

ภาคผนวก ค

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ใบรับรองผลการวิเคราะห์

ภาคผนวก ค-1

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คุณภาพอากาศจากปล่องระบาย



## 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  
**P/O :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314132**  
Date Received : Feb 14, 2023  
Date Reported : Feb 22, 2023  
Report Number: 2561276-1

Page 1 of 1

<b>Sample Number</b>	2314132-1						
<b>Sampled Date</b>	Feb 14, 2023						
<b>Sample Description</b>	Emission from Stationary Source						
<b>Location</b>	Melting and Holding Furnace_1						
<b>Date Analysis Commenced</b>	Feb 15, 2023						
<b>Condition of Sample</b>	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	1.50	m	Oxygen	15.9	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	2.8	%
Type of Process	Combustion		Stack Temperature	151	°C	Gas Velocity	7.0	m/s
Type of Fuel	Natural Gas		Moisture	6.67	%	Flow Rate (Actual O2)	2862	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O <sub>2</sub>	Guideline Limit	Method	Testing Location
<b>Air Testing</b>								
Carbon Monoxide *	10:50 AM - 11:00 AM	ppm	-	1.0	5.2	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	10:40 AM - 10:50 AM	ppm	-	1.06	78.0	200	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	10:20 AM - 11:08 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 :** Warawut Pulpap

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

*Thanitak*  
Thanita Kulsuriwong  
Scientist (4)

Approved by

*D. Changchon*  
Dej Changchon  
Senior Manager

โทรศัพท์ ๖-323-๙-9447

โทรศัพท์ ๖-323-๙-9442

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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 :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314163**  
Date Received : Feb 14, 2023  
Date Reported : Mar 14, 2023  
Report Number: 2577071-1

Page 1 of 1

<b>Sample Number</b>	2314163-1						
<b>Sampled Date</b>	Feb 14, 2023						
<b>Sample Description</b>	Emission from Stationary Source						
<b>Location</b>	Melting & Holding Furnace no.2						
<b>Date Analysis Commenced</b>	Feb 15, 2023						
<b>Condition of Sample</b>	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 trap dioxin, refrigerated						

Stack Description								
Ambient Pressure	750	mmHg	Diameter	2.30	m	Oxygen	10.3	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	6.0	%
Type of Process	Combustion		Stack Temperature	166	°C	Gas Velocity	5.1	m/s
Type of Fuel	Natural Gas		Moisture	15.77	%	Flow Rate (Actual O2)	42790	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O <sub>2</sub>	Guideline Limit	Method	Testing Location
<b>Air Testing</b>								
Carbon Monoxide	01:40 PM - 01:50 PM	ppm	-	1.0	101	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen	01:30 PM - 01:40 PM	ppm	-	1.06	42.5	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 :** Warawut Pulpap, Mongkon Phalathip

Remark :

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

Technical Management

*Thanitak*  
Thanita Kulsuriwong  
Scientist (4)

Approved by

*D. Changchon*  
Dej Changchon  
Senior Manager

โทรศัพท์ ๖-323-๙-9447

โทรศัพท์ ๖-323-๙-9442

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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 :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314163**  
Date Received : Feb 14, 2023  
Date Reported : Mar 13, 2023  
Report Number : 2577071-2

Page 1 of 3

<b>Sample Number</b>	2314163-1						
<b>Sample Description</b>	Emission from Stationary Source						
<b>Location</b>	Melting & Holding Furnace no.2						
<b>Condition of Sample</b>	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 trap dioxin, refrigerated						
<b>Sampled Date</b>	Feb 14, 2023						
<b>Date Analysis Commenced</b>	Feb 15, 2023						

Stack Description								
Ambient Pressure	750	mmHg	Diameter	2.30	m	Oxygen	10.3	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	6.0	%
Type of Process	Combustion		Stack Temperature	166	°C	Gas Velocity	5.1	m/s
Type of Fuel	Natural Gas		Moisture	15.77	%	Flow Rate (Actual O2)	42790	Nm3/hr
						Flow Rate (7% O2)	32539	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	0.0013	<0.0027	<0.0027	1.0	<0.0027	<0.0027	-
1,2,3,7,8-PeCDD	ng/Nm3	0.0027	0.0085	0.011	0.5	0.0043	0.0056	-
1,2,3,4,7,8-HxCDD	ng/Nm3	0.0036	0.014	0.018	0.1	0.0014	0.0018	-
1,2,3,6,7,8-HxCDD	ng/Nm3	0.0036	0.030	0.040	0.1	0.0030	0.0040	-
1,2,3,7,8,9-HxCDD	ng/Nm3	0.0036	<0.0072	<0.0072	0.1	<0.0007	<0.0007	-
1,2,3,4,6,7,8-HpCDD	ng/Nm3	0.0039	0.098	0.13	0.01	0.00098	0.0013	-
OCDD	ng/Nm3	0.0049	0.066	0.086	0.001	0.000066	0.000086	-

Technical Management

*Saranyat*  
Saranyat Chalerthamrong  
Scientist (4)

Approved by

*Kanokkorn Anek*  
Kanokkorn Anek  
Senior Manager

โทรศัพท์ ๖-204-๙-4717

โทรศัพท์ ๖-204-๙-6111

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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 :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314163**  
Date Received : Feb 14, 2023  
Date Reported : Mar 13, 2023  
Report Number : 2577071-2

Page 2 of 3

<b>Sample Number</b>	2314163-1						
<b>Sample Description</b>	Emission from Stationary Source						
<b>Location</b>	Melting & Holding Furnace no.2						
<b>Condition of Sample</b>	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 trap dioxin, refrigerated						
<b>Sampled Date</b>	Feb 14, 2023						
<b>Date Analysis Commenced</b>	Feb 15, 2023						

Analyte	Unit	LOD	Result		I-TEF	Result I-TEQ		Standard (I-TEQ)
			Actual O2	7% O2		Actual O2	7% O2	
2,3,7,8-TCDF	ng/Nm3	0.0010	0.046	0.060	0.1	0.0046	0.0060	-
1,2,3,7,8-PeCDF	ng/Nm3	0.0020	0.13	0.18	0.05	0.0067	0.0088	-
2,3,4,7,8-PeCDF	ng/Nm3	0.0020	0.12	0.16	0.5	0.061	0.080	-
1,2,3,4,7,8-HxCDF	ng/Nm3	0.0022	0.53	0.69	0.1	0.053	0.069	-
1,2,3,6,7,8-HxCDF	ng/Nm3	0.0022	0.32	0.42	0.1	0.032	0.042	-
1,2,3,7,8,9-HxCDF	ng/Nm3	0.0022	0.0066	0.0086	0.1	0.00066	0.00086	-
2,3,4,6,7,8-HpCDF	ng/Nm3	0.0022	0.12	0.16	0.1	0.012	0.016	-
1,2,3,4,6,7,8-HpCDF	ng/Nm3	0.0028	2.1	2.7	0.01	0.021	0.027	-
1,2,3,4,7,8,9-HpCDF	ng/Nm3	0.0028	0.079	0.10	0.01	0.00079	0.0010	-
OCDF	ng/Nm3	0.0031	0.33	0.43	0.001	0.00033	0.00043	-
Dioxin and Furan	ng/Nm3	-	4.0	5.2	-	0.20	0.26	0.5

Technical Management

*Saranyat*  
Saranyat Chalerthamrong  
Scientist (4)

Approved by

*Kanokkorn Anek*  
Kanokkorn Anek  
Senior 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 : 450002918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314163  
Date Received : Feb 14, 2023  
Date Reported : Mar 13, 2023  
Report Number : 2577071-2

Page 3 of 3

Sample Number	2314163-1							
Sample Description	Emission from Stationary Source							
Location	Melting & Holding Furnace no.2							
Condition of Sample	Extracted into two 2-L collection flasks, one filter paper placed in plastic petri dish, one 10-L air sampling bag and one trap dioxin, refrigerated							
Sampled Date	Feb 14, 2023							
Date Analysis Commenced	Feb 15, 2023							

Analyte	Unit	LOD	Result		I-TEF	Result I-TEQ		Standard (I-TEQ)
			Actual O2	7% O2		Actual O2	7% O2	
Hepta-Dioxins	ng/Nm3	-	0.22	0.29	-	-	-	-
Hexa-Dioxins	ng/Nm3	-	0.43	0.56	-	-	-	-
Hexa-Furans	ng/Nm3	-	2.9	3.8	-	-	-	-
Hepta-Furans	ng/Nm3	-	2.7	3.5	-	-	-	-

**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 :** Warawut Pupa, Mongkon Phalathip

Technical Management

*Saanya C.*  
Saranya Chalerthamrong  
Scientist (4)  
โทรศัพท์ ๖-204-๙-4717

Approved by

*Kanokkorn Anek*  
Kanokkorn Anek  
Senior Manager  
โทรศัพท์ ๖-204-๙-6111

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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 : 450002918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314163  
Date Received : Feb 14, 2023  
Date Reported : Mar 14, 2023  
Report Number: 2577072-1

Page 1 of 1

Sample Number	2314163-2							
Sampled Date	Feb 14, 2023							
Sample Description	Emission from Stationary Source							
Location	Melting & Holding Furnace no.2							
Date Analysis Commenced	Feb 16, 2023							
Condition of Sample	Extracted into one filter paper placed in plastic petri dish and one plastic bottle							

Stack Description								
Ambient Pressure	750	mmHg	Diameter	2.30	m	Oxygen	11.2	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	5.4	%
Type of Process	Combustion		Stack Temperature	171	°C	Gas Velocity	5.1	m/s
Type of Fuel	Natural Gas		Moisture	15.58	%	Flow Rate (Actual O2)	42671	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O <sub>2</sub>	Guideline Limit	Method	Testing Location
<b>Air Testing</b>								
Total Suspended Particulate	03:30 PM - 04:10 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 Pupa, Mongkon Phalathip

**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

*Thanitak.*  
Thanita Kulsuriwong  
Scientist (4)  
โทรศัพท์ ๖-323-๙-9447

Approved by

*Dej Changchon*  
Dej Changchon  
Senior Manager  
โทรศัพท์ ๖-323-๙-9442

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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 : 450002918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314149  
Date Received : Mar 08, 2023  
Date Reported : Mar 16, 2023  
Report Number: 2561315-1

Page 1 of 1

Sample Number	2314149-1							
Sampled Date	Mar 08, 2023							
Sample Description	Emission from Stationary Source							
Location	Bag Filter_1							
Date Analysis Commenced	Mar 09, 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	753	mmHg	Diameter	2.50	m	Oxygen	20.8	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	41.0	°C	Gas Velocity	4.2	m/s
Type of Fuel	-		Moisture	3.68	%	Flow Rate (Actual O2)	67473	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
<b>Air Testing</b>								
Carbon Monoxide *	09:50 AM - 10:00 AM	ppm	-	1.0	2.5	870	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	10:45 AM - 10:55 AM	ppm	-	1.06	<1.06	No Standard	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	09:45 AM - 10:33 AM	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 :** Anurak Tongkhajonsakda

**Remark :**

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

*Thanitak.*  
Thanita Kulsuriwong  
Scientist (4)  
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Approved by

*Dej Changchon*  
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. Mabyangporm, A. Pluakdaeng, Rayong  
Thailand 21140  
P/O : 450002918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314153  
Date Received : Feb 21, 2023  
Date Reported : Mar 01, 2023  
Report Number: 2561319-1

Page 1 of 1

Sample Number	2314153-1							
Sampled Date	Feb 20, 2023							
Sample Description	Emission from Stationary Source							
Location	ISWF (Bag Filter no.2)							
Date Analysis Commenced	Feb 22, 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	759	mmHg	Diameter	1.50	m	Oxygen	20.0	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Combustion (Open System)		Stack Temperature	74.0	°C	Gas Velocity	9.9	m/s
Type of Fuel	Natural Gas		Moisture	2.70	%	Flow Rate (Actual O2)	52316	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
<b>Air Testing</b>								
Carbon Monoxide *	10:15 AM - 10:25 AM	ppm	-	1.0	12.4	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	10:00 AM - 10:10 AM	ppm	-	1.06	5.29	200	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	10:00 AM - 10:48 AM	mg/m3	-	0.5	5.1	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 :** Jaradawee Srinuksa

**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

*Thanitak.*  
Thanita Kulsuriwong  
Scientist (4)  
โทรศัพท์ ๖-323-๙-9447

Approved by

*Dej Changchon*  
Dej Changchon  
Senior Manager  
โทรศัพท์ ๖-323-๙-9442

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9044-21/ EMAILCASH

S:\Reports\_Air Stack\_GL.rpt ( 3:28PM)



## 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 :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314152**  
Date Received : Feb 21, 2023  
Date Reported : Mar 01, 2023  
Report Number: 2561317-1

Page 1 of 1

<b>Sample Number</b>	2314152-1						
<b>Sampled Date</b>	Feb 20, 2023						
<b>Sample Description</b>	Emission from Stationary Source						
<b>Location</b>	Bag Filter_3 (MRM)						
<b>Date Analysis Commenced</b>	Feb 22, 2023						
<b>Condition of Sample</b>	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	759	mmHg	Diameter	1.50	m	Oxygen	20.5 %
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	0.0 %
Type of Process	Combustion (Open System)		Stack Temperature	48.0	°C	Gas Velocity	4.5 m/s
Type of Fuel	Natural Gas		Moisture	3.43	%	Flow Rate (Actual O2)	25843 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
<b>Air Testing</b>								
Carbon Monoxide *	12:20 PM - 12:30 PM	ppm	-	1.0	<1.0	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	12:20 PM - 12:30 PM	ppm	-	1.06	2.06	200	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	12:10 PM - 12:58 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 :** Jaradrawee Siruksa

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

*Thanitak.*

Approved by

*D. Chongchon*

Thanita Kulsuriwong  
Scientist (4)  
โทร: 033-9447

Dej Chongchon  
Senior Manager  
โทร: 033-9442

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9044-211 EMAILCASH

S:\Report\Air\_Stack\_GL\_rpt ( 3.16PM)



## 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 :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314150**  
Date Received : Feb 17, 2023  
Date Reported : Jul 11, 2023  
Report Number: 2713872-1

Page 1 of 1

<b>Sample Number</b>	2314150-1						
<b>Sampled Date</b>	Feb 17, 2023						
<b>Sample Description</b>	Emission from Stationary Source						
<b>Location</b>	2 SWF (Bag Filter no.4)						
<b>Date Analysis Commenced</b>	Feb 18, 2023						
<b>Condition of Sample</b>	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	1.50	m	Oxygen	20.4 %
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	0.0 %
Type of Process	Combustion (Open System)		Stack Temperature	75.0	°C	Gas Velocity	6.7 m/s
Type of Fuel	Natural Gas		Moisture	3.48	%	Flow Rate (Actual O2)	34878 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
<b>Air Testing</b>								
Carbon Monoxide *	01:30 PM - 01:40 PM	ppm	-	1.0	<1.0	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	01:20 PM - 01:30 PM	ppm	-	1.06	<1.06	200	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	01:20 PM - 02:02 PM	mg/m3	-	0.5	3.7	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 reissued to supersede report No.2561316-1, Date Reported : Feb 25, 2023 due to revise analytical information.

