46.8	9.5
02:10 AM - 02:15 AM	58.5	49.1	9.4	0.5	-	61.0	46.6	14.4
02:15 AM - 02:20 AM	57.3	49.1	8.2	0.5	-	59.8	46.6	13.2
02:20 AM - 02:25 AM	58.0	48.5	9.5	0.5	-	60.5	46.4	14.1
02:25 AM - 02:30 AM	55.9	49.1	6.8	1.0	-	57.0	46.5	11.4
02:30 AM - 02:35 AM	55.7	51.0	4.7	1.5	-	57.2	46.8	10.4
02:35 AM - 02:40 AM	55.9	47.3	8.6	0.5	-	58.4	46.4	12.0
02:40 AM - 02:45 AM	54.7	47.4	7.3	1.0	-	56.7	46.5	10.2
02:45 AM - 02:50 AM	53.9	50.4	3.5	2.0	-	54.9	46.8	8.1
02:50 AM - 02:55 AM	54.5	48.6	5.9	1.5	-	56.0	46.7	9.3
02:55 AM - 03:00 AM	54.7	47.1	7.6	0.5	-	57.2	46.4	10.8
03:00 AM - 03:05 AM	56.4	47.0	9.4	0.5	-	58.9	46.2	12.7
03:05 AM - 03:10 AM	58.5	48.8	9.7	0.5	-	61.0	46.2	14.8
03:10 AM - 03:15 AM	58.7	47.3	11.4	0.5	-	61.5	46.2	15.3
03:15 AM - 03:20 AM	59.2	47.0	12.2	0.5	-	61.7	46.3	15.4
03:20 AM - 03:25 AM	60.3	49.5	10.8	0.5	-	62.8	46.5	16.3
03:25 AM - 03:30 AM	60.3	51.7	8.6	0.5	-	62.8	46.8	15.0
03:30 AM - 03:35 AM	58.1	49.2	8.9	0.5	-	60.2	46.2	14.4
03:35 AM - 03:40 AM	59.2	50.6	8.6	0.5	-	61.7	45.9	15.8
03:40 AM - 03:45 AM	58.6	51.2	7.4	1.0	-	60.6	46.4	14.2
03:45 AM - 03:50 AM	59.2	49.4	9.8	0.5	-	61.7	46.1	15.6
03:50 AM - 03:55 AM	59.4	48.9	10.5	0.5	-	61.5	46.1	15.8
03:55 AM - 04:00 AM	59.1	50.2	8.9	0.5	-	61.6	46.1	15.5

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporna, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-22
Parameter : เสียงรบกวน
Location : ตำบลบ้านใหม่คลองโคกกราม (GPS 47P 0727619, 1433056)
Measurement Date : Aug 27 - 28, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 623392

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ระดับเสียง (dB(A))		ค่าปรับเสียงตามระยะทาง	เสียงที่จุดคำนวณ	ค่าความรบกวน	
			ผลต่าง	ค่าปรับ				
02:00 PM - 03:00 PM	58.0	57.3	0.7	7.0	51.0	50.4	0.6	
03:00 PM - 04:00 PM	54.9	52.2	2.7	3.0	51.9	-	49.4	2.5
04:00 PM - 05:00 PM	57.7	50.7	7.0	1.0	56.7	-	48.0	8.7
05:00 PM - 06:00 PM	58.5	53.1	5.4	1.5	57.0	-	48.5	8.5
06:00 PM - 07:00 PM	58.8	51.5	7.3	1.0	57.8	-	48.6	8.2
07:00 PM - 08:00 PM	60.7	53.4	7.3	1.0	59.7	-	49.2	10.5
08:00 PM - 09:00 PM	60.7	57.3	3.4	3.0	57.7	-	49.8	7.9
09:00 PM - 10:00 PM	61.9	59.2	2.7	0.5	61.4	-	48.4	13.0
10:00 PM - 10:05 PM	66.9	49.6	17.3	0.0	-	69.9	48.0	21.9
10:05 PM - 10:10 PM	69.9	49.9	20.0	0.0	-	72.9	48.0	20.9
10:10 PM - 10:15 PM	69.5	49.4	20.1	0.0	-	72.5	47.7	24.8
10:15 PM - 10:20 PM	69.5	49.4	20.1	0.0	-	72.5	48.3	24.2
10:20 PM - 10:25 PM	69.4	49.0	20.4	0.0	-	72.4	47.6	24.2
10:25 PM - 10:30 PM	69.3	48.7	20.6	0.0	-	72.3	47.7	24.6
10:30 PM - 10:35 PM	69.1	49.5	19.6	0.0	-	72.1	48.6	23.5
10:35 PM - 10:40 PM	68.8	49.6	19.2	0.0	-	71.8	48.7	23.1
10:40 PM - 10:45 PM	68.8	49.6	19.2	0.0	-	71.8	48.6	23.2
10:45 PM - 10:50 PM	68.6	50.2	18.4	0.0	-	71.6	48.7	22.9
10:50 PM - 10:55 PM	68.5	49.5	19.0	0.0	-	71.5	47.6	23.9
10:55 PM - 11:00 PM	68.4	48.9	19.5	0.0	-	71.4	47.5	23.9
11:00 PM - 11:05 PM	68.2	48.7	19.5	0.0	-	71.2	47.8	23.4
11:05 PM - 11:10 PM	68.2	49.1	19.1	0.0	-	71.2	48.1	23.1
11:10 PM - 11:15 PM	67.9	48.9	19.0	0.0	-	70.9	47.9	23.9
11:15 PM - 11:20 PM	67.5	49.1	18.4	0.0	-	70.5	48.6	21.1
11:20 PM - 11:25 PM	67.3	49.1	18.2	0.0	-	70.3	47.9	22.4
11:25 PM - 11:30 PM	67.0	48.2	18.8	0.0	-	70.0	47.4	22.6
11:30 PM - 11:35 PM	67.0	48.1	18.9	0.0	-	70.0	47.0	22.6
11:35 PM - 11:40 PM	66.8	50.3	16.5	0.0	-	69.8	47.4	22.4
11:40 PM - 11:45 PM	66.8	51.3	15.5	0.0	-	69.8	47.8	22.0
11:45 PM - 11:50 PM	66.8	50.5	16.3	0.0	-	69.8	48.7	21.1
11:50 PM - 11:55 PM	66.7	51.5	15.2	0.0	-	69.7	48.4	21.7
11:55 PM - 12:00 AM	66.7	54.8	11.9	0.5	-	69.2	47.0	22.2
12:00 AM - 12:05 AM	66.7	54.0	12.7	0.0	-	69.7	47.5	22.2
12:05 AM - 12:10 AM	66.8	48.5	18.3	0.0	-	69.8	47.5	22.3
12:10 AM - 12:15 AM	67.1	49.1	17.9	0.0	-	69.9	47.0	22.3
12:15 AM - 12:20 AM	66.2	48.6	17.6	0.0	-	69.2	47.9	21.3
12:20 AM - 12:25 AM	66.2	47.8	18.4	0.0	-	69.2	46.8	22.4
12:25 AM - 12:30 AM	66.1	48.3	17.8	0.0	-	69.1	47.6	21.5
12:30 AM - 12:35 AM	66.0	48.8	17.2	0.0	-	69.0	48.1	20.9
12:35 AM - 12:40 AM	65.9	49.4	16.5	0.0	-	68.9	48.4	20.4



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpore, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. 2397466-22
Parameter เสียงรบกวน
Location ตำบลเพ็ญแขวงโครงการ (GPS 47P 0727619, 1433056)
Measurement Date Aug 22 - 23, 2023
Measurement by Sawai Tonpho
Sound Level Meter 623392

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		ค่าปรับการรบกวน	เสียงที่รบกวน	ค่าระดับการรบกวน	
			ผลต่าง	ตัวปรับค่า				
การวัดเสียงจากแหล่งกำเนิด								
ผลการวัด								
12:40 AM - 12:45 AM	65.8	50.1	15.7	0.0	-	68.8	49.2	19.6
12:45 AM - 12:50 AM	65.7	51.4	14.3	0.0	-	68.7	50.6	18.1
12:50 AM - 12:55 AM	65.5	55.4	10.1	0.5	-	68.0	49.4	18.6
12:55 AM - 01:00 AM	65.5	55.4	10.1	0.5	-	68.0	48.5	19.5
01:00 AM - 01:05 AM	65.4	53.8	11.6	0.5	-	67.9	47.6	20.1
01:05 AM - 01:10 AM	65.3	48.9	16.4	0.0	-	68.3	48.1	20.2
01:10 AM - 01:15 AM	65.3	49.7	15.6	0.0	-	68.3	48.6	19.7
01:15 AM - 01:20 AM	65.1	49.7	15.4	0.0	-	68.1	48.7	19.4
01:20 AM - 01:25 AM	64.9	48.3	16.6	0.0	-	67.9	47.4	20.5
01:25 AM - 01:30 AM	64.5	47.9	16.6	0.0	-	67.5	47.2	20.3
01:30 AM - 01:35 AM	64.7	47.9	16.8	0.0	-	67.7	47.1	20.6
01:35 AM - 01:40 AM	64.3	48.0	16.3	0.0	-	67.3	47.3	20.0
01:40 AM - 01:45 AM	64.5	48.3	16.2	0.0	-	67.5	47.5	20.0
01:45 AM - 01:50 AM	64.0	49.2	14.8	0.0	-	67.0	48.8	18.4
01:50 AM - 01:55 AM	64.1	49.6	14.5	0.0	-	67.1	48.7	18.4
01:55 AM - 02:00 AM	63.4	50.1	13.3	0.0	-	66.4	49.2	17.2
02:00 AM - 02:05 AM	63.4	49.1	14.3	0.0	-	66.4	48.0	18.4
02:05 AM - 02:10 AM	69.9	48.7	21.2	0.0	-	72.9	48.0	24.9
02:10 AM - 02:15 AM	69.7	48.0	21.7	0.0	-	72.7	47.2	25.5
02:15 AM - 02:20 AM	69.6	49.2	20.4	0.0	-	72.6	48.0	24.6
02:20 AM - 02:25 AM	69.4	51.4	18.0	0.0	-	72.4	49.0	23.4
02:25 AM - 02:30 AM	69.5	50.6	18.9	0.0	-	72.5	49.0	22.9
02:30 AM - 02:35 AM	69.1	50.0	19.1	0.0	-	72.1	49.1	23.0
02:35 AM - 02:40 AM	69.0	49.9	19.1	0.0	-	72.0	48.7	23.3
02:40 AM - 02:45 AM	68.8	48.9	19.9	0.0	-	71.8	48.2	23.6
02:45 AM - 02:50 AM	68.4	49.4	19.0	0.0	-	71.4	48.2	23.6
02:50 AM - 02:55 AM	68.2	49.4	18.8	0.0	-	71.2	48.8	22.4
02:55 AM - 03:00 AM	68.4	49.3	19.1	0.0	-	71.4	48.3	23.1
03:00 AM - 03:05 AM	67.9	49.5	18.4	0.0	-	70.9	48.6	22.3
03:05 AM - 03:10 AM	68.2	48.6	19.6	0.0	-	71.2	47.5	23.6
03:10 AM - 03:15 AM	67.8	48.5	19.3	0.0	-	70.8	47.8	23.0
03:15 AM - 03:20 AM	68.1	48.7	19.4	0.0	-	71.1	47.5	23.6
03:20 AM - 03:25 AM	67.4	49.8	17.6	0.0	-	70.4	49.0	21.4
03:25 AM - 03:30 AM	67.8	48.9	18.9	0.0	-	70.8	47.0	23.0
03:30 AM - 03:35 AM	67.0	48.7	18.3	0.0	-	70.0	47.8	22.2
03:35 AM - 03:40 AM	67.1	49.1	18.0	0.0	-	70.1	47.2	22.9
03:40 AM - 03:45 AM	66.2	48.9	17.3	0.0	-	69.2	47.5	21.7
03:45 AM - 03:50 AM	66.1	48.2	17.9	0.0	-	69.1	47.6	21.5
03:50 AM - 03:55 AM	65.6	48.6	17.0	0.0	-	66.6	48.6	18.6
03:55 AM - 04:00 AM	65.2	48.6	16.6	0.0	-	66.2	47.4	20.8

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Wilawan Borirak
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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpore, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. 2397466-23
Parameter เสียงรบกวน
Location ตำบลเพ็ญแขวงโครงการ (GPS 47P 0727619, 1433056)
Measurement Date Aug 23 - 24, 2023
Measurement by Sawai Tonpho
Sound Level Meter 623392

ระดับเสียง (dB(A))								
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ผลต่าง	ค่าปรับ	การวัดเสียงจากแหล่งกำเนิด		เสียงที่รบกวน	ค่าระดับการรบกวน
					ค่าจริง	ค่าปรับ		
02:00 PM - 03:00 PM	58.3	57.3	1.0	7.0	51.3	-	50.4	0.9
03:00 PM - 04:00 PM	58.5	52.2	6.3	1.5	57.0	-	49.4	7.6
04:00 PM - 05:00 PM	58.5	50.7	7.8	0.5	58.0	-	48.0	10.0
05:00 PM - 06:00 PM	60.3	53.1	7.2	1.0	59.3	-	48.5	10.8
06:00 PM - 07:00 PM	59.4	51.5	7.9	0.5	58.9	-	49.6	9.3
07:00 PM - 08:00 PM	62.5	53.4	9.1	0.5	62.0	-	49.2	12.8
08:00 PM - 09:00 PM	62.7	57.3	5.4	1.5	61.2	-	49.8	11.4
09:00 PM - 10:00 PM	62.1	50.2	11.9	0.5	61.6	-	48.4	13.2
10:00 PM - 10:05 PM	62.1	49.6	12.5	0.0	-	65.1	48.0	17.1
10:05 PM - 10:10 PM	62.3	49.9	12.4	0.4	-	64.8	47.8	16.9
10:10 PM - 10:15 PM	62.1	49.4	12.7	0.0	-	65.1	47.7	17.4
10:15 PM - 10:20 PM	62.2	50.3	11.9	0.5	-	64.7	48.3	16.4
10:20 PM - 10:25 PM	62.2	49.0	13.2	0.0	-	65.2	47.6	17.6
10:25 PM - 10:30 PM	62.2	48.7	13.5	0.0	-	65.2	47.7	17.5
10:30 PM - 10:35 PM	60.9	49.5	11.4	0.5	-	64.8	48.4	14.8
10:35 PM - 10:40 PM	57.2	49.6	7.6	0.5	-	59.7	48.7	11.0
10:40 PM - 10:45 PM	60.6	49.6	11.0	0.5	-	61.1	48.6	14.5
10:45 PM - 10:50 PM	61.0	50.2	10.8	0.5	-	63.5	48.7	14.8
10:50 PM - 10:55 PM	58.9	49.5	9.4	0.5	-	61.4	48.6	13.8
10:55 PM - 11:00 PM	59.6	48.9	10.7	0.5	-	61.1	47.5	14.6
11:00 PM - 11:05 PM	59.3	48.7	10.6	0.5	-	62.8	47.8	14.5
11:05 PM - 11:10 PM	58.6	49.1	9.5	0.5	-	61.1	48.1	13.0
11:10 PM - 11:15 PM	59.5	48.9	10.6	0.5	-	62.0	47.9	14.1
11:15 PM - 11:20 PM	59.5	49.1	10.4	0.5	-	62.0	48.6	13.4
11:20 PM - 11:25 PM	59.5	49.1	10.4	0.5	-	62.0	47.9	14.1
11:25 PM - 11:30 PM	60.9	48.2	12.7	0.0	-	63.9	47.4	16.5
11:30 PM - 11:35 PM	59.7	48.1	11.6	0.5	-	62.4	47.6	14.8
11:35 PM - 11:40 PM	60.2	50.3	9.9	0.5	-	62.7	47.4	15.3
11:40 PM - 11:45 PM	59.6	51.3	8.3	0.5	-	62.1	47.8	14.3
11:45 PM - 11:50 PM	59.6	50.5	9.1	0.5	-	62.1	48.7	13.4
11:50 PM - 11:55 PM	59.6	51.5	8.1	0.5	-	62.1	48.4	13.7
11:55 PM - 12:00 AM	59.6	54.8	4.8	1.5	-	61.1	47.0	14.1
12:00 AM - 12:05 AM	59.7	54.0	5.7	1.5	-	61.2	47.5	13.7
12:05 AM - 12:10 AM	59.7	48.5	11.2	0.5	-	62.2	47.5	14.7
12:10 AM - 12:15 AM	59.7	49.1	10.6	0.5	-	62.2	47.9	15.2
12:15 AM - 12:20 AM	60.7	48.6	12.1	0.5	-	62.6	47.5	14.9
12:20 AM - 12:25 AM	59.7	47.8	11.9	0.5	-	62.2	46.8	15.4
12:25 AM - 12:30 AM	59.6	48.3	11.3	0.5	-	62.1	47.6	14.5
12:30 AM - 12:35 AM	59.5	48.8	10.7	0.5	-	62.0	48.1	13.9
12:35 AM - 12:40 AM	60.4	49.4	11.0	0.5	-	62.8	47.3	14.4



Analysis / Test Report

Client : UACI (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpore, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-23
Parameter : เสียงรบกวน
Location : ตำบลเพ็ญโฉมชลประทาน (GPS 47P 0727619, 1433056)
Measurement Date : Aug 23 - 24, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 623392

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนไม่มีการรบกวน	ระดับเสียง (dB(A))		ค่าเฉลี่ย
			ค่าเฉลี่ย	ค่าสูงสุด	
04:00 AM - 04:05 AM	61.3	48.7	12.6	0.0	64.3
04:05 AM - 04:10 AM	60.7	48.8	11.9	0.5	63.2
04:10 AM - 04:15 AM	61.4	47.7	13.7	0.0	64.4
04:15 AM - 04:20 AM	61.1	47.5	13.6	0.0	64.1
04:20 AM - 04:25 AM	61.4	48.2	13.2	0.0	64.4
04:25 AM - 04:30 AM	61.9	48.6	13.3	0.0	64.9
04:30 AM - 04:35 AM	60.6	47.9	12.7	0.0	63.6
04:35 AM - 04:40 AM	62.0	47.4	14.6	0.0	65.0
04:40 AM - 04:45 AM	60.9	47.9	13.0	0.0	63.9
04:45 AM - 04:50 AM	62.1	47.8	14.3	0.0	65.1
04:50 AM - 04:55 AM	60.6	48.4	12.2	0.5	63.1
04:55 AM - 05:00 AM	61.7	55.6	6.1	1.5	63.2
05:00 AM - 05:05 AM	61.4	54.0	7.4	1.0	63.4
05:05 AM - 05:10 AM	59.5	48.5	11.0	0.5	62.0
05:10 AM - 05:15 AM	59.5	47.7	11.8	0.5	62.0
05:15 AM - 05:20 AM	59.4	49.3	10.1	0.5	61.9
05:20 AM - 05:25 AM	59.4	54.9	4.5	1.5	60.9
05:25 AM - 05:30 AM	59.8	56.2	3.6	2.0	60.8
05:30 AM - 05:35 AM	59.7	51.0	8.7	0.5	62.2
05:35 AM - 05:40 AM	62.1	50.1	12.0	0.5	64.6
05:40 AM - 05:45 AM	60.4	50.0	10.4	0.5	62.9
05:45 AM - 05:50 AM	62.4	49.8	12.6	0.0	65.4
05:50 AM - 05:55 AM	61.6	49.4	12.2	0.5	64.1
05:55 AM - 06:00 AM	61.7	52.1	9.6	0.5	64.2
06:00 AM - 07:00 AM	63.3	55.4	7.9	0.5	62.8
07:00 AM - 08:00 AM	63.5	58.1	5.4	1.5	62.0
08:00 AM - 09:00 AM	70.4	57.2	13.2	0.0	70.4
09:00 AM - 10:00 AM	67.3	54.5	12.8	0.0	67.3
10:00 AM - 11:00 AM	61.9	53.8	7.8	0.5	61.4
11:00 AM - 12:00 PM	65.1	48.9	16.2	0.0	65.1
12:00 PM - 01:00 PM	58.9	59.7	-0.8	7.0	51.9
01:00 PM - 02:00 PM	60.4	59.6	0.8	7.0	53.4

Reference Method :
1. ISO 1996-1
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

หมายเหตุ :
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่ามาตรฐานเสียงรบกวนที่เกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
ระดับเสียงจากแหล่งกำเนิด พิจารณาตรวจวัด วันที่ 23-24 ตุลาคม 2566
ระดับเสียงที่ฐานและระดับเสียงรบกวนไม่มีการรบกวน (Sample No.2397467-4) พิจารณาตรวจวัด วันที่ 29-30 ตุลาคม 2566

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Analysis / Test Report

Client : UACI (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpore, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-24
Parameter : เสียงรบกวน
Location : ตำบลเพ็ญโฉมชลประทาน (GPS 47P 0727619, 1433056)
Measurement Date : Aug 24 - 25, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 623392

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนไม่มีการรบกวน	ระดับเสียง (dB(A))		ค่าเฉลี่ย
			ค่าเฉลี่ย	ค่าสูงสุด	
12:40 AM - 12:45 AM	56.8	50.1	6.7	1.0	58.8
12:45 AM - 12:50 AM	56.9	51.4	5.5	1.5	58.4
12:50 AM - 12:55 AM	57.0	55.4	1.6	4.5	55.5
12:55 AM - 01:00 AM	56.9	55.4	1.5	4.5	55.4
01:00 AM - 01:05 AM	57.0	53.8	3.2	3.0	57.0
01:05 AM - 01:10 AM	57.0	48.9	8.1	0.5	59.5
01:10 AM - 01:15 AM	56.9	49.7	7.2	1.0	58.9
01:15 AM - 01:20 AM	56.9	49.7	7.2	1.0	58.9
01:20 AM - 01:25 AM	56.9	48.3	8.6	0.5	59.4
01:25 AM - 01:30 AM	56.9	47.9	9.0	0.5	59.4
01:30 AM - 01:35 AM	56.9	47.9	9.0	0.5	59.4
01:35 AM - 01:40 AM	57.0	48.0	9.0	0.5	59.5
01:40 AM - 01:45 AM	57.0	48.3	8.7	0.5	59.5
01:45 AM - 01:50 AM	57.1	49.2	7.9	0.5	59.6
01:50 AM - 01:55 AM	57.0	49.6	7.4	1.0	59.0
01:55 AM - 02:00 AM	57.0	50.1	6.9	1.0	59.0
02:00 AM - 02:05 AM	57.0	49.1	7.9	1.5	59.5
02:05 AM - 02:10 AM	57.0	48.7	8.3	0.5	59.5
02:10 AM - 02:15 AM	57.0	48.0	9.0	0.5	59.5
02:15 AM - 02:20 AM	57.0	49.2	7.8	0.5	59.5
02:20 AM - 02:25 AM	57.0	51.4	5.6	1.5	58.5
02:25 AM - 02:30 AM	57.0	50.6	6.4	1.5	58.5
02:30 AM - 02:35 AM	57.0	50.0	7.0	1.0	59.0
02:35 AM - 02:40 AM	58.3	49.9	8.4	0.5	58.3
02:40 AM - 02:45 AM	57.0	48.9	8.1	0.5	59.5
02:45 AM - 02:50 AM	57.0	49.4	7.6	0.5	59.5
02:50 AM - 02:55 AM	57.1	49.4	7.7	0.5	59.6
02:55 AM - 03:00 AM	57.0	49.3	7.7	0.5	59.5
03:00 AM - 03:05 AM	57.0	49.5	7.5	0.5	59.5
03:05 AM - 03:10 AM	57.0	48.6	8.4	0.5	59.5
03:10 AM - 03:15 AM	57.1	48.5	8.6	0.5	59.6
03:15 AM - 03:20 AM	57.0	48.7	8.3	0.5	59.5
03:20 AM - 03:25 AM	57.0	49.8	7.2	1.0	59.0
03:25 AM - 03:30 AM	57.0	48.9	8.1	0.5	59.5
03:30 AM - 03:35 AM	57.0	48.7	8.3	0.5	59.5
03:35 AM - 03:40 AM	57.1	49.1	8.0	0.5	59.6
03:40 AM - 03:45 AM	57.0	48.9	8.1	0.5	59.5
03:45 AM - 03:50 AM	58.0	48.2	9.8	0.5	60.5
03:50 AM - 03:55 AM	57.0	61.6	-4.6	7.0	53.0
03:55 AM - 04:00 AM	57.1	48.6	8.5	0.5	59.6

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Analysis / Test Report

Client : UACI (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpore, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-24
Parameter : เสียงรบกวน
Location : ตำบลเพ็ญโฉมชลประทาน (GPS 47P 0727619, 1433056)
Measurement Date : Aug 24 - 25, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 623392

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนไม่มีการรบกวน	ระดับเสียง (dB(A))		ค่าเฉลี่ย
			ค่าเฉลี่ย	ค่าสูงสุด	
02:00 PM - 03:00 PM	59.9	57.3	2.6	3.0	56.9
03:00 PM - 04:00 PM	58.3	52.2	6.1	1.5	56.8
04:00 PM - 05:00 PM	57.8	50.7	7.1	1.0	56.8
05:00 PM - 06:00 PM	59.4	53.1	6.3	1.5	57.9
06:00 PM - 07:00 PM	59.7	51.5	8.2	0.5	59.2
07:00 PM - 08:00 PM	56.8	57.3	3.4	3.0	53.8
08:00 PM - 09:00 PM	56.8	57.3	3.4	3.0	53.8
09:00 PM - 10:00 PM	61.7	50.2	11.5	0.5	61.2
10:00 PM - 10:15 PM	62.0	49.4	12.6	0.0	64.5
10:15 PM - 10:30 PM	62.0	50.3	11.7	0.5	64.5
10:30 PM - 10:45 PM	61.1	49.0	12.1	0.5	63.6
10:45 PM - 11:00 PM	57.5	48.7	8.8	0.5	60.0
11:00 PM - 11:15 PM	57.7	49.5	8.2	0.5	60.2
11:15 PM - 11:30 PM	59.0	49.6	9.4	0.5	61.5
11:30 PM - 11:45 PM	59.4	49.6	9.8	0.5	61.9
11:45 PM - 12:00 AM	59.4	50.2	9.2	0.5	61.9
12:00 AM - 12:15 AM	59.4	49.5	9.9	0.5	61.9
12:15 AM - 12:30 AM	59.3	48.9	10.4	0.5	61.8
12:30 AM - 12:45 AM	59.5	48.7	10.8	0.5	62.0
12:45 AM - 1:00 AM	59.4	49.1	10.3	0.5	61.9
1:00 AM - 1:15 AM	59.4	48.9	10.5	0.5	61.9
1:15 AM - 1:30 AM	61.8	49.1	12.7	0.0	64.8
1:30 AM - 1:45 AM	60.2	49.1	11.1	0.5	62.7
1:45 AM - 2:00 AM	59.4	48.2	11.2	0.5	61.9
2:00 AM - 2:15 AM	59.4	48.1	11.3	0.5	61.9
2:15 AM - 2:30 AM	62.2	50.3	11.9	0.5	64.7
2:30 AM - 2:45 AM	60.9	51.3	9.6	0.5	63.4
2:45 AM - 3:00 AM	58.5	50.5	8.0	0.5	61.0
3:00 AM - 3:15 AM	56.9	51.5	5.4	1.5	58.4
3:15 AM - 3:30 AM	56.9	54.8	2.1	4.5	55.4
3:30 AM - 3:45 AM	56.9	54.0	2.9	3.0	56.9
3:45 AM - 4:00 AM	56.8	48.5	8.3	0.5	59.3
4:00 AM - 4:15 AM	56.9	49.1	7.8	0.5	59.4
4:15 AM - 4:30 AM	57.0	48.6	8.4	0.5	59.5
4:30 AM - 4:45 AM	56.9	47.8	9.1	0.5	59.4
4:45 AM - 5:00 AM	56.8	48.3	8.5	0.5	59.3
5:00 AM - 5:15 AM	56.8	48.8	8.0	0.5	59.3
5:15 AM - 5:30 AM	56.8	49.4	7.4	1.0	58.8

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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Wiwann Borikak
Manager

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Analysis / Test Report

Client : UACI (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpore, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-24
Parameter : เสียงรบกวน
Location : ตำบลเพ็ญโฉมชลประทาน (GPS 47P 0727619, 1433056)
Measurement Date : Aug 24 - 25, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 623392

Sound Level Meter		023392		ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนไม่มีการรบกวน	ผลต่างระดับเสียง	ส่วนเกิน	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าเฉลี่ย		
					ค่าจริง (A2)	ค่าปรับ (A2+2)				
04:00 AM - 04:05 AM	57.0	48.7	8.3	0.5	-	59.5	47.6	11.9		
04:05 AM - 04:10 AM	57.0	48.8	8.2	0.5	-	59.5	47.9	11.6		
04:10 AM - 04:15 AM	57.0	47.7	9.3	0.5	-	59.5	46.6	13.0		
04:15 AM - 04:20 AM	57.1	47.5	9.6	0.5	-	59.6	46.8	12.8		
04:20 AM - 04:25 AM	57.0	48.2	8.8	0.5	-	59.5	46.7	12.8		
04:25 AM - 04:30 AM	57.1	48.6	8.5	0.5	-	59.6	47.6	12.0		
04:30 AM - 04:35 AM	57.0	47.9	9.1	0.5	-	59.5	47.0	12.5		
04:35 AM - 04:40 AM	57.0	47.4	9.6	0.5	-	59.5	46.7	13.0		
04:40 AM - 04:45 AM	57.1	47.9	9.2	0.5	-	59.6	46.8	12.8		
04:45 AM - 04:50 AM	57.1	47.8	9.3	0.5	-	59.6	46.6	13.0		
04:50 AM - 04:55 AM	57.1	48.4	8.7	0.5	-	59.6	47.7	12.0		
04:55 AM - 05:00 AM	58.5	55.6	2.9	3.0	-	58.5	48.5	10.0		
05:00 AM - 05:05 AM	59.0	54.0	5.0	1.5	-	60.5	46.9	13.6		
05:05 AM - 05:10 AM	59.3	48.5	10.8	0.5	-	61.8	46.9	14.9		
05:10 AM - 05:15 AM	60.1	47.7	12.4	0.5	-	62.6	46.7	15.9		
05:15 AM - 05:20 AM	59.2	49.3	9.9	0.5	-	61.7	47.3	14.4		
05:20 AM - 05:25 AM	59.7	54.9	4.8	1.5	-	61.2	47.6	13.6		
05:25 AM - 05:30 AM	59.6	56.2	3.4	3.0	-	59.6	48.7	10.9		
05:30 AM - 05:35 AM	59.8	51.0	8.8	0.5	-	62.3	47.7	14.6		
05:35 AM - 05:40 AM	60.7	50.1	10.6	0.5	-	63.2	48.4	14.8		
05:40 AM - 05:45 AM	59.7	50.0	9.7	0.5	-	62.2	47.9	14.3		
05:45 AM - 05:50 AM	57.2	49.8	7.4	1.0	-	59.2	47.7	11.5		
05:50 AM - 05:55 AM	58.0	49.4	8.6	0.5	-	60.5	48.3	12.2		
05:55 AM - 06:00 AM	60.7	52.1	8.6	0.5	-	63.2	49.0	14.2		
06:00 AM - 07:00 AM	61.6	55.4	6.2	1.5	60.1	-	49.9	10.2		
07:00 AM - 08:00 AM	62.7	58.1	4.6	1.5	61.2	-	51.6	9.6		
08:00 AM - 09:00 AM	62.5	57.3	5.3	1.5	61.0	-	49.8	11.0		
09:00 AM - 10:00 AM	62.0	54.5	7.5	0.5	61.5	-	49.3	12.2		
10:00 AM - 11:00 AM	61.0	54.0	7.0	1.0	60.0	-	49.0	11.0		
11:00 AM - 12:00 PM	58.6	48.9	9.7	0.5	58.1	-	46.2	11.9		
12:00 PM - 01:00 PM	59.7	49.7	7.0	53.0	49.0	-	52.6	7.0		
01:00 PM - 02:00 PM	59.6	59.6	0.0	7.0	52.6	-	53.5	-0.9		