**Sampled By :** Sathaporn Thakraw

Remark :

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- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
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Technical Management

*Thanitak.*

Approved by

*D. Chongchon*

Thanita Kulsuriwong  
Scientist (4)  
โทร: 033-9447

Dej Chongchon  
Senior Manager  
โทร: 033-9442

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9044-211 EMAILCASH

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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 :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314154**  
Date Received : Feb 16, 2023  
Date Reported : Feb 23, 2023  
Report Number: 2561320-1

Page 1 of 1

<b>Sample Number</b>	2314154-1						
<b>Sampled Date</b>	Feb 16, 2023						
<b>Sample Description</b>	Emission from Stationary Source						
<b>Location</b>	3SWF (Bag Filter no.5)						
<b>Date Analysis Commenced</b>	Feb 17, 2023						
<b>Condition of Sample</b>	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	20.6 %
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	0.0 %
Type of Process	Combustion (Open System)		Stack Temperature	65.0	°C	Gas Velocity	8.5 m/s
Type of Fuel	Natural Gas		Moisture	4.96	%	Flow Rate (Actual O2)	64137 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
<b>Air Testing</b>								
Carbon Monoxide *	03:00 PM - 03:10 PM	ppm	-	1.0	2.9	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	02:50 PM - 03:00 PM	ppm	-	1.06	<1.06	200	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	02:40 PM - 03:28 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 :

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Technical Management

*Thanitak.*

Approved by

*D. Chongchon*

Thanita Kulsuriwong  
Scientist (4)  
โทร: 033-9447

Dej Chongchon  
Senior Manager  
โทร: 033-9442

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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 :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314133**  
Date Received : Feb 16, 2023  
Date Reported : Feb 23, 2023  
Report Number: 2561277-1

Page 1 of 1

<b>Sample Number</b>	2314133-1						
<b>Sampled Date</b>	Feb 16, 2023						
<b>Sample Description</b>	Emission from Stationary Source						
<b>Location</b>	Boiler_1						
<b>Date Analysis Commenced</b>	Feb 17, 2023						
<b>Condition of Sample</b>	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	1.00	m	Oxygen	4.3 %
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	9.5 %
Type of Process	Combustion		Stack Temperature	70.0	°C	Gas Velocity	4.1 m/s
Type of Fuel	Natural Gas		Moisture	12.14	%	Flow Rate (Actual O2)	8730 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O <sub>2</sub>	Guideline Limit	Method	Testing Location
<b>Air Testing</b>								
Carbon Monoxide *	01:40 PM - 01:50 PM	ppm	-	1.0	13.2	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	01:30 PM - 01:40 PM	ppm	-	1.06	17.1	200	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	01:30 PM - 02:25 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 :** Sathaporn Thakraw

Remark :

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Technical Management

*Thanitak.*

Approved by

*D. Chongchon*

Thanita Kulsuriwong  
Scientist (4)  
โทร: 033-9447

Dej Chongchon  
Senior Manager  
โทร: 033-9442

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## Analysis / Test Report



TESTING  
No.0042

Client : UACJ (Thailand) Co., Ltd.  
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporm, A. Pluakdaeng, Rayong  
Thailand 21140  
P/O : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314134  
Date Received : Feb 15, 2023  
Date Reported : Feb 22, 2023  
Report Number: 2561278-1

Page 1 of 1

Sample Number	2314134-1						
Sampled Date	Feb 15, 2023						
Sample Description	Emission from Stationary Source						
Location	Boiler_2						
Date Analysis Commenced	Feb 16, 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	0.60	m	Oxygen	5.2 %
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	9.0 %
Type of Process	Combustion		Stack Temperature	120	°C	Gas Velocity	7.1 m/s
Type of Fuel	Natural Gas		Moisture	9.53	%	Flow Rate (Actual O2)	4914 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O <sub>2</sub>	Guideline Limit	Method	Testing Location
<b>Air Testing</b>								
Carbon Monoxide *	10:30 AM - 10:40 AM	ppm	-	1.0	28.9	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	10:15 AM - 10:25 AM	ppm	-	1.06	6.20	200	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	10:10 AM - 10:58 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 : Warawut Pulpap

Remark :

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Technical Management

Thanitak.

Thanita Kulsuriwong  
Scientist (4)  
โทร: 09-9447-323

Approved by

D. Changchon

Dej Changchon  
Senior Manager  
โทร: 09-9442-323

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## Analysis / Test Report



TESTING  
No.0042

Client : UACJ (Thailand) Co., Ltd.  
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporm, A. Pluakdaeng, Rayong  
Thailand 21140  
P/O : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314135  
Date Received : Feb 15, 2023  
Date Reported : Feb 22, 2023  
Report Number: 2561279-1

Page 1 of 1

Sample Number	2314135-1						
Sampled Date	Feb 15, 2023						
Sample Description	Emission from Stationary Source						
Location	Boiler_3						
Date Analysis Commenced	Feb 16, 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	0.60	m	Oxygen	5.7 %
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	8.7 %
Type of Process	Combustion		Stack Temperature	80.0	°C	Gas Velocity	1.7 m/s
Type of Fuel	Natural Gas		Moisture	8.00	%	Flow Rate (Actual O2)	1315 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O <sub>2</sub>	Guideline Limit	Method	Testing Location
<b>Air Testing</b>								
Carbon Monoxide *	12:00 PM - 12:10 PM	ppm	-	1.0	13.1	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	11:50 AM - 12:00 PM	ppm	-	1.06	6.42	200	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	11:40 AM - 12:28 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 : Warawut Pulpap

Remark :

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Technical Management

Thanitak.

Thanita Kulsuriwong  
Scientist (4)  
โทร: 09-9442-323

Approved by

D. Changchon

Dej Changchon  
Senior Manager  
โทร: 09-9442-323

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## Analysis / Test Report



TESTING  
No.0042

Client : UACJ (Thailand) Co., Ltd.  
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporm, A. Pluakdaeng, Rayong  
Thailand 21140  
P/O : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314136  
Date Received : Feb 17, 2023  
Date Reported : Feb 25, 2023  
Report Number: 2561280-1

Page 1 of 1

Sample Number	2314136-1						
Sampled Date	Feb 17, 2023						
Sample Description	Emission from Stationary Source						
Location	Boiler no.4 (ZCPL)						
Date Analysis Commenced	Feb 18, 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	1.06	m	Oxygen	6.0 %
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	8.4 %
Type of Process	Combustion		Stack Temperature	88.0	°C	Gas Velocity	3.0 m/s
Type of Fuel	Natural Gas		Moisture	10.11	%	Flow Rate (Actual O2)	6900 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O <sub>2</sub>	Guideline Limit	Method	Testing Location
<b>Air Testing</b>								
Carbon Monoxide *	11:40 AM - 11:50 AM	ppm	-	1.0	117	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	11:30 AM - 11:40 AM	ppm	-	1.06	11.9	200	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	11:00 AM - 12:00 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 Pulpap

Remark :

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Technical Management

Thanitak.

Thanita Kulsuriwong  
Scientist (4)  
โทร: 09-9442-323

Approved by

D. Changchon

Dej Changchon  
Senior Manager  
โทร: 09-9442-323

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## Analysis / Test Report



TESTING  
No.0042

Client : UACJ (Thailand) Co., Ltd.  
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporm, A. Pluakdaeng, Rayong  
Thailand 21140  
P/O : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314166  
Date Received : Feb 15, 2023  
Date Reported : Feb 25, 2023  
Report Number: 2561363-1

Page 1 of 1

Sample Number	2314166-1						
Sampled Date	Feb 15, 2023						
Sample Description	Emission from Stationary Source						
Location	SCLP No.1						
Date Analysis Commenced	Feb 16, 2023						
Condition of Sample	Extracted into one filter paper placed in plastic petri dish and one plastic bottle						

Stack Description							
Ambient Pressure	750	mmHg	Diameter	2.00	m	Oxygen	20.9 %
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	0.0 %
Type of Process	Process		Stack Temperature	51.0	°C	Gas Velocity	21.1 m/s
Type of Fuel	-		Moisture	2.69	%	Flow Rate (Actual O2)	210506 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
<b>Air Testing</b>								
Total Suspended Particulate	08:30 AM - 09:18 AM	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 Pulpap

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Technical Management

Thanitak.

Thanita Kulsuriwong  
Scientist (4)  
โทร: 09-9442-323

Approved by

D. Changchon

Dej Changchon  
Senior Manager  
โทร: 09-9442-323

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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 :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314166**  
Date Received : Feb 15, 2023  
Date Reported : Feb 27, 2023  
Report Number: 2561363-2

Page 1 of 1

**Sample Number** 2314166-1  
**Sampled Date** Feb 15, 2023  
**Sample Description** Emission from Stationary Source  
**Location** SCLP No.1  
**Date Analysis Commenced** Feb 20, 2023  
**Condition of Sample** Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description									
Ambient Pressure	750	mmHg	Diameter	2.00	m	Oxygen	20.9	%	
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	0.0	%	
Type of Process	Process		Stack Temperature	51.0	°C	Gas Velocity	21.1	m/s	
Type of Fuel	-		Moisture	2.69	%	Flow Rate (Actual O2)	210506	Nm3/hr	

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Metals Testing</b>							
Aluminium	08:30 AM - 09:18 AM	mg/m3	-	1.00	<1.00	United States Environmental Protection Agency, EPA Method 29	Bangkok

**Sampled By :** Warawut Pulpas

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

Approved by

*Savitree N.*  
Savitree Naisangiam  
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 :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314167**  
Date Received : Feb 15, 2023  
Date Reported : Feb 27, 2023  
Report Number: 2561385-1

Page 1 of 1

**Sample Number** 2314167-1  
**Sampled Date** Feb 15, 2023  
**Sample Description** Emission from Stationary Source  
**Location** SCLP No.2  
**Date Analysis Commenced** Feb 16, 2023  
**Condition of Sample** Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description									
Ambient Pressure	750	mmHg	Diameter	2.00	m	Oxygen	20.9	%	
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	0.0	%	
Type of Process	Process		Stack Temperature	67.7	°C	Gas Velocity	8.1	m/s	
Type of Fuel	-		Moisture	2.75	%	Flow Rate (Actual O2)	77162	Nm3/hr	

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
<b>Air Testing</b>								
Total Suspended Particulate	08:20 AM - 09:08 AM	mg/m3	-	0.5	5.6	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)

**Sampled By :** Sathaporn Thakarnw , Thitipong Buaaeng

Remark :  
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- 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

*Thanitak.*  
Thanita Kulsuriwong  
Scientist (4)  
เบอร์โทรแจ้ง 323-9-9447

Approved by

*D. Changchon*  
Dej Changchon  
Senior Manager  
เบอร์โทรแจ้ง 323-9-9442

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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 :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314167**  
Date Received : Feb 15, 2023  
Date Reported : Feb 27, 2023  
Report Number: 2561385-2

Page 1 of 1

**Sample Number** 2314167-1  
**Sampled Date** Feb 15, 2023  
**Sample Description** Emission from Stationary Source  
**Location** SCLP No.2  
**Date Analysis Commenced** Feb 20, 2023  
**Condition of Sample** Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description									
Ambient Pressure	750	mmHg	Diameter	2.00	m	Oxygen	20.9	%	
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	0.0	%	
Type of Process	Process		Stack Temperature	67.7	°C	Gas Velocity	8.1	m/s	
Type of Fuel	-		Moisture	2.75	%	Flow Rate (Actual O2)	77162	Nm3/hr	

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Metals Testing</b>							
Aluminium	08:20 AM - 09:08 AM	mg/m3	-	1.00	<1.00	United States Environmental Protection Agency, EPA Method 29	Bangkok

**Sampled By :** Sathaporn Thakarnw , Thitipong Buaaeng

Remark :  
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Approved by

*Savitree N.*  
Savitree Naisangiam  
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 :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314137**  
Date Received : Feb 16, 2023  
Date Reported : Feb 23, 2023  
Report Number: 2561282-1

Page 1 of 1

**Sample Number** 2314137-1  
**Sampled Date** Feb 16, 2023  
**Sample Description** Emission from Stationary Source  
**Location** Pusher Furnace 1 (1-1PF)  
**Date Analysis Commenced** Feb 17, 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	1.20	m	Oxygen	11.2	%	
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	5.6	%	
Type of Process	Combustion (Open System)		Stack Temperature	248	°C	Gas Velocity	16.5	m/s	
Type of Fuel	Natural Gas		Moisture	7.84	%	Flow Rate (Actual O2)	34811	Nm3/hr	

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
<b>Air Testing</b>								
Carbon Monoxide *	11:10 AM - 11:20 AM	ppm	-	1.0	33.4	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	11:00 AM - 11:10 AM	ppm	-	1.06	32.9	200	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	11:00 AM - 11:42 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 :** Sathaporn Thakarnw

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

Technical Management

*Thanitak.*  
Thanita Kulsuriwong  
Scientist (4)  
เบอร์โทรแจ้ง 323-9-9447

Approved by

*D. Changchon*  
Dej Changchon  
Senior Manager  
เบอร์โทรแจ้ง 323-9-9442

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## Analysis / Test Report

**Client :** UACJ (Thailand) Co., Ltd.  
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Thailand 21140  
**P/O :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314139**  
Date Received : Feb 17, 2023  
Date Reported : Feb 25, 2023  
Report Number: 2561288-1

Page 1 of 1

<b>Sample Number</b>	2314139-1						
<b>Sampled Date</b>	Feb 17, 2023						
<b>Sample Description</b>	Emission from Stationary Source						
<b>Location</b>	Pusher Furnace 2						
<b>Date Analysis Commenced</b>	Feb 18, 2023						
<b>Condition of Sample</b>	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	3.20 x 0.80	m	Oxygen	9.4 %
Ambient Temperature	32.0	°C	Shape	Rectangular		Carbon Dioxide	6.4 %
Type of Process	Combustion (Open System)		Stack Temperature	438	°C	Gas Velocity	4.2 m/s
Type of Fuel	Natural Gas		Moisture	9.29	%	Flow Rate (Actual O2)	14400 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
<b>Air Testing</b>								
Carbon Monoxide	09:40 AM - 09:50 AM	ppm	-	1.0	286	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen	09:30 AM - 09:40 AM	ppm	-	1.06	43.1	200	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	09:40 AM - 10:32 AM	mg/m3	-	0.5	8.6	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 :** Sathaporn Thakarnw

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

Technical Management

Thanitak.

Thanita Kulsuriwong  
Scientist (4)  
โทรเลขเบอร์ 3-323-9-9447

Approved by

D. Changchon

Dej Changchon  
Senior Manager  
โทรเลขเบอร์ 3-323-9-9442

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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 :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314138**  
Date Received : Feb 16, 2023  
Date Reported : Feb 23, 2023  
Report Number: 2561287-1

Page 1 of 1

<b>Sample Number</b>	2314138-1						
<b>Sampled Date</b>	Feb 16, 2023						
<b>Sample Description</b>	Emission from Stationary Source						
<b>Location</b>	Pusher Furnace 1 (1-2PF)						
<b>Date Analysis Commenced</b>	Feb 17, 2023						
<b>Condition of Sample</b>	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	3.20 x 0.80	m	Oxygen	8.7 %
Ambient Temperature	32.0	°C	Shape	Rectangular		Carbon Dioxide	7.0 %
Type of Process	Combustion (Open System)		Stack Temperature	454	°C	Gas Velocity	6.4 m/s
Type of Fuel	Natural Gas		Moisture	8.32	%	Flow Rate (Actual O2)	21919 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
<b>Air Testing</b>								
Carbon Monoxide *	10:00 AM - 10:10 AM	ppm	-	1.0	167	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	09:50 AM - 10:00 AM	ppm	-	1.06	44.2	200	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	09:50 AM - 10:32 AM	mg/m3	-	0.5	12.6	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 :** Sathaporn Thakarnw

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

Thanitak.

Thanita Kulsuriwong  
Scientist (4)  
โทรเลขเบอร์ 3-323-9-9447

Approved by

D. Changchon

Dej Changchon  
Senior Manager  
โทรเลขเบอร์ 3-323-9-9442

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## Analysis / Test Report

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Thailand 21140  
**P/O :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314140**  
Date Received : Feb 14, 2023  
Date Reported : Feb 22, 2023  
Report Number: 2561289-1

Page 1 of 1

<b>Sample Number</b>	2314140-1						
<b>Sampled Date</b>	Feb 14, 2023						
<b>Sample Description</b>	Emission from Stationary Source						
<b>Location</b>	Pusher Furnace 3 (3-1PF)						
<b>Date Analysis Commenced</b>	Feb 15, 2023						
<b>Condition of Sample</b>	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	1.10	m	Oxygen	6.6 %
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	8.1 %
Type of Process	Combustion (Open System)		Stack Temperature	228	°C	Gas Velocity	7.8 m/s
Type of Fuel	Natural Gas		Moisture	9.32	%	Flow Rate (Actual O2)	14206 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
<b>Air Testing</b>								
Carbon Monoxide *	09:50 AM - 10:00 AM	ppm	-	1.0	1.9	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	09:40 AM - 09:50 AM	ppm	-	1.06	70.0	200	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	09:40 AM - 10:42 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 :** Sathaporn Thakarnw

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Technical Management

Thanitak.

Thanita Kulsuriwong  
Scientist (4)  
โทรเลขเบอร์ 3-323-9-9447

Approved by

D. Changchon

Dej Changchon  
Senior Manager  
โทรเลขเบอร์ 3-323-9-9442

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## Analysis / Test Report

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7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporm, A. Pluakdaeng, Rayong  
Thailand 21140  
**P/O :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314141**  
Date Received : Feb 14, 2023  
Date Reported : Feb 22, 2023  
Report Number: 2561290-1

Page 1 of 1

<b>Sample Number</b>	2314141-1						
<b>Sampled Date</b>	Feb 14, 2023						
<b>Sample Description</b>	Emission from Stationary Source						
<b>Location</b>	Pusher Furnace 3 (3-2PF)						
<b>Date Analysis Commenced</b>	Feb 15, 2023						
<b>Condition of Sample</b>	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	3.20 x 1.80	m	Oxygen	15.7 %
Ambient Temperature	32.0	°C	Shape	Rectangular		Carbon Dioxide	2.5 %
Type of Process	Combustion (Open System)		Stack Temperature	236	°C	Gas Velocity	4.6 m/s
Type of Fuel	Natural Gas		Moisture	8.60	%	Flow Rate (Actual O2)	50043 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
<b>Air Testing</b>								
Carbon Monoxide *	11:00 AM - 11:10 AM	ppm	-	1.0	270	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	10:50 AM - 11:00 AM	ppm	-	1.06	16.9	200	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	10:50 AM - 11:44 AM	mg/m3	-	0.5	3.1	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 :** Sathaporn Thakarnw

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Technical Management

Thanitak.

Thanita Kulsuriwong  
Scientist (4)  
โทรเลขเบอร์ 3-323-9-9447

Approved by

D. Changchon

Dej Changchon  
Senior Manager  
โทรเลขเบอร์ 3-323-9-9442

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## Analysis / Test Report



TESTING  
No.0042

Client : UACJ (Thailand) Co., Ltd.  
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporm, A. Pluakdaeng, Rayong  
Thailand 21140  
P/O : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314142  
Date Received : Feb 21, 2023  
Date Reported : Jul 18, 2023  
Report Number: 2721230-1

Page 1 of 1

Sample Number	2314142-1						
Sampled Date	Feb 21, 2023						
Sample Description	Emission from Stationary Source						
Location	Homogenizing Furnace_1						
Date Analysis Commenced	Feb 22, 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	759	mmHg	Diameter	0.40	m	Oxygen	15.8 %
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	2.9 %
Type of Process	Combustion (Open System)		Stack Temperature	110	°C	Gas Velocity	6.1 m/s
Type of Fuel	Natural Gas		Moisture	6.76	%	Flow Rate (Actual O2)	1994 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
<b>Air Testing</b>								
Carbon Monoxide *	10:50 AM - 11:00 AM	ppm	-	1.0	8.0	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	10:45 AM - 11:00 AM	ppm	-	1.06	18.5	200	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	10:40 AM - 11:20 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.2561292-1, Date Reported : Mar 01, 2023 due to revise analytical information.

Sampled By : Jaradrawee Srinuksa

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

Thanitak.

Thanita Kulsuriwong  
Scientist (4)  
โทรศัพท์ ๖-323-๙-9447

Approved by

D. Chongchon

Dej Chongchon  
Senior Manager  
โทรศัพท์ ๖-323-๙-9442

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9044-211 EMAILCASH

S:\Report\Air\_Stack\_GL\_rp ( 9.03AM)



## Analysis / Test Report



TESTING  
No.0042

Client : UACJ (Thailand) Co., Ltd.  
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporm, A. Pluakdaeng, Rayong  
Thailand 21140  
P/O : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314143  
Date Received : Feb 21, 2023  
Date Reported : Mar 01, 2023  
Report Number: 2561297-1

Page 1 of 1

Sample Number	2314143-1						
Sampled Date	Feb 21, 2023						
Sample Description	Emission from Stationary Source						
Location	Homogenizing Furnace_2						
Date Analysis Commenced	Feb 22, 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	759	mmHg	Diameter	0.40	m	Oxygen	17.6 %
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	1.9 %
Type of Process	Combustion (Open System)		Stack Temperature	104	°C	Gas Velocity	11.5 m/s
Type of Fuel	Natural Gas		Moisture	5.42	%	Flow Rate (Actual O2)	3898 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
<b>Air Testing</b>								
Carbon Monoxide *	11:50 AM - 12:00 PM	ppm	-	1.0	2.2	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	11:45 AM - 11:55 AM	ppm	-	1.06	15.7	200	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	11:40 AM - 12:20 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 : Jaradrawee Srinuksa

Remark :

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Technical Management

Thanitak.

Thanita Kulsuriwong  
Scientist (4)  
โทรศัพท์ ๖-323-๙-9447

Approved by

D. Chongchon

Dej Chongchon  
Senior Manager  
โทรศัพท์ ๖-323-๙-9442

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S:\Report\Air\_Stack\_GL\_rp ( 9.11PM)



## Analysis / Test Report



TESTING  
No.0042

Client : UACJ (Thailand) Co., Ltd.  
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporm, A. Pluakdaeng, Rayong  
Thailand 21140  
P/O : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314144  
Date Received : Feb 21, 2023  
Date Reported : Mar 01, 2023  
Report Number: 2561298-1

Page 1 of 1

Sample Number	2314144-1						
Sampled Date	Feb 21, 2023						
Sample Description	Emission from Stationary Source						
Location	Coil Annealing Furnace_1						
Date Analysis Commenced	Feb 22, 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	759	mmHg	Diameter	0.60	m	Oxygen	10.3 %
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	6.1 %
Type of Process	Combustion		Stack Temperature	389	°C	Gas Velocity	10.5 m/s
Type of Fuel	Natural Gas		Moisture	9.85	%	Flow Rate (Actual O2)	4323 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O <sub>2</sub>	Guideline Limit	Method	Testing Location
<b>Air Testing</b>								
Carbon Monoxide *	10:30 AM - 10:40 AM	ppm	-	1.0	5.6	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	10:45 AM - 10:55 AM	ppm	-	1.06	106	200	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	10:20 AM - 11:08 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 Srinuksa

Remark :

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Technical Management

Thanitak.

Thanita Kulsuriwong  
Scientist (4)  
โทรศัพท์ ๖-323-๙-9447

Approved by

D. Chongchon

Dej Chongchon  
Senior Manager  
โทรศัพท์ ๖-323-๙-9442

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S:\Report\Air\_Stack\_GL\_rp ( 3.13PM)



## Analysis / Test Report



TESTING  
No.0042

Client : UACJ (Thailand) Co., Ltd.  
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporm, A. Pluakdaeng, Rayong  
Thailand 21140  
P/O : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314145  
Date Received : Feb 17, 2023  
Date Reported : Feb 25, 2023  
Report Number: 2561309-1

Page 1 of 1

Sample Number	2314145-1						
Sampled Date	Feb 17, 2023						
Sample Description	Emission from Stationary Source						
Location	Coil Annealing Furnace_2						
Date Analysis Commenced	Feb 18, 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	0.60	m	Oxygen	7.9 %
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	7.4 %
Type of Process	Combustion		Stack Temperature	262	°C	Gas Velocity	4.2 m/s
Type of Fuel	Natural Gas		Moisture	8.60	%	Flow Rate (Actual O2)	2128 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O <sub>2</sub>	Guideline Limit	Method	Testing Location
<b>Air Testing</b>								
Carbon Monoxide *	11:10 AM - 11:20 AM	ppm	-	1.0	12.5	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	11:00 AM - 11:10 AM	ppm	-	1.06	25.1	200	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	11:00 AM - 11:40 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 : Sathaporn Thakarnw

Remark :

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Technical Management

Thanitak.

Thanita Kulsuriwong  
Scientist (4)  
โทรศัพท์ ๖-323-๙-9447

Approved by

D. Chongchon

Dej Chongchon  
Senior Manager  
โทรศัพท์ ๖-323-๙-9442

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S:\Report\Air\_Stack\_GL\_rp ( 11.20AM)



## Analysis / Test Report



TESTING  
No.0042

**Client :** UACJ (Thailand) Co., Ltd.  
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporm, A. Pluakdaeng, Rayong  
Thailand 21140  
**P/O :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314146**  
Date Received : Feb 15, 2023  
Date Reported : Feb 22, 2023  
Report Number: 2561310-1

Page 1 of 1

<b>Sample Number</b>	2314146-1						
<b>Sampled Date</b>	Feb 15, 2023						
<b>Sample Description</b>	Emission from Stationary Source						
<b>Location</b>	Coil Annealing Furnace_3						
<b>Date Analysis Commenced</b>	Feb 16, 2023						
<b>Condition of Sample</b>	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	0.60	m	Oxygen	11.9 %
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	5.1 %
Type of Process	Combustion		Stack Temperature	270	°C	Gas Velocity	7.8 m/s
Type of Fuel	Natural Gas		Moisture	7.53	%	Flow Rate (Actual O2)	4005 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O <sub>2</sub>	Guideline Limit	Method	Testing Location
<b>Air Testing</b>								
Carbon Monoxide *	10:10 AM - 10:20 AM	ppm	-	1.0	33.1	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	10:00 AM - 10:10 AM	ppm	-	1.06	12.2	200	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	10:00 AM - 10:44 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 :** Sathaporn Thakarnw

Remark :

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Technical Management

Thanitak.

Thanita Kulsuriwong  
Scientist (4)  
โทร: 09-9447-323

Approved by

D. Changchon

Dej Changchon  
Senior Manager  
โทร: 09-9442-323

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S:\Report\Air Stack\_GL\_rpt (11-43AM)



## Analysis / Test Report



TESTING  
No.0042

**Client :** UACJ (Thailand) Co., Ltd.  
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporm, A. Pluakdaeng, Rayong  
Thailand 21140  
**P/O :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314147**  
Date Received : Feb 15, 2023  
Date Reported : Feb 22, 2023  
Report Number: 2561312-1

Page 1 of 1

<b>Sample Number</b>	2314147-1						
<b>Sampled Date</b>	Feb 15, 2023						
<b>Sample Description</b>	Emission from Stationary Source						
<b>Location</b>	Coil Annealing Furnace_4						
<b>Date Analysis Commenced</b>	Feb 16, 2023						
<b>Condition of Sample</b>	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	0.60	m	Oxygen	6.6 %
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	8.2 %
Type of Process	Combustion		Stack Temperature	191	°C	Gas Velocity	3.9 m/s
Type of Fuel	Natural Gas		Moisture	6.95	%	Flow Rate (Actual O2)	2317 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O <sub>2</sub>	Guideline Limit	Method	Testing Location
<b>Air Testing</b>								
Carbon Monoxide *	01:30 PM - 01:40 PM	ppm	-	1.0	<1.0	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	01:20 PM - 01:30 PM	ppm	-	1.06	<1.06	200	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	01:20 PM - 02:00 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 :** Sathaporn Thakarnw

Remark :

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Technical Management

Thanitak.

Thanita Kulsuriwong  
Scientist (4)  
โทร: 09-9447-323

Approved by

D. Changchon

Dej Changchon  
Senior Manager  
โทร: 09-9442-323

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S:\Report\Air Stack\_GL\_rpt (11-46AM)



## Analysis / Test Report



TESTING  
No.0042

**Client :** UACJ (Thailand) Co., Ltd.  
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporm, A. Pluakdaeng, Rayong  
Thailand 21140  
**P/O :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314148**  
Date Received : Feb 14, 2023  
Date Reported : Feb 22, 2023  
Report Number: 2561313-1

Page 1 of 1

<b>Sample Number</b>	2314148-1						
<b>Sampled Date</b>	Feb 14, 2023						
<b>Sample Description</b>	Emission from Stationary Source						
<b>Location</b>	Coil Annealing Furnace_5						
<b>Date Analysis Commenced</b>	Feb 15, 2023						
<b>Condition of Sample</b>	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	0.60	m	Oxygen	6.2 %
Ambient Temperature	30.0	°C	Shape	Circle		Carbon Dioxide	8.4 %
Type of Process	Combustion		Stack Temperature	238	°C	Gas Velocity	3.5 m/s
Type of Fuel	Natural Gas		Moisture	9.38	%	Flow Rate (Actual O2)	1869 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O <sub>2</sub>	Guideline Limit	Method	Testing Location
<b>Air Testing</b>								
Carbon Monoxide *	02:10 PM - 02:20 PM	ppm	-	1.0	12.7	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	02:00 PM - 02:10 PM	ppm	-	1.06	7.63	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	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 :** Sathaporn Thakarnw

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Technical Management

Thanitak.