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabanyaporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-25
Parameter : เสียงรบกวน
Location : ตำบลพินนาเมืองโบราณ (GPS 47P 0727619, 1433056)
Measurement Date : Aug 25 - 26, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 623392

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ระดับเสียง (dB(A))					ค่าระดับการรบกวน
			ทิศทาง	ค่าเฉลี่ย		ค่าสูงสุด	ค่าต่ำสุด	
				ทิศทาง	ค่าสูงสุด			
02:00 PM - 03:00 PM	58.4	57.3	1.1	7.0	51.4	-	50.4	1.0
03:00 PM - 04:00 PM	59.3	52.2	7.1	1.0	58.3	-	49.4	8.3
04:00 PM - 05:00 PM	60.6	50.7	9.9	0.5	60.1	-	48.0	12.1
05:00 PM - 06:00 PM	62.6	53.1	9.5	0.5	62.1	-	48.5	13.6
06:00 PM - 07:00 PM	63.1	51.5	11.6	0.5	62.6	-	49.6	13.0
07:00 PM - 08:00 PM	61.8	53.4	8.4	0.5	61.3	-	49.2	12.1
08:00 PM - 09:00 PM	63.2	57.3	5.9	1.5	61.7	-	49.8	11.9
09:00 PM - 10:00 PM	62.2	50.2	12.0	0.5	61.7	-	48.4	13.3
10:00 PM - 10:05 PM	57.0	49.6	7.4	1.0	-	59.0	48.0	11.0
10:05 PM - 10:10 PM	57.1	49.9	7.2	1.0	-	59.1	47.8	11.2
10:10 PM - 10:15 PM	57.0	49.4	7.6	0.5	-	59.5	47.7	11.8
10:15 PM - 10:20 PM	58.2	50.3	7.9	0.5	-	60.7	48.3	12.4
10:20 PM - 10:25 PM	59.3	49.0	10.3	0.5	-	61.8	47.6	14.2
10:25 PM - 10:30 PM	59.6	48.7	10.9	0.5	-	62.1	47.7	14.4
10:30 PM - 10:35 PM	61.1	49.5	11.6	0.5	-	63.6	48.6	15.0
10:35 PM - 10:40 PM	61.8	49.6	12.2	0.5	-	64.3	48.7	15.6
10:40 PM - 10:45 PM	60.2	49.6	10.6	0.5	-	62.7	48.6	14.1
10:45 PM - 10:50 PM	65.7	50.2	15.5	0.0	-	68.7	48.7	20.0
10:50 PM - 10:55 PM	63.2	49.5	13.7	0.0	-	66.2	47.6	18.6
10:55 PM - 11:00 PM	61.4	48.9	12.5	0.0	-	64.4	47.5	16.9
11:00 PM - 11:05 PM	63.5	48.7	14.8	0.0	-	66.5	47.8	18.7
11:05 PM - 11:10 PM	70.0	49.1	20.9	0.0	-	73.0	48.1	24.9
11:10 PM - 11:15 PM	69.0	48.9	20.1	0.0	-	72.0	47.9	24.1
11:15 PM - 11:20 PM	67.2	48.1	18.1	0.0	-	70.2	48.6	21.6
11:20 PM - 11:25 PM	65.9	48.1	16.8	0.0	-	68.9	47.9	21.0
11:25 PM - 11:30 PM	65.7	48.2	17.5	0.0	-	68.7	47.8	21.1
11:30 PM - 11:35 PM	65.9	48.1	17.8	0.0	-	68.9	47.8	21.5
11:35 PM - 11:40 PM	66.5	50.3	16.2	0.0	-	69.5	47.4	22.1
11:40 PM - 11:45 PM	65.5	51.3	14.2	0.0	-	68.5	47.8	20.7
11:45 PM - 11:50 PM	64.5	50.5	14.0	0.0	-	67.5	48.8	18.8
11:50 PM - 11:55 PM	63.3	51.5	11.8	0.5	-	65.8	47.6	17.4
11:55 PM - 12:00 AM	62.6	54.8	7.8	0.5	-	65.1	47.0	18.1
12:00 AM - 12:05 AM	64.2	54.0	10.2	0.5	-	66.7	47.5	19.2
12:05 AM - 12:10 AM	61.8	48.5	13.3	0.0	-	64.8	47.5	17.3
12:10 AM - 12:15 AM	63.2	49.1	14.1	0.0	-	66.2	47.9	19.2
12:15 AM - 12:20 AM	61.4	48.6	12.8	0.0	-	64.4	47.9	16.5
12:20 AM - 12:25 AM	63.5	47.8	15.7	0.0	-	66.5	46.8	19.7
12:25 AM - 12:30 AM	61.1	48.3	12.8	0.0	-	64.1	47.6	16.5
12:30 AM - 12:35 AM	62.1	48.8	13.3	0.0	-	65.1	48.1	17.0
12:35 AM - 12:40 AM	61.3	49.4	11.9	0.5	-	63.8	48.8	15.0

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabanyaporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-25
Parameter : เสียงรบกวน
Location : ตำบลพินนาเมืองโบราณ (GPS 47P 0727619, 1433056)
Measurement Date : Aug 25 - 26, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 623392

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ระดับเสียง (dB(A))		ค่าระดับการรบกวน			
			ทิศทาง	ค่าเฉลี่ย				
04:00 AM - 04:05 AM	57.4	48.7	8.7	0.5	-	59.9	47.5	12.3
04:05 AM - 04:10 AM	57.4	48.8	8.6	0.5	-	59.9	47.5	12.3
04:10 AM - 04:15 AM	57.7	47.7	10.0	0.5	-	60.2	46.8	13.4
04:15 AM - 04:20 AM	57.3	47.5	9.8	0.5	-	59.8	46.6	13.2
04:20 AM - 04:25 AM	57.3	48.2	9.1	0.5	-	59.8	46.7	13.1
04:25 AM - 04:30 AM	57.4	48.6	8.8	0.5	-	59.9	47.5	12.8
04:30 AM - 04:35 AM	57.3	47.9	9.4	0.5	-	59.8	47.0	12.8
04:35 AM - 04:40 AM	57.4	47.4	10.0	0.5	-	59.9	46.5	13.4
04:40 AM - 04:45 AM	57.5	47.9	9.6	0.5	-	60.0	46.8	13.2
04:45 AM - 04:50 AM	58.7	47.8	10.9	0.5	-	61.2	46.6	14.6
04:50 AM - 04:55 AM	59.9	48.4	11.5	0.5	-	62.4	47.6	14.8
04:55 AM - 05:00 AM	59.7	55.6	4.1	2.0	-	60.7	48.5	12.2
05:00 AM - 05:05 AM	59.6	54.0	5.6	1.5	-	61.1	46.9	14.2
05:05 AM - 05:10 AM	59.7	48.5	11.2	0.5	-	62.2	46.9	15.2
05:10 AM - 05:15 AM	59.8	47.7	12.1	0.5	-	62.3	46.7	15.6
05:15 AM - 05:20 AM	59.7	49.3	10.4	0.5	-	62.2	47.3	14.9
05:20 AM - 05:25 AM	59.8	54.9	4.9	1.5	-	61.3	47.6	13.7
05:25 AM - 05:30 AM	60.2	56.2	4.0	2.0	-	61.2	48.7	12.5
05:30 AM - 05:35 AM	60.1	51.0	9.1	0.5	-	62.6	47.7	14.9
05:35 AM - 05:40 AM	62.2	50.1	12.1	0.5	-	64.7	48.4	16.3
05:40 AM - 05:45 AM	60.7	50.0	10.7	0.5	-	63.2	47.3	15.3
05:45 AM - 05:50 AM	61.3	49.8	11.5	0.5	-	63.8	47.7	16.1
05:50 AM - 05:55 AM	58.1	49.4	8.7	0.5	-	60.6	48.3	12.3
05:55 AM - 06:00 AM	58.4	52.1	6.3	1.5	-	59.9	49.0	10.9
06:00 AM - 07:00 AM	62.3	55.4	6.9	1.0	61.3	-	49.9	11.4
07:00 AM - 08:00 AM	61.4	58.1	3.3	3.0	58.4	-	51.6	6.8
08:00 AM - 09:00 AM	60.3	57.2	3.1	3.0	57.3	-	49.8	7.5
09:00 AM - 10:00 AM	58.1	54.5	3.6	2.0	56.1	-	49.3	6.8
10:00 AM - 11:00 AM	60.1	54.0	6.1	1.5	59.6	-	49.0	9.6
11:00 AM - 12:00 PM	60.9	58.0	12.0	0.5	60.5	-	46.9	14.9
12:00 PM - 01:00 PM	61.1	59.7	1.4	7.0	54.1	-	49.5	4.6
01:00 PM - 02:00 PM	61.3	59.6	1.7	4.5	56.8	-	53.5	3.3

Reference Method :

- ISO 1996-1
- ประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 25 ชั่วโมง และระดับเสียงสูงสุดที่ได้จากการประกอบกิจการโรงงาน พ.ศ. 2553

หมายเหตุ :

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงรบกวนและระดับเสียงที่ได้จากการประกอบกิจการโรงงาน พ.ศ. 2548
- ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานเสียงที่ได้จากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

ระดับเสียงรบกวนค่าเฉลี่ย 25 ชั่วโมง (Sample No.2397467-4) 31.0 ชั่วโมง 29.30 ชั่วโมง 25.66

ระดับเสียงรบกวนค่าเฉลี่ยไม่มีกิจกรรม (Sample No.2397467-4) 31.0 ชั่วโมง 29.30 ชั่วโมง 25.66

The above results are valid only for the analyzed/checked sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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Manager

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabanyaporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-25
Parameter : เสียงรบกวน
Location : ตำบลพินนาเมืองโบราณ (GPS 47P 0727619, 1433056)
Measurement Date : Aug 25 - 26, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 623392

เวลา	เสียงจากแหล่งกำเนิด	ระดับเสียง (dB(A))				เสียงพื้นฐาน	การคำนวณการรบกวน	
		เสียงขณะไม่มีกิจกรรม	แหล่งกำเนิดระดับเสียง	ตัวแปรค่า	ปรับค่าตามระยะทางและกำแพงกั้น			
					ค่าเสียง			ค่าเสียง
12:40 AM - 12:45 AM	62.0	50.1	11.9	0.5	-	64.5	49.2	15.3
12:45 AM - 12:50 AM	61.0	51.4	9.6	0.5	-	-	63.5	12.9
12:50 AM - 12:55 AM	62.1	55.4	6.7	1.0	-	64.1	49.4	14.7
12:55 AM - 01:00 AM	60.6	55.4	5.2	1.5	-	62.1	48.5	13.6
01:00 AM - 01:05 AM	62.5	53.8	8.7	0.5	-	65.0	48.8	17.2
01:05 AM - 01:10 AM	61.6	48.9	12.7	0.0	-	64.6	48.7	16.5
01:10 AM - 01:15 AM	59.7	49.7	10.0	0.5	-	62.2	48.6	13.6
01:15 AM - 01:20 AM	58.9	49.7	9.2	0.5	-	61.4	48.7	12.7
01:20 AM - 01:25 AM	60.0	48.3	11.7	0.5	-	62.5	47.4	15.1
01:25 AM - 01:30 AM	57.9	47.9	10.0	0.5	-	60.4	47.2	13.2
01:30 AM - 01:35 AM	57.9	47.9	10.0	0.5	-	60.4	47.1	13.3
01:35 AM - 01:40 AM	57.8	48.0	9.8	0.5	-	60.3	47.3	13.0
01:40 AM - 01:45 AM	57.8	48.3	9.5	0.5	-	60.3	47.5	12.8
01:45 AM - 01:50 AM	57.7	49.2	8.5	0.5	-	60.2	48.6	11.5
01:50 AM - 01:55 AM	57.7	49.6	8.1	0.5	-	60.2	48.7	11.5
01:55 AM - 02:00 AM	57.8	50.1	7.7	0.5	-	60.3	49.2	11.1
02:00 AM - 02:05 AM	59.2	49.1	10.1	0.5	-	61.7	48.0	13.7
02:05 AM - 02:10 AM	62.9	48.7	14.2	0.0	-	65.9	48.0	17.9
02:10 AM - 02:15 AM	64.1	48.0	16.1	0.0	-	67.1	48.0	19.4
02:15 AM - 02:20 AM	59.9	49.2	10.7	0.5	-	62.4	48.0	14.4
02:20 AM - 02:25 AM	57.7	51.4	6.3	1.5	-	59.2	49.0	10.2
02:25 AM - 02:30 AM	57.6	50.6	7.0	1.0	-	59.6	49.1	10.0
02:30 AM - 02:35 AM	57.5	50.0	7.5	0.5	-	60.0	49.1	10.9
02:35 AM - 02:40 AM	57.5	49.9	7.6	0.5	-	60.0	48.7	11.3
02:40 AM - 02:45 AM	57.5	48.9	8.6	0.5	-	60.0	48.2	11.8
02:45 AM - 02:50 AM	57.8	49.4	8.4	0.5	-	60.3	48.8	11.5
02:50 AM - 02:55 AM	57.5	49.4	8.1	0.5	-	60.0	48.8	11.2
02:55 AM - 03:00 AM	57.5	49.3	8.2	0.5	-	60.0	48.3	11.7
03:00 AM - 03:05 AM	57.4	49.5	7.9	0.5	-	59.9	48.6	11.3
03:05 AM - 03:10 AM	57.4	48.6	8.8	0.5	-	59.9	47.6	12.3
03:10 AM - 03:15 AM	57.4	48.5	8.9	0.5	-	59.9	47.8	12.1
03:15 AM - 03:20 AM	59.8	48.7	11.1	0.5	-	63.7	47.5	14.8
03:20 AM - 03:25 AM	59.2	49.8	9.4	0.5	-	61.7	49.0	12.7
03:25 AM - 03:30 AM	58.4	48.9	9.5	0.5	-	60.9	47.8	13.1
03:30 AM - 03:35 AM	59.6	48.7	10.9	0.5	-	62.1	47.9	14.3
03:35 AM - 03:40 AM	58.2	49.1	9.1	0.5	-	60.7	47.2	13.5
03:40 AM - 03:45 AM	59.3	48.9	10.4	0.5	-	61.8	47.5	14.3
03:45 AM - 03:50 AM	59.6	48.2	11.4	0.5	-	62.1	47.6	14.5
03:50 AM - 03:55 AM	59.4	61.6	-2.2	7.0	-	55.4	47.2	7.6
03:55 AM - 04:00 AM	57.3	48.6	8.7	0.5	-	59.8	47.4	12.4

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Approved by

Wiwann Borirak
Manager

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabanyaporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-26
Parameter : เสียงรบกวน
Location : ตำบลพินนาเมืองโบราณ (GPS 47P 0727619, 1433056)
Measurement Date : Aug 26 - 27, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 623392

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ระดับเสียง (dB(A))		ปรับค่าเสียงจากแหล่งกำเนิด	เสียงพื้นฐาน	ค่าระดับการรบกวน	
			ทิศทาง	ค่าเฉลี่ย				
								ค่าจริง
02:00 PM - 03:00 PM	62.3	57.3	5.0	1.5	60.8	50.4	10.4	
03:00 PM - 04:00 PM	61.1	52.2	8.9	0.5	60.6	-	49.4	11.2
04:00 PM - 05:00 PM	61.4	50.7	10.7	0.5	60.9	-	48.0	12.9
05:00 PM - 06:00 PM	60.7	53.1	7.6	0.5	60.2	-	48.5	11.1
06:00 PM - 07:00 PM	62.4	51.5	10.9	0.5	61.9	-	49.6	12.3
07:00 PM - 08:00 PM	62.5	53.4	9.1	0.5	62.0	-	49.3	12.8
08:00 PM - 09:00 PM	62.3	57.3	5.0	1.5	60.8	-	49.8	11.0
09:00 PM - 10:00 PM	61.5	50.2	11.3	0.5	61.0	-	48.4	12.6
10:00 PM - 10:05 PM	61.8	49.6	12.2	0.5	-	64.3	48.0	16.3
10:05 PM - 10:10 PM	61.4	49.9	11.5	0.5	-	63.9	47.5	16.0
10:10 PM - 10:15 PM	63.4	49.4	14.0	0.0	-	66.4	47.7	18.7
10:15 PM - 10:20 PM	64.0	50.3	13.7	0.0	-	67.0	48.3	18.7
10:20 PM - 10:25 PM	65.5	49.0	16.5	0.0	-	68.5	47.6	20.9
10:25 PM - 10:30 PM	64.5	48.7	15.8	0.0	-	67.5	47.7	19.8
10:30 PM - 10:35 PM	64.8	49.5	15.3	0.0	-	67.8	48.6	19.2
10:35 PM - 10:40 PM	62.5	49.6	12.9	0.0	-	65.5	48.7	16.8
10:40 PM - 10:45 PM	62.7	49.6	13.1	0.0	-	65.7	48.6	17.1
10:45 PM - 10:50 PM	61.7	50.2	11.5	0.5	-	64.2	48.5	15.5
10:50 PM - 10:55 PM	62.0	49.5	12.5	0.0	-	65.0	47.6	17.4
10:55 PM - 11:00 PM	62.5	48.9	13.6	0.0	-	65.5	47.5	18.0
11:00 PM - 11:05 PM	61.3	48.7	12.6	0.0	-	64.3	47.8	16.5
11:05 PM - 11:10 PM	62.2	49.1	13.3	0.0	-	65.2	48.1	17.1
11:10 PM - 11:15 PM	48.8	48.1	13.2	0.0	-	65.0	47.9	17.2
11:15 PM - 11:20 PM	62.1	49.1	13.0	0.0	-	65.1	48.6	16.5
11:20 PM - 11:25 PM	60.6	49.1	11.5	0.5	-	63.1	47.9	15.2
11:25 PM - 11:30 PM	60.8	48.2	12.6	0.0	-	63.8	47.4	16.4
11:30 PM - 11:35 PM	62.3	14.2	10.2	0.0	-	62.8	47.4	17.9
11:35 PM - 11:40 PM	61.6	50.3	11.3	0.5	-	64.1	47.4	16.7
11:40 PM - 11:45 PM	62.1	51.3	10.8	0.5	-	64.6	47.8	16.8
11:45 PM - 11:50 PM	62.4	50.5	11.9	0.5	-	64.9	48.7	16.6
11:50 PM - 11:55 PM	61.2	51.5	9.7	0.5	-	63.5	48.4	15.3
11:55 PM - 12:00 AM	60.1	54.8	5.3	1.5	-	61.6	47.0	14.6
12:00 AM - 12:05 AM	62.3	54.0	8.3	0.5	-	64.8	47.5	17.1
12:05 AM - 12:10 AM	62.4	48.5	13.9	0.0	-	65.4	47.5	17.9
12:10 AM - 12:15 AM	60.7	13.6	12.6	0.0	-	62.7	47.6	18.7
12:15 AM - 12:20 AM	60.6	48.6	12.0	0.5	-	63.1	47.9	15.2
12:20 AM - 12:25 AM	61.2	47.8	13.4	0.0	-	64.2	46.8	17.4
12:25 AM - 12:30 AM	61.3	48.3	13.0	0.0	-	64.3	47.6	16.7
12:30 AM - 12:35 AM	61.2	48.8	12.4	0.5	-	63.7	48.1	15.6
12:35 AM - 12:40 AM	61.7	49.4	12.3	0.5	-	64.3	48.3	15.8



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpore, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. 2397466-26
Parameter เลื่อนรถขน
Location ตำบลเพ็ญโฉมชลประทาน (GPS 47P 0727619, 1433056)
Measurement Date Aug 26 - 27, 2023
Measurement by Sawai Tonpho
Sound Level Meter 623392

เวลา	เสียงจากแหล่งกำเนิด ^(a)	เสียงขณะไม่มีการขนถ่าย ^(b)	ระดับเสียง (dB(A))		ปรับค่าเสียงจากแหล่งกำเนิด ^(c)	เสียงที่ฐาน ^(d,e)	ค่าการขนถ่าย ^(f)	
			ผลต่างระดับเสียง	ตัวปรับค่า				
12:40 AM - 12:45 AM	60.8	50.1	10.7	0.5	-	63.3	49.2	14.1
12:45 AM - 12:50 AM	62.0	51.4	10.6	0.5	-	64.5	50.6	13.9
12:50 AM - 12:55 AM	61.6	55.4	6.2	1.5	-	63.1	49.4	13.7
12:55 AM - 01:00 AM	60.5	55.4	5.1	1.5	-	62.0	48.5	13.5
01:00 AM - 01:05 AM	61.1	53.8	7.3	1.0	-	63.1	49.3	15.3
01:05 AM - 01:10 AM	60.0	48.9	11.1	0.5	-	62.5	48.1	14.4
01:10 AM - 01:15 AM	61.1	49.7	11.4	0.5	-	63.6	48.6	15.0
01:15 AM - 01:20 AM	59.8	49.7	10.1	0.5	-	62.3	48.7	12.6
01:20 AM - 01:25 AM	61.1	48.3	12.8	0.0	-	64.1	47.2	16.7
01:25 AM - 01:30 AM	59.9	47.9	12.0	0.5	-	62.4	47.2	15.5
01:30 AM - 01:35 AM	61.2	47.9	13.3	0.0	-	64.2	47.1	17.1
01:35 AM - 01:40 AM	60.8	48.0	12.8	0.0	-	63.8	47.3	16.5
01:40 AM - 01:45 AM	63.0	48.3	14.7	0.0	-	66.0	47.5	18.6
01:45 AM - 01:50 AM	62.2	49.2	13.0	0.0	-	65.2	48.6	16.6
01:50 AM - 01:55 AM	66.8	49.6	17.2	0.0	-	69.8	48.7	21.1
01:55 AM - 02:00 AM	63.5	50.1	13.4	0.0	-	66.5	49.2	17.3
02:00 AM - 02:05 AM	63.5	49.1	14.4	0.0	-	66.5	48.0	18.5
02:05 AM - 02:10 AM	62.5	48.7	13.8	0.0	-	65.5	48.6	17.5
02:10 AM - 02:15 AM	60.3	48.0	12.3	0.5	-	62.8	47.2	15.6
02:15 AM - 02:20 AM	62.1	49.2	12.9	0.0	-	65.1	48.0	17.1
02:20 AM - 02:25 AM	60.7	51.4	9.3	0.5	-	63.2	49.0	14.2
02:25 AM - 02:30 AM	61.4	50.6	10.8	0.5	-	63.9	49.1	14.3
02:30 AM - 02:35 AM	59.8	50.0	9.8	0.5	-	62.3	49.1	13.2
02:35 AM - 02:40 AM	59.7	49.9	9.8	0.5	-	62.2	48.7	13.5
02:40 AM - 02:45 AM	60.5	48.9	11.6	0.5	-	63.0	48.2	14.8
02:45 AM - 02:50 AM	61.2	49.4	11.8	0.5	-	63.7	48.2	14.9
02:50 AM - 02:55 AM	60.1	49.4	10.7	0.5	-	62.6	48.8	13.8
02:55 AM - 03:00 AM	61.3	49.3	12.0	0.5	-	63.8	48.3	15.5
03:00 AM - 03:05 AM	61.5	49.5	12.0	0.5	-	64.0	48.6	15.4
03:05 AM - 03:10 AM	60.6	48.6	12.0	0.5	-	63.1	47.8	15.9
03:10 AM - 03:15 AM	58.2	48.5	9.7	0.5	-	60.7	47.8	12.2
03:15 AM - 03:20 AM	59.1	48.7	10.4	0.5	-	61.6	47.5	14.1
03:20 AM - 03:25 AM	59.6	49.8	9.8	0.5	-	62.1	49.0	13.1
03:25 AM - 03:30 AM	59.3	48.9	10.4	0.5	-	61.8	47.8	14.0
03:30 AM - 03:35 AM	57.0	48.7	8.3	0.5	-	59.5	47.8	11.7
03:35 AM - 03:40 AM	57.0	49.1	7.9	0.5	-	59.5	47.2	12.3
03:40 AM - 03:45 AM	57.0	48.9	8.1	0.5	-	59.5	47.5	12.0
03:45 AM - 03:50 AM	57.0	48.2	8.8	0.5	-	59.5	47.6	11.9
03:50 AM - 03:55 AM	57.0	61.6	-4.6	7.0	-	53.0	47.8	12.0
03:55 AM - 04:00 AM	57.0	48.6	8.4	0.5	-	59.5	47.4	12.1

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpore, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. 2397466-27
Parameter เลื่อนรถขน
Location ตำบลเพ็ญโฉมชลประทาน (GPS 47P 0727619, 1433056)
Measurement Date Aug 27 - 28, 2023
Measurement by Sawai Tonpho
Sound Level Meter 623392

ระดับเสียง (dB(A))								
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขน	ผลต่างระดับเสียง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงที่ฐาน	ค่าเสียงการขน
					เวลาจริง	ค่าเสียง		
02:00 PM - 03:00 PM	60.8	57.3	3.5	2.0	58.8	-	50.4	8.4
03:00 PM - 04:00 PM	61.0	52.2	8.8	0.5	60.5	-	49.4	11.1
04:00 PM - 05:00 PM	60.2	50.7	9.5	0.5	59.7	-	48.0	11.7
05:00 PM - 06:00 PM	61.3	53.1	8.2	0.5	60.8	-	48.5	12.3
06:00 PM - 07:00 PM	62.9	51.5	11.4	0.5	62.4	-	49.6	12.8
07:00 PM - 08:00 PM	62.8	53.4	9.4	0.5	62.3	-	49.2	13.1
08:00 PM - 09:00 PM	62.2	57.3	4.9	1.5	60.7	-	49.9	10.9
09:00 PM - 10:00 PM	61.8	50.7	11.6	0.5	61.3	-	48.4	12.9
10:00 PM - 10:05 PM	62.1	49.6	12.5	0.0	-	65.1	48.0	17.1
10:05 PM - 10:10 PM	60.0	49.9	10.1	0.5	-	62.5	47.9	14.6
10:10 PM - 10:15 PM	60.0	49.4	10.6	0.5	-	62.5	47.5	14.5
10:15 PM - 10:20 PM	61.1	50.3	10.8	0.5	-	63.6	48.3	15.3
10:20 PM - 10:25 PM	59.6	49.0	10.6	0.5	-	62.1	47.6	14.5
10:25 PM - 10:30 PM	59.6	48.7	10.9	0.5	-	62.1	47.7	14.4
10:30 PM - 10:35 PM	60.4	49.5	10.9	0.5	-	62.9	48.7	14.3
10:35 PM - 10:40 PM	60.4	49.6	10.8	0.5	-	62.9	48.7	14.2
10:40 PM - 10:45 PM	59.5	49.6	9.9	0.5	-	62.0	48.6	13.4
10:45 PM - 10:50 PM	60.9	50.2	10.7	0.5	-	63.4	48.7	14.7
10:50 PM - 10:55 PM	60.0	49.5	10.5	0.5	-	63.5	47.6	14.9
10:55 PM - 11:00 PM	60.7	48.9	11.8	0.5	-	63.2	47.5	15.7
11:00 PM - 11:05 PM	59.4	48.7	10.7	0.5	-	61.9	47.8	14.1
11:05 PM - 11:10 PM	60.7	49.1	11.6	0.5	-	63.2	48.1	15.1
11:10 PM - 11:15 PM	59.4	48.9	10.5	0.5	-	61.9	47.9	14.0
11:15 PM - 11:20 PM	61.1	49.1	12.0	0.5	-	63.6	48.6	15.0
11:20 PM - 11:25 PM	59.7	49.1	10.6	0.5	-	62.7	47.9	14.3
11:25 PM - 11:30 PM	60.7	48.2	12.5	0.0	-	63.7	47.4	16.3
11:30 PM - 11:35 PM	59.8	48.1	11.7	0.5	-	62.3	47.4	14.9
11:35 PM - 11:40 PM	60.3	50.5	12.0	0.5	-	64.8	47.2	17.9
11:40 PM - 11:45 PM	61.9	51.3	10.6	0.5	-	64.4	47.8	16.6
11:45 PM - 11:50 PM	61.1	50.5	10.6	0.5	-	63.6	48.7	14.9
11:50 PM - 11:55 PM	59.7	51.5	8.2	0.5	-	62.2	48.4	13.8
11:55 PM - 12:00 AM	60.7	52.8	5.9	0.5	-	62.2	47.5	14.2
12:00 AM - 12:05 AM	59.3	54.0	5.3	1.5	-	60.8	47.5	13.3
12:05 AM - 12:10 AM	61.6	48.5	13.1	0.0	-	64.6	47.5	17.1
12:10 AM - 12:15 AM	59.5	49.1	10.4	0.5	-	62.0	47.0	15.0
12:15 AM - 12:20 AM	60.7	48.6	12.1	0.5	-	63.2	47.2	15.3
12:20 AM - 12:25 AM	59.4	47.8	11.6	0.5	-	61.9	46.8	15.1
12:25 AM - 12:30 AM	60.6	48.3	12.3	0.5	-	63.1	47.6	15.5
12:30 AM - 12:35 AM	59.5	48.8	10.7	0.5	-	62.0	48.1	13.9
12:35 PM - 01:00 PM	61.3	49.4	11.9	0.5	-	63.8	48.0	15.8