Thanita Kulsuriwong  
Scientist (4)  
โทร: 09-9447-323

Approved by

D. Changchon

Dej Changchon  
Senior Manager  
โทร: 09-9442-323

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S:\Report\Air Stack\_GL\_rpt (10-58AM)



## Analysis / Test Report



TESTING  
No.0042

**Client :** UACJ (Thailand) Co., Ltd.  
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporm, A. Pluakdaeng, Rayong  
Thailand 21140  
**P/O :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314263**  
Date Received : Feb 16, 2023  
Date Reported : Feb 28, 2023  
Report Number: 2561706-1

Page 1 of 1

<b>Sample Number</b>	2314263-1						
<b>Sampled Date</b>	Feb 16, 2023						
<b>Sample Description</b>	Emission from Stationary Source						
<b>Location</b>	Solvent Recycle_1TL						
<b>Date Analysis Commenced</b>	Feb 17, 2023						
<b>Condition of Sample</b>	Extracted into one filter paper placed in plastic petri dish, one plastic bottle and one sorbent tube, refrigerated						

Stack Description							
Ambient Pressure	750	mmHg	Diameter	0.40 x 0.35	m	Oxygen	20.9 %
Ambient Temperature	32.0	°C	Shape	Rectangular		Carbon Dioxide	0.0 %
Type of Process	Process		Stack Temperature	38.0	°C	Gas Velocity	8.2 m/s
Type of Fuel	-		Moisture	2.69	%	Flow Rate (Actual O2)	3824 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
<b>Air Testing</b>								
Total Suspended Particulate	11:00 AM - 11:48 AM	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, Mongkon Phalathip

Remark :

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Technical Management

Thanitak.

Thanita Kulsuriwong  
Scientist (4)  
โทร: 09-9447-323

Approved by

D. Changchon

Dej Changchon  
Senior Manager  
โทร: 09-9442-323

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S:\Report\Air Stack\_GL\_rpt (9-15AM)



## 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 :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314263**  
Date Received : Feb 16, 2023  
Date Reported : Feb 28, 2023  
Report Number: 2561706-2

Page 1 of 1

<b>Sample Number</b>	2314263-1						
<b>Sampled Date</b>	Feb 16, 2023						
<b>Sample Description</b>	Emission from Stationary Source						
<b>Location</b>	Solvent Recycle_1TL						
<b>Date Analysis Commenced</b>	Feb 17, 2023						
<b>Condition of Sample</b>	Extracted into one filter paper placed in plastic petri dish, one plastic bottle and one sorbent tube, refrigerated						

Stack Description							
Ambient Pressure	750	mmHg	Diameter	0.40 x 0.35	m	Oxygen	20.9 %
Ambient Temperature	32.0	°C	Shape	Rectangular		Carbon Dioxide	0.0 %
Type of Process	Process		Stack Temperature	38.0	°C	Gas Velocity	8.2 m/s
Type of Fuel	-		Moisture	2.69	%	Flow Rate (Actual O2)	3824 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
n-Decane	11:20 AM - 11:35 AM	ppm	-	0.2	0.44	United States Environmental Protection Agency, EPA Method 18	Bangkok

**Sampled By :** Warawut Pubpa , Mongkon Phalathip

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. Mabyangporm, A. Pluakdaeng, Rayong  
Thailand 21140  
**P/O :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314264**  
Date Received : Feb 17, 2023  
Date Reported : Feb 28, 2023  
Report Number: 2561708-1

Page 1 of 1

<b>Sample Number</b>	2314264-1						
<b>Sampled Date</b>	Feb 17, 2023						
<b>Sample Description</b>	Emission from Stationary Source						
<b>Location</b>	Solvent Recycle_CPL1						
<b>Date Analysis Commenced</b>	Feb 18, 2023						
<b>Condition of Sample</b>	Extracted into one filter paper placed in plastic petri dish, one plastic bottle and one sorbent tube, refrigerated						

Stack Description							
Ambient Pressure	750	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	38.0	°C	Gas Velocity	11.6 m/s
Type of Fuel	-		Moisture	2.64	%	Flow Rate (Actual O2)	5413 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
<b>Air Testing</b>								
Total Suspended Particulate	10:00 AM - 10:48 AM	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 Pubpa , Mongkon Phalathip

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)  
เบอร์โทรแจ้ง ร-323-4-9447

Approved by

*D. Changchon*

Dej Changchon  
Senior Manager  
เบอร์โทรแจ้ง ร-323-4-9442

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## Analysis / Test Report

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7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporm, A. Pluakdaeng, Rayong  
Thailand 21140  
**P/O :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314264**  
Date Received : Feb 17, 2023  
Date Reported : Mar 01, 2023  
Report Number: 2561708-2

Page 1 of 1

<b>Sample Number</b>	2314264-1						
<b>Sampled Date</b>	Feb 17, 2023						
<b>Sample Description</b>	Emission from Stationary Source						
<b>Location</b>	Solvent Recycle_CPL1						
<b>Date Analysis Commenced</b>	Feb 20, 2023						
<b>Condition of Sample</b>	Extracted into one filter paper placed in plastic petri dish, one plastic bottle and one sorbent tube, refrigerated						

Stack Description							
Ambient Pressure	750	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	38.0	°C	Gas Velocity	11.6 m/s
Type of Fuel	-		Moisture	2.64	%	Flow Rate (Actual O2)	5413 Nm3/hr

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

**Sampled By :** Warawut Pubpa , Mongkon Phalathip

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

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Thailand 21140  
**P/O :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314265**  
Date Received : Feb 21, 2023  
Date Reported : Mar 01, 2023  
Report Number: 2561714-1

Page 1 of 1

<b>Sample Number</b>	2314265-1						
<b>Sampled Date</b>	Feb 20, 2023						
<b>Sample Description</b>	Emission from Stationary Source						
<b>Location</b>	Solvent Recycle_TRL						
<b>Date Analysis Commenced</b>	Feb 22, 2023						
<b>Condition of Sample</b>	Extracted into one filter paper placed in plastic petri dish, one plastic bottle and one sorbent tube, refrigerated						

Stack Description							
Ambient Pressure	759	mmHg	Diameter	0.50	m	Oxygen	20.9 %
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	0.0 %
Type of Process	Process		Stack Temperature	38.0	°C	Gas Velocity	11.2 m/s
Type of Fuel	-		Moisture	3.10	%	Flow Rate (Actual O2)	7369 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
<b>Air Testing</b>								
Total Suspended Particulate	10:10 AM - 11:06 AM	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 :** Jaradawee Siruksa , Thitpong Buadaeng

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)  
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Approved by

*D. Changchon*

Dej Changchon  
Senior Manager  
เบอร์โทรแจ้ง ร-323-4-9442

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## Analysis / Test Report

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Thailand 21140  
**P/O :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314265**  
Date Received : Feb 21, 2023  
Date Reported : Mar 03, 2023  
Report Number: 2561714-2

Page 1 of 1

<b>Sample Number</b>	2314265-1						
<b>Sampled Date</b>	Feb 20, 2023						
<b>Sample Description</b>	Emission from Stationary Source						
<b>Location</b>	Solvent Recycle_TRL						
<b>Date Analysis Commenced</b>	Feb 22, 2023						
<b>Condition of Sample</b>	Extracted into one filter paper placed in plastic petri dish, one plastic bottle and one sorbent tube, refrigerated						

Stack Description							
Ambient Pressure	759	mmHg	Diameter	0.50	m	Oxygen	20.9 %
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	0.0 %
Type of Process	Process		Stack Temperature	38.0	°C	Gas Velocity	11.2 m/s
Type of Fuel	-		Moisture	3.10	%	Flow Rate (Actual O2)	7369 Nm3/hr

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

**Sampled By :** Jaradrawee Sriuksa , Thilpong Buadaeng

**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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## Analysis / Test Report

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Thailand 21140  
**P/O :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314268**  
Date Received : Mar 30, 2023  
Date Reported : Apr 10, 2023  
Report Number: 2561720-1

Page 1 of 1

<b>Sample Number</b>	2314268-1						
<b>Sampled Date</b>	Mar 30, 2023						
<b>Sample Description</b>	Emission from Stationary Source						
<b>Location</b>	Fume Incinerator_CPL						
<b>Date Analysis Commenced</b>	Mar 31, 2023						
<b>Condition of Sample</b>	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	756	mmHg	Diameter	2.00	m	Oxygen	17.9 %
Ambient Temperature	31.0	°C	Shape	Circle		Carbon Dioxide	1.8 %
Type of Process	Combustion (Open System)		Stack Temperature	335	°C	Gas Velocity	11.8 m/s
Type of Fuel	Natural Gas		Moisture	7.49	%	Flow Rate (Actual O2)	59963 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
<b>Air Testing</b>								
Carbon Monoxide *	09:30 AM - 09:40 AM	ppm	-	1.0	32.5	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	09:30 AM - 09:40 AM	ppm	-	1.06	3.8	200	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	09:30 AM - 10:18 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 :** Tinnakorn Kulchart

**Remark :**  
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Technical Management

*Thanitak.*

Thanita Kulsuriwong  
Scientist (4)  
โทรศัพท์ ๓-323-๙-9447

Approved by

*D. Changchon*

Dej Changchon  
Senior Manager  
โทรศัพท์ ๓-323-๙-9442

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## Analysis / Test Report

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7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporm, A. Pluakdaeng, Rayong  
Thailand 21140  
**P/O :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314268**  
Date Received : Mar 30, 2023  
Date Reported : Apr 11, 2023  
Report Number: 2561720-2

Page 1 of 1

<b>Sample Number</b>	2314268-1						
<b>Sampled Date</b>	Mar 30, 2023						
<b>Sample Description</b>	Emission from Stationary Source						
<b>Location</b>	Fume Incinerator_CPL						
<b>Date Analysis Commenced</b>	Mar 31, 2023						
<b>Condition of Sample</b>	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	756	mmHg	Diameter	2.00	m	Oxygen	17.9 %
Ambient Temperature	31.0	°C	Shape	Circle		Carbon Dioxide	1.8 %
Type of Process	Combustion (Open System)		Stack Temperature	335	°C	Gas Velocity	11.8 m/s
Type of Fuel	Natural Gas		Moisture	7.49	%	Flow Rate (Actual O2)	59963 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
n-Decane	09:30 AM - 09:45 AM	ppm	-	0.2	<0.20	United States Environmental Protection Agency, EPA Method 18	Bangkok

**Sampled By :** Tinnakorn Kulchart

**Remark :**  
- LOD : Limit of Detection  
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Approved by

*Saranya C.*

Saranya Chalermtharomg  
Scientist (4)

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## Analysis / Test Report

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Thailand 21140  
**P/O :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314269**  
Date Received : Feb 16, 2023  
Date Reported : Feb 28, 2023  
Report Number: 2561722-1

Page 1 of 1

<b>Sample Number</b>	2314269-1						
<b>Sampled Date</b>	Feb 16, 2023						
<b>Sample Description</b>	Emission from Stationary Source						
<b>Location</b>	Fume Incinerator_FCL						
<b>Date Analysis Commenced</b>	Feb 17, 2023						
<b>Condition of Sample</b>	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	750	mmHg	Diameter	1.00	m	Oxygen	18.8 %
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	1.2 %
Type of Process	Combustion (Open System)		Stack Temperature	176	°C	Gas Velocity	11.2 m/s
Type of Fuel	Natural Gas		Moisture	6.04	%	Flow Rate (Actual O2)	19413 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
<b>Air Testing</b>								
Carbon Monoxide *	10:20 AM - 10:30 AM	ppm	-	1.0	11.4	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	10:10 AM - 10:20 AM	ppm	-	1.06	7.07	200	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	09:50 AM - 10:38 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 :** Warawut Pupba , Mongkon Phalathip

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Technical Management

*Thanitak.*

Thanita Kulsuriwong  
Scientist (4)  
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Approved by

*D. Changchon*

Dej Changchon  
Senior Manager  
โทรศัพท์ ๓-323-๙-9442

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Thailand 21140  
**P/O :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314269**  
Date Received : Feb 16, 2023  
Date Reported : Feb 28, 2023  
Report Number: 2561722-2

Page 1 of 1

<b>Sample Number</b>	2314269-1						
<b>Sampled Date</b>	Feb 16, 2023						
<b>Sample Description</b>	Emission from Stationary Source						
<b>Location</b>	Fume Incinerator_FCL						
<b>Date Analysis Commenced</b>	Feb 17, 2023						
<b>Condition of Sample</b>	Extracted into two 2-L collection flasks, one filter paper placed in plastic petri dish, one 10-L air sampling bag and one sorbent tube, refrigerated						

Stack Description							
Ambient Pressure	750	mmHg	Diameter	1.00	m	Oxygen	18.8 %
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	1.2 %
Type of Process	Combustion (Open System)		Stack Temperature	176	°C	Gas Velocity	11.2 m/s
Type of Fuel	Natural Gas		Moisture	6.04	%	Flow Rate (Actual O2)	19413 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
n-Decane	10:30 AM - 10:45 AM	ppm	-	0.2	0.20	United States Environmental Protection Agency, EPA Method 18	Bangkok

**Sampled By :** Warawut Pubpa , Mongkon Phalathip

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

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7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporm, A. Pluakdaeng, Rayong  
Thailand 21140  
**P/O :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314270**  
Date Received : Feb 17, 2023  
Date Reported : Feb 28, 2023  
Report Number: 2561723-1

Page 1 of 1

<b>Sample Number</b>	2314270-1						
<b>Sampled Date</b>	Feb 17, 2023						
<b>Sample Description</b>	Emission from Stationary Source						
<b>Location</b>	Fume Incinerator (2CPL)						
<b>Date Analysis Commenced</b>	Feb 18, 2023						
<b>Condition of Sample</b>	Extracted into two 2-L collection flasks, one filter paper placed in plastic petri dish, one 10-L air sampling bag and one sorbent tube, refrigerated						

Stack Description							
Ambient Pressure	750	mmHg	Diameter	2.00	m	Oxygen	17.4 %
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	2.0 %
Type of Process	Combustion (Open System)		Stack Temperature	329	°C	Gas Velocity	2.2 m/s
Type of Fuel	Natural Gas		Moisture	5.29	%	Flow Rate (Actual O2)	11558 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
<b>Air Testing</b>								
Carbon Monoxide *	01:50 PM - 02:00 PM	ppm	-	1.0	27.8	690	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen *	01:35 PM - 01:45 PM	ppm	-	1.06	18.1	200	United States Environmental Protection Agency, EPA Method 7	Rayong
Total Suspended Particulate	01:30 PM - 02:18 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 , Mongkon Phalathip

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

*Thanitak.*

Thanita Kulsuriwong  
Scientist (4)  
หมายเลข 7-323-4-9447

Approved by

*D. Changchon*

Dej Changchon  
Senior Manager  
หมายเลข 7-323-4-9442

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9044-211 EMAILCASH



## 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 :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314270**  
Date Received : Feb 17, 2023  
Date Reported : Mar 01, 2023  
Report Number: 2561723-2

Page 1 of 1

<b>Sample Number</b>	2314270-1						
<b>Sampled Date</b>	Feb 17, 2023						
<b>Sample Description</b>	Emission from Stationary Source						
<b>Location</b>	Fume Incinerator (2CPL)						
<b>Date Analysis Commenced</b>	Feb 20, 2023						
<b>Condition of Sample</b>	Extracted into two 2-L collection flasks, one filter paper placed in plastic petri dish, one 10-L air sampling bag and one sorbent tube, refrigerated						

Stack Description							
Ambient Pressure	750	mmHg	Diameter	2.00	m	Oxygen	17.4 %
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	2.0 %
Type of Process	Combustion (Open System)		Stack Temperature	329	°C	Gas Velocity	2.2 m/s
Type of Fuel	Natural Gas		Moisture	5.29	%	Flow Rate (Actual O2)	11558 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
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 , Mongkon Phalathip

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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9044-211 EMAILCASH

ภาคผนวก ค-2

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คุณภาพอากาศในบรรยากาศโดยทั่วไป



## 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

P/O : 4500022918

Project Name : Monitoring

Project Location :

Lot ID: 2314118

Date Received : Feb 22, 2023

Date Reported : Feb 28, 2023

Report Number: 2561176-1

Page 1 of 1

Sample Description	Air Quality				
Location	บ้านภูซาย (Ban Phusai) (GPS 47P 0725767, 1434359)				
Date Analysis Commenced	Feb 23, 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)
2314118-1	Feb 14 - Feb 15, 2023	0.170	0.156	750	32
2314118-2	Feb 15 - Feb 16, 2023	0.083	0.040	750	30
2314118-3	Feb 16 - Feb 17, 2023	0.056	0.043	750	30
2314118-4	Feb 17 - Feb 18, 2023	0.099	0.064	750	32
2314118-5	Feb 18 - Feb 19, 2023	0.145	0.077	750	30
2314118-6	Feb 19 - Feb 20, 2023	0.267	0.144	750	32
2314118-7	Feb 20 - Feb 21, 2023	0.262	0.097	750	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 : Chatchai Sukpla

### 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

Client : UACJ (Thailand) Co., Ltd.

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

P/O : 4500022918

Project Name : Monitoring

Project Location :

Lot ID: 2314118

Date Received : Feb 22, 2023

Date Reported : Feb 28, 2023

Report Number: 2561176-2

Page 1 of 1

Sample Description	Air Quality				
Location	บ้านหวายไคหนอ (Ban Huay Kai Nhow) (GPS 47P 0723848, 1430920)				
Date Analysis Commenced	Feb 23, 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)
2314118-8	Feb 14 - Feb 15, 2023	0.097	0.023	750	32
2314118-9	Feb 15 - Feb 16, 2023	0.045	0.021	750	30
2314118-10	Feb 16 - Feb 17, 2023	0.074	0.030	750	30
2314118-11	Feb 17 - Feb 18, 2023	0.101	0.039	750	32
2314118-12	Feb 18 - Feb 19, 2023	0.146	0.055	750	30
2314118-13	Feb 19 - Feb 20, 2023	0.160	0.069	750	32
2314118-14	Feb 20 - Feb 21, 2023	0.164	0.051	750	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 : Chatchai Sukpla

### 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: 2314118**

Date Received : Feb 22, 2023

Date Reported : Feb 28, 2023

Report Number: 2561176-3

**Client :** UACJ (Thailand) Co., Ltd.

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

**P/O :** 4500022918

**Project Name :** Monitoring

**Project Location :**

Page 1 of 1

<b>Sample Description</b>	Air Quality				
<b>Location</b>	บ้านวังตาลพหล (Ban Wang Tan Mhon) (GPS 47P 0734200, 1432165)				
<b>Date Analysis Commenced</b>	Feb 23, 2023				
<b>Condition of Sample</b>	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)
2314118-15	Feb 14 - Feb 15, 2023	0.056	0.041	750	32
2314118-16	Feb 15 - Feb 16, 2023	0.055	0.042	750	30
2314118-17	Feb 16 - Feb 17, 2023	0.063	0.040	750	30
2314118-18	Feb 17 - Feb 18, 2023	0.091	0.057	750	32
2314118-19	Feb 18 - Feb 19, 2023	0.117	0.074	750	30
2314118-20	Feb 19 - Feb 20, 2023	0.123	0.088	750	32
2314118-21	Feb 20 - Feb 21, 2023	0.101	0.065	750	32
<b>Guideline</b>		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 :** Chatchai Sukpia

### 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: 2314118**

Date Received : Feb 22, 2023

Date Reported : Feb 28, 2023

Report Number: 2561176-4

**Client :** UACJ (Thailand) Co., Ltd.

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

**P/O :** 4500022918

**Project Name :** Monitoring

**Project Location :**

Page 1 of 1

<b>Sample Description</b>	Air Quality				
<b>Location</b>	บ้านวังตาลพหล (Ban Map Yang Porn) (GPS 47P 0731355, 1436975)				
<b>Date Analysis Commenced</b>	Feb 23, 2023				
<b>Condition of Sample</b>	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)
2314118-22	Feb 14 - Feb 15, 2023	0.176	0.063	750	32
2314118-23	Feb 15 - Feb 16, 2023	0.143	0.091	750	30
2314118-24	Feb 16 - Feb 17, 2023	0.329	0.114	750	30
2314118-25	Feb 17 - Feb 18, 2023	0.316	0.115	750	32
2314118-26	Feb 18 - Feb 19, 2023	0.297	0.202	750	30
2314118-27	Feb 19 - Feb 20, 2023	0.316	0.125	750	32
2314118-28	Feb 20 - Feb 21, 2023	0.378	0.254	750	32
<b>Guideline</b>		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 :** Chatchai Sukpia

### 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

Client : UACJ (Thailand) Co., Ltd.

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

P/O : 4500022918

Project Name : Monitoring

Project Location :

Lot ID: 2314115

Date Received : Feb 22, 2023

Date Reported : Feb 28, 2023

Report Number: 2561171-1

Page 1 of 1

Sample Description	Air Quality						
Location	บ้านพุซาย (Ban Phusai) (GPS 47P 0725767, 1434359)						
Parameter	Nitrogen dioxide (ppm)						
Measurement Date	Feb 14, 2023 - Feb 21, 2023						
Measurement by	Chatchai Sukpia						
Time	2314115-1 Feb 14, 2023	2314115-2 Feb 15, 2023	2314115-3 Feb 16, 2023	2314115-4 Feb 17, 2023	2314115-5 Feb 18, 2023	2314115-6 Feb 19, 2023	2314115-7 Feb 20, 2023
10:00 AM - 11:00 AM	0.002	0.002	0.001	<0.001	0.001	<0.001	<0.001
11:00 AM - 12:00 PM	<0.001	0.005	<0.001	<0.001	<0.001	<0.001	<0.001
12:00 PM - 01:00 PM	<0.001	0.004	<0.001	<0.001	<0.001	<0.001	<0.001
01:00 PM - 02:00 PM	<0.001	0.003	<0.001	<0.001	<0.001	<0.001	<0.001
02:00 PM - 03:00 PM	<0.001	0.003	<0.001	<0.001	<0.001	<0.001	<0.001
03:00 PM - 04:00 PM	<0.001	0.003	<0.001	<0.001	<0.001	<0.001	<0.001
04:00 PM - 05:00 PM	0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001
05:00 PM - 06:00 PM	0.002	0.002	<0.001	<0.001	<0.001	0.002	<0.001
06:00 PM - 07:00 PM	0.002	0.004	<0.001	<0.001	0.001	<0.001	<0.001
07:00 PM - 08:00 PM	0.002	0.003	<0.001	<0.001	0.001	<0.001	<0.001
08:00 PM - 09:00 PM	0.002	0.005	0.002	<0.001	0.001	<0.001	<0.001
09:00 PM - 10:00 PM	0.002	0.003	0.002	<0.001	0.002	0.001	<0.001
10:00 PM - 11:00 PM	0.002	0.004	0.002	0.001	0.002	0.001	0.001
11:00 PM - 12:00 AM	0.002	0.003	0.002	0.002	0.001	0.001	0.004
12:00 AM - 01:00 AM	0.003	0.004	0.002	0.002	0.002	0.001	0.003
01:00 AM - 02:00 AM	0.002	0.003	0.002	0.003	0.001	0.001	0.003
02:00 AM - 03:00 AM	0.002	0.003	0.002	0.002	0.002	0.001	0.003
03:00 AM - 04:00 AM	0.001	0.001	0.002	0.002	0.002	<0.001	0.002
04:00 AM - 05:00 AM	0.002	0.001	0.001	0.001	0.002	<0.001	0.003
05:00 AM - 06:00 AM	0.004	0.002	0.001	0.002	0.004	<0.001	0.004
06:00 AM - 07:00 AM	0.011	0.002	0.002	0.004	0.007	0.002	0.008
07:00 AM - 08:00 AM	0.017	0.006	0.003	0.010	0.028	0.002	0.013
08:00 AM - 09:00 AM	0.010	0.004	0.002	0.004	0.012	0.002	0.010
09:00 AM - 10:00 AM	0.002	0.002	0.001	0.002	0.002	0.001	0.008
Average	0.003	0.003	0.001	0.002	0.003	<0.001	0.003
1hr - Maximum	0.017	0.006	0.003	0.010	0.028	0.002	0.013
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 EPAMethod Part 50 App. F (Chemiluminescence)

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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 : 4500022918

Project Name : Monitoring

Project Location :

Lot ID: 2314115

Date Received : Feb 22, 2023

Date Reported : Feb 28, 2023

Report Number: 2580533-1

Page 1 of 1

Sample Description	Air Quality						
Location	บ้านห้วยไค้ (Ban Huay Kai Nhow) (GPS 47P 0723848, 1430920)						
Parameter	Nitrogen dioxide (ppm)						
Measurement Date	Feb 14, 2023 - Feb 21, 2023						
Measurement by	Chatchai Sukpia						
Time	2314115-8 Feb 14, 2023	2314115-9 Feb 15, 2023	2314115-10 Feb 16, 2023	2314115-11 Feb 17, 2023	2314115-12 Feb 18, 2023	2314115-13 Feb 19, 2023	2314115-14 Feb 20, 2023
11:00 AM - 12:00 PM	0.001	0.003	0.003	0.003	0.002	0.003	0.003
12:00 PM - 01:00 PM	<0.001	0.003	0.002	0.002	0.002	0.002	0.002
01:00 PM - 02:00 PM	<0.001	0.003	0.002	0.001	0.001	0.001	0.002
02:00 PM - 03:00 PM	0.001	0.003	0.005	0.001	0.001	0.001	0.001
03:00 PM - 04:00 PM	<0.001	0.004	0.002	<0.001	<0.001	<0.001	0.001
04:00 PM - 05:00 PM	<0.001	0.002	0.001	<0.001	0.001	0.001	0.001
05:00 PM - 06:00 PM	<0.001	0.002	0.002	<0.001	0.001	0.001	0.002
06:00 PM - 07:00 PM	0.002	0.002	0.002	0.001	0.001	0.002	0.002
07:00 PM - 08:00 PM	<0.001	0.002	0.001	0.001	0.001	0.001	0.002
08:00 PM - 09:00 PM	0.002	0.002	0.002	0.002	0.001	0.002	0.002
09:00 PM - 10:00 PM	0.002	0.002	0.002	0.001	0.002	0.002	0.002
10:00 PM - 11:00 PM	0.002	0.002	0.005	0.001	0.003	0.002	0.003
11:00 PM - 12:00 AM	0.002	0.003	0.003	0.001	0.003	0.003	0.003
12:00 AM - 01:00 AM	0.003	0.005	0.002	0.002	0.003	0.002	0.003
01:00 AM - 02:00 AM	0.003	0.007	0.002	0.002	0.002	0.002	0.004
02:00 AM - 03:00 AM	0.002	0.003	0.002	0.003	0.002	0.003	0.004
03:00 AM - 04:00 AM	0.002	0.002	0.002	0.003	0.003	0.003	0.005
04:00 AM - 05:00 AM	0.002	0.002	0.002	0.004	0.003	0.002	0.005
05:00 AM - 06:00 AM	0.002	0.001	0.002	0.002	0.003	0.002	0.006
06:00 AM - 07:00 AM	0.003	0.001	0.002	0.002	0.003	0.002	0.007
07:00 AM - 08:00 AM	0.003	0.001	0.002	0.002	0.005	0.004	0.011
08:00 AM - 09:00 AM	0.009	0.003	0.004	0.006	0.004	0.008	0.006
09:00 AM - 10:00 AM	0.020	0.006	0.010	0.006	0.007	0.007	0.032
10:00 AM - 11:00 AM	0.006	0.004	0.005	0.004	0.003	0.005	0.006
Average	0.003	0.003	0.003	0.002	0.002	0.003	0.005
1hr - Maximum	0.020	0.007	0.010	0.006	0.006	0.008	0.032
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 EPAMethod Part 50 App. F (Chemiluminescence)

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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 :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314115**  
Date Received : Feb 22, 2023  
Date Reported : Feb 28, 2023  
Report Number: 2580534-1

Page 1 of 1

Sample Description	Air Quality						
Location	บ้านวังตาพ่อน (Ban Wang Tan Mhon) (GPS 47P 0734200, 1432165)						
Parameter	Nitrogen dioxide (ppm)						
Measurement Date	Feb 14, 2023 - Feb 21, 2023						
Measurement by	Chatchai Sukpia						
Time	2314115-15 Feb 14, 2023	2314115-16 Feb 15, 2023	2314115-17 Feb 16, 2023	2314115-18 Feb 17, 2023	2314115-19 Feb 18, 2023	2314115-20 Feb 19, 2023	2314115-21 Feb 20, 2023
09:00 AM - 10:00 AM	0.001	0.003	0.005	0.003	0.004	0.005	0.002
10:00 AM - 11:00 AM	0.009	0.008	0.005	0.005	0.007	0.003	<0.001
11:00 AM - 12:00 PM	0.009	0.013	0.004	0.007	0.002	<0.001	<0.001
12:00 PM - 01:00 PM	0.010	0.003	0.003	0.009	0.002	<0.001	<0.001
01:00 PM - 02:00 PM	0.007	0.002	0.004	0.009	0.002	<0.001	<0.001
02:00 PM - 03:00 PM	0.010	0.002	0.007	0.008	0.002	<0.001	<0.001
03:00 PM - 04:00 PM	0.007	0.006	0.007	0.006	0.003	<0.001	<0.001
04:00 PM - 05:00 PM	0.005	0.002	0.007	0.005	0.002	<0.001	<0.001
05:00 PM - 06:00 PM	0.010	0.002	0.005	0.006	0.002	<0.001	<0.001
06:00 PM - 07:00 PM	0.005	0.002	0.003	0.005	0.002	0.001	<0.001
07:00 PM - 08:00 PM	0.007	0.005	0.004	0.004	0.002	0.002	0.001
08:00 PM - 09:00 PM	0.006	0.004	0.007	0.005	0.004	0.002	0.001
09:00 PM - 10:00 PM	0.006	0.004	0.006	0.006	0.002	0.002	0.002
10:00 PM - 11:00 PM	0.006	0.003	0.006	0.007	0.004	0.001	0.002
11:00 PM - 12:00 AM	0.004	0.001	0.004	0.008	0.004	0.002	0.002
12:00 AM - 01:00 AM	0.006	0.003	0.003	0.002	0.003	0.002	0.002
01:00 AM - 02:00 AM	0.004	0.002	0.003	0.004	0.002	0.002	0.003
02:00 AM - 03:00 AM	0.008	0.003	0.006	0.002	0.007	0.001	0.003
03:00 AM - 04:00 AM	0.006	0.004	0.006	<0.001	0.007	0.002	0.002
04:00 AM - 05:00 AM	0.003	0.001	0.005	<0.001	0.002	0.001	0.008
05:00 AM - 06:00 AM	0.003	0.002	0.005	<0.001	<0.001	0.001	0.008
06:00 AM - 07:00 AM	0.003	0.002	0.006	<0.001	0.002	0.002	0.024
07:00 AM - 08:00 AM	0.004	0.004	0.005	0.004	0.003	0.002	0.005
08:00 AM - 09:00 AM	0.003	0.002	0.004	0.004	0.003	0.002	0.004
Average	0.006	0.003	0.005	0.005	0.003	0.001	0.003
1hr - Maximum	0.010	0.013	0.007	0.009	0.007	0.005	0.024
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 EPAMethod Part 50 App. F (Chemiluminescence)