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpore, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. 2397466-26
Parameter เลื่อนรถขน
Location ตำบลเพ็ญโฉมชลประทาน (GPS 47P 0727619, 1433056)
Measurement Date Aug 26 - 27, 2023
Measurement by Sawai Tonpho
Sound Level Meter 623392

เวลา	ระดับเสียง (dB(A))					เสียงที่ฐาน	ค่าการชน			
	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขน	ผลต่าง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด					
					ค่าจริง			ค่าเสียง		
04:00 AM - 04:05 AM			56.9	48.7	8.2	0.5	59.4	47.6	11.8	
04:05 AM - 04:10 AM			56.9	48.8	8.1	0.5	-	59.4	47.9	11.5
04:10 AM - 04:15 AM			56.9	47.7	9.2	0.5	-	59.4	46.8	12.6
04:15 AM - 04:20 AM			59.1	47.5	11.6	0.5	-	61.6	46.6	15.0
04:20 AM - 04:25 AM			58.4	48.2	10.2	0.5	-	60.9	46.7	14.3
04:25 AM - 04:30 AM			56.9	48.6	8.3	0.5	-	59.4	47.6	11.8
04:30 AM - 04:35 AM			56.9	47.9	9.0	0.5	-	59.4	47.0	12.4
04:35 AM - 04:40 AM			56.9	47.4	9.5	0.5	-	59.4	46.5	12.9
04:40 AM - 04:45 AM			57.1	47.9	9.2	0.5	-	59.8	46.8	12.8
04:45 AM - 04:50 AM			56.9	47.8	9.1	0.5	-	59.4	46.6	12.8
04:50 AM - 04:55 AM			57.1	48.4	8.7	0.5	-	59.6	47.6	12.0
04:55 AM - 05:00 AM			57.0	55.6	1.4	7.0	-	53.0	48.5	4.5
05:00 AM - 05:05 AM			56.8	54.0	2.8	3.0	-	56.9	46.9	8.9
05:05 AM - 05:10 AM			56.9	48.5	8.4	0.5	-	59.4	46.9	12.5
05:10 AM - 05:15 AM			57.0	47.7	9.3	0.5	-	59.5	46.7	12.8
05:15 AM - 05:20 AM			57.1	49.3	7.8	0.5	-	59.6	47.3	12.3
05:20 AM - 05:25 AM			56.9	54.9	2.0	4.5	-	54.6	47.8	6.8
05:25 AM - 05:30 AM			57.1	56.2	0.9	7.0	-	53.1	48.7	4.4
05:30 AM - 05:35 AM			56.9	51.0	5.9	1.5	-	58.4	47.7	10.7
05:35 AM - 05:40 AM			57.0	50.1	6.9	1.0	-	59.0	48.4	10.6
05:40 AM - 05:45 AM			56.9	50.0	6.9	1.0	-	58.9	47.9	10.9
05:45 AM - 05:50 AM			57.1	49.8	7.3	1.0	-	59.1	47.7	11.4
05:50 AM - 05:55 AM			58.3	49.4	8.9	0.5	-	60.8	48.3	12.5
05:55 AM - 06:00 AM			58.8	52.1	6.7	1.0	-	60.8	49.0	11.8
06:00 AM - 07:00 AM			61.4	60.5	0.9	1.5	59.9	-	49.9	11.9
07:00 AM - 08:00 AM			59.9	58.1	1.8	4.5	55.4	-	51.6	3.8
08:00 AM - 09:00 AM			60.8	57.2	3.6	2.0	58.8	-	49.8	9.0
09:00 AM - 10:00 AM			60.9	54.5	6.4	1.5	59.4	-	49.3	10.1
10:00 AM - 11:00 AM			61.0	54.0	7.0	1.0	60.0	-	49.0	11.0
11:00 AM - 12:00 PM			61.3	49.8	12.4	0.5	60.8	-	46.2	14.6
12:00 PM - 01:00 PM			61.2	59.7	1.5	4.5	56.7	-	49.5	7.2
01:00 PM - 02:00 PM			62.5	59.6	2.9	3.0	59.5	-	53.5	6.0

Reference Method :

- ISO 1996-1
 - ประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่คาดการณ์การรบกวนจากโรงงาน พ.ศ. 2553
 - ประกาศกระทรวงอุตสาหกรรม เรื่อง ค่าเกณฑ์ระดับเสียงรบกวนและระดับเสียงที่คาดการณ์การรบกวนจากโรงงาน พ.ศ. 2548
 - ประกาศกระทรวงอุตสาหกรรม เรื่อง ค่าเกณฑ์มาตรฐานเสียงรบกวนที่คาดการณ์การรบกวนจากโรงงานที่เป็นแหล่งอุตสาหกรรม พ.ศ. 2561
- ระดับเสียงจากแหล่งกำเนิด พิจารณาตรวจวัด วันที่ 26-27 สิงหาคม 2566
- ระดับเสียงที่ฐานและระดับเสียงขณะไม่มีการขน (Sample No.2397467-4 วันตรวจวัด 29-30 ตุลาคม 2566)

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Approved by

Wilawan Borirak
Manager

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpore, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. 2397466-27
Parameter เลื่อนรถขน
Location ตำบลเพ็ญโฉมชลประทาน (GPS 47P 0727619, 1433056)
Measurement Date Aug 27 - 28, 2023
Measurement by Sawai Tonpho
Sound Level Meter 623392

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขนถ่าย	ระดับเสียง (dB(A))		ปรับค่าเสียงจากแหล่งกำเนิด	เสียงที่ฐาน	ค่าระดับการขนถ่าย	
			ผลต่างระดับเสียง	ตัวปรับค่า				
12:40 AM - 12:45 AM	59.1	50.1	9.0	0.5	-	61.6	49.2	12.4
12:45 AM - 12:50 AM	57.0	51.4	5.6	1.5	-	58.5	50.6	7.9
12:50 AM - 12:55 AM	58.1	55.4	2.7	3.0	-	58.4	49.4	8.8
12:55 AM - 01:00 AM	59.5	55.4	4.1	2.0	-	60.5	48.5	12.0
01:00 AM - 01:05 AM	57.6	53.8	3.8	2.0	-	58.6	47.8	10.8
01:05 AM - 01:10 AM	57.0	48.9	8.1	0.5	-	59.5	48.1	11.4
01:10 AM - 01:15 AM	56.9	49.7	7.2	1.0	-	58.6	48.0	10.6
01:15 AM - 01:20 AM	56.8	48.7	7.1	1.0	-	58.8	48.7	10.1
01:20 AM - 01:25 AM	56.8	48.3	8.5	0.5	-	59.3	47.4	11.9
01:25 AM - 01:30 AM	56.9	47.9	9.0	0.5	-	59.2	47.2	12.2
01:30 AM - 01:35 AM	56.8	47.0	9.8	0.5	-	59.1	47.1	12.0
01:35 AM - 01:40 AM	57.7	48.0	9.7	0.5	-	60.2	47.3	12.9
01:40 AM - 01:45 AM	60.0	48.3	11.7	0.5	-	62.5	47.5	15.0
01:45 AM - 01:50 AM	64.4	49.2	15.2	0.0	-	67.4	48.6	18.8
01:50 AM - 01:55 AM	69.4	51.9	17.5	0.0	-	74.7	48.7	25.7
01:55 AM - 02:00 AM	58.5	50.1	8.4	0.5	-	61.0	49.2	11.8
02:00 AM - 02:05 AM	56.9	49.1	7.8	0.5	-	59.4	48.0	11.4
02:05 AM - 02:10 AM	57.0	48.7	8.3	0.5	-	59.5	48.0	11.5
02:10 AM - 02:15 AM	56.9	48.0	8.9	0.5	-	59.4	47.2	12.2
02:15 AM - 02:20 AM	56.9	49.0	7.9	0.5	-	59.4	46.0	13.4
02:20 AM - 02:25 AM	56.8	51.4	5.4	1.5	-	58.3	49.0	9.3
02:25 AM - 02:30 AM	56.8	50.6	6.2	1.5	-	58.3	49.6	8.7
02:30 AM - 02:35 AM	56.8	50.0	6.8	1.0	-	58.8	49.1	9.7
02:35 AM - 02:40 AM	56.9	49.9	7.0	1.0	-	58.7	48.7	10.2
02:40 AM - 02:45 AM	56.9	48.9	8.0	0.5	-	59.4	48.2	11.2
02:45 AM - 02:50 AM	56.9	49.4	7.5	0.5	-	59.4	48.8	10.6
02:50 AM - 02:55 AM	56.9	49.4	7.5	0.5	-	59.4	48.8	10.6
02:55 AM - 03:00 AM	56.8	49.5	7.3	0.5	-	59.3	48.3	11.0
03:00 AM - 03:05 AM	56.8	49.5	7.3	1.0	-	58.8	48.6	10.2
03:05 AM - 03:10 AM	58.3	48.6	9.7	0.5	-	60.8	47.6	13.2
03:10 AM - 03:15 AM	58.7	48.5	10.2	0.5	-	61.2	47.8	13.4
03:15 AM - 03:20 AM	57.8	48.1	9.7	0.5	-	60.1	47.5	12.8
03:20 AM - 03:25 AM	57.8	49.8	8.0	0.5	-	60.3	49.0	11.3
03:25 AM - 03:30 AM	58.4	48.9	9.5	0.5	-	60.9	47.8	13.1
03:30 AM - 03:35 AM	59.3	48.7	10.6	0.5	-	61.8	47.8	14.0
03:35 AM - 03:40 AM	59.4	49.3	10.1	0.5	-	61.9	47.2	14.7
03:40 AM - 03:45 AM	59.5	48.9	10.6	0.5	-	62.0	47.5	14.5
03:45 AM - 03:50 AM	60.8	48.2	12.6	0.0	-	63.8	47.6	16.2
03:50 AM - 03:55 AM	60.3	61.6	-1.3	7.0	-	56.3	47.8	8.5



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangporna, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. 2397466-27
Parameter เลื่อนรอก
Location ตำบลเพ็ดเอ็งโครก (GPS 47P 0727619, 1433056)
Measurement Date Aug 27 - 28, 2023
Measurement by Sawai Tonpho
Sound Level Meter 623392

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนไม่มีการรบกวน	ระดับเสียง (dB(A))		ค่าสัมประสิทธิ์การรบกวน
			ผลต่าง	ค่าปรับ	
04:00 AM - 04:05 AM	59.4	48.7	10.7	0.5	-
04:05 AM - 04:10 AM	59.4	48.8	10.6	0.5	-
04:10 AM - 04:15 AM	59.6	47.7	11.9	0.5	-
04:15 AM - 04:20 AM	59.4	47.5	11.9	0.5	-
04:20 AM - 04:25 AM	59.4	48.2	11.2	0.5	-
04:25 AM - 04:30 AM	60.1	48.6	11.5	0.5	-
04:30 AM - 04:35 AM	61.8	47.9	13.9	0.0	-
04:35 AM - 04:40 AM	59.4	47.4	12.0	0.5	-
04:40 AM - 04:45 AM	59.4	47.9	11.5	0.5	-
04:45 AM - 04:50 AM	60.4	47.8	12.6	0.0	-
04:50 AM - 04:55 AM	62.0	48.4	13.6	0.0	-
04:55 AM - 05:00 AM	61.6	55.6	6.0	1.5	-
05:00 AM - 05:05 AM	61.8	54.0	7.8	0.5	-
05:05 AM - 05:10 AM	62.1	48.5	13.6	0.0	-
05:10 AM - 05:15 AM	61.3	47.7	13.6	0.0	-
05:15 AM - 05:20 AM	62.0	49.3	12.7	0.0	-
05:20 AM - 05:25 AM	60.9	54.9	6.0	1.5	-
05:25 AM - 05:30 AM	62.6	56.2	6.4	1.5	-
05:30 AM - 05:35 AM	61.7	51.0	10.7	0.5	-
05:35 AM - 05:40 AM	59.8	50.1	9.7	0.5	-
05:40 AM - 05:45 AM	59.5	50.0	9.5	0.5	-
05:45 AM - 05:50 AM	61.8	49.8	12.0	0.5	-
05:50 AM - 05:55 AM	61.3	49.4	11.9	0.5	-
05:55 AM - 06:00 AM	59.6	52.1	7.5	0.5	-
06:00 AM - 07:00 AM	61.5	55.4	6.1	1.5	60.0
07:00 AM - 08:00 AM	63.5	58.1	5.4	1.5	62.0
08:00 AM - 09:00 AM	62.1	57.2	4.9	1.5	60.6
09:00 AM - 10:00 AM	62.3	54.5	7.8	0.5	61.8
10:00 AM - 11:00 AM	60.7	53.8	6.9	0.5	59.7
11:00 AM - 12:00 PM	62.3	48.9	13.4	0.0	62.3
12:00 PM - 01:00 PM	58.7	59.7	-1.0	7.0	51.7
01:00 PM - 02:00 PM	60.3	59.6	0.7	7.0	53.3

Reference Method :
1. ISO 1996-1
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

หมายเหตุ :
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่ามาตรฐานเสียงรบกวนเสียงที่เกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
ระดับเสียงจากแหล่งกำเนิด พิจารณาตรวจวัด วันที่ 27-28 ตุลาคม 2566
ระดับเสียงที่ฐานและระดับเสียงรบกวนไม่มีการรบกวน (Sample No.2397467-4 ทุบโครงสร้าง 29-30 ตุลาคม 2566)

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Approved by

Wilawan Borirak
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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangporna, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. 2397466-28
Parameter เลื่อนรอก
Location ตำบลเพ็ดเอ็งโครก (GPS 47P 0727619, 1433056)
Measurement Date Aug 28 - 29, 2023
Measurement by Sawai Tonpho
Sound Level Meter 623392

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนไม่มีการรบกวน	ระดับเสียง (dB(A))		ค่าสัมประสิทธิ์การรบกวน
			ผลต่าง	ค่าปรับ	
12:40 AM - 12:45 AM	60.5	50.1	10.4	0.5	-
12:45 AM - 12:50 AM	61.7	51.4	10.3	0.5	-
12:50 AM - 12:55 AM	59.5	55.4	4.1	2.0	-
12:55 AM - 01:00 AM	60.8	55.4	5.4	1.5	-
01:00 AM - 01:05 AM	60.4	53.8	6.6	1.0	-
01:05 AM - 01:10 AM	64.9	48.9	16.0	0.0	-
01:10 AM - 01:15 AM	63.0	49.7	13.3	0.0	-
01:15 AM - 01:20 AM	59.9	49.7	10.2	0.5	-
01:20 AM - 01:25 AM	61.6	48.3	13.3	0.0	-
01:25 AM - 01:30 AM	59.6	47.9	11.7	0.5	-
01:30 AM - 01:35 AM	60.8	47.9	12.9	0.0	-
01:35 AM - 01:40 AM	59.7	48.0	11.7	0.5	-
01:40 AM - 01:45 AM	60.6	48.3	12.3	0.5	-
01:45 AM - 01:50 AM	60.3	49.2	11.1	0.5	-
01:50 AM - 01:55 AM	60.6	49.6	11.0	0.5	-
01:55 AM - 02:00 AM	60.2	50.1	10.1	0.5	-
02:00 AM - 02:05 AM	59.9	51.4	11.5	0.5	-
02:05 AM - 02:10 AM	60.5	48.7	11.8	0.5	-
02:10 AM - 02:15 AM	60.0	48.0	12.0	0.5	-
02:15 AM - 02:20 AM	60.7	49.2	11.5	0.5	-
02:20 AM - 02:25 AM	59.9	51.4	8.5	1.0	-
02:25 AM - 02:30 AM	61.6	50.6	11.0	0.5	-
02:30 AM - 02:35 AM	67.9	50.0	17.9	0.0	-
02:35 AM - 02:40 AM	66.4	49.9	16.5	0.0	-
02:40 AM - 02:45 AM	60.5	48.9	11.6	0.5	-
02:45 AM - 02:50 AM	58.7	49.4	9.3	0.5	-
02:50 AM - 02:55 AM	57.2	49.4	7.8	0.5	-
02:55 AM - 03:00 AM	57.1	48.3	7.8	0.5	-
03:00 AM - 03:05 AM	57.1	48.3	7.8	0.5	-
03:05 AM - 03:10 AM	57.1	48.6	8.5	0.5	-
03:10 AM - 03:15 AM	57.1	48.5	8.6	0.5	-
03:15 AM - 03:20 AM	57.6	48.7	8.9	0.5	-
03:20 AM - 03:25 AM	57.1	49.8	7.3	1.0	-
03:25 AM - 03:30 AM	57.0	48.9	8.1	0.5	-
03:30 AM - 03:35 AM	58.0	48.7	9.3	0.5	-
03:35 AM - 03:40 AM	57.0	49.1	7.9	0.5	-
03:40 AM - 03:45 AM	56.9	48.9	8.0	0.5	-
03:45 AM - 03:50 AM	56.9	48.2	8.7	0.5	-
03:50 AM - 03:55 AM	58.1	61.6	-3.5	7.0	-
03:55 AM - 04:00 AM	57.6	48.6	9.0	0.5	-

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangporna, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. 2397466-28
Parameter เลื่อนรอก
Location ตำบลเพ็ดเอ็งโครก (GPS 47P 0727619, 1433056)
Measurement Date Aug 28 - 29, 2023
Measurement by Sawai Tonpho
Sound Level Meter 623392

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนไม่มีการรบกวน	ระดับเสียง (dB(A))		ค่าสัมประสิทธิ์การรบกวน
			ผลต่าง	ค่าปรับ	
02:00 PM - 03:00 PM	60.6	57.3	3.3	3.0	-
03:00 PM - 04:00 PM	61.7	52.2	9.5	0.5	61.2
04:00 PM - 05:00 PM	63.0	50.7	12.3	0.5	62.5
05:00 PM - 06:00 PM	62.3	53.1	9.2	0.5	61.8
06:00 PM - 07:00 PM	61.3	51.5	9.8	0.5	60.8
07:00 PM - 08:00 PM	63.1	53.4	9.7	0.5	62.6
08:00 PM - 09:00 PM	62.6	57.3	5.3	1.5	61.1
09:00 PM - 10:00 PM	62.1	50.2	11.9	0.5	61.6
10:00 PM - 10:05 PM	63.0	49.6	13.4	0.0	-
10:05 PM - 10:10 PM	62.4	49.9	12.5	0.0	-
10:10 PM - 10:15 PM	62.3	49.4	12.9	0.0	-
10:15 PM - 10:20 PM	61.7	50.3	11.4	0.5	-
10:20 PM - 10:25 PM	63.3	49.0	14.3	0.0	-
10:25 PM - 10:30 PM	62.0	48.7	13.3	0.0	-
10:30 PM - 10:35 PM	61.6	49.5	12.1	0.5	-
10:35 PM - 10:40 PM	62.0	49.6	12.4	0.5	-
10:40 PM - 10:45 PM	61.8	49.6	12.2	0.5	-
10:45 PM - 10:50 PM	62.6	50.2	12.4	0.5	-
10:50 PM - 10:55 PM	61.0	49.5	11.5	0.5	-
10:55 PM - 11:00 PM	62.1	48.9	13.2	0.0	-
11:00 PM - 11:05 PM	61.5	48.7	12.8	0.0	-
11:05 PM - 11:10 PM	60.7	49.1	11.6	0.5	-
11:10 PM - 11:15 PM	62.7	48.9	13.8	0.0	-
11:15 PM - 11:20 PM	62.0	49.1	12.9	0.0	-
11:20 PM - 11:25 PM	61.3	49.1	12.2	0.5	-
11:25 PM - 11:30 PM	63.8	48.2	15.6	0.0	-
11:30 PM - 11:35 PM	65.1	48.1	17.0	0.0	-
11:35 PM - 11:40 PM	64.7	50.3	14.4	0.0	-
11:40 PM - 11:45 PM	63.8	51.3	12.5	0.0	-
11:45 PM - 11:50 PM	60.7	50.5	10.2	0.5	-
11:50 PM - 11:55 PM	61.0	51.5	9.5	0.5	-
11:55 PM - 12:00 AM	61.9	54.8	7.1	1.0	-
12:00 AM - 12:05 AM	62.0	54.0	8.0	0.5	-
12:05 AM - 12:10 AM	61.3	48.5	12.8	0.0	-
12:10 AM - 12:15 AM	61.5	49.1	12.4	0.5	-
12:15 AM - 12:20 AM	61.1	48.6	12.5	0.0	-
12:20 AM - 12:25 AM	61.2	47.8	13.4	0.0	-
12:25 AM - 12:30 AM	61.4	48.3	13.1	0.0	-
12:30 AM - 12:35 AM	60.0	48.8	11.2	0.5	-
12:35 AM - 12:40 AM	61.5	49.4	12.1	0.5	-

หมายเหตุ :
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

หมายเหตุ :
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่ามาตรฐานเสียงรบกวนเสียงที่เกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
ระดับเสียงจากแหล่งกำเนิด พิจารณาตรวจวัด วันที่ 28-29 ตุลาคม 2566
ระดับเสียงที่ฐานและระดับเสียงรบกวนไม่มีการรบกวน (Sample No.2397467-4 ทุบโครงสร้าง 29-30 ตุลาคม 2566)

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangporna, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. 2397466-28
Parameter เลื่อนรอก
Location ตำบลเพ็ดเอ็งโครก (GPS 47P 0727619, 1433056)
Measurement Date Aug 28 - 29, 2023
Measurement by Sawai Tonpho
Sound Level Meter 623392

Sound Level Meter		ระดับเสียง (dB(A))		ปรับค่าเสียงจากแหล่งกำเนิด		เสียงรบกวน	ค่าสัมประสิทธิ์การรบกวน	
เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนไม่มีการรบกวน	ผลต่าง	ค่าปรับ	การแก้ไข	การแก้ไข		
04:00 AM - 04:05 AM	59.0	48.7	10.3	0.5	-	61.5	47.6	13.9
04:05 AM - 04:10 AM	57.0	48.8	8.2	0.5	-	59.5	47.9	11.6
04:10 AM - 04:15 AM	57.9	47.7	10.2	0.5	-	60.4	46.8	13.6
04:15 AM - 04:20 AM	57.0	47.5	9.5	0.5	-	59.5	46.6	12.9
04:20 AM - 04:25 AM	56.9	48.2	8.7	0.5	-	59.4	46.7	12.7
04:25 AM - 04:30 AM	56.9	48.6	8.3	0.5	-	59.4	47.6	11.8
04:30 AM - 04:35 AM	57.0	47.9	9.1	0.5	-	59.5	47.7	12.0
04:35 AM - 04:40 AM	57.1	47.4	9.7	0.5	-	59.6	46.5	13.1
04:40 AM - 04:45 AM	57.0	47.8	9.2	0.5	-	59.5	46.8	12.7
04:45 AM - 04:50 AM	57.1	47.8	9.3	0.5	-	59.6	46.6	13.0
04:50 AM - 04:55 AM	56.9	48.4	8.5	0.5	-	59.4	46.7	12.8
04:55 AM - 05:00 AM	57.0	55.6	1.4	7.0	-	53.0	48.5	4.5
05:00 AM - 05:05 AM	56.9	54.0	2.9	3.0	-	56.9	46.9	10.0
05:05 AM - 05:10 AM	58.2	48.5	9.7	0.5	-	60.7	46.9	13.8
05:10 AM - 05:15 AM	57.1	47.7	9.4	0.5	-	59.6	46.7	12.9
05:15 AM - 05:20 AM	57.3	49.3	8.0	0.5	-	59.8	47.3	12.5
05:20 AM - 05:25 AM	57.5	54.9	2.6	3.0	-	57.5	47.6	9.9
05:25 AM - 05:30 AM	58.2	56.2	2.0	4.5	-	56.7	48.7	8.0
05:30 AM - 05:35 AM	57.2	51.0	6.2	1.5	-	56.7	47.7	11.0
05:35 AM - 05:40 AM	57.5	50.1	7.4	1.0	-	59.5	48.4	11.1
05:40 AM - 05:45 AM	57.4	50.0	7.4	1.0	-	59.4	47.9	11.5
05:45 AM - 05:50 AM	57.5	49.8	7.7	0.5	-	60.0	47.7	12.3
05:50 AM - 05:55 AM	57.9	49.4	8.5	0.5	-	60.4	48.3	12.1
05:55 AM - 06:00 AM	57.5	52.1	5.4	1.5	-	59.0	49.0	10.0
06:00 AM - 07:00 AM	61.0	55.4	5.6	1.5	59.5	-	49.5	9.6
07:00 AM - 08:00 AM	59.3	58.1	1.2	7.0	52.3	-	51.6	0.7
08:00 AM - 09:00 AM	60.6	57.2	3.4	7.0	51.6	-	49.8	8.8
09:00 AM - 10:00 AM	60.7	54.5	6.2	1.5	59.2	-	49.3	9.9
10:00 AM - 11:00 AM	60.1	54.0	6.1	1.5	58.6	-	49.0	9.6
11:00 AM - 12:00 PM	61.9	59.8	2.1	6.5	60.5	-	56.2	14.3
12:00 PM - 01:00 PM	59.7	59.5	0.2	1.8	57.9	-	49.5	7.5
01:00 PM - 02:00 PM	62.1	59.6	2.5	3.0	59.1	-	53.5	5.6



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpore, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-29
Parameter : เสียงรบกวน
Location : บ้านพักโรงงาน (N1) (GPS 47P 0723882, 1430972)
Measurement Date : Aug 22 - 23, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 00900073

เวลา	ระดับเสียง (dB(A))						เสียงพื้นฐาน	ค่าระดับการรบกวน
	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ผลต่างระดับเสียง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด			
					กลางวัน	กลางคืน		
11:00 AM - 12:00 PM	65.1	56.0	9.1	0.5	64.6	-	39.7	24.9
12:00 PM - 01:00 PM	64.6	59.8	4.8	1.5	63.1	-	48.4	14.7
01:00 PM - 02:00 PM	58.6	58.7	-0.1	7.0	51.6	-	47.7	3.9
02:00 PM - 03:00 PM	63.1	61.4	1.7	4.5	58.6	-	53.3	5.3
03:00 PM - 04:00 PM	66.7	59.2	7.5	0.5	66.2	-	53.8	12.4
04:00 PM - 05:00 PM	62.2	59.5	2.7	3.0	59.2	-	45.7	13.5
05:00 PM - 06:00 PM	59.5	59.2	0.3	7.0	52.5	-	45.3	7.2
06:00 PM - 07:00 PM	57.0	56.5	0.5	7.0	50.0	-	45.3	4.7
07:00 PM - 08:00 PM	57.9	56.4	1.5	4.5	53.4	-	44.6	8.8
08:00 PM - 09:00 PM	56.0	54.7	1.3	7.0	49.0	-	43.2	5.8
09:00 PM - 10:00 PM	74.2	52.4	21.8	0.0	74.2	-	41.6	32.6
10:00 PM - 10:05 PM	58.6	51.4	7.2	1.0	-	60.6	42.5	18.1
10:05 PM - 10:10 PM	59.3	48.8	10.5	0.5	-	61.8	41.2	20.6
10:10 PM - 10:15 PM	57.7	54.1	3.6	2.0	-	58.7	41.1	17.6
10:15 PM - 10:20 PM	53.8	45.0	8.8	0.5	-	56.3	40.5	15.8
10:20 PM - 10:25 PM	52.4	39.6	12.8	7.0	-	48.4	42.5	5.9
10:25 PM - 10:30 PM	53.1	53.0	0.1	7.0	-	49.1	41.1	8.0
10:30 PM - 10:35 PM	53.8	52.5	1.3	7.0	-	49.8	42.0	7.8
10:35 PM - 10:40 PM	55.0	50.8	4.2	2.0	-	56.0	41.3	14.7
10:40 PM - 10:45 PM	49.9	51.6	-1.7	7.0	-	45.9	41.2	4.7
10:45 PM - 10:50 PM	53.6	49.5	4.1	2.0	-	54.6	42.3	12.3
10:50 PM - 10:55 PM	49.6	48.5	1.1	7.0	-	45.6	41.3	4.3
10:55 PM - 11:00 PM	47.5	49.6	-2.1	7.0	-	43.5	40.9	2.6
11:00 PM - 11:05 PM	48.3	48.5	-0.2	7.0	-	44.3	41.1	3.2
11:05 PM - 11:10 PM	48.6	53.4	-4.8	7.0	-	44.6	41.6	3.0
11:10 PM - 11:15 PM	55.6	58.9	-3.3	7.0	-	51.6	42.4	9.2
11:15 PM - 11:20 PM	54.2	51.3	2.9	3.0	-	54.2	40.1	14.1
11:20 PM - 11:25 PM	50.8	49.7	1.1	3.0	-	46.8	40.3	6.5
11:25 PM - 11:30 PM	55.5	50.7	4.8	1.5	-	57.0	40.6	16.4
11:30 PM - 11:35 PM	51.2	48.2	3.0	3.0	-	51.2	40.7	10.5
11:35 PM - 11:40 PM	64.7	47.1	17.6	0.0	-	67.7	41.2	26.5
11:40 PM - 11:45 PM	50.8	50.5	0.3	7.0	-	46.8	40.6	6.0
11:45 PM - 11:50 PM	50.3	53.7	-3.4	7.0	-	46.3	40.4	5.9
11:50 PM - 11:55 PM	49.5	40.4	9.1	0.5	-	52.0	39.1	12.9
11:55 PM - 12:00 AM	46.7	39.9	6.8	1.0	-	48.7	36.9	9.8
12:00 AM - 12:05 AM	46.6	41.9	4.7	1.5	-	48.1	39.7	8.4
12:05 AM - 12:10 AM	46.7	48.6	-1.9	7.0	-	42.7	39.4	3.3
12:10 AM - 12:15 AM	49.8	44.7	5.1	1.5	-	51.3	39.7	11.6
12:15 AM - 12:20 AM	47.9	51.1	-3.2	7.0	-	43.9	39.9	4.0
12:20 AM - 12:25 AM	51.1	43.7	7.4	1.0	-	53.1	39.0	14.1

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpore, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-29
Parameter : เสียงรบกวน
Location : บ้านพักโรงงาน (N1) (GPS 47P 0723882, 1430972)
Measurement Date : Aug 22 - 23, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 00900073