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S:\Reports\\_Air SOxNOx.rpt ( 3:43PM)



## 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 :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314115**  
Date Received : Feb 22, 2023  
Date Reported : Feb 28, 2023  
Report Number: 2580535-1

Page 1 of 1

Sample Description	Air Quality						
Location	บ้านวังตาพ่อน (Ban Map Yang Porn) (GPS 47P 0731355, 1436975)						
Parameter	Nitrogen dioxide (ppm)						
Measurement Date	Feb 14, 2023 - Feb 21, 2023						
Measurement by	Chatchai Sukpia						
Time	2314115-22 Feb 14, 2023	2314115-23 Feb 15, 2023	2314115-24 Feb 16, 2023	2314115-25 Feb 17, 2023	2314115-26 Feb 18, 2023	2314115-27 Feb 19, 2023	2314115-28 Feb 20, 2023
10:00 AM - 11:00 AM	0.015	0.014	0.013	0.017	0.022	0.012	0.011
11:00 AM - 12:00 PM	0.016	0.016	0.015	0.018	0.021	0.013	0.008
12:00 PM - 01:00 PM	0.022	0.016	0.018	0.023	0.019	0.013	0.008
01:00 PM - 02:00 PM	0.018	0.019	0.020	0.011	0.019	0.017	0.012
02:00 PM - 03:00 PM	0.020	0.026	0.024	0.008	0.018	0.016	0.014
03:00 PM - 04:00 PM	0.020	0.026	0.023	0.013	0.016	0.030	0.007
04:00 PM - 05:00 PM	0.020	0.027	0.020	0.009	0.015	0.031	0.009
05:00 PM - 06:00 PM	0.018	0.026	0.018	0.012	0.015	0.019	0.010
06:00 PM - 07:00 PM	0.014	0.022	0.017	0.012	0.016	0.019	0.018
07:00 PM - 08:00 PM	0.014	0.023	0.017	0.013	0.019	0.023	0.026
08:00 PM - 09:00 PM	0.016	0.022	0.015	0.013	0.021	0.022	0.013
09:00 PM - 10:00 PM	0.015	0.020	0.016	0.014	0.013	0.018	0.007
10:00 PM - 11:00 PM	0.014	0.018	0.013	0.014	0.014	0.018	0.006
11:00 PM - 12:00 AM	0.014	0.016	0.012	0.014	0.012	0.021	0.015
12:00 AM - 01:00 AM	0.017	0.018	0.013	0.016	0.015	0.018	0.007
01:00 AM - 02:00 AM	0.018	0.018	0.014	0.015	0.020	0.018	0.010
02:00 AM - 03:00 AM	0.017	0.019	0.018	0.018	0.021	0.019	0.016
03:00 AM - 04:00 AM	0.017	0.018	0.018	0.021	0.021	0.021	0.021
04:00 AM - 05:00 AM	0.017	0.016	0.016	0.020	0.016	0.022	0.009
05:00 AM - 06:00 AM	0.021	0.016	0.013	0.014	0.008	0.022	0.009
06:00 AM - 07:00 AM	0.017	0.018	0.012	0.014	0.014	0.018	0.006
07:00 AM - 08:00 AM	0.016	0.016	0.023	0.014	0.013	0.017	0.018
08:00 AM - 09:00 AM	0.014	0.015	0.023	0.014	0.016	0.015	0.020
09:00 AM - 10:00 AM	0.014	0.013	0.022	0.018	0.017	0.018	0.020
Average	0.017	0.019	0.017	0.015	0.017	0.019	0.013
1hr - Maximum	0.022	0.027	0.024	0.023	0.022	0.031	0.026
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 EPAMethod Part 50 App. F (Chemiluminescence)

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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 :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314117**  
Date Received : Feb 22, 2023  
Date Reported : Feb 28, 2023  
Report Number: 2561173-1

Page 1 of 1

Sample Description	Air Quality							
Location	บ้านกล้วย (Ban Phusai) (GPS 47P 0725767, 1434359)							
Parameter	Sulfur Dioxide (ppm)							
Measurement Date	Feb 14, 2023 - Feb 21, 2023							
Measurement by	Chatchai Sukpia							
Time	2314117-1 Feb 14, 2023	2314117-2 Feb 15, 2023	2314117-3 Feb 16, 2023	2314117-4 Feb 17, 2023	2314117-5 Feb 18, 2023	2314117-6 Feb 19, 2023	2314117-7 Feb 20, 2023	
10:00 AM - 11:00 AM	<0.001	0.003	0.002	0.002	0.002	0.001	0.001	
11:00 AM - 12:00 PM	0.001	0.004	0.002	0.001	0.001	<0.001	<0.001	
12:00 PM - 01:00 PM	0.001	0.003	0.002	0.001	<0.001	<0.001	<0.001	
01:00 PM - 02:00 PM	0.001	0.004	0.002	0.001	<0.001	<0.001	<0.001	
02:00 PM - 03:00 PM	<0.001	0.004	0.002	<0.001	<0.001	<0.001	<0.001	
03:00 PM - 04:00 PM	<0.001	0.003	0.002	<0.001	<0.001	<0.001	<0.001	
04:00 PM - 05:00 PM	<0.001	0.003	0.002	<0.001	<0.001	<0.001	<0.001	
05:00 PM - 06:00 PM	0.001	0.002	0.001	<0.001	<0.001	0.001	<0.001	
06:00 PM - 07:00 PM	0.002	0.002	0.001	<0.001	<0.001	0.001	<0.001	
07:00 PM - 08:00 PM	0.001	0.002	0.002	0.001	<0.001	0.001	<0.001	
08:00 PM - 09:00 PM	0.001	0.002	0.002	<0.001	<0.001	0.001	<0.001	
09:00 PM - 10:00 PM	0.002	0.003	0.002	0.001	<0.001	0.001	<0.001	
10:00 PM - 11:00 PM	0.001	0.003	0.002	0.002	0.001	0.002	0.001	
11:00 PM - 12:00 AM	<0.001	0.004	0.002	0.002	0.001	0.002	0.002	
12:00 AM - 01:00 AM	<0.001	0.004	0.002	0.002	0.001	0.002	0.002	
01:00 AM - 02:00 AM	0.001	0.004	0.003	0.002	0.001	0.003	0.002	
02:00 AM - 03:00 AM	<0.001	0.004	0.003	0.002	0.001	0.003	0.002	
03:00 AM - 04:00 AM	<0.001	0.004	0.003	0.002	0.001	0.003	0.002	
04:00 AM - 05:00 AM	0.001	0.004	0.003	0.002	0.001	0.003	0.002	
05:00 AM - 06:00 AM	0.002	0.004	0.003	0.002	0.001	0.003	0.002	
06:00 AM - 07:00 AM	0.002	0.004	0.002	0.002	0.001	0.003	0.001	
07:00 AM - 08:00 AM	0.003	0.004	0.002	0.002	0.001	0.002	0.001	
08:00 AM - 09:00 AM	0.003	0.004	0.002	0.002	0.001	0.002	0.001	
09:00 AM - 10:00 AM	0.003	0.003	0.002	0.002	0.001	0.002	0.002	
Average	0.001	0.003	0.002	0.001	0.001	0.002	0.001	
1hr - Maximum	0.003	0.004	0.003	0.002	0.002	0.003	0.002	
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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## 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 :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314117**  
Date Received : Feb 22, 2023  
Date Reported : Feb 28, 2023  
Report Number: 2580536-1

Page 1 of 1

Sample Description	Air Quality							
Location	บ้านกล้วย (Ban Huay Kai Nhow) (GPS 47P 0723848, 1430920)							
Parameter	Sulfur Dioxide (ppm)							
Measurement Date	Feb 14, 2023 - Feb 21, 2023							
Measurement by	Chatchai Sukpia							
Time	2314117-8 Feb 14, 2023	2314117-9 Feb 15, 2023	2314117-10 Feb 16, 2023	2314117-11 Feb 17, 2023	2314117-12 Feb 18, 2023	2314117-13 Feb 19, 2023	2314117-14 Feb 20, 2023	
11:00 AM - 12:00 PM	<0.001	0.001	0.001	0.001	0.001	<0.001	0.001	
12:00 PM - 01:00 PM	<0.001	0.001	0.001	0.001	0.001	<0.001	0.001	
01:00 PM - 02:00 PM	<0.001	0.001	0.001	0.001	0.001	<0.001	0.001	
02:00 PM - 03:00 PM	0.001	0.001	0.001	0.001	0.001	<0.001	0.001	
03:00 PM - 04:00 PM	0.001	0.001	0.001	0.001	0.001	<0.001	0.001	
04:00 PM - 05:00 PM	0.001	0.001	0.001	0.001	0.001	<0.001	<0.001	
05:00 PM - 06:00 PM	0.001	0.001	0.001	0.001	0.001	<0.001	0.001	
06:00 PM - 07:00 PM	0.001	0.001	0.001	0.001	0.001	0.001	0.001	
07:00 PM - 08:00 PM	0.001	0.001	0.001	0.001	0.001	0.001	0.001	
08:00 PM - 09:00 PM	0.001	0.001	0.001	0.001	0.001	0.001	0.001	
09:00 PM - 10:00 PM	0.001	0.001	0.001	0.001	0.001	<0.001	0.001	
10:00 PM - 11:00 PM	<0.001	0.001	0.001	0.001	0.001	0.001	0.001	
11:00 PM - 12:00 AM	<0.001	<0.001	0.001	0.001	0.001	0.001	0.001	
12:00 AM - 01:00 AM	0.001	0.001	0.001	0.001	0.001	0.001	0.001	
01:00 AM - 02:00 AM	0.001	0.001	0.001	0.001	0.001	0.001	0.001	
02:00 AM - 03:00 AM	0.001	0.001	0.001	0.001	0.001	0.001	0.001	
03:00 AM - 04:00 AM	0.001	0.001	0.001	0.001	0.001	0.001	0.001	
04:00 AM - 05:00 AM	0.001	0.001	0.001	0.001	0.001	0.001	<0.001	
05:00 AM - 06:00 AM	0.001	0.001	0.001	0.001	0.001	0.001	0.001	
06:00 AM - 07:00 AM	0.001	0.001	0.001	0.001	0.001	0.001	<0.001	
07:00 AM - 08:00 AM	0.001	0.001	0.001	0.001	0.001	0.001	<0.001	
08:00 AM - 09:00 AM	0.001	0.001	0.001	0.001	0.001	0.001	<0.001	
09:00 AM - 10:00 AM	0.001	0.001	0.001	0.001	0.001	0.001	<0.001	
10:00 AM - 11:00 AM	0.001	0.001	0.001	0.001	0.001	0.001	0.001	
Average	0.001	0.001	0.001	0.001	0.001	0.001	0.001	
1hr - Maximum	0.001	0.001	0.001	0.001	0.001	0.001	0.001	
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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## 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 :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314117**  
Date Received : Feb 22, 2023  
Date Reported : Feb 28, 2023  
Report Number: 2580537-1

Page 1 of 1

Sample Description	Air Quality						
Location	บ้านวังตาพ่อน (Ban Wang Tan Mhon) (GPS 47P 0734200, 1432165)						
Parameter	Sulfur Dioxide (ppm)						
Measurement Date	Feb 14, 2023 - Feb 21, 2023						
Measurement by	Chatchai Sukpia						
Time	2314117-15 Feb 14, 2023	2314117-16 Feb 15, 2023	2314117-17 Feb 16, 2023	2314117-18 Feb 17, 2023	2314117-19 Feb 18, 2023	2314117-20 Feb 19, 2023	2314117-21 Feb 20, 2023
09:00 AM - 10:00 AM	0.003	0.001	<0.001	0.001	0.001	0.001	0.001
10:00 AM - 11:00 AM	0.003	0.001	0.001	0.001	0.001	0.001	0.001
11:00 AM - 12:00 PM	0.003	0.001	<0.001	0.001	0.001	0.001	0.001
12:00 PM - 01:00 PM	0.003	<0.001	<0.001	0.001	0.001	0.001	0.001
01:00 PM - 02:00 PM	0.003	0.001	<0.001	0.001	0.001	0.001	0.001
02:00 PM - 03:00 PM	0.002	0.001	<0.001	0.001	0.001	<0.001	<0.001
03:00 PM - 04:00 PM	0.002	<0.001	<0.001	0.001	0.001	<0.001	<0.001
04:00 PM - 05:00 PM	0.002	<0.001	<0.001	0.001	<0.001	<0.001	<0.001
05:00 PM - 06:00 PM	0.002	0.001	<0.001	<0.001	<0.001	<0.001	<0.001
06:00 PM - 07:00 PM	0.002	0.001	<0.001	<0.001	<0.001	<0.001	<0.001
07:00 PM - 08:00 PM	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
08:00 PM - 09:00 PM	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
09:00 PM - 10:00 PM	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
10:00 PM - 11:00 PM	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
11:00 PM - 12:00 AM	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
12:00 AM - 01:00 AM	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
01:00 AM - 02:00 AM	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
02:00 AM - 03:00 AM	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
03:00 AM - 04:00 AM	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
04:00 AM - 05:00 AM	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
05:00 AM - 06:00 AM	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
06:00 AM - 07:00 AM	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
07:00 AM - 08:00 AM	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
08:00 AM - 09:00 AM	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Average	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1hr - Maximum	0.003	0.001	0.001	0.001	0.001	0.001	0.001
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 ( 3:51PM)



## 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 :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314117**  
Date Received : Feb 22, 2023  
Date Reported : Feb 28, 2023  
Report Number: 2580539-1

Page 1 of 1

Sample Description	Air Quality						
Location	บ้านวังตาพ่อน (Ban Map Yang Porn) (GPS 47P 0731355, 1436975)						
Parameter	Sulfur Dioxide (ppm)						
Measurement Date	Feb 14, 2023 - Feb 21, 2023						
Measurement by	Chatchai Sukpia						
Time	2314117-22 Feb 14, 2023	2314117-23 Feb 15, 2023	2314117-24 Feb 16, 2023	2314117-25 Feb 17, 2023	2314117-26 Feb 18, 2023	2314117-27 Feb 19, 2023	2314117-28 Feb 20, 2023
10:00 AM - 11:00 AM	0.007	0.007	0.007	0.007	0.008	0.008	0.007
11:00 AM - 12:00 PM	0.007	0.007	0.007	0.007	0.008	0.008	0.007
12:00 PM - 01:00 PM	0.007	0.007	0.007	0.007	0.008	0.008	0.007
01:00 PM - 02:00 PM	0.007	0.007	0.007	0.007	0.008	0.008	0.007
02:00 PM - 03:00 PM	0.007	0.007	0.007	0.007	0.008	0.009	0.007
03:00 PM - 04:00 PM	0.007	0.007	0.007	0.007	0.008	0.008	0.007
04:00 PM - 05:00 PM	0.007	0.007	0.007	0.007	0.007	0.008	0.007
05:00 PM - 06:00 PM	0.007	0.007	0.007	0.008	0.008	0.008	0.007
06:00 PM - 07:00 PM	0.007	0.007	0.007	0.008	0.008	0.008	0.008
07:00 PM - 08:00 PM	0.007	0.007	0.007	0.008	0.008	0.008	0.008
08:00 PM - 09:00 PM	0.007	0.007	0.007	0.008	0.008	0.008	0.008
09:00 PM - 10:00 PM	0.007	0.007	0.007	0.008	0.008	0.008	0.008
10:00 PM - 11:00 PM	0.007	0.007	0.007	0.008	0.008	0.007	0.008
11:00 PM - 12:00 AM	0.007	0.007	0.008	0.008	0.008	0.007	0.008
12:00 AM - 01:00 AM	0.007	0.007	0.008	0.008	0.008	0.008	0.008
01:00 AM - 02:00 AM	0.007	0.007	0.008	0.008	0.008	0.007	0.008
02:00 AM - 03:00 AM	0.007	0.007	0.008	0.008	0.008	0.008	0.008
03:00 AM - 04:00 AM	0.007	0.007	0.008	0.008	0.008	0.008	0.008
04:00 AM - 05:00 AM	0.007	0.007	0.008	0.008	0.008	0.008	0.008
05:00 AM - 06:00 AM	0.007	0.007	0.007	0.008	0.008	0.008	0.008
06:00 AM - 07:00 AM	0.007	0.007	0.007	0.008	0.008	0.008	0.007
07:00 AM - 08:00 AM	0.007	0.003	0.007	0.008	0.008	0.008	0.007
08:00 AM - 09:00 AM	0.007	0.007	0.007	0.008	0.008	0.008	0.008
09:00 AM - 10:00 AM	0.007	0.007	0.007	0.008	0.008	0.008	0.007
Average	0.007	0.007	0.007	0.008	0.008	0.008	0.007
1hr - Maximum	0.007	0.007	0.008	0.008	0.008	0.009	0.008
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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Approved by

*Orawan R.*  
Orawan Rakyong  
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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 : 4500022918

Project Name : Monitoring

Project Location :

Lot ID : 2314123

Date Received : Feb 22, 2023

Date Reported : Feb 28, 2023

Report Number : 2561182-1

Page 1 of 2

Sample Number 2314123-1 to 7  
Parameter Wind Speed / Wind Direction  
Location บ้านภูไทร (Ban Phusai) (GPS 47P 0725767, 1434359)  
Sampling Date Feb 14 - Feb 21, 2023  
Sampling by Chatchai Sukpia

Time	Feb 14 - Feb 15, 2023			Feb 15 - Feb 16, 2023			Feb 16 - Feb 17, 2023			Feb 17 - Feb 18, 2023			Feb 18 - Feb 19, 2023			Feb 19 - Feb 20, 2023			Feb 20 - Feb 21, 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)	
11:00 AM - 12:00 PM	1.1	249.0	WSW	2.4	95.0	E	1.4	82.0	E	2.5	84.0	E	0.8	58.0	ENE	0.4	22.0	NNE	1.9	29.0	NNE
12:00 PM - 01:00 PM	2.8	231.0	SW	1.1	197.0	SSW	2.5	29.0	NNE	0.0	-	-	1.9	39.0	NE	2.7	30.0	NNE	0.3	62.0	ENE
01:00 PM - 02:00 PM	0.8	139.0	SE	1.6	172.0	S	2.3	75.0	ENE	1.8	146.0	SE	1.9	9.0	N	0.4	43.0	NE	0.3	164.0	SSE
02:00 PM - 03:00 PM	2.9	201.0	SSW	0.8	290.0	WNW	1.2	78.0	ENE	0.3	335.0	NNW	1.6	51.0	NE	1.2	81.0	E	1.0	59.0	ENE
03:00 PM - 04:00 PM	0.9	284.0	WNW	0.9	229.0	SW	1.2	69.0	ENE	2.0	11.0	N	1.8	8.0	N	1.7	57.0	ENE	2.8	35.0	NE
04:00 PM - 05:00 PM	4.1	251.0	WSW	0.6	207.0	SSW	0.6	71.0	ENE	2.9	75.0	ENE	1.4	38.0	NE	1.0	55.0	NE	1.7	34.0	NE
05:00 PM - 06:00 PM	1.5	254.0	WSW	1.2	195.0	SSW	1.3	47.0	NE	2.5	37.0	NE	0.8	72.0	ENE	2.0	232.0	SW	1.8	54.0	NE
06:00 PM - 07:00 PM	1.2	232.0	SW	1.8	221.0	SW	0.3	51.0	NE	2.8	31.0	NNE	0.4	62.0	ENE	0.6	227.0	SW	2.4	155.0	SSE
07:00 PM - 08:00 PM	1.7	144.0	SE	0.3	228.0	SW	0.4	54.0	NE	2.3	46.0	NE	0.6	135.0	SE	0.3	248.0	WSW	1.0	205.0	SSW
08:00 PM - 09:00 PM	0.3	191.0	S	0.6	293.0	WNW	0.7	5.0	N	1.0	0.0	N	0.4	227.0	SW	0.6	265.0	W	0.8	191.0	S
09:00 PM - 10:00 PM	0.6	232.0	SW	0.8	294.0	WNW	1.1	1.0	N	0.4	3.0	N	1.2	181.0	S	0.3	266.0	W	0.6	191.0	S
10:00 PM - 11:00 PM	0.8	233.0	SW	0.8	335.0	NNW	0.8	359.0	N	0.6	355.0	N	0.8	303.0	WNW	0.6	265.0	W	1.2	222.0	SW
11:00 PM - 12:00 AM	0.3	268.0	W	0.5	322.0	NW	0.4	18.0	NNE	0.4	355.0	N	0.4	303.0	WNW	0.4	146.0	SE	0.3	315.0	NW
12:00 AM - 01:00 AM	1.2	236.0	SW	1.2	4.0	N	0.3	358.0	N	0.3	48.0	NE	0.3	306.0	NW	0.0	-	-	0.4	10.0	N
01:00 AM - 02:00 AM	0.6	238.0	WSW	0.3	18.0	NNE	0.0	-	-	0.4	328.0	NNW	0.4	306.0	NW	0.0	-	-	1.4	162.0	SSE
02:00 AM - 03:00 AM	0.4	266.0	W	0.4	359.0	N	0.3	0.0	N	0.6	328.0	NNW	0.3	306.0	NW	0.4	314.0	NW	1.2	129.0	SE
03:00 AM - 04:00 AM	0.3	264.0	W	0.6	31.0	NNE	0.6	13.0	NNE	0.6	328.0	NNW	0.0	-	-	0.6	10.0	N	0.6	153.0	SSE
04:00 AM - 05:00 AM	0.3	263.0	W	1.4	46.0	NE	0.4	10.0	N	0.4	30.0	NNE	0.6	318.0	NW	0.3	359.0	N	0.8	319.0	NW
05:00 AM - 06:00 AM	0.6	292.0	WNW	0.3	41.0	NE	0.3	29.0	NNE	1.2	34.0	NE	1.2	312.0	NW	1.2	359.0	N	1.2	319.0	NW
06:00 AM - 07:00 AM	1.2	276.0	W	1.8	104.0	ESE	0.6	42.0	NE	1.4	342.0	NNW	0.8	312.0	NW	1.4	156.0	SSE	1.6	319.0	NW
07:00 AM - 08:00 AM	0.6	280.0	W	1.7	36.0	NE	0.5	62.0	ENE	1.2	317.0	NW	0.9	312.0	NW	0.3	84.0	E	0.8	319.0	NW
08:00 AM - 09:00 AM	1.1	354.0	N	0.8	55.0	NE	1.4	46.0	NE	0.8	318.0	NW	0.6	312.0	NW	0.6	22.0	NNE	0.6	34.0	NE
09:00 AM - 10:00 AM	0.5	161.0	SSE	0.4	28.0	NNE	1.6	30.0	NNE	0.6	332.0	NNW	1.4	164.0	SSE	0.8	46.0	NE	1.2	38.0	NE
10:00 AM - 11:00 AM	0.3	65.0	ENE	0.3	87.0	E	1.8	50.0	NE	0.8	8.0	N	1.3	79.0	E	1.3	48.0	NE	1.2	42.0	NE

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jittranoit  
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 : 4500022918

Project Name : Monitoring

Project Location :

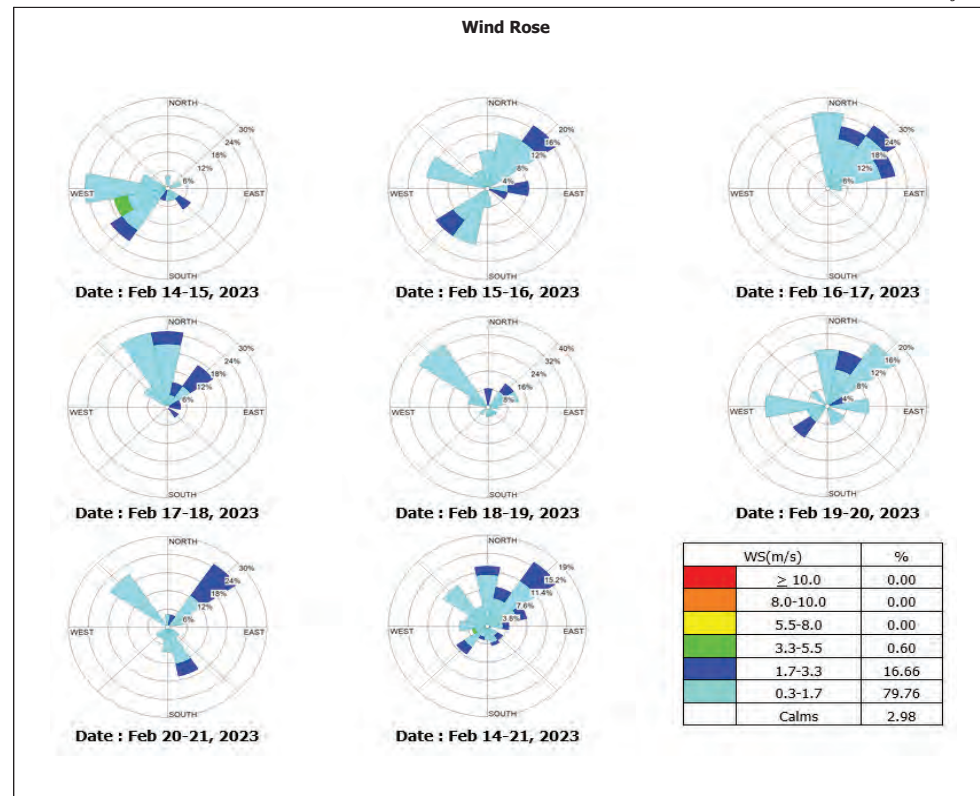
Lot ID : 2314123

Date Received : Feb 22, 2023

Date Reported : Feb 28, 2023

Report Number : 2561182-1

Page 2 of 2



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Approved by

Sarayuth Jittranoit  
Assistant General 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 :



TESTING  
No.0042

Lot ID: 235886

Date Received : Jan 17, 2023

Date Reported : Jan 23, 2023

Report Number : 2545257-1

Page 1 of 1

Sample Number	235886-1						
Sampled Date	Jan 17, 2023 1:10 PM						
Sample Description	Wastewater						
Location	บ่อบำบัดน้ำทิ้งของโครงการ (Sum Pit)						
Date Analysis Commenced	Jan 17, 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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	6.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Rayong
COD	mg/L	1.5	25	31	≤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) *		-	-	7.4	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	324	≤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 ว-323-จ-9460 , Samart Khumphlee 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. 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: 235886

Date Received : Jan 17, 2023

Date Reported : Jan 24, 2023

Report Number : 2545257-2

Page 1 of 1

Sample Number	235886-1						
Sampled Date	Jan 17, 2023 1:10 PM						
Sample Description	Wastewater						
Location	บ่อบำบัดน้ำทิ้งของโครงการ (Sum Pit)						
Date Analysis Commenced	Jan 19, 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
<b>Metals Testing</b>							
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 ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

Remark :

- LOD : Limit of Detection
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- 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 :

Project Name : Monitoring

Project Location :



TESTING  
No.0042

Lot ID: 235886

Date Received : Jan 17, 2023

Date Reported : Jan 23, 2023

Report Number : 2545257-3

Page 1 of 1

Sample Number	235886-1						
Sampled Date	Jan 17, 2023 1:10 PM						
Sample Description	Wastewater						
Location	บ่อพักน้ำทิ้งของโครงการ (Sum Pit)						
Date Analysis Commenced	Jan 17, 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
<b>Water Testing</b>							
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** :

Remark :

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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 : 4500022918

Project Name : Monitoring

Project Location :



TESTING  
No.0042

Lot ID: 232779

Date Received : Feb 14, 2023

Date Reported : Feb 21, 2023

Report Number : 2538376-1

Page 1 of 1

Sample Number	232779-1						
Sampled Date	Feb 14, 2023 1:00 PM						
Sample Description	Wastewater						
Location	บ่อพักน้ำทิ้งของโครงการ (Sum Pit)						
Date Analysis Commenced	Feb 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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	7.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	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	<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	460	≤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** : Tanasit Wongsachai ทะเบียนเลขที่ ๖-๓๒๓-๖-๙๔๖๐ , Samart Khumphlee ทะเบียนเลขที่ ๖-๒๐๔-๖-๗๘๓๐

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

*N. Banongkit*

Narumon Banchongkit  
Supervisor

ทะเบียนเลขที่ ๖-๓๒๓-๖-๙๔๔๕

Approved by

*D. Chanchon*

Dej Chanchon  
Senior Manager

ทะเบียนเลขที่ ๖-๓๒๓-๖-๙๔๔๒

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## Analysis / Test Report



TESTING  
No.0009

Lot ID: 232779

Date Received : Feb 14, 2023

Date Reported : Feb 21, 2023

Report Number : 2538376-2

Client : UACJ (Thailand) Co., Ltd.