ระดับเสียง (dB(A))								
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ผลต่างระดับเสียง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับการรบกวน
					กลางวัน	กลางคืน		
03:45 AM - 03:50 AM	55.2	56.1	-0.9	7.0	-	51.2	35.5	15.7
03:50 AM - 03:55 AM	59.4	58.6	0.8	0.0	-	62.4	37.0	25.4
03:55 AM - 04:00 AM	45.9	43.6	2.3	4.5	-	44.4	37.4	7.0
04:00 AM - 04:05 AM	44.9	43.0	1.9	4.5	-	43.4	36.4	7.0
04:05 AM - 04:10 AM	45.0	45.3	-0.3	7.0	-	41.0	36.5	4.5
04:10 AM - 04:15 AM	49.7	47.8	1.9	4.5	-	48.2	37.2	11.0
04:15 AM - 04:20 AM	47.3	38.5	8.8	0.5	-	49.8	37.3	12.5
04:20 AM - 04:25 AM	63.1	46.2	16.9	0.0	-	66.1	37.7	28.4
04:25 AM - 04:30 AM	54.0	37.5	16.5	0.0	-	57.0	36.1	20.9
04:30 AM - 04:35 AM	47.9	37.5	10.4	0.5	-	50.4	36.3	14.1
04:35 AM - 04:40 AM	50.3	50.8	-0.5	7.0	-	46.3	36.7	9.6
04:40 AM - 04:45 AM	48.9	39.0	9.9	0.5	-	51.4	36.4	15.0
04:45 AM - 04:50 AM	46.7	50.4	-3.7	7.0	-	42.7	37.8	4.9
04:50 AM - 04:55 AM	47.3	53.1	-5.8	7.0	-	43.3	37.9	5.4
04:55 AM - 05:00 AM	42.9	49.4	-6.5	7.0	-	38.9	37.5	1.4
05:00 AM - 05:05 AM	46.3	45.2	1.1	7.0	-	42.3	37.8	4.5
05:05 AM - 05:10 AM	48.6	44.6	4.0	2.0	-	49.6	37.9	11.7
05:10 AM - 05:15 AM	50.4	47.0	3.4	3.0	-	50.4	39.0	11.4
05:15 AM - 05:20 AM	46.0	52.5	-6.5	7.0	-	42.0	39.0	3.0
05:20 AM - 05:25 AM	54.8	53.1	1.7	4.5	-	53.3	39.8	13.5
05:25 AM - 05:30 AM	55.8	47.5	8.3	0.5	-	58.3	39.0	19.3
05:30 AM - 05:35 AM	55.0	49.1	5.9	1.5	-	56.5	39.6	16.9
05:35 AM - 05:40 AM	52.3	53.5	-1.2	7.0	-	48.3	39.7	8.6
05:40 AM - 05:45 AM	51.6	54.5	-2.9	7.0	-	47.6	40.7	6.9
05:45 AM - 05:50 AM	53.7	48.2	5.5	1.5	-	53.2	41.0	14.2
05:50 AM - 05:55 AM	51.1	53.2	-2.1	7.0	-	47.1	43.6	3.5
05:55 AM - 06:00 AM	56.9	52.9	4.0	2.0	-	57.9	42.3	15.6
06:00 AM - 07:00 AM	58.1	57.9	0.2	7.0	51.1	-	45.5	5.6
07:00 AM - 08:00 AM	70.5	60.7	9.8	0.5	70.0	-	50.1	19.9
08:00 AM - 09:00 AM	65.4	57.6	7.8	0.5	64.9	-	43.7	21.2
09:00 AM - 10:00 AM	59.2	57.9	1.3	7.0	52.3	-	41.7	10.5
10:00 AM - 11:00 AM	58.3	57.1	1.2	7.0	51.3	-	42.5	8.8

Reference Method :
1. ISO 1996-1
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

หมายเหตุ :
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานเสียงที่เกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
ระดับเสียงรบกวนที่วัดได้ ระหว่างเวลา 22-23 ตุลาคม 2566
ระดับเสียงที่วัดได้และระดับเสียงขณะไม่มีกิจกรรม (Sample No.2397467-5) วันที่ตรวจวัด 29-30 ตุลาคม 2566

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Approved by

Wiwann Borirak
Manager

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpore, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-29
Parameter : เสียงรบกวน
Location : บ้านพักโรงงาน (N1) (GPS 47P 0723882, 1430972)
Measurement Date : Aug 22 - 23, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 00900073

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ระดับเสียง (dB(A))		ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับการรบกวน
			ผลต่าง	ค่าปรับ		กลางวัน	กลางคืน		
12:25 AM - 12:30 AM	47.6	45.9	1.7	4.5	-	46.1	39.4	6.7	
12:30 AM - 12:35 AM	47.2	43.6	3.6	2.0	-	48.2	40.6	7.6	
12:35 AM - 12:40 AM	43.6	41.7	1.9	4.5	-	42.1	40.9	1.2	
12:40 AM - 12:45 AM	50.2	48.8	1.4	7.0	-	46.2	40.3	5.9	
12:45 AM - 12:50 AM	46.3	47.7	-1.4	7.0	-	42.3	39.5	2.8	
12:50 AM - 12:55 AM	51.2	46.5	4.7	1.5	-	52.7	39.2	13.5	
12:55 AM - 01:00 AM	48.2	64.6	-16.4	7.0	-	44.2	40.2	4.0	
01:00 AM - 01:05 AM	46.3	49.9	-3.6	7.0	-	42.3	39.7	2.6	
01:05 AM - 01:10 AM	46.5	48.0	-1.5	7.0	-	42.5	39.0	3.5	
01:10 AM - 01:15 AM	49.0	50.7	-1.7	7.0	-	45.0	39.7	5.3	
01:15 AM - 01:20 AM	46.3	48.9	-2.6	7.0	-	42.3	39.5	2.8	
01:20 AM - 01:25 AM	46.3	40.0	6.3	1.5	-	46.8	39.4	7.4	
01:25 AM - 01:30 AM	47.6	53.3	-5.7	7.0	-	43.6	40.0	3.6	
01:30 AM - 01:35 AM	47.8	50.9	-3.1	7.0	-	43.8	39.7	4.1	
01:35 AM - 01:40 AM	45.5	45.6	-0.1	7.0	-	41.5	39.3	2.2	
01:40 AM - 01:45 AM	51.2	44.9	6.3	1.5	-	52.7	39.6	13.1	
01:45 AM - 01:50 AM	45.2	46.3	-1.1	7.0	-	41.2	39.8	1.4	
01:50 AM - 01:55 AM	52.5	46.5	6.0	1.5	-	54.0	39.5	14.5	
01:55 AM - 02:00 AM	56.4	49.2	7.2	1.0	-	58.4	39.7	18.7	
02:00 AM - 02:05 AM	45.2	41.0	4.2	2.0	-	46.2	39.0	7.2	
02:05 AM - 02:10 AM	58.0	45.7	12.3	0.5	-	60.5	37.5	23.0	
02:10 AM - 02:15 AM	47.7	40.0	7.7	0.5	-	50.2	38.0	12.2	
02:15 AM - 02:20 AM	46.9	46.1	0.8	7.0	-	42.9	37.1	5.8	
02:20 AM - 02:25 AM	54.9	42.5	12.4	0.5	-	57.4	37.2	20.2	
02:25 AM - 02:30 AM	46.9	43.9	3.0	3.0	-	46.9	37.2	9.7	
02:30 AM - 02:35 AM	50.3	39.0	11.3	0.5	-	52.8	37.7	15.1	
02:35 AM - 02:40 AM	60.6	38.2	22.4	0.0	-	63.6	37.2	26.4	
02:40 AM - 02:45 AM	56.7	52.8	3.9	2.0	-	57.7	37.2	20.5	
02:45 AM - 02:50 AM	51.4	38.6	12.8	0.0	-	54.4	37.3	17.1	
02:50 AM - 02:55 AM	44.5	40.3	4.2	2.0	-	45.5	37.8	7.7	
02:55 AM - 03:00 AM	46.7	40.9	5.8	1.5	-	48.2	37.8	10.4	
03:00 AM - 03:05 AM	51.8	39.6	12.2	0.5	-	54.7	37.8	16.5	
03:05 AM - 03:10 AM	44.8	40.0	4.8	1.5	-	46.3	37.6	8.7	
03:10 AM - 03:15 AM	49.2	55.5	-6.3	7.0	-	45.2	36.0	9.2	
03:15 AM - 03:20 AM	55.1	39.7	15.4	0.0	-	58.1	36.4	21.5	
03:20 AM - 03:25 AM	51.2	42.0	9.2	0.5	-	53.7	37.0	16.7	
03:25 AM - 03:30 AM	51.1	39.9	11.2	0.5	-	53.6	37.5	16.1	
03:30 AM - 03:35 AM	51.6	40.8	10.8	0.5	-	54.1	37.1	17.0	
03:35 AM - 03:40 AM	47.2	51.0	-3.8	0.5	-	45.9	38.1	24.1	
03:40 AM - 03:45 AM	49.5	40.6	8.9	0.5	-	52.0	35.4	16.6	



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpore, A. Phukdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. 2397466-30
Parameter เสียงรบกวน
Location บ้านพักในย่าน (N1) (GPS 47P 0723882, 1430972)
Measurement Date Aug 23 - 24, 2023
Measurement by Sawai Tompho
Sound Level Meter 00900073

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		ค่าเฉลี่ยรวมการรบกวน
			ผลต่าง	ค่าปรับ	
12:25 AM - 12:30 AM	44.7	45.9	-1.2	7.0	40.7
12:30 AM - 12:35 AM	54.6	43.6	11.0	0.5	57.1
12:35 AM - 12:40 AM	61.5	41.7	19.8	0.0	64.5
12:40 AM - 12:45 AM	59.5	48.8	10.7	0.5	62.0
12:45 AM - 12:50 AM	65.3	47.7	17.6	0.0	68.3
12:50 AM - 12:55 AM	56.1	46.5	9.6	0.5	58.6
12:55 AM - 01:00 AM	53.4	44.6	-11.2	7.0	49.4
01:00 AM - 01:05 AM	51.8	49.9	-1.9	4.5	50.3
01:05 AM - 01:10 AM	45.7	48.0	-2.3	7.0	41.7
01:10 AM - 01:15 AM	46.2	50.7	-4.5	7.0	42.2
01:15 AM - 01:20 AM	51.7	48.9	2.8	3.0	51.7
01:20 AM - 01:25 AM	59.1	40.0	19.1	0.0	62.1
01:25 AM - 01:30 AM	61.5	53.3	8.2	0.5	64.0
01:30 AM - 01:35 AM	55.8	50.9	4.9	1.5	57.3
01:35 AM - 01:40 AM	56.4	45.6	10.8	0.5	58.9
01:40 AM - 01:45 AM	57.4	44.9	12.5	0.0	60.4
01:45 AM - 01:50 AM	63.6	46.3	17.3	0.0	66.6
01:50 AM - 01:55 AM	50.2	46.5	3.7	2.0	51.2
01:55 AM - 02:00 AM	47.9	49.2	-1.3	7.0	43.9
02:00 AM - 02:05 AM	46.8	41.0	5.8	1.5	48.3
02:05 AM - 02:10 AM	41.9	45.7	-3.8	7.0	37.9
02:10 AM - 02:15 AM	42.7	40.0	2.7	3.0	42.7
02:15 AM - 02:20 AM	48.2	46.1	2.1	4.5	46.7
02:20 AM - 02:25 AM	52.8	42.5	10.3	0.5	55.3
02:25 AM - 02:30 AM	49.0	43.9	5.1	1.5	50.5
02:30 AM - 02:35 AM	49.5	39.0	10.5	0.5	52.0
02:35 AM - 02:40 AM	49.6	38.2	11.4	0.5	52.1
02:40 AM - 02:45 AM	48.7	32.8	15.9	0.0	44.7
02:45 AM - 02:50 AM	53.2	36.6	16.6	0.0	56.2
02:50 AM - 02:55 AM	55.6	40.3	15.3	0.0	58.6
02:55 AM - 03:00 AM	51.3	40.9	10.4	0.5	53.8
03:00 AM - 03:05 AM	60.4	38.6	21.8	0.0	63.4
03:05 AM - 03:10 AM	48.7	40.0	8.7	0.5	51.2
03:10 AM - 03:15 AM	59.7	55.5	4.2	2.0	60.7
03:15 AM - 03:20 AM	51.7	39.7	12.0	0.5	54.2
03:20 AM - 03:25 AM	55.6	42.0	13.6	0.0	58.6
03:25 AM - 03:30 AM	52.7	39.9	12.8	0.0	55.7
03:30 AM - 03:35 AM	59.5	40.8	18.7	0.0	62.5
03:35 AM - 03:40 AM	54.3	47.2	7.1	1.0	56.3
03:40 AM - 03:45 AM	52.5	40.6	11.9	0.5	55.0

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpore, A. Phukdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. 2397466-31
Parameter เสียงรบกวน
Location บ้านพักในย่าน (N1) (GPS 47P 0723882, 1430972)
Measurement Date Aug 24 - 25, 2023
Measurement by Sawai Tompho
Sound Level Meter 00900073

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		ค่าเฉลี่ยรวมการรบกวน
			ผลต่าง	ค่าปรับ	
11:50 AM - 12:00 PM	56.9	56.0	0.9	7.0	49.9
12:00 PM - 01:00 PM	57.6	59.6	-2.0	7.0	50.6
01:00 PM - 02:00 PM	60.9	58.7	2.2	4.5	56.4
02:00 PM - 03:00 PM	56.6	61.4	-4.8	7.0	49.6
03:00 PM - 04:00 PM	56.7	59.2	-2.5	7.0	49.7
04:00 PM - 05:00 PM	57.0	59.5	-2.5	7.0	50.0
05:00 PM - 06:00 PM	57.9	59.2	-1.3	7.0	50.9
06:00 PM - 07:00 PM	59.4	59.4	0.0	3.0	56.4
07:00 PM - 08:00 PM	57.7	56.4	1.3	7.0	50.7
08:00 PM - 09:00 PM	59.0	54.7	4.3	2.0	57.0
09:00 PM - 10:00 PM	56.8	52.4	4.4	2.0	54.8
10:00 PM - 10:05 PM	52.3	52.0	0.3	4.5	48.3
10:05 PM - 10:10 PM	54.6	48.8	5.8	1.5	56.1
10:10 PM - 10:15 PM	51.1	54.1	-3.0	7.0	47.1
10:15 PM - 10:20 PM	52.5	45.0	7.5	0.5	55.0
10:20 PM - 10:25 PM	51.5	59.6	-8.1	7.0	47.5
10:25 PM - 10:30 PM	44.8	53.0	-8.2	7.0	40.8
10:30 PM - 10:35 PM	50.5	52.5	-2.0	7.0	46.5
10:35 PM - 10:40 PM	47.5	50.8	-3.3	7.0	43.5
10:40 PM - 10:45 PM	46.3	51.4	-5.1	7.0	42.3
10:45 PM - 10:50 PM	48.3	49.5	-1.2	7.0	45.4
10:50 PM - 10:55 PM	54.4	48.5	5.9	1.5	55.9
10:55 PM - 11:00 PM	46.5	49.6	-3.1	7.0	42.5
11:00 PM - 11:05 PM	54.9	48.5	6.4	1.5	56.4
11:05 PM - 11:10 PM	45.3	53.4	-8.1	7.0	41.3
11:10 PM - 11:15 PM	46.5	58.9	-12.4	7.0	42.5
11:15 PM - 11:20 PM	43.1	51.3	-8.2	7.0	39.1
11:20 PM - 11:25 PM	48.8	49.7	-0.9	7.0	44.8
11:25 PM - 11:30 PM	55.0	50.7	4.3	2.0	56.0
11:30 PM - 11:35 PM	47.3	48.2	-0.9	7.0	43.3
11:35 PM - 11:40 PM	51.5	47.1	4.4	2.0	52.5
11:40 PM - 11:45 PM	50.1	49.0	1.1	4.5	46.1
11:45 PM - 11:50 PM	45.6	53.7	-8.1	7.0	41.6
11:50 PM - 11:55 PM	41.8	40.4	1.4	7.0	37.8
11:55 PM - 12:00 AM	44.9	39.9	5.0	1.5	46.4
12:00 AM - 12:05 AM	56.2	41.9	14.3	0.0	59.2
12:05 AM - 12:10 AM	44.6	48.6	-2.2	7.0	42.4
12:10 AM - 12:15 AM	47.2	44.7	2.5	3.0	47.2
12:15 AM - 12:20 AM	52.7	51.1	1.6	4.5	51.2
12:20 AM - 12:25 AM	47.3	43.7	3.6	2.0	48.3

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpore, A. Phukdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. 2397466-30
Parameter เสียงรบกวน
Location บ้านพักในย่าน (N1) (GPS 47P 0723882, 1430972)
Measurement Date Aug 23 - 24, 2023
Measurement by Sawai Tompho
Sound Level Meter 00900073

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		ค่าเฉลี่ยรวมการรบกวน
			ผลต่าง	ค่าปรับ	
03:45 AM - 03:50 AM	49.8	56.1	-6.3	7.0	46.3
03:50 AM - 03:55 AM	47.4	38.6	8.8	0.5	49.9
03:55 AM - 04:00 AM	51.4	43.6	7.8	0.5	53.9
04:00 AM - 04:05 AM	45.4	43.0	2.4	4.5	43.9
04:05 AM - 04:10 AM	44.5	45.3	-0.8	7.0	40.5
04:10 AM - 04:15 AM	55.0	47.8	7.2	1.0	57.0
04:15 AM - 04:20 AM	49.5	38.5	11.0	0.5	52.0
04:20 AM - 04:25 AM	44.6	46.2	-1.6	7.0	40.6
04:25 AM - 04:30 AM	46.9	37.5	9.4	0.5	49.4
04:30 AM - 04:35 AM	45.5	37.5	8.0	0.5	48.0
04:35 AM - 04:40 AM	46.9	50.8	-3.9	7.0	42.9
04:40 AM - 04:45 AM	49.8	39.0	10.8	0.5	52.3
04:45 AM - 04:50 AM	46.9	50.4	-3.5	7.0	42.9
04:50 AM - 04:55 AM	47.7	53.1	-5.4	7.0	43.7
04:55 AM - 05:00 AM	51.4	49.4	2.0	4.5	49.9
05:00 AM - 05:05 AM	53.9	45.2	8.7	0.5	56.4
05:05 AM - 05:10 AM	49.4	44.6	4.8	1.5	50.9
05:10 AM - 05:15 AM	51.2	47.0	4.2	2.0	52.2
05:15 AM - 05:20 AM	51.6	52.5	-0.9	7.0	47.6
05:20 AM - 05:25 AM	52.7	53.1	-0.4	7.0	48.7
05:25 AM - 05:30 AM	46.4	47.5	-1.1	7.0	42.4
05:30 AM - 05:35 AM	51.6	49.1	2.5	3.0	51.6
05:35 AM - 05:40 AM	48.7	53.5	-4.8	7.0	44.7
05:40 AM - 05:45 AM	44.8	54.5	-9.7	7.0	40.8
05:45 AM - 05:50 AM	52.1	48.2	3.9	2.0	53.1
05:50 AM - 05:55 AM	63.8	53.2	10.6	0.5	66.3
05:55 AM - 06:00 AM	66.3	52.9	13.4	0.0	69.3
06:00 AM - 06:05 AM	59.6	57.9	1.7	4.5	55.1
06:05 AM - 06:10 AM	63.4	60.7	2.7	3.0	60.7
06:10 AM - 06:15 AM	58.6	57.6	1.0	7.0	51.6
06:15 AM - 06:20 AM	57.7	57.9	-0.2	7.0	50.7
06:20 AM - 06:25 AM	56.8	57.1	-0.3	7.0	49.8

มาตรฐาน

Reference Method :

- ISO 1996-1
 - ประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการตรวจวัดเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่คาดการณ์การรบกวนจากโรงงาน พ.ศ. 2553
- มาตรฐาน
- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงรบกวนและระดับเสียงที่คาดการณ์การรบกวนจากโรงงาน พ.ศ. 2548
 - ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดมาตรฐานเสียงรบกวนจากโรงงานที่เกินค่ามาตรฐานที่กำหนดให้เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
- ระดับเสียงที่ฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2397467-5 วันศุกร์ที่ 29-30 ตุลาคม 2566)

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Approved by

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpore, A. Phukdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. 2397466-31
Parameter เสียงรบกวน
Location บ้านพักในย่าน (N1) (GPS 47P 0723882, 1430972)
Measurement Date Aug 24 - 25, 2023
Measurement by Sawai Tompho
Sound Level Meter 00900073

ระดับเสียง (dB(A))								
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ผลต่าง	ค่าปรับ	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงที่รบกวน	ค่าเฉลี่ยการรบกวน
					กลางวัน	กลางคืน		
12:25 AM - 12:30 AM	44.9	45.9	-1.0	7.0	-	40.9	39.4	1.5
12:30 AM - 12:35 AM	47.3	43.6	3.7	2.0	-	48.3	40.6	7.7
12:35 AM - 12:40 AM	48.0	41.7	6.3	1.5	-	49.5	40.9	8.6
12:40 AM - 12:45 AM	51.4	48.8	2.6	3.0	-	51.4	40.3	11.1
12:45 AM - 12:50 AM	45.2	47.7	-2.5	7.0	-	41.2	39.5	1.7
12:50 AM - 12:55 AM	47.3	46.5	0.8	7.0	-	43.3	39.2	4.1
12:55 AM - 01:00 AM	40.8	44.6	-23.8	7.0	-	36.8	39.7	-3.4
01:00 AM - 01:05 AM	43.0	49.9	-6.9	7.0	-	39.0	39.2	4.7
01:05 AM - 01:10 AM	55.4	48.0	7.4	1.0	-	57.4	39.0	18.4
01:10 AM - 01:15 AM	52.6	50.7	1.9	4.5	-	51.1	39.7	11.4
01:15 AM - 01:20 AM	41.5	48.9	-7.4	7.0	-	37.5	39.5	-2.0
01:20 AM - 01:25 AM	49.8	40.0	9.8	0.5	-	52.3	39.4	12.9
01:25 AM - 01:30 AM	54.0	53.3	0.7	7.0	-	50.0	40.0	10.0
01:30 AM - 01:35 AM	44.9	50.9	-6.0	7.0	-	40.9	39.7	1.2
01:35 AM - 01:40 AM	41.3	45.6	-4.3	7.0	-	37.3	39.7	-2.0
01:40 AM - 01:45 AM	40.3	44.9	-4.6	7.0	-	36.3	39.6	-3.3
01:45 AM - 01:50 AM	42.2	45.3	-3.1	7.0	-	38.2	39.8	-1.6
01:50 AM - 01:55 AM	48.5	46.5	2.0	4.5	-	47.0	39.5	7.5
01:55 AM - 02:00 AM	48.1	49.2	-1.1	7.0	-	44.1	39.7	4.4
02:00 AM - 02:05 AM	47.1	41.0	6.1	1.5	-	48.6	39.0	9.6
02:05 AM - 02:10 AM	45.4	45.7	-0.3	7.0	-	41.4	37.5	3.9
02:10 AM - 02:15 AM	50.0	40.0	10.0	0.5	-	52.5	38.0	14.5
02:15 AM - 02:20 AM	43.8	46.1	-2.3	7.0	-	39.8	37.7	2.1
02:20 AM - 02:25 AM	52.3	42.5	9.8	0.5	-	54.8	37.2	17.6
02:25 AM - 02:30 AM	49.4	43.9	5.5	1.5	-	50.9	37.2	13.7
02:30 AM - 02:35 AM	44.4	39.0	5.4	1.5	-	45.9	37.7	8.2
02:35 AM - 02:40 AM	49.4	38.2	11.2	0.5	-	51.7	37.2	14.7
02:40 AM - 02:45 AM	45.7	41.8	3.9	7.0	-	41.7	37.8	4.1
02:45 AM - 02:50 AM	41.4	38.6	2.8	3.0	-	41.4	37.3	4.1
02:50 AM - 02:55 AM	68.1	40.0	27.8	0.0	-	71.1	37.8	33.3
02:55 AM - 03:00 AM	44.1	40.9	3.2	8.0	-	44.1	37.8	6.3
03:00 AM - 03:05 AM	48.1	38.6	8.5	0.5	-	48.6	37.8	10.8
03:05 AM - 03:10 AM	48.3	40.0	8.3	0.5	-	50.8	37.6	13.2
03:10 AM - 03:15 AM	44.1	55.5	-11.4	7.0	-	40.1	36.0	4.1
03:15 AM - 03:20 AM	51.7	39.7	12.0	0.5	-	54.2	36.6	17.6
03:20 AM - 03:25 AM	46.7	42.0	4.7	1.5	-	46.2	37.5	8.7
03:25 AM - 03:30 AM	41.6	39.9	1.7	4.5	-	40.1	37.5	2.6
03:30 AM - 03:35 AM	53.6	40.8	12.8	0.0	-	56.6	37.1	19.5
03:35 AM - 03:40 AM	49.8	47.2	2.6	3.0	-	49.8	35.6	14.2
03:40 AM - 03:45 AM	46.7	40.6	6.5	1.5	-	47.2	37.7	8.5



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpore, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-31
Parameter : เสียงรบกวน
Location : บ้านพักในป่า (N1) (GPS 47P 0723882, 1430972)
Measurement Date : Aug 24 - 25, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 00900073

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนไม่มีการรบกวน	ระดับเสียง (dB(A))		ค่าเฉลี่ยการรบกวน
			ผลต่าง	ตัวแปรค่า	
	ผลต่าง	ตัวแปรค่า	ผลต่าง	ตัวแปรค่า	
03:45 AM - 03:50 AM	49.4	56.1	6.7	7.0	-
03:50 AM - 03:55 AM	42.1	38.6	3.5	2.0	-
03:55 AM - 04:00 AM	42.2	43.6	1.4	7.0	-
04:00 AM - 04:05 AM	42.8	43.0	-0.2	7.0	-
04:05 AM - 04:10 AM	47.3	45.3	2.0	4.5	-
04:10 AM - 04:15 AM	41.5	47.8	-6.3	7.0	-
04:15 AM - 04:20 AM	45.7	38.5	7.2	1.0	-
04:20 AM - 04:25 AM	41.6	46.2	-4.6	7.0	-
04:25 AM - 04:30 AM	50.7	37.5	13.2	0.0	-
04:30 AM - 04:35 AM	64.2	37.5	26.7	0.0	-
04:35 AM - 04:40 AM	50.1	50.8	-0.7	7.0	-
04:40 AM - 04:45 AM	46.2	39.0	7.2	1.0	-
04:45 AM - 04:50 AM	43.8	50.4	-6.6	7.0	-
04:50 AM - 04:55 AM	44.8	53.1	-8.3	7.0	-
04:55 AM - 05:00 AM	50.9	49.4	1.5	4.5	-
05:00 AM - 05:05 AM	50.2	45.2	5.0	1.5	-
05:05 AM - 05:10 AM	50.4	44.6	5.8	1.5	-
05:10 AM - 05:15 AM	51.5	47.0	4.5	1.5	-
05:15 AM - 05:20 AM	50.9	52.5	-1.6	7.0	-
05:20 AM - 05:25 AM	53.5	53.1	0.4	7.0	-
05:25 AM - 05:30 AM	50.3	47.5	2.8	3.0	-
05:30 AM - 05:35 AM	57.6	49.1	8.5	0.5	-
05:35 AM - 05:40 AM	50.9	53.5	-2.6	7.0	-
05:40 AM - 05:45 AM	51.8	54.5	-2.7	7.0	-
05:45 AM - 05:50 AM	51.1	48.2	2.9	3.0	-
05:50 AM - 05:55 AM	62.9	53.2	9.7	0.5	-
05:55 AM - 06:00 AM	52.7	52.9	-0.2	7.0	-
06:00 AM - 07:00 AM	29.0	57.9	-1.1	7.0	52.0
07:00 AM - 08:00 AM	61.8	60.7	1.1	7.0	54.8
08:00 AM - 09:00 AM	58.0	57.6	0.4	7.0	51.0
09:00 AM - 10:00 AM	57.1	57.9	-0.8	7.0	50.1
10:00 AM - 11:00 AM	61.6	57.1	4.5	1.5	60.1

Reference Method :

- ISO 1996-1
- ประกาศกระทรวงมหาดไทย เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

- ประกาศกระทรวงมหาดไทย เรื่อง กำหนดค่ามาตรฐานเสียงรบกวนที่เกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
- ระดับเสียงจากแหล่งกำเนิด จากการตรวจวัด วันที่ 24-25 ตุลาคม 2566

ระดับเสียงที่ตรวจวัดและระดับเสียงรบกวนไม่มีการรบกวน (Sample No.2397467-5 วันที่ตรวจวัด 29-30 ตุลาคม 2566)

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpore, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-32
Parameter : เสียงรบกวน
Location : บ้านพักในป่า (N1) (GPS 47P 0723882, 1430972)
Measurement Date : Aug 25 - 26, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 00900073

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนไม่มีการรบกวน	ระดับเสียง (dB(A))		ค่าเฉลี่ยการรบกวน
			ผลต่าง	ตัวแปรค่า	
	ผลต่าง	ตัวแปรค่า	ผลต่าง	ตัวแปรค่า	
12:25 AM - 12:30 AM	44.8	45.9	-1.1	7.0	-
12:30 AM - 12:35 AM	47.9	43.6	4.3	2.0	-
12:35 AM - 12:40 AM	50.5	41.7	8.8	0.5	-
12:40 AM - 12:45 AM	49.8	48.8	1.0	7.0	-
12:45 AM - 12:50 AM	55.3	47.7	7.6	0.5	-
12:50 AM - 12:55 AM	59.1	46.5	12.6	0.0	-
12:55 AM - 01:00 AM	54.7	64.6	-9.9	7.0	-
01:00 AM - 01:05 AM	48.5	49.9	-1.4	7.0	-
01:05 AM - 01:10 AM	56.5	48.0	8.5	0.5	-
01:10 AM - 01:15 AM	57.8	50.7	7.1	1.0	-
01:15 AM - 01:20 AM	45.6	48.9	-3.3	7.0	-
01:20 AM - 01:25 AM	51.7	40.0	11.7	0.5	-
01:25 AM - 01:30 AM	41.9	53.3	-11.4	7.0	-
01:30 AM - 01:35 AM	49.4	50.9	-1.5	7.0	-
01:35 AM - 01:40 AM	47.7	45.6	2.1	4.5	-
01:40 AM - 01:45 AM	47.2	44.9	2.3	4.5	-
01:45 AM - 01:50 AM	50.7	46.3	4.4	2.0	-
01:50 AM - 01:55 AM	58.5	46.5	12.0	0.5	-
01:55 AM - 02:00 AM	52.8	49.2	3.6	2.0	-
02:00 AM - 02:05 AM	46.4	41.0	5.4	1.5	-
02:05 AM - 02:10 AM	44.9	45.7	-0.8	7.0	-
02:10 AM - 02:15 AM	43.9	40.0	3.9	2.0	-
02:15 AM - 02:20 AM	49.9	46.1	3.8	2.0	-
02:20 AM - 02:25 AM	46.4	42.5	-3.9	7.0	-
02:25 AM - 02:30 AM	48.7	43.9	4.8	1.5	-
02:30 AM - 02:35 AM	44.3	39.0	5.3	1.5	-
02:35 AM - 02:40 AM	40.9	38.2	2.7	3.0	-
02:40 AM - 02:45 AM	58.9	38.6	20.3	1.5	-
02:45 AM - 02:50 AM	40.6	38.6	2.0	1.5	-
02:50 AM - 02:55 AM	43.3	40.3	3.0	3.0	-
02:55 AM - 03:00 AM	39.8	40.9	-1.1	7.0	-
03:00 AM - 03:05 AM	55.0	38.6	16.4	0.0	-
03:05 AM - 03:10 AM	45.9	40.0	5.9	1.5	-
03:10 AM - 03:15 AM	40.5	55.5	-15.0	7.0	-
03:15 AM - 03:20 AM	47.5	39.7	7.8	0.5	-
03:20 AM - 03:25 AM	44.0	42.0	2.0	7.0	-
03:25 AM - 03:30 AM	44.0	39.9	4.1	2.0	-
03:30 AM - 03:35 AM	51.6	40.8	10.8	0.5	-
03:35 AM - 03:40 AM	50.5	47.2	3.3	3.0	-
03:40 AM - 03:45 AM	48.8	40.6	8.2	0.5	-

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpore, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-32
Parameter : เสียงรบกวน
Location : บ้านพักในป่า (N1) (GPS 47P 0723882, 1430972)
Measurement Date : Aug 25 - 26, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 00900073

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนไม่มีการรบกวน	ระดับเสียง (dB(A))		ค่าเฉลี่ยการรบกวน
			ผลต่าง	ตัวแปรค่า	
	ผลต่าง	ตัวแปรค่า	ผลต่าง	ตัวแปรค่า	
11:00 AM - 12:00 PM	61.3	56.0	5.3	1.5	59.8
12:00 PM - 01:00 PM	56.6	59.8	-3.2	7.0	49.6
01:00 PM - 02:00 PM	55.7	58.7	-3.0	7.0	48.7
02:00 PM - 03:00 PM	56.9	61.4	-4.5	7.0	49.9
03:00 PM - 04:00 PM	56.9	59.2	-2.3	7.0	49.9
04:00 PM - 05:00 PM	57.1	59.5	-2.4	7.0	50.1
05:00 PM - 06:00 PM	58.7	59.2	-0.5	7.0	51.7
06:00 PM - 07:00 PM	59.3	56.5	2.8	3.0	56.3
07:00 PM - 08:00 PM	56.3	56.4	-0.1	7.0	49.3
08:00 PM - 09:00 PM	74.7	54.7	20.0	0.0	74.7
09:00 PM - 10:00 PM	60.6	52.4	8.2	0.5	60.1
10:00 PM - 10:05 PM	54.9	51.4	3.5	2.0	-
10:05 PM - 10:10 PM	52.5	48.8	3.7	2.0	-
10:10 PM - 10:15 PM	55.2	54.1	1.1	7.0	-
10:15 PM - 10:20 PM	54.8	45.0	9.8	0.5	-
10:20 PM - 10:25 PM	55.3	59.6	-4.3	7.0	-
10:25 PM - 10:30 PM	57.3	53.0	4.3	2.0	-
10:30 PM - 10:35 PM	57.2	52.5	4.7	1.5	-
10:35 PM - 10:40 PM	57.2	50.8	6.4	1.5	-
10:40 PM - 10:45 PM	57.7	51.6	6.1	1.5	-
10:45 PM - 10:50 PM	57.2	49.5	7.7	0.5	-
10:50 PM - 10:55 PM	50.0	48.5	1.5	4.5	-
10:55 PM - 11:00 PM	58.0	49.6	8.4	0.5	-
11:00 PM - 11:05 PM	51.5	48.5	3.0	3.0	-
11:05 PM - 11:10 PM	51.0	53.4	-2.4	7.0	-
11:10 PM - 11:15 PM	44.7	58.9	-14.2	7.0	-
11:15 PM - 11:20 PM	53.6	51.3	2.3	4.5	-
11:20 PM - 11:25 PM	55.6	49.7	5.9	1.5	-
11:25 PM - 11:30 PM	51.4	50.7	0.7	7.0	-
11:30 PM - 11:35 PM	45.8	48.2	-2.4	7.0	-
11:35 PM - 11:40 PM	58.1	47.1	11.0	0.5	-
11:40 PM - 11:45 PM	52.0	50.5	1.5	4.5	-
11:45 PM - 11:50 PM	52.0	53.7	-1.7	7.0	-
11:50 PM - 11:55 PM	47.2	40.4	6.8	1.0	-
11:55 PM - 12:00 AM	52.9	39.9	13.0	0.0	-
12:00 AM - 12:05 AM	53.0	41.9	11.1	0.5	-
12:05 AM - 12:10 AM	49.3	48.6	0.7	7.0	-
12:10 AM - 12:15 AM	57.9	44.7	13.2	0.0	-
12:15 AM - 12:20 AM	56.0	51.1	4.9	1.5	-
12:20 AM - 12:25 AM	52.0	43.7	8.3	0.5	-

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpore, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-32
Parameter : เสียงรบกวน
Location : บ้านพักในป่า (N1) (GPS 47P 0723882, 1430972)
Measurement Date : Aug 25 - 26, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 00900073

ระดับเสียง (dB(A))					เสียงรบกวน	
เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนไม่มีการรบกวน	ผลต่าง	ค่าปรับค่า	ปรับเสียงจากแหล่งกำเนิด	
					กลางวัน	กลางคืน
03:45 AM - 03:50 AM	40.7	56.1	-15.4	7.0	-	36.7
03:50 AM - 03:55 AM	40.2	38.6	1.6	4.5	-	36.7
03:55 AM - 04:00 AM	43.8	43.6	0.2	7.0	-	39.8
04:00 AM - 04:05 AM	42.7	43.0	-0.3	7.0	-	38.7
04:05 AM - 04:10 AM	40.8	45.3	-4.5	7.0	-	36.8
04:10 AM - 04:15 AM	41.1	47.8	-6.7	7.0	-	37.1
04:15 AM - 04:20 AM	46.2	38.5	7.7	0.5	-	40.7
04:20 AM - 04:25 AM	44.4	46.2	-1.8	7.0	-	48.4
04:25 AM - 04:30 AM	54.6	37.5	17.1	0.0	-	57.6
04:30 AM - 04:35 AM	46.6	37.5	9.1	0.5	-	49.1
04:35 AM - 04:40 AM	53.1	50.8	2.3	4.5	-	51.6
04:40 AM - 04:45 AM	61.9	39.0	22.9	0.0	-	64.9
04:45 AM - 04:50 AM	50.3	50.4	-0.1	7.0	-	46.3
04:50 AM - 04:55 AM	49.6	53.1	-3.5	7.0	-	45.6
04:55 AM - 05:00 AM	45.1	49.4	-4.3	7.0	-	41.1
05:00 AM - 05:05 AM	49.8	45.2	4.6	1.5	-	51.3
05:05 AM - 05:10 AM	49.1	44.6	4.5	1.5	-	50.6
05:10 AM - 05:15 AM	50.5	47.0	3.5	2.0	-	51.5
05:15 AM - 05:20 AM	47.3	52.5	-5.2	7.0	-	43.3
05:20 AM - 05:25 AM	49.8	53.1	-3.3	7.0	-	45.8
05:25 AM - 05:30 AM	53.7	47.5	6.2	1.5	-	55.2
05:30 AM - 05:35 AM	52.4	49.1	3.3	3.0	-	52.4
05:35 AM - 05:40 AM	50.1	53.5	-3.4	7.0	-	46.1
05:40 AM - 05:45 AM	49.4	54.5	-5.1	7.0	-	45.4
05:45 AM - 05:50 AM	53.2	48.2	5.1	1.5	-	54.8
05:50 AM - 05:55 AM	62.7	53.2	9.5	0.5	-	65.3
05:55 AM - 06:00 AM	52.1	52.9	-0.8	7.0	-	48.1
06:00 AM - 07:00 AM	61.3	57.9	0.4	7.0	51.5	-
07:00 AM - 08:00 AM	68.5	60.7	0.8	7.0	54.3	-
08:00 AM - 09:00 AM	57.3	67.6	-0.3	7.0	50.3	-
09:00 AM - 10:00 AM	57.1	57.9	-0.8	7.0	50.1	-
10:00 AM - 11:00 AM	59.7	57.1	2.6	3.0	56.7	-



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpore, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-33
Parameter : เสียงรบกวน
Location : บ้านพักโรงงาน (N1) (GPS 47P 0723882, 1430972)
Measurement Date : Aug 26 - 27, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 00900073



Lot ID: 2397466
Date Received : Aug 30, 2023
Date Reported : Nov 03, 2023
Report Number : 2766792-1

Page 1 of 3

เวลา	ระดับเสียง (dB(A))						ค่าการรบกวน	
	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ผลต่างระดับเสียง	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงขณะมีกิจกรรม		
				กลางวัน	กลางคืน			
11:00 AM - 12:00 PM	58.2	56.0	2.2	4.5	53.7	-	39.7	14.0
12:00 PM - 01:00 PM	57.5	59.8	-2.3	7.0	20.5	-	48.4	2.1
01:00 PM - 02:00 PM	57.0	58.7	-1.7	7.0	50.0	-	47.7	2.3
02:00 PM - 03:00 PM	59.0	61.4	-2.4	7.0	52.0	-	53.3	-1.3
03:00 PM - 04:00 PM	56.8	59.2	-2.4	7.0	49.8	-	53.8	-4.0
04:00 PM - 05:00 PM	59.1	59.5	-0.4	7.0	52.1	-	45.7	6.4
05:00 PM - 06:00 PM	58.7	59.2	-0.5	7.0	51.7	-	45.3	6.4
06:00 PM - 07:00 PM	56.8	56.5	0.3	7.0	49.8	-	45.3	4.5
07:00 PM - 08:00 PM	57.3	56.4	0.9	7.0	50.3	-	44.6	5.7
08:00 PM - 09:00 PM	56.3	54.7	1.6	4.5	51.8	-	43.7	8.6
09:00 PM - 10:00 PM	56.8	52.4	4.4	2.0	54.8	-	41.6	13.2
10:00 PM - 10:05 PM	57.0	51.4	5.6	1.5	-	58.5	42.5	16.0
10:05 PM - 10:10 PM	57.8	48.8	9.0	0.5	-	60.3	41.2	19.1
10:10 PM - 10:15 PM	51.9	54.1	-2.2	7.0	-	47.8	41.1	6.8
10:15 PM - 10:20 PM	49.2	45.0	4.2	2.0	-	50.2	40.5	9.7
10:20 PM - 10:25 PM	49.8	59.6	-9.8	7.0	-	45.8	42.5	3.3
10:25 PM - 10:30 PM	47.4	53.0	-5.6	7.0	-	43.4	41.1	2.3
10:30 PM - 10:35 PM	54.7	52.5	2.2	4.5	-	42.0	42.0	11.2
10:35 PM - 10:40 PM	54.3	50.8	3.5	2.0	-	55.3	41.3	14.0
10:40 PM - 10:45 PM	54.0	51.6	2.4	4.5	-	52.5	41.2	11.3
10:45 PM - 10:50 PM	56.1	49.5	6.6	1.0	-	58.1	42.3	15.8
10:50 PM - 10:55 PM	55.5	48.5	7.0	1.0	-	57.5	40.9	16.2
10:55 PM - 11:00 PM	46.4	49.6	-3.2	7.0	-	42.4	40.9	1.5
11:00 PM - 11:05 PM	48.4	48.5	-0.1	7.0	-	44.4	41.1	3.3
11:05 PM - 11:10 PM	60.9	53.4	7.5	0.5	-	63.4	41.6	21.8
11:10 PM - 11:15 PM	51.6	58.9	-7.3	7.0	-	47.6	42.4	5.2
11:15 PM - 11:20 PM	57.0	51.3	5.7	1.5	-	38.5	40.6	19.4
11:20 PM - 11:25 PM	50.6	49.7	0.9	7.0	-	46.6	40.3	6.3
11:25 PM - 11:30 PM	51.5	50.7	0.8	7.0	-	47.5	40.6	6.9
11:30 PM - 11:35 PM	55.8	48.2	7.6	0.5	-	58.3	40.7	17.6
11:35 PM - 11:40 PM	52.0	47.1	4.9	1.5	-	53.5	41.3	12.5
11:40 PM - 11:45 PM	55.3	50.5	4.8	1.5	-	56.8	40.6	16.2
11:45 PM - 11:50 PM	58.7	53.7	5.0	1.5	-	60.2	40.4	19.8
11:50 PM - 11:55 PM	56.4	40.4	16.0	0.0	-	59.4	39.1	20.3
11:55 PM - 12:00 AM	48.3	39.9	8.4	0.5	-	50.8	38.8	11.9
12:00 AM - 12:05 AM	47.6	41.9	5.7	1.5	-	49.1	39.7	9.4
12:05 AM - 12:10 AM	51.1	48.6	2.5	3.0	-	51.1	39.4	11.7
12:10 AM - 12:15 AM	53.5	44.7	8.8	0.5	-	56.0	39.7	16.3
12:15 AM - 12:20 AM	44.3	51.1	-6.8	7.0	-	40.3	39.4	0.9
12:20 AM - 12:25 AM	58.0	43.7	14.3	0.0	-	61.0	39.0	22.0

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpore, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-33
Parameter : เสียงรบกวน
Location : บ้านพักโรงงาน (N1) (GPS 47P 0723882, 1430972)
Measurement Date : Aug 26 - 27, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 00900073



Lot ID: 2397466
Date Received : Aug 30, 2023
Date Reported : Nov 03, 2023
Report Number : 2766792-1

Page 2 of 3

เวลา	เสียงจากแหล่งกำเนิด	ระดับเสียง (dB(A))				การปรับค่าเสียงจากแหล่งกำเนิด		เสียงรบกวน	ค่าการสั่น
		เสียงขณะไม่มีกิจกรรม	ผลต่าง	ตัวชี้วัด	ค่าลบ	ค่าบวก			
12:25 AM - 12:30 AM	55.1	45.9	9.2	0.5	-	57.6	39.4	18.2	
12:30 AM - 12:35 AM	50.2	43.6	6.6	1.0	-	52.2	40.6	11.6	
12:35 AM - 12:40 AM	49.9	41.7	8.2	0.5	-	52.4	40.9	11.5	
12:40 AM - 12:45 AM	48.9	48.8	0.1	7.0	-	44.9	40.3	4.6	
12:45 AM - 12:50 AM	49.1	47.7	1.4	7.0	-	45.1	39.5	5.6	
12:50 AM - 12:55 AM	48.4	46.5	1.9	4.5	-	46.9	40.2	7.7	
12:55 AM - 01:00 AM	55.0	64.6	-9.6	7.0	-	51.0	40.2	10.8	
01:00 AM - 01:05 AM	45.3	49.9	-4.6	7.0	-	41.3	39.7	1.6	
01:05 AM - 01:10 AM	45.0	48.0	-3.0	7.0	-	41.0	39.0	2.0	
01:10 AM - 01:15 AM	42.1	50.7	-8.6	7.0	-	38.1	39.7	-1.6	
01:15 AM - 01:20 AM	41.1	48.9	-7.8	7.0	-	37.1	39.5	-2.4	
01:20 AM - 01:25 AM	41.1	40.0	1.1	7.0	-	37.1	39.4	-2.3	
01:25 AM - 01:30 AM	50.7	53.3	-2.6	7.0	-	46.7	40.0	6.7	
01:30 AM - 01:35 AM	42.8	50.9	-8.1	7.0	-	38.8	40.0	-1.2	
01:35 AM - 01:40 AM	46.7	45.6	1.1	7.0	-	42.7	39.3	3.4	
01:40 AM - 01:45 AM	49.6	44.9	4.7	1.5	-	51.1	39.6	11.5	
01:45 AM - 01:50 AM	49.9	46.3	3.6	2.0	-	50.9	39.8	11.1	
01:50 AM - 01:55 AM	40.6	46.5	-5.9	7.0	-	36.6	39.5	-2.9	
01:55 AM - 02:00 AM	40.1	49.2	-9.1	7.0	-	33.1	39.7	-6.6	
02:00 AM - 02:05 AM	51.0	41.0	10.0	0.5	-	53.5	39.0	14.5	
02:05 AM - 02:10 AM	54.9	45.7	9.2	0.5	-	57.4	37.5	19.9	
02:10 AM - 02:15 AM	49.3	40.0	9.3	0.5	-	51.8	38.0	13.8	
02:15 AM - 02:20 AM	62.6	46.1	16.5	0.0	-	65.6	37.1	28.5	
02:20 AM - 02:25 AM	60.1	42.5	17.6	0.0	-	63.1	37.2	25.9	
02:25 AM - 02:30 AM	59.5	43.9	15.6	0.0	-	62.5	37.2	25.3	
02:30 AM - 02:35 AM	60.1	39.0	21.1	0.0	-	63.1	37.7	25.4	
02:35 AM - 02:40 AM	54.4	38.2	16.2	0.0	-	57.4	37.2	20.2	
02:40 AM - 02:45 AM	51.7	52.8	-1.1	7.0	-	47.7	37.2	10.5	
02:45 AM - 02:50 AM	57.4	38.6	18.8	0.0	-	60.4	37.3	23.1	
02:50 AM - 02:55 AM	49.6	40.3	9.3	0.5	-	52.1	37.8	14.3	
02:55 AM - 03:00 AM	40.4	40.9	-0.5	7.0	-	36.4	37.8	-1.4	
03:00 AM - 03:05 AM	40.4	39.6	0.8	7.0	-	36.4	37.8	-1.4	
03:05 AM - 03:10 AM	51.5	40.0	11.5	0.5	-	54.0	37.6	16.4	
03:10 AM - 03:15 AM	39.8	55.5	-15.7	7.0	-	35.8	36.0	-0.2	
03:15 AM - 03:20 AM	51.0	39.7	11.3	0.5	-	53.5	36.6	16.9	
03:20 AM - 03:25 AM	53.8	42.0	11.8	0.5	-	56.3	37.0	19.3	
03:25 AM - 03:30 AM	50.7	39.9	10.8	0.5	-	53.2	37.5	15.7	
03:30 AM - 03:35 AM	46.0	40.8	5.2	1.5	-	47.5	37.1	10.4	
03:35 AM - 03:40 AM	47.4	47.2	0.2	7.0	-	43.4	35.6	7.8	
03:40 AM - 03:45 AM	47.3	40.6	6.7	1.0	-	49.3	35.4	13.9	

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpore, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-33
Parameter : เสียงรบกวน
Location : บ้านพักโรงงาน (N1) (GPS 47P 0723882, 1430972)
Measurement Date : Aug 26 - 27, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 00900073

เวลา	ระดับเสียง (dB(A))					เสียงที่ชุมชน	ค่าการรบกวน	
	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ผลต่างระดับเสียง	การประเมินค่า				
				ค่าปรับ	ค่ารวม			
03:45 AM - 03:50 AM	62.2	56.1	6.1	1.5	-	33.7	35.5	28.2
03:50 AM - 03:55 AM	59.4	38.6	20.8	0.0	-	62.4	37.0	25.4
03:55 AM - 04:00 AM	39.0	43.6	-4.6	7.0	-	63.0	37.4	-2.4
04:00 AM - 04:05 AM	38.8	43.0	-4.2	7.0	-	34.8	36.4	-1.6
04:05 AM - 04:10 AM	46.2	45.3	0.9	7.0	-	42.2	36.5	5.7
04:10 AM - 04:15 AM	52.7	47.8	4.9	1.5	-	54.2	37.0	17.2
04:15 AM - 04:20 AM	57.0	38.5	18.5	0.0	-	60.0	37.3	22.7
04:20 AM - 04:25 AM	59.2	46.2	13.0	0.0	-	62.2	37.7	24.5
04:25 AM - 04:30 AM	60.4	37.5	22.9	0.0	-	63.4	36.1	27.3
04:30 AM - 04:35 AM	60.9	37.5	23.4	0.0	-	63.9	36.3	27.6
04:35 AM - 04:40 AM	54.5	50.8	3.7	2.0	-	55.5	36.7	18.8
04:40 AM - 04:45 AM	49.2	39.0	10.2	0.5	-	51.7	36.4	15.3
04:45 AM - 04:50 AM	53.4	50.4	3.0	3.0	-	53.4	37.8	15.6
04:50 AM - 04:55 AM	46.0	53.1	-7.1	7.0	-	42.0	37.9	4.1
04:55 AM - 05:00 AM	45.6	49.4	-3.8	7.0	-	41.6	37.5	4.1
05:00 AM - 05:05 AM	49.5	45.2	4.3	2.0	-	50.5	37.8	12.7
05:05 AM - 05:10 AM	57.0	44.6	12.4	0.5	-	59.5	37.9	21.6
05:10 AM - 05:15 AM	48.7	47.0	1.7	4.5	-	47.7	38.9	8.8
05:15 AM - 05:20 AM	49.4	52.5	-3.1	7.0	-	45.4	39.0	6.4
05:20 AM - 05:25 AM	47.5	53.1	-5.6	7.0	-	43.5	39.8	3.7
05:25 AM - 05:30 AM	49.6	47.5	2.1	4.5	-	48.1	39.0	9.1
05:30 AM - 05:35 AM	54.3	49.1	5.2	1.5	-	55.8	39.6	16.2
05:35 AM - 05:40 AM	43.7	53.5	-9.8	7.0	-	39.7	39.7	0.0
05:40 AM - 05:45 AM	52.2	54.5	-2.3	7.0	-	48.2	40.7	7.5
05:45 AM - 05:50 AM	48.4	48.2	0.2	7.0	-	44.4	41.0	3.4
05:50 AM - 05:55 AM	62.7	53.2	9.5	0.5	-	65.5	43.6	21.6
05:55 AM - 06:00 AM	55.2	52.9	2.3	4.5	-	53.7	42.3	11.4
06:00 AM - 07:00 AM	57.1	57.9	-0.8	7.0	50.1	-	45.5	4.6
07:00 AM - 08:00 AM	56.8	60.7	-3.8	7.0	48.5	-	50.1	-0.2
08:00 AM - 09:00 AM	57.5	57.6	-0.1	7.0	49.5	-	43.7	6.0
09:00 AM - 10:00 AM	56.9	57.9	-1.0	7.0	49.0	-	41.7	8.2
10:00 AM - 11:00 AM	56.0	57.1	-1.1	7.0	49.0	-	42.5	6.5

Reference Method :
1. ISO 1996-1
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

หมายเหตุ :
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานเสียงทางเสียงที่เกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
ระดับเสียงรบกวนเฉลี่ย 24 ชั่วโมง : 55 dB (A) (ค่ามาตรฐาน 55 dB)
ระดับเสียงสูงสุดและระดับเสียงเฉลี่ย : 60 dB (A) (ค่ามาตรฐาน 55 dB)

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpore, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. : 2397466-34
Parameter : เสียงรบกวน
Location : บ้านพักโรงงาน (N1) (GPS 47P 0723882, 1430972)
Measurement Date : Aug 27 - 28, 2023
Measurement by : Sawai Tonpho
Sound Level Meter : 00900073



Lot ID: 2397466
Date Received : Aug 30, 2023
Date Reported : Nov 03, 2023
Report Number : 2766793-1

Page 1 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ระดับเสียง (dB(A))		ตัวชี้วัด	การประเมินเสียงจากแหล่งกำเนิด	เสียงที่เกิน	ค่าระดับการรบกวน
			ผลต่าง	ค่าปรับ				
11:00 AM - 12:00 PM	57.9	56.0	1.9	4.5	53.4	-	39.7	13.7
12:00 PM - 01:00 PM	60.1	59.8	0.3	7.0	53.1	-	48.4	4.7
01:00 PM - 02:00 PM	56.6	58.7	-2.1	7.0	49.6	-	47.7	1.9
02:00 PM - 03:00 PM	57.5	61.4	-3.9	7.0	50.5	-	53.3	-2.8
03:00 PM - 04:00 PM	54.4	59.2	-4.8	7.0	47.4	-	53.8	-6.4
04:00 PM - 05:00 PM	58.5	59.5	-1.0	7.0	51.5	-	45.7	5.8
05:00 PM - 06:00 PM	60.5	59.2	1.3	7.0	53.5	-	45.3	8.2
06:00 PM - 07:00 PM	58.7	56.5	2.2	4.5	54.2	-	45.3	8.9
07:00 PM - 08:00 PM	58.7	56.4	2.3	4.5	54.2	-	44.6	9.6
08:00 PM - 09:00 PM	55.7	54.7	1.0	7.0	48.7	-	43.2	5.5
09:00 PM - 10:00 PM	57.4	52.4	5.0	1.5	55.9	-	41.6	14.3
10:00 PM - 10:55 PM	53.6	51.4	2.2	4.5	-	52.1	42.5	9.6
10:55 PM - 10:10 PM	52.1	48.8	3.3	6.0	-	52.1	41.2	10.9
10:10 PM - 10:15 PM	57.2	54.1	3.1	3.0	-	57.2	41.1	16.1
10:15 PM - 10:20 PM	53.4	45.0	8.4	0.5	-	55.9	40.5	15.4
10:20 PM - 10:25 PM	49.3	59.6	-10.3	7.0	-	45.3	42.5	2.8
10:25 PM - 10:30 PM	45.7	53.0	-7.3	7.0	-	41.7	41.1	0.6
10:30 PM - 10:35 PM	50.2	53.5	-3.3	7.0	-	46.2	42.0	4.2
10:35 PM - 10:40 PM	53.8	58.0	-4.2	3.0	-	53.8	41.3	12.5
10:40 PM - 10:45 PM	55.1	51.6	3.5	2.0	-	56.1	41.2	14.9
10:45 PM - 10:50 PM	57.2	49.5	7.7	0.5	-	59.7	42.3	17.4
10:50 PM - 10:55 PM	55.9	48.5	7.4	1.0	-	57.9	41.3	16.6
10:55 PM - 11:00 PM	58.3	49.6	8.7	0.5	-	60.8	40.9	19.9
11:00 PM - 11:05 PM	52.2	48.5	3.7	2.0	-	53.2	41.1	12.1
11:05 PM - 11:10 PM	50.3	53.4	-3.3	7.0	-	41.1	41.6	-0.5
11:10 PM - 11:15 PM	45.1	58.9	-8.8	7.0	-	46.3	42.4	3.9
11:15 PM - 11:20 PM	56.8	51.3	5.5	1.5	-	58.3	40.1	18.2
11:20 PM - 11:25 PM	51.5	49.7	1.8	4.5	-	50.0	40.3	9.7
11:25 PM - 11:30 PM	52.1	50.7	1.4	7.0	-	48.1	40.6	7.5
11:30 PM - 11:35 PM	58.5	48.2	10.3	0.5	-	61.0	40.7	20.3
11:35 PM - 11:40 PM	47.7	47.7	0.0	7.0	-	47.7	41.2	6.5
11:40 PM - 11:45 PM	50.2	50.5	-0.3	7.0	-	46.2	40.6	5.6
11:45 PM - 11:50 PM	58.0	53.7	4.3	2.0	-	59.0	40.4	18.6
11:50 PM - 11:55 PM	48.0	52.4	-4.4	7.0	-	36.0	39.1	-3.1
11:55 PM - 12:00 AM	52.8	49.8	3.0	12.0	-	52.8	38.9	16.9
12:00 AM - 12:05 AM	49.0	41.9	7.1	1.0	-	51.0	39.7	11.3
12:05 AM - 12:10 AM	45.5	48.6	-3.1	7.0	-	41.5	39.4	2.1
12:10 AM - 12:15 AM	44.4	44.7	-0.3	7.0	-	40.4	39.7	0.7
12:15 AM - 12:20 AM	50.7	51.1	-0.4	7.0	-	46.7	39.9	6.8
12:20 AM - 12:25 AM	51.3	51.3	0.0	7.0	-	51.3	39.9	11.4



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangporna, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. 2397466-34
Parameter เสียงรบกวน
Location บ้านพักในย่าน (N1) (GPS 47P 0723882, 1430972)
Measurement Date Aug 27 - 28, 2023
Measurement by Sawai Tompho
Sound Level Meter 00900073

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		ปรับตามเสียงจากแหล่งกำเนิด	เสียงที่ฐาน	ค่าระดับการรบกวน
			ผลต่าง	ค่าปรับค่า	ผลการวัด	ผลการปรับ	
12:25 AM - 12:30 AM	49.0	45.9	3.1	3.0	-	49.0	39.4
12:30 AM - 12:35 AM	46.1	43.6	2.5	3.0	-	46.1	40.6
12:35 AM - 12:40 AM	42.3	41.7	0.6	7.0	-	38.3	40.9
12:40 AM - 12:45 AM	46.1	48.8	-2.7	7.0	-	42.1	40.3
12:45 AM - 12:50 AM	44.7	47.7	-3.0	7.0	-	40.7	39.5
12:50 AM - 12:55 AM	44.7	46.5	-1.8	7.0	-	40.7	39.2
12:55 AM - 01:00 AM	44.7	44.6	-0.1	7.0	-	40.7	40.2
01:00 AM - 01:05 AM	43.9	49.9	-6.0	7.0	-	39.9	40.2
01:05 AM - 01:10 AM	42.1	48.0	-5.9	7.0	-	38.1	39.0
01:10 AM - 01:15 AM	45.5	50.7	-5.2	7.0	-	41.5	39.7
01:15 AM - 01:20 AM	50.6	48.9	1.7	4.5	-	49.1	39.5
01:20 AM - 01:25 AM	52.4	40.0	12.4	0.5	-	54.9	39.4
01:25 AM - 01:30 AM	54.4	53.3	1.1	7.0	-	50.4	40.0
01:30 AM - 01:35 AM	43.6	50.9	-7.3	7.0	-	39.6	39.7
01:35 AM - 01:40 AM	48.5	45.6	2.9	3.0	-	48.5	39.3
01:40 AM - 01:45 AM	42.9	44.9	-2.0	7.0	-	38.9	39.6
01:45 AM - 01:50 AM	42.3	46.3	-4.0	7.0	-	38.3	39.8
01:50 AM - 01:55 AM	44.3	46.5	-2.2	7.0	-	40.3	39.5
01:55 AM - 02:00 AM	42.1	49.2	-7.1	7.0	-	38.1	39.7
02:00 AM - 02:05 AM	46.1	41.0	5.1	1.5	-	47.6	39.0
02:05 AM - 02:10 AM	42.6	45.7	-3.1	7.0	-	38.6	37.5
02:10 AM - 02:15 AM	48.9	40.0	8.9	0.5	-	51.4	38.0
02:15 AM - 02:20 AM	44.7	46.1	-1.4	7.0	-	40.7	37.1
02:20 AM - 02:25 AM	40.7	42.5	-1.8	7.0	-	36.7	37.2
02:25 AM - 02:30 AM	40.7	43.9	-3.2	7.0	-	36.7	37.2
02:30 AM - 02:35 AM	47.9	39.0	8.9	0.5	-	50.4	37.7
02:35 AM - 02:40 AM	57.1	38.2	18.9	0.0	-	60.1	37.2
02:40 AM - 02:45 AM	47.5	52.8	-5.3	7.0	-	43.5	37.2
02:45 AM - 02:50 AM	49.6	38.6	11.0	0.5	-	52.1	37.3
02:50 AM - 02:55 AM	44.7	40.3	4.4	2.0	-	45.7	37.8
02:55 AM - 03:00 AM	41.4	40.9	0.5	7.0	-	37.4	37.8
03:00 AM - 03:05 AM	50.4	39.6	10.8	0.5	-	52.9	37.4
03:05 AM - 03:10 AM	43.4	40.0	3.4	3.0	-	43.4	37.6
03:10 AM - 03:15 AM	41.5	55.5	-14.0	7.0	-	37.5	36.0
03:15 AM - 03:20 AM	44.2	39.7	4.5	1.5	-	45.7	36.6
03:20 AM - 03:25 AM	58.0	42.0	16.0	0.0	-	61.0	37.0
03:25 AM - 03:30 AM	43.5	39.9	3.6	2.0	-	44.5	37.5
03:30 AM - 03:35 AM	58.2	40.8	17.4	0.0	-	61.2	37.1
03:35 AM - 03:40 AM	56.7	47.2	9.5	0.5	-	59.2	35.6
03:40 AM - 03:45 AM	46.1	40.6	-5.5	7.0	-	36.1	35.4

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Approved by

Wilawan Borirak
Manager

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangporna, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. 2397466-35
Parameter เสียงรบกวน
Location บ้านพักในย่าน (N1) (GPS 47P 0723882, 1430972)
Measurement Date Aug 28 - 29, 2023
Measurement by Sawai Tompho
Sound Level Meter 00900073

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		ปรับตามเสียงจากแหล่งกำเนิด	เสียงที่ฐาน	ค่าระดับการรบกวน
			ผลต่าง	ค่าปรับค่า	ผลการวัด	ผลการปรับ	
11:50 AM - 12:00 PM	63.0	56.0	7.0	0.5	64.5	-	39.7
12:00 PM - 01:00 PM	63.6	59.8	3.8	2.0	61.6	-	48.4
01:00 PM - 02:00 PM	58.0	58.7	-0.7	7.0	51.0	-	47.7
02:00 PM - 03:00 PM	56.5	61.4	-4.9	7.0	49.5	-	43.8
03:00 PM - 04:00 PM	61.4	59.2	2.2	4.5	56.9	-	53.8
04:00 PM - 05:00 PM	61.0	59.5	1.5	4.5	56.5	-	45.7
05:00 PM - 06:00 PM	59.8	59.2	0.6	7.0	52.8	-	45.3
06:00 PM - 07:00 PM	57.7	58.5	-0.8	7.0	50.7	-	43.3
07:00 PM - 08:00 PM	58.2	56.4	1.8	4.5	53.7	-	44.6
08:00 PM - 09:00 PM	57.2	54.7	2.5	3.0	54.2	-	43.2
09:00 PM - 10:00 PM	55.9	52.4	3.5	2.0	53.9	-	41.6
10:00 PM - 10:05 PM	57.8	52.0	5.8	1.5	59.3	-	42.5
10:05 PM - 10:10 PM	56.5	48.8	7.7	0.5	-	59.0	41.2
10:10 PM - 10:15 PM	55.2	54.1	1.1	7.0	-	51.2	41.1
10:15 PM - 10:20 PM	50.4	45.0	5.4	1.5	-	51.9	40.5
10:20 PM - 10:25 PM	47.2	59.6	-12.4	7.0	-	43.2	42.5
10:25 PM - 10:30 PM	51.8	53.0	-1.2	7.0	-	47.8	41.1
10:30 PM - 10:35 PM	47.8	52.5	-4.7	7.0	-	43.8	42.0
10:35 PM - 10:40 PM	50.7	50.8	-0.1	7.0	-	46.7	41.3
10:40 PM - 10:45 PM	51.1	51.6	-0.5	7.0	-	47.1	41.2
10:45 PM - 10:50 PM	51.0	49.5	1.5	4.5	-	49.5	42.3
10:50 PM - 10:55 PM	50.5	48.5	2.0	4.5	-	49.0	41.3
10:55 PM - 11:00 PM	55.4	49.6	5.8	1.5	-	56.9	40.9
11:00 PM - 11:05 PM	51.7	48.5	3.2	3.0	-	51.7	41.2
11:05 PM - 11:10 PM	51.9	53.4	-1.5	7.0	-	47.9	41.6
11:10 PM - 11:15 PM	48.5	58.9	-10.4	7.0	-	44.5	42.4
11:15 PM - 11:20 PM	50.1	51.3	-1.2	7.0	-	46.1	40.1
11:20 PM - 11:25 PM	42.3	49.7	-7.4	7.0	-	38.2	40.3
11:25 PM - 11:30 PM	46.2	50.7	-4.5	7.0	-	42.2	40.6
11:30 PM - 11:35 PM	51.7	48.2	3.5	2.0	-	52.7	40.7
11:35 PM - 11:40 PM	48.3	47.1	1.2	7.0	-	44.3	41.2
11:40 PM - 11:45 PM	42.7	50.5	-7.8	7.0	-	39.7	40.8
11:45 PM - 11:50 PM	46.5	53.7	-7.2	7.0	-	42.5	40.4
11:50 PM - 11:55 PM	55.9	40.4	15.5	0.0	-	58.9	39.1
11:55 PM - 12:00 AM	56.6	39.9	16.7	0.0	-	59.6	38.9
12:00 AM - 12:05 AM	48.5	41.9	6.6	0.0	-	48.5	37.7
12:05 AM - 12:10 AM	47.5	48.6	-1.1	7.0	-	43.5	38.4
12:10 AM - 12:15 AM	42.6	44.7	-2.1	7.0	-	38.6	39.7
12:15 AM - 12:20 AM	45.0	51.1	-6.1	7.0	-	41.0	39.9
12:20 AM - 12:25 AM	46.5	43.7	2.8	3.0	-	46.5	39.0

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Wilawan Borirak
Manager

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangporna, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Sample No. 2397466-34
Parameter เสียงรบกวน
Location บ้านพักในย่าน (N1) (GPS 47P 0723882, 1430972)
Measurement Date Aug 27 - 28, 2023
Measurement by Sawai Tompho
Sound Level Meter 00900073

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		ปรับตามเสียงจากแหล่งกำเนิด	เสียงที่ฐาน	ค่าระดับการรบกวน
			ผลต่าง	ค่าปรับค่า	ผลการวัด	ผลการปรับ	
03:45 AM - 03:50 AM	47.7	56.1	-8.4	7.0	-	43.7	35.5
03:50 AM - 03:55 AM	44.5	38.6	5.9	1.5	-	46.0	37.0
03:55 AM - 04:00 AM	38.3	43.6	-5.3	7.0	-	34.3	37.4
04:00 AM - 04:05 AM	38.9	43.0	-4.1	7.0	-	34.9	36.4
04:05 AM - 04:10 AM	45.4	45.3	0.1	7.0	-	41.4	36.5
04:10 AM - 04:15 AM	53.8	47.8	6.0	1.5	-	55.3	37.2
04:15 AM - 04:20 AM	47.2	38.5	8.7	0.5	-	49.7	37.3
04:20 AM - 04:25 AM	39.5	46.2	-6.7	7.0	-	35.5	37.2
04:25 AM - 04:30 AM	39.7	37.5	2.2	4.5	-	39.7	36.1
04:30 AM - 04:35 AM	40.5	37.5	3.0	3.0	-	40.5	36.3
04:35 AM - 04:40 AM	49.7	50.8	-1.1	7.0	-	45.7	36.7
04:40 AM - 04:45 AM	45.5	39.0	6.5	1.0	-	47.5	36.4
04:45 AM - 04:50 AM	47.9	50.4	-2.5	7.0	-	43.9	37.8
04:50 AM - 04:55 AM	47.6	53.1	-5.5	7.0	-	43.6	37.9
04:55 AM - 05:00 AM	55.8	49.4	6.4	1.5	-	57.3	37.5
05:00 AM - 05:05 AM	50.0	45.2	4.8	1.5	-	51.5	37.8
05:05 AM - 05:10 AM	57.5	44.6	12.9	0.0	-	60.5	37.9
05:10 AM - 05:15 AM	43.1	47.0	-3.9	7.0	-	39.1	39.0
05:15 AM - 05:20 AM	51.1	52.5	-1.4	7.0	-	47.1	39.0
05:20 AM - 05:25 AM	55.2	53.1	2.1	4.5	-	53.7	39.8
05:25 AM - 05:30 AM	52.2	47.5	4.7	1.5	-	53.7	39.0
05:30 AM - 05:35 AM	53.9	49.1	4.8	1.5	-	55.4	39.6
05:35 AM - 05:40 AM	54.3	53.5	0.8	7.0	-	50.3	39.7
05:40 AM - 05:45 AM	56.4	54.5	1.9	4.5	-	54.9	40.7
05:45 AM - 05:50 AM	60.9	48.2	12.7	0.0	-	63.9	41.0
05:50 AM - 05:55 AM	63.0	53.2	9.8	0.5	-	65.5	43.6
05:55 AM - 06:00 AM	53.9	52.9	1.0	7.0	-	49.9	42.3
06:00 AM - 07:00 AM	58.3	57.9	0.4	7.0	-	54.3	45.5
07:00 AM - 08:00 AM	63.9	60.7	3.2	7.0	-	60.9	50.1
08:00 AM - 09:00 AM	63.4	57.6	5.8	1.5	-	61.9	58.2
09:00 AM - 10:00 AM	61.7	57.9	3.8	2.0	-	59.7	61.7
10:00 AM - 11:00 AM	67.2	57.1	10.1	0.5	-	66.7	42.5

Reference Method :

- ISO 1996-1
 - ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่คาดการณ์การรบกวนจากโรงงาน พ.ศ. 2553
- มาตรฐาน
- ประกาศกรมโรงงานอุตสาหกรรม เรื่อง ค่ามาตรฐานเสียงรบกวนระดับเสียงที่คาดการณ์การรบกวนจากโรงงาน พ.ศ. 2548
 - ประกาศกรมโรงงานอุตสาหกรรม เรื่อง กำหนดมาตรฐานเสียงรบกวนระดับเสียงที่คาดการณ์การรบกวนจากโรงงานที่เป็นอาคารอยู่อาศัย พ.ศ. 2561
- ระดับเสียงจากแหล่งกำเนิด จากการตรวจวัด วันที่ 27-28 สิงหาคม 2566
- ระดับเสียงที่ฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2397467-5 วันตรวจวัด 29-30 ตุลาคม 2566)

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabangporna, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :



Analysis / Test Report



TESTING
No.0042

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

Lot ID: 2397466
Date Received : Aug 30, 2023
Date Reported : Nov 03, 2023
Report Number : 2766794-1

P/O :
Project Name : Monitoring
Project Location :

Page 3 of 3

Sample No. 2397466-35
Parameter เสียงรบกวน
Location บ้านพักอาศัย (N1) (GPS 47P 0723882, 1430972)
Measurement Date Aug 28 - 29, 2023
Measurement by Sawai Tonpho
Sound Level Meter 00900073

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		ปรับค่าเสียงจากแหล่งกำเนิด	เสียงพื้นฐาน	ค่าเฉลี่ยการรบกวน
			ผลต่าง	ตัวปรับค่า			
			ระดับเสียง		ค่าจริง	ค่าปรับ	
03:45 AM - 03:50 AM	49.3	56.1	-6.8	7.0	-	45.3	35.5
03:50 AM - 03:55 AM	44.7	38.6	6.1	1.5	-	46.2	37.0
03:55 AM - 04:00 AM	42.6	43.6	-1.0	7.0	-	38.6	37.4
04:00 AM - 04:05 AM	44.5	43.0	1.5	4.5	-	43.0	36.4
04:05 AM - 04:10 AM	45.6	45.3	0.3	7.0	-	41.6	36.5
04:10 AM - 04:15 AM	46.2	47.8	-1.6	7.0	-	42.2	37.2
04:15 AM - 04:20 AM	44.7	38.5	6.2	1.5	-	46.2	37.3
04:20 AM - 04:25 AM	61.8	46.2	15.6	0.0	-	64.8	37.7
04:25 AM - 04:30 AM	42.6	37.5	5.1	1.5	-	44.1	36.1
04:30 AM - 04:35 AM	45.3	37.5	7.8	0.5	-	47.8	36.3
04:35 AM - 04:40 AM	52.0	50.8	1.2	7.0	-	48.0	36.7
04:40 AM - 04:45 AM	48.8	39.0	9.8	0.5	-	51.3	36.4
04:45 AM - 04:50 AM	46.6	50.4	-3.8	7.0	-	42.6	37.8
04:50 AM - 04:55 AM	48.6	53.1	-4.5	7.0	-	44.6	37.9
04:55 AM - 05:00 AM	46.2	49.4	-3.2	7.0	-	42.2	37.5
05:00 AM - 05:05 AM	50.1	45.2	4.9	1.5	-	51.6	37.8
05:05 AM - 05:10 AM	51.0	44.6	6.4	1.5	-	52.5	37.9
05:10 AM - 05:15 AM	50.4	47.0	3.4	3.0	-	50.4	39.0
05:15 AM - 05:20 AM	47.1	52.5	-5.4	7.0	-	43.1	39.0
05:20 AM - 05:25 AM	51.6	53.1	-1.5	7.0	-	47.6	39.8
05:25 AM - 05:30 AM	47.6	47.5	0.1	7.0	-	43.6	39.0
05:30 AM - 05:35 AM	48.1	49.1	-1.0	7.0	-	44.1	39.6
05:35 AM - 05:40 AM	58.1	53.5	4.6	1.5	-	59.6	39.7
05:40 AM - 05:45 AM	48.2	54.5	-6.3	7.0	-	44.2	40.7
05:45 AM - 05:50 AM	63.6	48.2	15.4	0.0	-	66.6	41.0
05:50 AM - 05:55 AM	54.7	53.2	1.5	4.5	-	53.2	43.6
05:55 AM - 06:00 AM	52.2	52.9	-0.7	7.0	-	48.2	42.3
06:00 AM - 07:00 AM	58.4	57.9	0.5	7.0	51.4	-	45.5
07:00 AM - 08:00 AM	64.7	60.7	4.0	2.0	62.7	-	50.1
08:00 AM - 09:00 AM	65.3	57.6	7.7	0.5	64.8	-	43.7
09:00 AM - 10:00 AM	59.2	57.9	1.3	7.0	52.2	-	41.7
10:00 AM - 11:00 AM	62.2	57.1	5.1	1.5	60.7	-	42.5
ค่าเฉลี่ยรวม							≤ 10

Reference Method :
1. ISO 1996-1
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
มาตรฐาน
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่ามาตรฐานเสียงรบกวนเสียงที่เกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
ระดับเสียงจากแหล่งกำเนิด จากการตรวจวัด วันที่ 28-29 สิงหาคม 2566
ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2397467-5 วันที่ตรวจวัด 29-30 ตุลาคม 2566)

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Approved by

Wilawan Borirak
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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2397467
Date Received : Nov 01, 2023
Date Reported : Nov 03, 2023
Report No. : 2825497-1

Page 1 of 3

Sample No. 2397467-1
Parameter Noise
Location ตำบลโคกโกลนโรงการ (GPS 47P 0727094, 1432212) (Shut down)
Measurement Date Oct 29 - 30, 2023
Measurement by Saknarin Jaraskay
Sound Level Meter 00709746

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	60.0	83.0	54.7
12:00 PM - 01:00 PM	59.4	81.9	42.7
01:00 PM - 02:00 PM	63.0	87.5	57.7
02:00 PM - 03:00 PM	53.1	82.7	44.1
03:00 PM - 04:00 PM	46.4	71.6	43.7
04:00 PM - 05:00 PM	46.3	65.2	43.7
05:00 PM - 06:00 PM	46.3	66.8	44.3
06:00 PM - 07:00 PM	57.2	62.2	55.7
07:00 PM - 08:00 PM	58.4	67.0	56.8
08:00 PM - 09:00 PM	56.3	66.3	54.5
09:00 PM - 10:00 PM	54.8	74.0	52.7
10:00 PM - 10:05 PM	54.8	57.9	53.1
10:05 PM - 10:10 PM	54.6	57.9	52.5
10:10 PM - 10:15 PM	53.8	57.9	51.3
10:15 PM - 10:20 PM	52.4	55.2	50.9
10:20 PM - 10:25 PM	52.3	55.7	51.1
10:25 PM - 10:30 PM	53.2	59.7	51.2
10:30 PM - 10:35 PM	52.7	55.7	51.2
10:35 PM - 10:40 PM	53.1	56.7	51.2
10:40 PM - 10:45 PM	52.1	56.5	50.6
10:45 PM - 10:50 PM	52.6	56.1	51.2
10:50 PM - 10:55 PM	53.7	56.8	52.1
10:55 PM - 11:00 PM	53.5	57.6	51.6
11:00 PM - 11:05 PM	53.8	56.6	52.3
11:05 PM - 11:10 PM	52.8	56.5	51.0
11:10 PM - 11:15 PM	52.6	56.2	50.7
11:15 PM - 11:20 PM	53.6	56.9	51.8
11:20 PM - 11:25 PM	54.2	57.5	52.3
11:25 PM - 11:30 PM	53.9	62.2	52.1
11:30 PM - 11:35 PM	53.5	56.8	51.8
11:35 PM - 11:40 PM	52.9	56.8	51.6
11:40 PM - 11:45 PM	52.7	55.7	50.8
11:45 PM - 11:50 PM	52.7	58.2	51.0
11:50 PM - 11:55 PM	53.2	58.7	51.5
11:55 PM - 12:00 AM	51.8	54.9	50.0
12:00 AM - 12:05 AM	51.7	56.8	49.9
12:05 AM - 12:10 AM	52.6	60.6	50.5
12:10 AM - 12:15 AM	52.2	56.1	50.4
12:15 AM - 12:20 AM	52.1	55.1	50.7
12:20 AM - 12:25 AM	51.7	54.6	50.1

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Wibb.

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2397467
Date Received : Nov 01, 2023
Date Reported : Nov 03, 2023
Report No. : 2825497-1

Page 3 of 3

Sample No. 2397467-1
Parameter Noise
Location ตำบลโคกโกลนโรงการ (GPS 47P 0727094, 1432212) (Shut down)
Measurement Date Oct 29 - 30, 2023
Measurement by Saknarin Jaraskay
Sound Level Meter 00709746

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:45 AM - 03:50 AM	52.2	49.0	49.0
03:50 AM - 03:55 AM	51.6	56.7	47.8
03:55 AM - 04:00 AM	50.0	55.4	47.0
04:00 AM - 04:05 AM	48.5	52.6	46.1
04:05 AM - 04:10 AM	48.4	51.6	45.9
04:10 AM - 04:15 AM	49.0	52.1	46.6
04:15 AM - 04:20 AM	47.5	51.8	45.8
04:20 AM - 04:25 AM	48.9	52.0	46.7
04:25 AM - 04:30 AM	49.1	52.8	47.0
04:30 AM - 04:35 AM	49.4	52.2	47.4
04:35 AM - 04:40 AM	49.5	52.3	47.3
04:40 AM - 04:45 AM	49.4	55.9	47.1
04:45 AM - 04:50 AM	55.0	68.7	47.7
04:50 AM - 04:55 AM	50.6	61.2	48.1
04:55 AM - 05:00 AM	51.0	55.7	48.6
05:00 AM - 05:05 AM	50.9	55.8	47.5
05:05 AM - 05:10 AM	51.3	54.2	47.9
05:10 AM - 05:15 AM	52.0	58.3	48.4
05:15 AM - 05:20 AM	52.5	58.6	48.8
05:20 AM - 05:25 AM	53.0	58.7	49.9
05:25 AM - 05:30 AM	53.0	56.6	50.0
05:30 AM - 05:35 AM	55.7	68.0	50.9
05:35 AM - 05:40 AM	53.4	56.4	50.6
05:40 AM - 05:45 AM	53.3	55.8	50.3
05:45 AM - 05:50 AM	53.8	60.9	51.4
05:50 AM - 05:55 AM	53.1	56.7	50.5
05:55 AM - 06:00 AM	51.1	55.2	48.3
06:00 AM - 07:00 AM	50.9	64.6	46.4
07:00 AM - 08:00 AM	49.7	69.5	46.8
08:00 AM - 09:00 AM	48.1	63.2	45.5
09:00 AM - 10:00 AM	48.2	67.4	45.3
10:00 AM - 11:00 AM	45.8	61.0	44.2

Reference Method :

- ISO 1996-1
- ประกาศกรมอุตุนิยมวิทยา เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการทำงานของเครื่องจักรโรงงาน พ.ศ. 2553

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7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2397467
Date Received : Nov 01, 2023
Date Reported : Nov 03, 2023
Report No. : 2825497-1

Page 2 of 3

Sample No. 2397467-1
Parameter Noise
Location ตำบลโคกโกลนโรงการ (GPS 47P 0727094, 1432212) (Shut down)
Measurement Date Oct 29 - 30, 2023
Measurement by Saknarin Jaraskay
Sound Level Meter 00709746

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:25 AM - 12:30 AM	51.5	54.3	49.6
12:30 AM - 12:35 AM	51.3	54.1	50.0
12:35 AM - 12:40 AM	52.0	54.7	50.5
12:40 AM - 12:45 AM	54.0	56.4	53.0
12:45 AM - 12:50 AM	53.9	59.0	52.9
12:50 AM - 12:55 AM	53.2	59.0	51.3
12:55 AM - 01:00 AM	52.4	55.4	51.0
01:00 AM - 01:05 AM	52.1	55.2	50.8
01:05 AM - 01:10 AM	51.2	54.7	49.6
01:10 AM - 01:15 AM	51.7	55.1	50.1
01:15 AM - 01:20 AM	52.7	55.5	51.0
01:20 AM - 01:25 AM	52.8	55.5	50.8
01:25 AM - 01:30 AM	53.3	55.8	51.4
01:30 AM - 01:35 AM	53.2	55.5	51.2
01:35 AM - 01:40 AM	53.2	56.5	51.2
01:40 AM - 01:45 AM	53.3	58.1	51.0
01:45 AM - 01:50 AM	53.6	56.0	51.5
01:50 AM - 01:55 AM	53.2	56.0	50.8
01:55 AM - 02:00 AM	53.2	55.9	50.7
02:00 AM - 02:05 AM	53.2	58.7	50.9
02:05 AM - 02:10 AM	52.9	55.9	50.4
02:10 AM - 02:15 AM	53.2	56.2	51.1
02:15 AM - 02:20 AM	53.6	56.4	51.3
02:20 AM - 02:25 AM	53.2	56.2	51.0
02:25 AM - 02:30 AM	53.5	56.3	51.3
02:30 AM - 02:35 AM	53.3	56.3	51.2
02:35 AM - 02:40 AM	53.4	56.0	50.8
02:40 AM - 02:45 AM	53.0	55.6	50.0
02:45 AM - 02:50 AM	53.0	55.7	50.0
02:50 AM - 02:55 AM	49.5	55.1	47.6
02:55 AM - 03:00 AM	48.8	54.6	47.0
03:00 AM - 03:05 AM	49.8	53.2	47.9
03:05 AM - 03:10 AM	49.5	56.1	47.3
03:10 AM - 03:15 AM	50.8	57.2	48.2
03:15 AM - 03:20 AM	51.1	57.4	48.6
03:20 AM - 03:25 AM	52.4	60.6	49.0
03:25 AM - 03:30 AM	53.5	60.1	49.5
03:30 AM - 03:35 AM	52.4	59.9	49.3
03:35 AM - 03:40 AM	52.5	59.4	49.8
03:40 AM - 03:45 AM	51.8	58.5	49.2

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Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2397467
Date Received : Nov 01, 2023
Date Reported : Nov 03, 2023
Report No. : 2825497-1

Page 1 of 3

Sample No. 2397467-2
Parameter Noise
Location ตำบลโคกโกลนโรงการ (GPS 47P 0727793, 1433011) (Shut down)
Measurement Date Oct 29 - 30, 2023
Measurement by Saknarin Jaraskay
Sound Level Meter 00296518

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	61.1	85.0	55.0
12:00 PM - 01:00 PM	63.6	86.8	57.7
01:00 PM - 02:00 PM	64.8	84.8	61.1
02:00 PM - 03:00 PM	61.7	84.5	55.4
03:00 PM - 04:00 PM	60.1	75.4	53.5
04:00 PM - 05:00 PM	60.4	79.5	52.9
05:00 PM - 06:00 PM	59.1	85.5	52.3
06:00 PM - 07:00 PM	68.7	77.1	51.1
07:00 PM - 08:00 PM	61.0	78.3	54.1
08:00 PM - 09:00 PM	61.3	80.3	54.4
09:00 PM - 10:00 PM	54.1	71.7	48.2
10:00 PM - 10:05 PM	52.1	64.8	46.7
10:05 PM - 10:10 PM	52.5	65.3	47.0
10:10 PM - 10:15 PM	53.3	66.3	46.9
10:15 PM - 10:20 PM	52.4	63.0	46.9
10:20 PM - 10:25 PM	56.7	72.4	47.9
10:25 PM - 10:30 PM	54.3	68.8	48.3
10:30 PM - 10:35 PM	50.3	57.4	48.2
10:35 PM - 10:40 PM	56.2	69.5	48.5
10:40 PM - 10:45 PM	53.1	66.8	47.7
10:45 PM - 10:50 PM	52.7	66.6	47.4
10:50 PM - 10:55 PM	52.2	64.4	47.5
10:55 PM - 11:00 PM	50.8	67.8	47.2
11:00 PM - 11:05 PM	60.4	73.4	46.9
11:05 PM - 11:10 PM	52.9	66.4	47.3
11:10 PM - 11:15 PM	54.7	74.2	48.0
11:15 PM - 11:20 PM	51.2	65.0	47.3
11:20 PM - 11:25 PM	49.0	60.6	47.1
11:25 PM - 11:30 PM	51.8	60.4	47.6
11:30 PM - 11:35 PM	51.3	61.3	47.4
11:35 PM - 11:40 PM	50.9	66.3	47.4
11:40 PM - 11:45 PM	58.4	76.7	47.7
11:45 PM - 11:50 PM	52.4	63.5	48.1
11:50 PM - 11:55 PM	51.5	67.3	47.6
11:55 PM - 12:00 AM	53.5	70.9	47.3
12:00 AM - 12:05 AM	53.4	67.8	46.9
12:05 AM - 12:10 AM	50.1	62.0	46.9
12:10 AM - 12:15 AM	56.9	74.7	46.8
12:15 AM - 12:20 AM	57.8	77.5	46.9
12:20 AM - 12:25 AM	47.3	52.9	46.7

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7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2397467
Date Received : Nov 01, 2023
Date Reported : Nov 03, 2023
Report No. : 2825498-1

Page 2 of 3

Sample No. 2397467-2
Parameter Noise
Location ตำบลบ้านคลองโหลงโคกราก (GPS 47P 0727793, 1433011) (Shut down)
Measurement Date Oct 29 - 30, 2023
Measurement by Saknarin Jaraskay
Sound Level Meter 00296518

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:25 AM - 12:30 AM	48.6	58.8	46.9
12:30 AM - 12:35 AM	49.3	60.0	47.4
12:35 AM - 12:40 AM	53.1	66.6	48.2
12:40 AM - 12:45 AM	51.7	64.4	47.3
12:45 AM - 12:50 AM	57.8	76.8	47.3
12:50 AM - 12:55 AM	54.4	65.1	48.1
12:55 AM - 01:00 AM	55.2	67.6	48.0
01:00 AM - 01:05 AM	52.3	63.2	49.6
01:05 AM - 01:10 AM	50.1	55.5	49.2
01:10 AM - 01:15 AM	62.4	77.8	48.8
01:15 AM - 01:20 AM	49.9	62.1	48.1
01:20 AM - 01:25 AM	51.9	66.4	46.8
01:25 AM - 01:30 AM	52.6	67.0	46.7
01:30 AM - 01:35 AM	52.5	67.0	46.1
01:35 AM - 01:40 AM	53.9	66.5	46.4
01:40 AM - 01:45 AM	48.1	59.5	46.2
01:45 AM - 01:50 AM	49.1	58.4	46.4
01:50 AM - 01:55 AM	50.1	61.0	48.0
01:55 AM - 02:00 AM	50.1	63.5	47.3
02:00 AM - 02:05 AM	46.7	48.7	46.1
02:05 AM - 02:10 AM	47.8	58.0	47.3
02:10 AM - 02:15 AM	46.6	48.8	46.2
02:15 AM - 02:20 AM	49.5	62.9	45.9
02:20 AM - 02:25 AM	49.1	62.1	45.6
02:25 AM - 02:30 AM	48.2	60.0	46.9
02:30 AM - 02:35 AM	47.9	50.4	47.4
02:35 AM - 02:40 AM	47.9	53.7	47.2
02:40 AM - 02:45 AM	54.2	70.2	47.6
02:45 AM - 02:50 AM	50.8	63.0	48.7
02:50 AM - 02:55 AM	52.3	61.6	48.6
02:55 AM - 03:00 AM	48.9	58.1	47.9
03:00 AM - 03:05 AM	49.7	56.9	48.9
03:05 AM - 03:10 AM	50.8	61.9	49.1
03:10 AM - 03:15 AM	53.2	70.2	48.5
03:15 AM - 03:20 AM	49.1	62.3	47.4
03:20 AM - 03:25 AM	48.1	54.7	47.5
03:25 AM - 03:30 AM	48.5	51.9	47.6
03:30 AM - 03:35 AM	52.1	68.7	48.5
03:35 AM - 03:40 AM	49.1	53.3	48.2
03:40 AM - 03:45 AM	50.0	57.5	47.5

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Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2397467
Date Received : Nov 01, 2023
Date Reported : Nov 03, 2023
Report No. : 2825499-1

Page 1 of 3

Sample No. 2397467-3
Parameter Noise
Location ตำบลบ้านคลองโหลงโคกราก (GPS 47P 0727204, 1433094) (Shut down)
Measurement Date Oct 29 - 30, 2023
Measurement by Saknarin Jaraskay
Sound Level Meter 00900073

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	60.7	74.9	54.9
12:00 PM - 01:00 PM	60.5	76.3	54.1
01:00 PM - 02:00 PM	62.2	84.5	57.6
02:00 PM - 03:00 PM	65.0	86.6	59.9
03:00 PM - 04:00 PM	63.3	87.9	58.0
04:00 PM - 05:00 PM	63.6	89.1	58.2
05:00 PM - 06:00 PM	62.9	86.8	58.5
06:00 PM - 07:00 PM	62.4	79.5	57.9
07:00 PM - 08:00 PM	62.6	77.5	57.6
08:00 PM - 09:00 PM	60.7	76.8	55.7
09:00 PM - 10:00 PM	56.1	74.4	50.1
10:00 PM - 10:05 PM	52.1	61.0	49.9
10:05 PM - 10:10 PM	54.0	65.0	50.7
10:10 PM - 10:15 PM	54.3	64.9	51.0
10:15 PM - 10:20 PM	55.3	63.7	51.0
10:20 PM - 10:25 PM	55.7	63.0	52.2
10:25 PM - 10:30 PM	57.5	68.4	52.2
10:30 PM - 10:35 PM	57.0	68.8	50.6
10:35 PM - 10:40 PM	57.1	72.8	49.1
10:40 PM - 10:45 PM	54.8	64.7	49.1
10:45 PM - 10:50 PM	54.8	67.4	48.4
10:50 PM - 10:55 PM	54.9	65.6	49.1
10:55 PM - 11:00 PM	55.0	65.2	50.5
11:00 PM - 11:05 PM	54.4	62.4	51.0
11:05 PM - 11:10 PM	55.7	62.7	52.1
11:10 PM - 11:15 PM	53.5	68.7	49.6
11:15 PM - 11:20 PM	56.2	73.1	49.2
11:20 PM - 11:25 PM	52.2	62.1	49.3
11:25 PM - 11:30 PM	57.3	74.1	49.6
11:30 PM - 11:35 PM	56.0	69.4	49.5
11:35 PM - 11:40 PM	52.7	69.1	49.2
11:40 PM - 11:45 PM	52.6	64.4	48.3
11:45 PM - 11:50 PM	49.4	61.2	46.9
11:50 PM - 11:55 PM	47.8	56.3	46.7
11:55 PM - 12:00 AM	52.4	66.7	46.9
12:00 AM - 12:05 AM	52.6	64.1	47.1
12:05 AM - 12:10 AM	54.6	71.2	46.8
12:10 AM - 12:15 AM	50.5	62.3	47.1
12:15 AM - 12:20 AM	49.9	61.3	47.1
12:20 AM - 12:25 AM	53.9	64.0	48.3

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Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2397467
Date Received : Nov 01, 2023
Date Reported : Nov 03, 2023
Report No. : 2825498-1

Page 3 of 3

Sample No. 2397467-2
Parameter Noise
Location ตำบลบ้านคลองโหลงโคกราก (GPS 47P 0727793, 1433011) (Shut down)
Measurement Date Oct 29 - 30, 2023
Measurement by Saknarin Jaraskay
Sound Level Meter 00296518

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:45 AM - 03:50 AM	52.6	66.8	46.6
03:50 AM - 03:55 AM	49.6	63.0	46.2
03:55 AM - 04:00 AM	48.1	59.0	45.8
04:00 AM - 04:05 AM	49.8	64.0	46.0
04:05 AM - 04:10 AM	51.0	65.5	46.4
04:10 AM - 04:15 AM	49.8	64.5	46.1
04:15 AM - 04:20 AM	50.5	65.1	45.5
04:20 AM - 04:25 AM	47.1	57.8	45.2
04:25 AM - 04:30 AM	49.0	61.2	45.8
04:30 AM - 04:35 AM	49.1	61.4	45.5
04:35 AM - 04:40 AM	51.2	62.6	45.6
04:40 AM - 04:45 AM	51.6	69.0	45.0
04:45 AM - 04:50 AM	54.6	69.6	45.3
04:50 AM - 04:55 AM	51.5	65.7	45.1
04:55 AM - 05:00 AM	50.1	64.0	45.0
05:00 AM - 05:05 AM	56.6	73.6	45.3
05:05 AM - 05:10 AM	54.5	66.8	46.4
05:10 AM - 05:15 AM	60.3	78.6	46.2
05:15 AM - 05:20 AM	52.5	66.5	46.3
05:20 AM - 05:25 AM	57.0	70.9	47.1
05:25 AM - 05:30 AM	57.0	71.2	46.8
05:30 AM - 05:35 AM	56.4	65.9	48.4
05:35 AM - 05:40 AM	59.0	76.7	48.8
05:40 AM - 05:45 AM	54.2	66.2	47.3
05:45 AM - 05:50 AM	57.0	74.2	48.7
05:50 AM - 05:55 AM	57.0	69.7	49.7
05:55 AM - 06:00 AM	59.7	77.9	49.7
06:00 AM - 07:00 AM	61.7	79.0	55.5
07:00 AM - 08:00 AM	65.2	90.1	59.7
08:00 AM - 09:00 AM	63.8	79.3	58.3
09:00 AM - 10:00 AM	61.4	75.1	58.4
10:00 AM - 11:00 AM	61.0	78.5	54.6

Reference Method :

- ISO 1996-1
- ประเทศไทยในรายงานผลการตรวจวัดเสียงตามข้อกำหนดของกรมส่งเสริมการค้าระหว่างประเทศ พ.ศ. 2553

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7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2397467
Date Received : Nov 01, 2023
Date Reported : Nov 03, 2023
Report No. : 2825499-1

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Sample No. 2397467-3
Parameter Noise
Location ตำบลบ้านคลองโหลงโคกราก (GPS 47P 0727204, 1433094) (Shut down)
Measurement Date Oct 29 - 30, 2023
Measurement by Saknarin Jaraskay
Sound Level Meter 00900073

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:25 AM - 12:30 AM	50.8	62.9	47.6
12:30 AM - 12:35 AM	53.1	67.3	47.4
12:35 AM - 12:40 AM	50.5	65.4	46.9
12:40 AM - 12:45 AM	52.0	64.0	47.1
12:45 AM - 12:50 AM	52.5	64.4	47.5
12:50 AM - 12:55 AM	49.2	60.6	46.8
12:55 AM - 01:00 AM	48.1	57.5	46.7
01:00 AM - 01:05 AM	58.5	76.5	46.8
01:05 AM - 01:10 AM	47.3	53.3	46.6
01:10 AM - 01:15 AM	48.6	59.9	46.7
01:15 AM - 01:20 AM	48.6	60.8	46.5
01:20 AM - 01:25 AM	51.2	64.5	46.2
01:25 AM - 01:30 AM	51.2	62.4	46.1
01:30 AM - 01:35 AM	50.2	62.6	46.2
01:35 AM - 01:40 AM	51.8	64.4	46.4
01:40 AM - 01:45 AM	52.6	60.8	46.7
01:45 AM - 01:50 AM	49.6	59.9	46.5
01:50 AM - 01:55 AM	48.7	59.9	46.3
01:55 AM - 02:00 AM	52.2	63.7	46.8
02:00 AM - 02:05 AM	51.2	66.2	46.7
02:05 AM - 02:10 AM	53.3	67.2	46.8
02:10 AM - 02:15 AM	49.1	62.2	46.6
02:15 AM - 02:20 AM	49.1	62.1	46.6
02:20 AM - 02:25 AM	48.5	60.2	46.4
02:25 AM - 02:30 AM	49.1	60.9	46.5
02:30 AM - 02:35 AM	51.0	67.0	46.8
02:35 AM - 02:40 AM	47.3	53.2	46.4
02:40 AM - 02:45 AM	47.4	53.3	46.5
02:45 AM - 02:50 AM	50.4	65.0	46.8
02:50 AM - 02:55 AM	48.6	60.7	46.7
02:55 AM - 03:00 AM	47.1	53.7	46.4
03:00 AM - 03:05 AM	47.0	51.7	46.2
03:05 AM - 03:10 AM	48.8	61.6	46.6
03:10 AM - 03:15 AM	47.3	56.0	46.1
03:15 AM - 03:20 AM	47.0	52.4	46.3
03:20 AM - 03:25 AM	49.5	61.4	46.5
03:25 AM - 03:30 AM	51.7	61.9	46.8
03:30 AM - 03:35 AM	49.2	61.7	46.2
03:35 AM - 03:40 AM	50.6	62.8	45.9
03:40 AM - 03:45 AM	51.2	65.5	46.4

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7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2397467
Date Received : Nov 01, 2023
Date Reported : Nov 03, 2023
Report No. : 2825499-1

Page 3 of 3

Sample No. 2397467-3
Parameter Noise
Location ตำบลห้วยหินสอหนองปรือ (GPS 47P 0727204, 1433094) (Shut down)
Measurement Date Oct 29 - 30, 2023
Measurement by Saknarin Jaraskay
Sound Level Meter 00900073

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:45 AM - 03:50 AM	49.4	61.5	46.1
03:50 AM - 03:55 AM	48.9	59.4	46.1
03:55 AM - 04:00 AM	50.2	63.5	46.1
04:00 AM - 04:05 AM	52.3	67.0	46.1
04:05 AM - 04:10 AM	49.5	61.9	46.2
04:10 AM - 04:15 AM	52.3	65.2	46.3
04:15 AM - 04:20 AM	61.0	75.8	47.0
04:20 AM - 04:25 AM	53.3	67.5	46.3
04:25 AM - 04:30 AM	53.7	65.1	47.1
04:30 AM - 04:35 AM	51.0	67.1	46.1
04:35 AM - 04:40 AM	54.3	65.3	46.7
04:40 AM - 04:45 AM	54.5	66.3	46.7
04:45 AM - 04:50 AM	56.5	66.1	47.6
04:50 AM - 04:55 AM	55.8	67.6	47.6
04:55 AM - 05:00 AM	57.8	74.9	48.8
05:00 AM - 05:05 AM	58.8	72.3	48.6
05:05 AM - 05:10 AM	54.6	68.2	48.7
05:10 AM - 05:15 AM	56.1	66.2	48.7
05:15 AM - 05:20 AM	57.0	68.1	50.1
05:20 AM - 05:25 AM	57.1	66.4	48.7
05:25 AM - 05:30 AM	57.0	69.0	49.7
05:30 AM - 05:35 AM	58.2	76.0	49.2
05:35 AM - 05:40 AM	57.9	69.6	50.4
05:40 AM - 05:45 AM	58.5	70.6	48.3
05:45 AM - 05:50 AM	57.2	66.5	50.3
05:50 AM - 05:55 AM	59.6	70.3	51.7
05:55 AM - 06:00 AM	59.5	69.5	51.5
06:00 AM - 07:00 AM	63.9	79.8	58.2
07:00 AM - 08:00 AM	65.6	83.1	60.3
08:00 AM - 09:00 AM	64.2	79.6	58.6
09:00 AM - 10:00 AM	62.1	78.0	56.1
10:00 AM - 11:00 AM	60.7	76.3	55.6

Reference Method :
1. ISO 1996-1
2. ประกาศกระทรวงมหาดไทย เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ณ พื้นผิวเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่ได้จากการประเมินค่าการรายงาน พ.ศ. 2553

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7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2397467
Date Received : Nov 01, 2023
Date Reported : Nov 03, 2023
Report No. : 2825500-1

Page 2 of 3

Sample No. 2397467-4
Parameter Noise
Location ตำบลห้วยหินสอหนองปรือ (GPS 47P 07272619, 1433056) (Shut down)
Measurement Date Oct 29 - 30, 2023
Measurement by Saknarin Jaraskay
Sound Level Meter 00900074

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:25 AM - 12:30 AM	48.3	52.8	47.6
12:30 AM - 12:35 AM	48.8	52.0	48.1
12:35 AM - 12:40 AM	49.4	51.4	48.8
12:40 AM - 12:45 AM	50.1	59.6	49.2
12:45 AM - 12:50 AM	51.4	53.4	50.6
12:50 AM - 12:55 AM	55.4	70.4	49.4
12:55 AM - 01:00 AM	55.4	72.2	48.5
01:00 AM - 01:05 AM	53.8	72.2	47.8
01:05 AM - 01:10 AM	48.9	52.9	48.1
01:10 AM - 01:15 AM	49.7	59.4	48.6
01:15 AM - 01:20 AM	49.7	57.4	48.7
01:20 AM - 01:25 AM	48.3	60.3	47.4
01:25 AM - 01:30 AM	47.9	50.1	47.2
01:30 AM - 01:35 AM	47.9	50.0	47.1
01:35 AM - 01:40 AM	48.0	50.6	47.3
01:40 AM - 01:45 AM	48.3	59.7	47.5
01:45 AM - 01:50 AM	49.2	52.1	48.6
01:50 AM - 01:55 AM	49.6	51.3	48.7
01:55 AM - 02:00 AM	50.1	52.3	49.2
02:00 AM - 02:05 AM	49.1	51.7	48.0
02:05 AM - 02:10 AM	48.7	50.9	48.0
02:10 AM - 02:15 AM	48.0	50.5	47.2
02:15 AM - 02:20 AM	49.2	59.0	48.0
02:20 AM - 02:25 AM	51.4	54.3	49.0
02:25 AM - 02:30 AM	50.6	52.7	49.6
02:30 AM - 02:35 AM	50.0	53.0	49.1
02:35 AM - 02:40 AM	49.9	52.5	48.7
02:40 AM - 02:45 AM	48.9	50.9	48.2
02:45 AM - 02:50 AM	49.4	59.6	48.8
02:50 AM - 02:55 AM	49.4	51.5	48.8
02:55 AM - 03:00 AM	49.3	52.2	48.3
03:00 AM - 03:05 AM	49.5	51.9	48.6
03:05 AM - 03:10 AM	48.6	50.9	47.6
03:10 AM - 03:15 AM	48.5	50.4	47.8
03:15 AM - 03:20 AM	48.7	59.9	47.5
03:20 AM - 03:25 AM	49.8	51.9	49.0
03:25 AM - 03:30 AM	48.9	51.5	47.8
03:30 AM - 03:35 AM	48.7	58.2	47.8
03:35 AM - 03:40 AM	49.1	57.8	47.2
03:40 AM - 03:45 AM	48.9	57.6	47.5

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7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2397467
Date Received : Nov 01, 2023
Date Reported : Nov 03, 2023
Report No. : 2825500-1

Page 1 of 3

Sample No. 2397467-4
Parameter Noise
Location ตำบลห้วยหินสอหนองปรือ (GPS 47P 07272619, 1433056) (Shut down)
Measurement Date Oct 29 - 30, 2023
Measurement by Saknarin Jaraskay
Sound Level Meter 00900074

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	48.9	71.2	46.2
12:00 PM - 01:00 PM	59.7	89.3	49.5
01:00 PM - 02:00 PM	59.6	84.5	53.5
02:00 PM - 03:00 PM	57.3	85.0	50.4
03:00 PM - 04:00 PM	52.2	73.8	49.4
04:00 PM - 05:00 PM	50.7	73.5	48.0
05:00 PM - 06:00 PM	53.1	74.1	48.5
06:00 PM - 07:00 PM	51.5	66.2	49.6
07:00 PM - 08:00 PM	53.4	77.1	49.2
08:00 PM - 09:00 PM	57.3	81.4	49.8
09:00 PM - 10:00 PM	50.2	66.0	48.4
10:00 PM - 10:05 PM	49.6	59.1	48.0
10:05 PM - 10:10 PM	49.9	62.2	47.9
10:10 PM - 10:15 PM	49.4	59.6	47.7
10:15 PM - 10:20 PM	50.3	63.0	48.3
10:20 PM - 10:25 PM	49.0	59.4	47.6
10:25 PM - 10:30 PM	48.7	52.4	47.7
10:30 PM - 10:35 PM	49.5	53.7	48.6
10:35 PM - 10:40 PM	49.6	52.3	48.7
10:40 PM - 10:45 PM	49.6	59.8	48.6
10:45 PM - 10:50 PM	50.2	58.9	48.7
10:50 PM - 10:55 PM	49.5	63.4	47.6
10:55 PM - 11:00 PM	48.9	56.8	47.5
11:00 PM - 11:05 PM	48.7	52.3	47.8
11:05 PM - 11:10 PM	49.1	54.0	48.1
11:10 PM - 11:15 PM	48.9	59.3	47.9
11:15 PM - 11:20 PM	49.1	50.9	49.6
11:20 PM - 11:25 PM	49.1	55.3	47.9
11:25 PM - 11:30 PM	48.2	51.3	47.4
11:30 PM - 11:35 PM	48.1	50.9	47.8
11:35 PM - 11:40 PM	50.3	65.9	47.4
11:40 PM - 11:45 PM	51.3	63.0	47.4
11:45 PM - 11:50 PM	50.5	61.1	48.7
11:50 PM - 11:55 PM	51.5	67.1	48.4
11:55 PM - 12:00 AM	54.8	72.3	47.0
12:00 AM - 12:05 AM	54.0	72.3	47.5
12:05 AM - 12:10 AM	48.5	51.2	47.5
12:10 AM - 12:15 AM	49.1	59.6	47.0
12:15 AM - 12:20 AM	48.6	52.0	47.9
12:20 AM - 12:25 AM	47.8	49.9	46.8

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Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2397467
Date Received : Nov 01, 2023
Date Reported : Nov 03, 2023
Report No. : 2825500-1

Page 3 of 3

Sample No. 2397467-4
Parameter Noise
Location ตำบลห้วยหินสอหนองปรือ (GPS 47P 07272619, 1433056) (Shut down)
Measurement Date Oct 29 - 30, 2023
Measurement by Saknarin Jaraskay
Sound Level Meter 00900074

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:45 AM - 03:50 AM	48.2	50.0	47.6
03:50 AM - 03:55 AM	61.6	78.2	47.8
03:55 AM - 04:00 AM	48.6	52.8	47.4
04:00 AM - 04:05 AM	48.7	57.8	47.6
04:05 AM - 04:10 AM	48.8	50.7	47.9
04:10 AM - 04:15 AM	47.7	57.8	46.8
04:15 AM - 04:20 AM	47.5	50.0	46.6
04:20 AM - 04:25 AM	48.2	60.1	46.7
04:25 AM - 04:30 AM	48.6	52.0	47.6
04:30 AM - 04:35 AM	47.9	51.4	47.0
04:35 AM - 04:40 AM	47.4	51.3	46.5
04:40 AM - 04:45 AM	47.8	53.2	46.8
04:45 AM - 04:50 AM	47.8	52.3	46.6
04:50 AM - 04:55 AM	48.4	58.8	47.6
04:55 AM - 05:00 AM	55.6	72.2	48.5
05:00 AM - 05:05 AM	54.0	72.5	46.9
05:05 AM - 05:10 AM	48.5	58.4	46.9
05:10 AM - 05:15 AM	47.7	51.0	46.7
05:15 AM - 05:20 AM	49.3	60.9	47.3
05:20 AM - 05:25 AM	54.9	69.8	47.6
05:25 AM - 05:30 AM	56.2	70.3	48.7
05:30 AM - 05:35 AM	51.0	68.0	47.7
05:35 AM - 05:40 AM	50.1	58.5	48.4
05:40 AM - 05:45 AM	50.0	60.0	47.9
05:45 AM - 05:50 AM	49.8	66.1	47.7
05:50 AM - 05:55 AM	49.4	54.9	48.3
05:55 AM - 06:00 AM	49.1	64.7	49.0
06:00 AM - 07:00 AM	55.4	77.7	49.9
07:00 AM - 08:00 AM	58.1	83.3	51.6
08:00 AM - 09:00 AM	57.2	80.2	49.8
09:00 AM - 10:00 AM	54.5	78.5	49.3
10:00 AM - 11:00 AM	54.0	83.5	49.0

Reference Method :
1. ISO 1996-1
2. ประกาศกระทรวงมหาดไทย เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ณ พื้นผิวเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่ได้จากการประเมินค่าการรายงาน พ.ศ. 2553

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2397467
Date Received : Nov 01, 2023
Date Reported : Nov 03, 2023
Report No. : 2825501-1

Page 1 of 3

Sample No. 2397467-5
Parameter Noise
Location บ้านใหม่ไผ่เงิน (N1) (GPS 47P 0723882, 1430972) (Shut down)
Measurement Date Oct 29 - 30, 2023
Measurement by Saknarin Jaraskay
Sound Level Meter 00900071

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	56.0	75.3	39.7
12:00 PM - 01:00 PM	59.8	84.3	48.4
01:00 PM - 02:00 PM	58.7	80.8	47.7
02:00 PM - 03:00 PM	61.4	87.0	53.3
03:00 PM - 04:00 PM	59.2	74.6	53.8
04:00 PM - 05:00 PM	59.5	85.6	45.7
05:00 PM - 06:00 PM	59.2	81.6	45.3
06:00 PM - 07:00 PM	56.5	78.7	45.3
07:00 PM - 08:00 PM	56.4	76.8	44.6
08:00 PM - 09:00 PM	54.7	80.6	43.2
09:00 PM - 10:00 PM	52.4	76.6	41.6
10:00 PM - 10:05 PM	51.4	67.5	42.5
10:05 PM - 10:10 PM	48.8	64.5	41.2
10:10 PM - 10:15 PM	54.1	70.6	41.1
10:15 PM - 10:20 PM	45.0	58.9	40.5
10:20 PM - 10:25 PM	59.6	78.1	42.5
10:25 PM - 10:30 PM	53.0	71.0	41.3
10:30 PM - 10:35 PM	52.5	66.3	42.0
10:35 PM - 10:40 PM	50.8	64.8	41.3
10:40 PM - 10:45 PM	51.6	70.8	41.2
10:45 PM - 10:50 PM	49.5	63.3	42.3
10:50 PM - 10:55 PM	48.5	61.1	41.3
10:55 PM - 11:00 PM	49.6	66.9	40.9
11:00 PM - 11:05 PM	48.5	64.9	41.1
11:05 PM - 11:10 PM	53.4	68.1	41.6
11:10 PM - 11:15 PM	58.9	78.7	42.4
11:15 PM - 11:20 PM	51.2	69.3	40.1
11:20 PM - 11:25 PM	49.7	69.4	40.3
11:25 PM - 11:30 PM	50.7	68.3	40.6
11:30 PM - 11:35 PM	48.2	62.9	40.7
11:35 PM - 11:40 PM	47.1	61.2	41.2
11:40 PM - 11:45 PM	50.5	66.5	40.6
11:45 PM - 11:50 PM	53.7	70.7	40.4
11:50 PM - 11:55 PM	40.4	57.4	39.1
11:55 PM - 12:00 AM	39.9	48.9	39.8
12:00 AM - 12:05 AM	41.9	51.3	39.7
12:05 AM - 12:10 AM	48.6	63.4	39.4
12:10 AM - 12:15 AM	44.7	63.2	39.7
12:15 AM - 12:20 AM	51.1	68.5	39.9
12:20 AM - 12:25 AM	43.7	60.6	39.0

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7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2397467
Date Received : Nov 01, 2023
Date Reported : Nov 03, 2023
Report No. : 2825501-1

Page 2 of 3

Sample No. 2397467-5
Parameter Noise
Location บ้านใหม่ไผ่เงิน (N1) (GPS 47P 0723882, 1430972) (Shut down)
Measurement Date Oct 29 - 30, 2023
Measurement by Saknarin Jaraskay
Sound Level Meter 00900071

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:25 AM - 12:30 AM	45.9	65.9	39.4
12:30 AM - 12:35 AM	43.6	57.5	40.9
12:35 AM - 12:40 AM	41.7	47.2	40.8
12:40 AM - 12:45 AM	48.8	66.9	40.3
12:45 AM - 12:50 AM	47.7	63.7	39.5
12:50 AM - 12:55 AM	46.5	62.0	39.2
12:55 AM - 01:00 AM	44.6	64.0	40.2
01:00 AM - 01:05 AM	49.9	65.6	39.7
01:05 AM - 01:10 AM	48.0	65.8	39.0
01:10 AM - 01:15 AM	50.7	66.6	39.7
01:15 AM - 01:20 AM	45.6	68.5	39.5
01:20 AM - 01:25 AM	40.0	43.6	39.4
01:25 AM - 01:30 AM	53.3	70.5	40.0
01:30 AM - 01:35 AM	50.9	67.7	39.7
01:35 AM - 01:40 AM	45.6	60.2	39.3
01:40 AM - 01:45 AM	44.9	64.7	39.6
01:45 AM - 01:50 AM	46.3	63.5	39.8
01:50 AM - 01:55 AM	46.5	61.8	39.5
01:55 AM - 02:00 AM	49.2	65.0	39.7
02:00 AM - 02:05 AM	41.0	57.7	39.0
02:05 AM - 02:10 AM	45.7	63.8	37.5
02:10 AM - 02:15 AM	40.0	56.0	38.0
02:15 AM - 02:20 AM	46.1	62.7	37.1
02:20 AM - 02:25 AM	42.5	57.7	37.2
02:25 AM - 02:30 AM	43.9	60.6	37.2
02:30 AM - 02:35 AM	39.0	53.1	37.7
02:35 AM - 02:40 AM	38.2	49.0	37.2
02:40 AM - 02:45 AM	52.8	72.9	37.2
02:45 AM - 02:50 AM	38.6	45.7	37.3
02:50 AM - 02:55 AM	40.3	54.3	37.8
02:55 AM - 03:00 AM	40.9	53.2	37.8
03:00 AM - 03:05 AM	39.6	49.3	37.8
03:05 AM - 03:10 AM	40.0	54.0	37.6
03:10 AM - 03:15 AM	55.5	76.2	36.0
03:15 AM - 03:20 AM	39.7	52.9	36.6
03:20 AM - 03:25 AM	42.0	55.7	37.0
03:25 AM - 03:30 AM	39.9	50.1	37.5
03:30 AM - 03:35 AM	40.8	54.9	37.1
03:35 AM - 03:40 AM	47.2	63.6	35.6
03:40 AM - 03:45 AM	40.6	54.3	35.4

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7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2397467
Date Received : Nov 01, 2023
Date Reported : Nov 03, 2023
Report No. : 2825501-1

Page 3 of 3

Sample No. 2397467-5
Parameter Noise
Location บ้านใหม่ไผ่เงิน (N1) (GPS 47P 0723882, 1430972) (Shut down)
Measurement Date Oct 29 - 30, 2023
Measurement by Saknarin Jaraskay
Sound Level Meter 00900071

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:45 AM - 03:50 AM	56.1	78.1	35.5
03:50 AM - 03:55 AM	38.6	56.8	37.0
03:55 AM - 04:00 AM	43.6	62.5	37.4
04:00 AM - 04:05 AM	43.0	61.2	36.4
04:05 AM - 04:10 AM	45.3	61.5	36.5
04:10 AM - 04:15 AM	47.8	64.8	37.2
04:15 AM - 04:20 AM	38.5	42.3	37.3
04:20 AM - 04:25 AM	46.2	61.8	37.7
04:25 AM - 04:30 AM	37.5	46.7	36.1
04:30 AM - 04:35 AM	37.5	46.3	36.3
04:35 AM - 04:40 AM	50.8	70.4	36.7
04:40 AM - 04:45 AM	38.0	44.2	36.4
04:45 AM - 04:50 AM	50.4	67.9	37.8
04:50 AM - 04:55 AM	53.1	68.5	37.9
04:55 AM - 05:00 AM	49.4	67.9	37.5
05:00 AM - 05:05 AM	45.2	61.9	37.8
05:05 AM - 05:10 AM	44.6	62.1	37.9
05:10 AM - 05:15 AM	47.0	65.2	39.0
05:15 AM - 05:20 AM	52.5	67.5	39.0
05:20 AM - 05:25 AM	53.1	66.9	39.8
05:25 AM - 05:30 AM	47.5	63.1	39.0
05:30 AM - 05:35 AM	49.1	64.0	39.6
05:35 AM - 05:40 AM	53.5	68.5	39.7
05:40 AM - 05:45 AM	54.5	72.8	40.7
05:45 AM - 05:50 AM	48.2	60.8	41.0
05:50 AM - 05:55 AM	53.2	70.9	43.6
05:55 AM - 06:00 AM	52.9	66.0	42.3
06:00 AM - 07:00 AM	57.9	77.2	45.5
07:00 AM - 08:00 AM	60.7	81.0	50.1
08:00 AM - 09:00 AM	57.6	82.5	43.7
09:00 AM - 10:00 AM	57.9	78.4	41.7
10:00 AM - 11:00 AM	57.1	79.8	42.5

Reference Method :
1. ISO 1996-1
2. ประกาศกรมอนามัย เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

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ระดับเสียงในบริเวณการทำงาน



Analysis / Test Report

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7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397448

Date Received : Aug 24, 2023

Date Reported : Aug 30, 2023

Report Number: 2760729-1

Page 1 of 1

Sample Number	2397448-1
Parameter	Noise (Leq 8 hrs.)
Location	Hot Rolling_1SCLP
Measurement Date	Aug 23, 2023
Measurement by	Mongkon Phalathip

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:04 AM - 10:04 AM	89.1	94.2	85.9
10:04 AM - 11:04 AM	87.5	93.3	83.1
11:04 AM - 12:04 PM	82.0	87.4	81.7
12:04 PM - 01:04 PM	88.2	93.7	85.7
01:04 PM - 02:04 PM	87.7	93.2	83.5
02:04 PM - 03:04 PM	79.5	89.8	76.6
03:04 PM - 04:04 PM	83.8	88.9	80.6
04:04 PM - 05:04 PM	82.2	88.0	77.8

Leq Average 8 hrs. (dB(A))

86.1

Lmax (dB(A))

94.2

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

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7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397448

Date Received : Aug 24, 2023

Date Reported : Aug 30, 2023

Report Number: 2760730-1

Page 1 of 1

Sample Number	2397448-2
Parameter	Noise (Leq 8 hrs.)
Location	Hot Rolling_2SCLP
Measurement Date	Aug 23, 2023
Measurement by	Mongkon Phalathip

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:21 AM - 10:21 AM	83.9	88.0	81.2
10:21 AM - 11:21 AM	86.0	90.1	83.3
11:21 AM - 12:21 PM	83.5	89.1	77.8
12:21 PM - 01:21 PM	81.1	87.1	77.1
01:21 PM - 02:21 PM	86.0	90.7	83.9
02:21 PM - 03:21 PM	83.6	89.7	76.5
03:21 PM - 04:21 PM	75.6	83.3	71.8
04:21 PM - 05:21 PM	81.2	88.9	77.4

Leq Average 8 hrs. (dB(A))

83.5

Lmax (dB(A))

90.7

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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Supot Salamteh
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P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397448

Date Received : Aug 24, 2023

Date Reported : Aug 30, 2023

Report Number: 2760731-1

Page 1 of 1

Sample Number	2397448-3
Parameter	Noise (Leq 8 hrs.)
Location	Hot Rolling_SBS Silo Filter
Measurement Date	Aug 23, 2023
Measurement by	Mongkon Phalathip

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:26 AM - 10:26 AM	87.0	93.2	84.5
10:26 AM - 11:26 AM	89.1	95.3	86.6
11:26 AM - 12:26 PM	87.9	93.9	85.7
12:26 PM - 01:26 PM	85.8	88.2	84.6
01:26 PM - 02:26 PM	88.3	94.5	86.3
02:26 PM - 03:26 PM	87.7	93.3	83.1
03:26 PM - 04:26 PM	82.3	95.5	79.3
04:26 PM - 05:26 PM	83.9	97.1	80.9

Leq Average 8 hrs. (dB(A))

87.0

Lmax (dB(A))

97.1

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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Technical Management

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P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397448

Date Received : Aug 24, 2023

Date Reported : Aug 30, 2023

Report Number: 2760732-1

Page 1 of 1

Sample Number	2397448-4
Parameter	Noise (Leq 8 hrs.)
Location	Hot Rolling_SCLP No.1&No.2 Silo Filter
Measurement Date	Aug 23, 2023
Measurement by	Mongkon Phalathip

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:24 AM - 10:24 AM	88.8	96.6	86.0
10:24 AM - 11:24 AM	89.2	97.0	85.8
11:24 AM - 12:24 PM	86.7	94.1	84.2
12:24 PM - 01:24 PM	85.8	96.5	84.2
01:24 PM - 02:24 PM	88.5	96.3	85.7
02:24 PM - 03:24 PM	86.1	94.9	75.1
03:24 PM - 04:24 PM	78.9	94.5	73.8
04:24 PM - 05:24 PM	79.5	90.2	77.9

Leq Average 8 hrs. (dB(A))

86.7

Lmax (dB(A))

97.0

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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Technical Management

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Thanita Kulsuriwong
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Section Head

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397448

Date Received : Aug 24, 2023

Date Reported : Aug 30, 2023

Report Number: 2760733-1

Sample Number 2397448-5
Parameter Noise (Leq 8 hrs.)
Location Cold Rolling_1CM
Measurement Date Aug 23, 2023
Measurement by Mongkon Phalathip

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:40 AM - 10:40 AM	88.3	103.8	82.5
10:40 AM - 11:40 AM	86.7	103.3	82.2
11:40 AM - 12:40 PM	86.0	101.5	80.2
12:40 PM - 01:40 PM	84.4	101.0	79.9
01:40 PM - 02:40 PM	86.8	101.6	80.3
02:40 PM - 03:40 PM	86.6	101.3	81.3
03:40 PM - 04:40 PM	86.4	101.9	80.6
04:40 PM - 05:40 PM	85.8	102.4	81.3

Leq Average 8 hrs. (dB(A))

86.5

Lmax (dB(A))

103.8

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397448

Date Received : Aug 24, 2023

Date Reported : Aug 30, 2023

Report Number: 2760734-1

Sample Number 2397448-6
Parameter Noise (Leq 8 hrs.)
Location Casting_Furnace #4
Measurement Date Aug 23, 2023
Measurement by Mongkon Phalathip

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	79.4	90.5	76.4
10:00 AM - 11:00 AM	80.1	92.8	76.7
11:00 AM - 12:00 PM	79.1	90.2	76.1
12:00 PM - 01:00 PM	82.4	96.4	76.9
01:00 PM - 02:00 PM	83.5	97.6	76.9
02:00 PM - 03:00 PM	83.8	105.3	77.9
03:00 PM - 04:00 PM	79.3	99.2	76.6
04:00 PM - 05:00 PM	81.4	102.9	75.5

Leq Average 8 hrs. (dB(A))

81.5

Lmax (dB(A))

105.3

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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Technical Management

Thanita K.

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7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397448

Date Received : Aug 24, 2023

Date Reported : Aug 30, 2023

Report Number: 2760735-1

Page 1 of 1

Sample Number	2397448-7
Parameter	Noise (Leq 8 hrs.)
Location	Finishing_FCY
Measurement Date	Aug 23, 2023
Measurement by	Mongkon Phalathip

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:34 AM - 10:34 AM	82.2	98.1	81.3
10:34 AM - 11:34 AM	82.9	94.9	82.3
11:34 AM - 12:34 PM	81.9	97.8	81.0
12:34 PM - 01:34 PM	81.6	93.6	81.0
01:34 PM - 02:34 PM	82.7	100.8	81.1
02:34 PM - 03:34 PM	82.2	94.7	81.2
03:34 PM - 04:34 PM	82.2	88.6	81.5
04:34 PM - 05:34 PM	81.9	93.9	81.3

Leq Average 8 hrs. (dB(A))

82.2

Lmax (dB(A))

100.8

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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Technical Management

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397448

Date Received : Aug 24, 2023

Date Reported : Aug 30, 2023

Report Number: 2760736-1

Page 1 of 1

Sample Number	2397448-8
Parameter	Noise (Leq 8 hrs.)
Location	Hot Rolling_RM-Deliver Side
Measurement Date	Aug 23, 2023
Measurement by	Mongkon Phalathip

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:50 AM - 09:50 AM	89.9	102.5	75.1
09:50 AM - 10:50 AM	91.2	104.3	75.4
10:50 AM - 11:50 AM	90.2	104.1	77.2
11:50 AM - 12:50 PM	86.1	102.9	77.7
12:50 PM - 01:50 PM	79.9	98.3	70.8
01:50 PM - 02:50 PM	73.4	85.1	70.4
02:50 PM - 03:50 PM	74.7	86.2	70.3
03:50 PM - 04:50 PM	74.3	86.0	71.3

Leq Average 8 hrs. (dB(A))

86.9

Lmax (dB(A))

104.3

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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Technical Management

Thanita K.

Thanita Kulsuriwong
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Supot Salamteh
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P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397448

Date Received : Aug 24, 2023

Date Reported : Aug 30, 2023

Report Number: 2760737-1

Page 1 of 1

Sample Number	2397448-9
Parameter	Noise (Leq 8 hrs.)
Location	Hot Rolling_HFM
Measurement Date	Aug 23, 2023
Measurement by	Mongkon Phalathip

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:52 AM - 09:52 AM	85.5	104.0	79.5
09:52 AM - 10:52 AM	85.9	100.2	79.1
10:52 AM - 11:52 AM	84.8	100.0	77.5
11:52 AM - 12:52 PM	77.8	90.2	77.0
12:52 PM - 01:52 PM	79.1	90.7	77.0
01:52 PM - 02:52 PM	79.1	86.1	77.1
02:52 PM - 03:52 PM	77.8	89.2	76.9
03:52 PM - 04:52 PM	76.8	83.8	74.8

Leq Average 8 hrs. (dB(A))

82.4

Lmax (dB(A))

104.0

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397448

Date Received : Aug 24, 2023

Date Reported : Aug 30, 2023

Report Number: 2760738-1

Page 1 of 1

Sample Number	2397448-10
Parameter	Noise (Leq 8 hrs.)
Location	Finishing_NSL-Deliver Side Spoon Area
Measurement Date	Aug 23, 2023
Measurement by	Mongkon Phalathip

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:27 AM - 10:27 AM	76.0	86.8	71.7
10:27 AM - 11:27 AM	73.8	87.3	71.3
11:27 AM - 12:27 PM	82.2	94.8	73.0
12:27 PM - 01:27 PM	74.6	86.3	71.1
01:27 PM - 02:27 PM	81.6	91.9	73.7
02:27 PM - 03:27 PM	76.8	93.6	71.8
03:27 PM - 04:27 PM	80.7	91.0	72.8
04:27 PM - 05:27 PM	79.9	92.5	70.7

Leq Average 8 hrs. (dB(A))

79.2

Lmax (dB(A))

94.8

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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ภาคผนวก ค-6

ระดับเสียงเฉลี่ยตลอดระยะเวลาการทำงาน



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397449

Date Received : Aug 24, 2023

Date Reported : Aug 28, 2023

Report Number : 2751289-1

Page 1 of 7

Sample Number	2397449-1
Sampled Date	Aug 23, 2023
Sample Description	Noise Dose
Location	Hot Rolling_Slap Saw
Personal Sampling	คุณรุ่งศักดิ์ เจริญพร
Date Analysis Commenced	Aug 28, 2023

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Noise Dose (8 hrs.)	09:00 AM - 05:00 PM	%	-	1	38.0	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (8 hrs.)	09:00 AM - 05:00 PM	dB(A)	-	-	80.8	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok

Guideline :

MOL : 1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Notification of Department of Labour Protection and Welfare on the Standard of Time Weighted Average (TWA) Noise Level (B.E. 2561)

Sampled By : Norranon Tathongkham

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Wichan Choonharat

Wichan Choonharat
Assistant Manager

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Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397449

Date Received : Aug 24, 2023

Date Reported : Aug 28, 2023

Report Number : 2751289-1

Page 3 of 7

Sample Number	2397449-3
Sampled Date	Aug 23, 2023
Sample Description	Noise Dose
Location	Hot Rolling_Scalper # No.2
Personal Sampling	คุณเนวินธร ชูสมิท
Date Analysis Commenced	Aug 28, 2023

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Noise Dose (8 hrs.)	09:00 AM - 05:00 PM	%	-	1	67.6	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (8 hrs.)	09:00 AM - 05:00 PM	dB(A)	-	-	83.3	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok

Guideline :

MOL : 1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Notification of Department of Labour Protection and Welfare on the Standard of Time Weighted Average (TWA) Noise Level (B.E. 2561)

Sampled By : Norranon Tathongkham

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Wichan Choonharat

Wichan Choonharat
Assistant Manager

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Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397449

Date Received : Aug 24, 2023

Date Reported : Aug 28, 2023

Report Number : 2751289-1

Page 4 of 7

Sample Number	2397449-4
Sampled Date	Aug 23, 2023
Sample Description	Noise Dose
Location	Hot Rolling_SCLP No.1 & No.2 Silo Filter
Personal Sampling	คุณมงคล ประเสริฐ
Date Analysis Commenced	Aug 28, 2023

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Noise Dose (8 hrs.)	09:00 AM - 05:00 PM	%	-	1	58.9	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (8 hrs.)	09:00 AM - 05:00 PM	dB(A)	-	-	82.7	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok

Guideline :

MOL : 1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Notification of Department of Labour Protection and Welfare on the Standard of Time Weighted Average (TWA) Noise Level (B.E. 2561)
Sampled By : Norranon Tathongkham

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Wichan Choonharat

Wichan Choonharat
Assistant Manager

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Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397449

Date Received : Aug 24, 2023

Date Reported : Aug 28, 2023

Report Number : 2751289-1

Page 5 of 7

Sample Number	2397449-5
Sampled Date	Aug 23, 2023
Sample Description	Noise Dose
Location	Cold Rolling_1CM
Personal Sampling	คุณสุทธิตชัย สมจิตร
Date Analysis Commenced	Aug 28, 2023

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Noise Dose (8 hrs.)	09:00 AM - 05:00 PM	%	-	1	87.1	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (8 hrs.)	09:00 AM - 05:00 PM	dB(A)	-	-	84.4	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok

Guideline :

MOL : 1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Notification of Department of Labour Protection and Welfare on the Standard of Time Weighted Average (TWA) Noise Level (B.E. 2561)
Sampled By : Norranon Tathongkham

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Wichan Choonharat

Wichan Choonharat
Assistant Manager

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Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397449

Date Received : Aug 24, 2023

Date Reported : Aug 28, 2023

Report Number : 2751289-1

Page 6 of 7

Sample Number	2397449-6
Sampled Date	Aug 24, 2023
Sample Description	Noise Dose
Location	Hot Rolling_RM-150 Sheer
Personal Sampling	คุณเชิรศักดิ์ มุลมณ
Date Analysis Commenced	Aug 28, 2023

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Noise Dose (8 hrs.)	08:40 AM - 04:40 PM	%	-	1	87.1	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (8 hrs.)	08:40 AM - 04:40 PM	dB(A)	-	-	84.4	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok

Guideline :

MOL : 1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Notification of Department of Labour Protection and Welfare on the Standard of Time Weighted Average (TWA) Noise Level (B.E. 2561)

Sampled By : Norranon Tathongkham

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

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Assistant Manager

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Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397449

Date Received : Aug 24, 2023

Date Reported : Aug 28, 2023

Report Number : 2751289-1

Page 7 of 7

Sample Number	2397449-7
Sampled Date	Aug 24, 2023
Sample Description	Noise Dose
Location	Finishing_2NSL-Drive Side Spoon Area
Personal Sampling	คุณวีรศักดิ์ สำนะพิด
Date Analysis Commenced	Aug 28, 2023

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Noise Dose (8 hrs.)	08:40 AM - 04:40 PM	%	-	1	17.0	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (8 hrs.)	08:40 AM - 04:40 PM	dB(A)	-	-	77.3	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok

Guideline :

MOL : 1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Notification of Department of Labour Protection and Welfare on the Standard of Time Weighted Average (TWA) Noise Level (B.E. 2561)

Sampled By : Norranon Tathongkham

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Wichan Choonharat

Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T.Mabyangporm, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name :

Project Location :

Lot ID: 2397698

Date Received : Aug 29, 2023

Date Reported : Sep 01, 2023

Report Number : 2751449-1

Page 5 of 6

Sample Number 2397698-5
Sampled Date Aug 28, 2023
Sample Description Noise Dose
Location Cold rolling_CR_CCY
Personal Sampling คุณณัฐพงษ์ แก้วแจ้
Date Analysis Commenced Aug 31, 2023

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Noise Dose (8 hrs.)	08:00 AM - 04:00 PM	%	-	1	67.6	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (8 hrs.)	08:00 AM - 04:00 PM	dB(A)	-	-	83.3	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok

Guideline :

- MOL : 1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Notification of Department of Labour Protection and Welfare on the Standard of Time Weighted Average (TWA) Noise Level (B.E. 2561)

Sampled By : Nattakarn Vonginyoo

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

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Approved by

Wichan Choonharat

Wichan Choonharat
Assistant Manager

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Measurement Summary Report

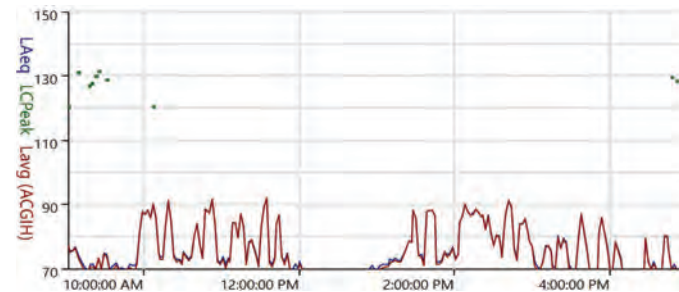
Name 4
Time 8/23/2023 09:01:00 AM **Person** **Place** **Project**
Duration 8
Instrument CB1531, CR:110A

Calibration

Before 8/23/2023 07:35 AM **Offset** 0.20 dB **After** **Offset**

Peak & Max Values	
LCPeak	131.5 dB

ACGIH	
Lavg	80.8 dB
TWA	80.8 dB
Dose	38%
Est. Dose	38%





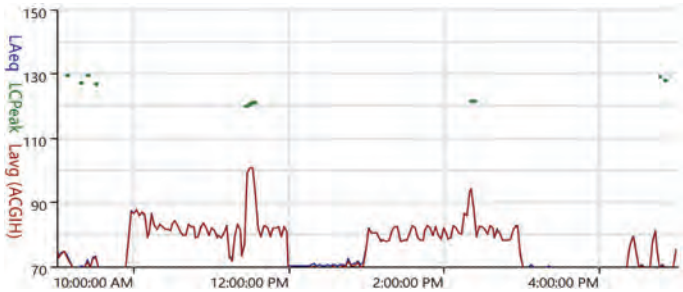
Measurement Summary Report

Name	5	Person	Place	Project
Time	8/23/2023 09:00:00 AM			
Duration	8			
Instrument	CB1532, CR:110A			

Calibration					
Before	8/23/2023 07:37 AM	Offset	-0.60 dB	After	Offset

Peak & Max Values	
LCPeak	129.8 dB

ACGIH	
Lavg	83.3 dB
TWA	83.3 dB
Dose	68%
Est. Dose	68%



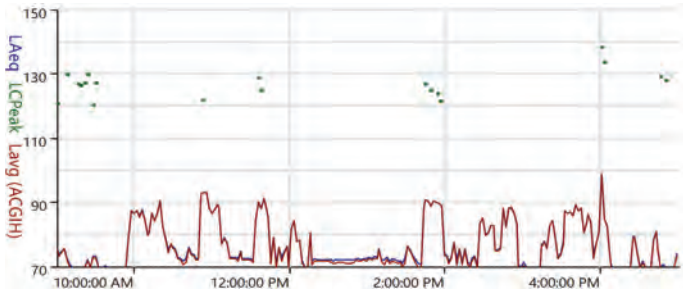
Measurement Summary Report

Name	2	Person	Place	Project
Time	8/23/2023 09:00:00 AM			
Duration	8			
Instrument	CB1529, CR:110A			

Calibration					
Before	8/23/2023 07:34 AM	Offset	0.40 dB	After	Offset

Peak & Max Values	
LCPeak	138.4 dB

ACGIH	
Lavg	82.7 dB
TWA	82.7 dB
Dose	59%
Est. Dose	59%





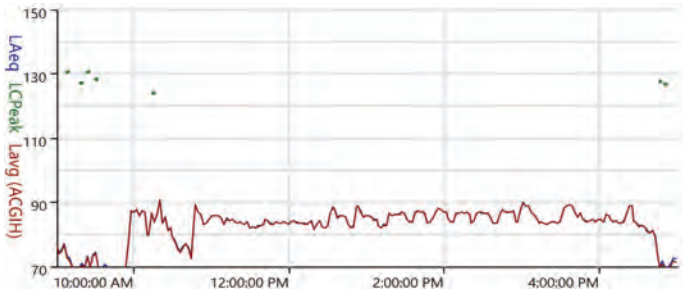
Measurement Summary Report

Name	6	Person		Place		Project	
Time	8/23/2023 09:00:00 AM						
Duration	8						
Instrument	CB1533, CR:110A						

Calibration							
Before	8/23/2023 07:38 AM	Offset	0.30 dB	After		Offset	

Peak & Max Values	
LCPeak	130.9 dB

ACGIH	
Lavg	84.4 dB
TWA	84.4 dB
Dose	87%
Est. Dose	87%



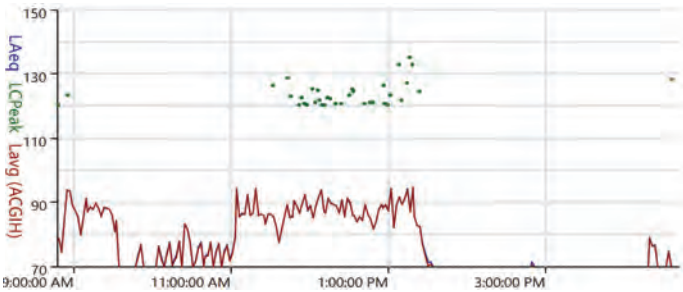
Measurement Summary Report

Name	17	Person		Place		Project	
Time	8/24/2023 08:47:00 AM						
Duration	8	A T		502815		TPE	
Instrument	CB1532, CR:110A						

Calibration							
Before	8/23/2023 07:39 AM	Offset	0.20 dB	After		Offset	

Peak & Max Values	
LCPeak	135.2 dB

ACGIH	
Lavg	84.4 dB
TWA	84.4 dB
Dose	87%
Est. Dose	87%





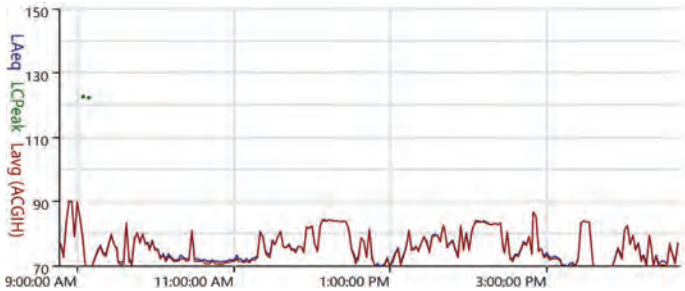
Measurement Summary Report

Name	15	Person	Place	Project
Time	8/24/2023 08:46:00 AM	A T	502815	TPE
Duration	8			
Instrument	CB1529, CR:110A			

Calibration					
Before	8/19/2023 03:19 PM	Offset	0.20 dB	After	Offset

Peak & Max Values
LCPeak 128.0 dB

ACGIH
Lavg 77.3 dB
TWA 77.3 dB
Dose 17%
Est. Dose 17%



Measurement Summary Report

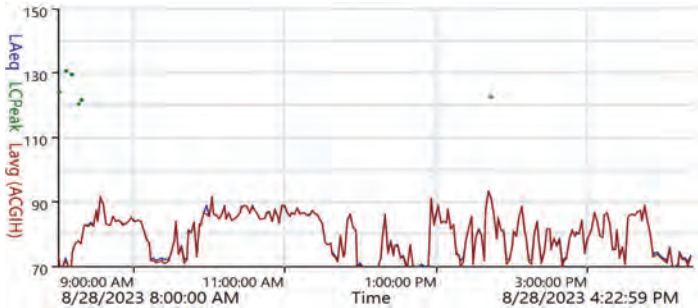
Name	5	Person	Place	Project
Time	8/28/2023 08:00:00 AM			
Duration	08:22:25			
Instrument	YG573, CR:110A			

Calibration					
Before	8/25/2023 08:47 PM	Offset	0.40 dB	After	Offset

Peak & Max Values
LCPeak 130.7 dB

ISO LAeq
LAeq 83.4 dB
LEX8 83.6 dB
Dose 73%
LAE 128.0 dB

ACGIH
Lavg 83.1 dB
TWA 83.3 dB
Dose 67%
Est. Dose 65%



ภาคผนวก ค-7

คุณภาพอากาศในบริเวณการทำงาน



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397450

Date Received : Aug 24, 2023

Date Reported : Sep 06, 2023

Report Number : 2751291-1

Page 1 of 5

Sample Number	2397450-1
Sampled Date	Aug 23, 2023
Sample Description	Air Quality
Location	กระบวนการเตรียมวัตถุดิบ (Raw Material Preparing Process)
Date Analysis Commenced	Aug 28, 2023
Condition of Sample	Drawn into two filter papers placed in plastic cassette
Barometric Pressure	747 mmHg
Atmospheric Temperature	32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Respirable Dust	10:00 AM - 12:00 PM	mg/m3	-	0.15	<0.15	5	Based on NIOSH (1998), 0600	OSHA	Rayong
Total Dust	10:00 AM - 12:00 PM	mg/m3	-	0.15	0.17	15	Based on NIOSH (1994), 0500	OSHA	Rayong

Guideline :

OSHA : Occupational Safety and Health Administration

Sampled By : Mongkon Phalathip

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

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Approved by

Sawitree N.

Sawitree Noisangiam
Manager



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397450

Date Received : Aug 24, 2023

Date Reported : Sep 06, 2023

Report Number : 2751291-1

Page 2 of 5

Sample Number 2397450-2
Sampled Date Aug 23, 2023
Sample Description Air Quality
Location พื้นที่กระบวนการหลอมและหล่ออลูมิเนียม (Melting and Casting Process Area)
Date Analysis Commenced Aug 28, 2023
Condition of Sample Drawn into two filter papers placed in plastic cassette
Barometric Pressure 747 mmHg
Atmospheric Temperature 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Respirable Dust	10:00 AM - 12:00 PM	mg/m3	-	0.15	<0.15	5	Based on NIOSH (1998), 0600	OSHA	Rayong
Total Dust	10:00 AM - 12:00 PM	mg/m3	-	0.15	0.17	15	Based on NIOSH (1994), 0500	OSHA	Rayong

Guideline :

OSHA : Occupational Safety and Health Administration

Sampled By : Mongkon Phalathip

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Sawitree N.

Sawitree Noisangiam
Manager

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.

7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397450

Date Received : Aug 24, 2023

Date Reported : Sep 06, 2023

Report Number : 2751291-1

Page 3 of 5

Sample Number 2397450-3
Sampled Date Aug 24, 2023
Sample Description Air Quality
Location พื้นที่กระบวนการรีดร้อน (Hot Rolling Process Area)
Date Analysis Commenced Aug 28, 2023
Condition of Sample Drawn into two filter papers placed in plastic cassette
Barometric Pressure 747 mmHg
Atmospheric Temperature 31.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Respirable Dust	09:00 AM - 11:00 AM	mg/m3	-	0.15	<0.15	5	Based on NIOSH (1998), 0600	OSHA	Rayong
Total Dust	09:00 AM - 11:00 AM	mg/m3	-	0.15	<0.15	15	Based on NIOSH (1994), 0500	OSHA	Rayong

Guideline :

OSHA : Occupational Safety and Health Administration

Sampled By : Mongkon Phalathip

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

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Approved by

Sawitree N.

Sawitree Noisangiam
Manager



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2397450

Date Received : Aug 24, 2023

Date Reported : Sep 06, 2023

Report Number : 2751291-1

Page 4 of 5

Sample Number 2397450-4
Sampled Date Aug 23, 2023
Sample Description Air Quality
Location พื้นที่กระบวนการหลอมและหล่ออลูมิเนียม (Melting and Casting Process Area)
Date Analysis Commenced Aug 28, 2023
Condition of Sample Drawn into one filter paper placed in plastic cassette, one amber plastic bottle and one sorbent tube, refrigerated
Barometric Pressure 747 mmHg
Atmospheric Temperature 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Chlorine	10:00 AM - 12:00 PM	ppm	-	0.10	<0.10	1(C)	Based on OSHA, ID 101	MOL	Bangkok
Hydrogen chloride	10:00 AM - 12:00 PM	ppm	-	0.05	<0.05	5(C)	Based on OSHA, ID-174-SG	MOL	Bangkok
Metals Testing									
Aluminium (Inhalable Dust)	10:00 AM - 12:00 PM	mg/m3	-	0.02	<0.02	15	NIOSH (2003), 7301	MOL	Bangkok

Guideline :

MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)

Sampled By : Mongkon Phalathip

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Savitree N.

Savitree Noisangiam
Manager

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Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng, Rayong
Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2397450

Date Received : Aug 24, 2023

Date Reported : Sep 06, 2023

Report Number : 2751291-1

Page 5 of 5

Sample Number 2397450-5
Sampled Date Aug 24, 2023
Sample Description Air Quality
Location พื้นที่กระบวนการเคลือบแผ่นอลูมิเนียม (Coating Process Area)
Date Analysis Commenced Aug 28, 2023
Condition of Sample Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Total VOC	09:00 AM - 11:00 AM	ppm	-	0.10	29.1	No Standard	Total VOC Analyzer	-	Bangkok

Guideline :

Sampled By : Mongkon Phalathip

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

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Approved by

Sawitree N.

Sawitree Noisangiam
Manager

ภาคผนวก ค-8

ระดับความร้อนในบริเวณการทำงาน



Analysis / Test Report

Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng,
Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397451

Date Received : Aug 24, 2023

Date Reported : Aug 28, 2023

Report Number: 2751292-1

Page 1 of 3

Sample Number 2397451-1
Parameter Heat Stress (Sampling Time : 10.00 AM - 12.00 PM)
Measurement Date Aug 23, 2023
Measurement by Norranon Tathongkham
Location ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
พื้นที่กระบวนการหลอมและหล่ออลูมิเนียม (Melting and Casting Process Area)	120	29.9	27.1	36.5	36.2
Average (WBGT)		29.9			
Guideline WBGT (°C)		34.0			

Reference Method : Wet Bulb Globe Temperature

Guideline:

1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Ministerial Regulation on Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environment in relation to Heat, Light and Noise, B.E.2559

Technical Management


Supot Salamteh
Section Head

Approved by


Wichan Choonharat
Assistant Manager

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Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397451

Date Received : Aug 24, 2023

Date Reported : Aug 28, 2023

Report Number: 2751292-1

Page 2 of 3

Sample Number 2397451-2
Parameter Heat Stress (Sampling Time : 10.00 AM - 12.00 PM)
Measurement Date Aug 23, 2023
Measurement by Norranon Tathongkham
Location ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
พื้นที่กระบวนการรีดร้อน (Hot Rolling Process Area)	120	31.4	28.5	38.3	38.2
Average (WBGT)		31.4			
Guideline WBGT (°C)		34.0			

Reference Method : Wet Bulb Globe Temperature

Guideline:

1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Ministerial Regulation on Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environment in relation to Heat, Light and Noise, B.E.2559

Technical Management


Supot Salamteh
Section Head

Approved by


Wichan Choonharat
Assistant Manager

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Client : UACJ (Thailand) Co., Ltd.
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporn, A. Pluakdaeng,
Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2397451

Date Received : Aug 24, 2023

Date Reported : Aug 28, 2023

Report Number: 2751292-1

Page 3 of 3

Sample Number 2397451-3
Parameter Heat Stress (Sampling Time : 10.00 AM - 12.00 PM)
Measurement Date Aug 23, 2023
Measurement by Norranon Tathongkham
Location ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
พื้นที่กระบวนการรีดเย็น (ส่วนการอบอ่อน) (Cold Rolling Process Area)	120	30.6	28.6	35.3	35.2
Average (WBGT)		30.6			
Guideline WBGT (°C)		34.0			

Reference Method : Wet Bulb Globe Temperature

Guideline:

1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Ministerial Regulation on Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environment in relation to Heat, Light and Noise, B.E.2559

Technical Management


Supot Salamteh
Section Head

Approved by


Wichan Choonharat
Assistant Manager

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