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

P/O : 4500022918

Project Name : Monitoring

Project Location :

Sample Number	232779-1						
Sampled Date	Feb 14, 2023 1:00 PM						
Sample Description	Wastewater						
Location	บ่อฟักน้ำทิ้งของโครงการ (Sum Pit)						
Date Analysis Commenced	Feb 16, 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
<b>Metals Testing</b>							
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 ว-323-จ-9460 , 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

*Savitree N.*

Savitree Noisangiam  
Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

*Kanokorn Anek*

Kanokorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report



TESTING  
No.0042

Lot ID: 232779

Date Received : Feb 14, 2023

Date Reported : Feb 21, 2023

Report Number : 2538376-3

Client : UACJ (Thailand) Co., Ltd.

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

P/O : 4500022918

Project Name : Monitoring

Project Location :

Sample Number	232779-1						
Sampled Date	Feb 14, 2023 1:00 PM						
Sample Description	Wastewater						
Location	บ่อฟักน้ำทิ้งของโครงการ (Sum Pit)						
Date Analysis Commenced	Feb 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
<b>Water Testing</b>							
Flow rate *	m3/s	-	-	0.001	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** : Tanasit Wongsachai , 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.

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

P/O : 4500022918

Project Name : Monitoring

Project Location :



TESTING  
No.0042

Lot ID: 2323576

Date Received : Mar 14, 2023

Date Reported : Mar 21, 2023

Report Number : 2581597-1

Page 1 of 1

Sample Number	2323576-1						
Sampled Date	Mar 14, 2023 1:10 PM						
Sample Description	Wastewater						
Location	บ่อกักน้ำทิ้งของโครงการ (Sum Pit)						
Date Analysis Commenced	Mar 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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	6.5	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Rayong
COD	mg/L	1.5	25	52	≤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	724	≤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	10	≤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 , 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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Technical Management

*N. Banphit*

Narumon Banchongkit  
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

Approved by

*D. Chongchon*

Dej Chongchon  
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 : 4500022918

Project Name : Monitoring

Project Location :



TESTING  
No.0009

Lot ID: 2323576

Date Received : Mar 14, 2023

Date Reported : Mar 21, 2023

Report Number : 2581597-2

Page 1 of 1

Sample Number	2323576-1						
Sampled Date	Mar 14, 2023 1:10 PM						
Sample Description	Wastewater						
Location	บ่อกักน้ำทิ้งของโครงการ (Sum Pit)						
Date Analysis Commenced	Mar 16, 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
<b>Metals Testing</b>							
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 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

Remark :

- LOD : Limit of Detection
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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

Client : UACJ (Thailand) Co., Ltd.

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

P/O : 4500022918

Project Name : Monitoring

Project Location :



TESTING  
No.0042

Lot ID: 2323576

Date Received : Mar 14, 2023

Date Reported : Mar 21, 2023

Report Number : 2581597-3

Page 1 of 1

Sample Number	2323576-1						
Sampled Date	Mar 14, 2023 1:10 PM						
Sample Description	Wastewater						
Location	บ่อพักน้ำทิ้งของโครงการ (Sum Pit)						
Date Analysis Commenced	Mar 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
<b>Water Testing</b>							
Flow rate *	m3/s	-	-	0.003	No Standard	Flow meter	Rayong
Fluoride	mg/L	0.05	0.2	0.6	≤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 , Samart Khumphlee

Remark :

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Approved by

*N. Banchoangkit*

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 : 4500022918

Project Name : Monitoring

Project Location :



TESTING  
No.0042

Lot ID: 2336354

Date Received : Apr 11, 2023

Date Reported : Apr 20, 2023

Report Number : 2609908-1

Page 1 of 1

Sample Number	2336354-1						
Sampled Date	Apr 11, 2023 1:15 PM						
Sample Description	Wastewater						
Location	บ่อพักน้ำทิ้งของโครงการ (Sum Pit)						
Date Analysis Commenced	Apr 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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	12.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Rayong
COD	mg/L	1.5	25	72	≤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) *		-	-	7.8	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	776	≤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 , Nantawat Sarin ทะเบียนเลขที่ ๖-204-๖-8596

Remark :

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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



TESTING  
No.0009

Lot ID: 2336354

Date Received : Apr 11, 2023

Date Reported : Apr 20, 2023

Report Number : 2609908-2

Client : UACJ (Thailand) Co., Ltd.

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

P/O : 4500022918

Project Name : Monitoring

Project Location :

Page 1 of 1

Sample Number	2336354-1						
Sampled Date	Apr 11, 2023 1:15 PM						
Sample Description	Wastewater						
Location	บ่อฟักน้ำทิ้งของโครงการ (Sum Pit)						
Date Analysis Commenced	Apr 17, 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
<b>Metals Testing</b>							
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 , Nantawat Sarin ทะเบียนเลขที่ ๖-204-๖-8596

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Technical Management

*Sawitree N.*

Sawitree Noisangiam  
Manager

ทะเบียนเลขที่ ๖-204-๖-4709

Approved by

*Kanokorn Anek*

Kanokorn Anek  
Senior Manager

ทะเบียนเลขที่ ๖-204-๖-6111

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## Analysis / Test Report



TESTING  
No.0042

Lot ID: 2336354

Date Received : Apr 11, 2023

Date Reported : Apr 20, 2023

Report Number : 2609908-3

Client : UACJ (Thailand) Co., Ltd.

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

P/O : 4500022918

Project Name : Monitoring

Project Location :

Page 1 of 1

Sample Number	2336354-1						
Sampled Date	Apr 11, 2023 1:15 PM						
Sample Description	Wastewater						
Location	บ่อฟักน้ำทิ้งของโครงการ (Sum Pit)						
Date Analysis Commenced	Apr 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
<b>Water Testing</b>							
Flow rate *	m3/s	-	-	0.002	No Standard	Flow meter	Rayong
Fluoride	mg/L	0.05	0.2	0.5	≤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 , Nantawat Sarin

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.

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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 : 4500022918

Project Name : Monitoring

Project Location :



TESTING  
No.0042

Lot ID: 2350908

Date Received : May 09, 2023

Date Reported : May 16, 2023

Report Number : 2642160-1

Page 1 of 1

Sample Number	2350908-1						
Sampled Date	May 09, 2023 1:00 PM						
Sample Description	Wastewater						
Location	บ่อกักน้ำทิ้งของโครงการ (Sum Pit)						
Date Analysis Commenced	May 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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	8.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Rayong
COD	mg/L	1.5	25	45	≤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	452	≤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 , 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

*N. Banphit*

Narumon Banchongkit  
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

Approved by

*D. Chongchon*

Dej Chongchon  
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 : 4500022918

Project Name : Monitoring

Project Location :



TESTING  
No.0009

Lot ID: 2350908

Date Received : May 09, 2023

Date Reported : May 16, 2023

Report Number : 2642160-2

Page 1 of 1

Sample Number	2350908-1						
Sampled Date	May 09, 2023 1:00 PM						
Sample Description	Wastewater						
Location	บ่อกักน้ำทิ้งของโครงการ (Sum Pit)						
Date Analysis Commenced	May 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
<b>Metals Testing</b>							
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 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

Remark :

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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

Client : UACJ (Thailand) Co., Ltd.

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

P/O : 4500022918

Project Name : Monitoring

Project Location :



TESTING  
No.0042

Lot ID: 2350908

Date Received : May 09, 2023

Date Reported : May 17, 2023

Report Number : 2642160-3

Page 1 of 1

Sample Number	2350908-1						
Sampled Date	May 09, 2023 1:00 PM						
Sample Description	Wastewater						
Location	บ่อพักน้ำทิ้งของโครงการ (Sum Pit)						
Date Analysis Commenced	May 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
<b>Water Testing</b>							
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 , Samart Khumphlee

Remark :

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Approved by

*N. Banchoangkit*

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 : 4500022918

Project Name : Monitoring

Project Location :



TESTING  
No.0042

Lot ID: 2363684

Date Received : Jun 13, 2023

Date Reported : Jun 20, 2023

Report Number : 2669769-1

Page 1 of 1

Sample Number	2363684-1						
Sampled Date	Jun 13, 2023 1:17 PM						
Sample Description	Wastewater						
Location	บ่อพักน้ำทิ้งของโครงการ (Sum Pit)						
Date Analysis Commenced	Jun 13, 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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	15.0	≤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	88	≤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) *		-	-	7.7	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	820	≤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	25	≤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** : Wanlop Hunchainaow ทะเบียนเลขที่ ว-323-จ-9457 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

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Technical Management

*N. Banchoangkit*

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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## Analysis / Test Report



TESTING  
No.0009

Lot ID: 2363684

Date Received : Jun 13, 2023

Date Reported : Jun 20, 2023

Report Number : 2669769-2

Client : UACJ (Thailand) Co., Ltd.

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

P/O : 4500022918

Project Name : Monitoring

Project Location :

Sample Number	2363684-1						
Sampled Date	Jun 13, 2023 1:17 PM						
Sample Description	Wastewater						
Location	บ่อฟักน้ำทิ้งของโครงการ (Sum Pit)						
Date Analysis Commenced	Jun 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
<b>Metals Testing</b>							
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** : Wanlop Hunchainaow ทะเบียนเลขที่ 7-323-จ-9457 , Samart Khumphlee ทะเบียนเลขที่ 7-204-จ-7830

Remark :

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Technical Management

*Savitree N.*

Savitree Noisanglam  
Manager

ทะเบียนเลขที่ 7-204-จ-4709

Approved by

*Kanokorn Anek*

Kanokorn Anek  
Senior Manager

ทะเบียนเลขที่ 7-204-ค-6111

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## Analysis / Test Report



TESTING  
No.0042

Lot ID: 2363684

Date Received : Jun 13, 2023

Date Reported : Jun 20, 2023

Report Number : 2669769-3

Client : UACJ (Thailand) Co., Ltd.

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

P/O : 4500022918

Project Name : Monitoring

Project Location :

Sample Number	2363684-1						
Sampled Date	Jun 13, 2023 1:17 PM						
Sample Description	Wastewater						
Location	บ่อฟักน้ำทิ้งของโครงการ (Sum Pit)						
Date Analysis Commenced	Jun 13, 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
<b>Water Testing</b>							
Flow rate *	m/s	-	-	0.001	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** : Wanlop Hunchainaow , Samart Khumphlee

Remark :

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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: 232780

Date Received : Jan 17, 2023

Date Reported : Jan 23, 2023

Report Number : 2538381-1

Page 1 of 1

Sample Number	232780-1						
Sampled Date	Jan 17, 2023 1:20 PM						
Sample Description	Wastewater						
Location	บ่อกักน้ำทิ้งของโครงการ (Sum Pit 2)						
Date Analysis Commenced	Jan 17, 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
<b>Water Testing</b>							
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	Rayong
COD	mg/L	1.5	25	<25	≤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	336	≤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 ว-323-จ-9460 , 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: 232780

Date Received : Jan 17, 2023

Date Reported : Jan 24, 2023

Report Number : 2538381-2

Page 1 of 1

Sample Number	232780-1						
Sampled Date	Jan 17, 2023 1:20 PM						
Sample Description	Wastewater						
Location	บ่อกักน้ำทิ้งของโครงการ (Sum Pit 2)						
Date Analysis Commenced	Jan 19, 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
<b>Metals Testing</b>							
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 ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

Remark :

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Technical Management

Sawitree N.

Sawitree Noisangiam

Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

Kanokorn Anek

Kanokorn 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 :



TESTING  
No.0042

Lot ID: 232780

Date Received : Jan 17, 2023

Date Reported : Jan 23, 2023

Report Number : 2538381-3

Page 1 of 1

Sample Number	232780-1						
Sampled Date	Jan 17, 2023 1:20 PM						
Sample Description	Wastewater						
Location	บ่อกักน้ำทิ้งของโครงการ (Sum Pit 2)						
Date Analysis Commenced	Jan 17, 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
<b>Water Testing</b>							
Flow rate *	m3/s	-	-	0.001	No Standard	Flow meter	Rayong
Fluoride	mg/L	0.05	0.2	<0.2	≤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** :

Remark :

- LOD : Limit of Detection
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

*N. Banchoangkit*

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 : 4500022918

Project Name : Monitoring

Project Location :



TESTING  
No.0042

Lot ID: 232781

Date Received : Feb 07, 2023

Date Reported : Feb 14, 2023

Report Number : 2538382-1

Page 1 of 1

Sample Number	232781-1						
Sampled Date	Feb 07, 2023 1:05 PM						
Sample Description	Wastewater						
Location	บ่อกักน้ำทิ้งของโครงการ (Sum Pit 2)						
Date Analysis Commenced	Feb 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	Colorless, odourless, no solid and turbid						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
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	Rayong
COD	mg/L	1.5	25	31	≤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) *		-	-	7.7	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	432	≤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** : Narunat thammasaro ทะเบียนเลขที่ ว-323-จ-9477 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

Remark :

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Technical Management

*N. Banchoangkit*

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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## 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 : 4500022918

Project Name : Monitoring

Project Location :



TESTING  
No.0009

Lot ID: 232781

Date Received : Feb 07, 2023

Date Reported : Feb 14, 2023

Report Number : 2538382-2

Page 1 of 1

Sample Number	232781-1						
Sampled Date	Feb 07, 2023 1:05 PM						
Sample Description	Wastewater						
Location	บ่อพักน้ำทิ้งของโครงการ (Sum Pit 2)						
Date Analysis Commenced	Feb 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	Colorless, odourless, no solid and turbid						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
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** : Narunat thammasaro , Samart Khumphlee

Remark :

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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 : 4500022918

Project Name : Monitoring

Project Location :



TESTING  
No.0042

Lot ID: 232781

Date Received : Feb 07, 2023

Date Reported : Feb 14, 2023

Report Number : 2538382-3

Page 1 of 1

Sample Number	232781-1						
Sampled Date	Feb 07, 2023 1:05 PM						
Sample Description	Wastewater						
Location	บ่อพักน้ำทิ้งของโครงการ (Sum Pit 2)						
Date Analysis Commenced	Feb 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	Colorless, odourless, no solid and turbid						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Flow rate *	m3/s	-	-	0.000	No Standard	Flow meter	Rayong
Fluoride	mg/L	0.05	0.2	0.2	≤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** : Narunat thammasaro , Samart Khumphlee

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 : 4500022918

Project Name : Monitoring

Project Location :



TESTING  
No.0042

Lot ID: 2323568

Date Received : Mar 07, 2023

Date Reported : Mar 14, 2023

Report Number : 2581594-1

Page 1 of 1

Sample Number	2323568-1						
Sampled Date	Mar 07, 2023 1:18 PM						
Sample Description	Wastewater						
Location	บ่อกักน้ำทิ้งของโครงการ (Sum Pit 2)						
Date Analysis Commenced	Mar 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
<b>Water Testing</b>							
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	Rayong
COD	mg/L	1.5	25	<25	≤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) *		-	-	8.2	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	632	≤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 ว-323-จ-9448 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

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Technical Management

*N. Banphit*

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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## Analysis / Test Report

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Thailand 21140

P/O : 4500022918

Project Name : Monitoring

Project Location :



TESTING  
No.0009

Lot ID: 2323568

Date Received : Mar 07, 2023

Date Reported : Mar 14, 2023

Report Number : 2581594-2

Page 1 of 1

Sample Number	2323568-1						
Sampled Date	Mar 07, 2023 1:18 PM						
Sample Description	Wastewater						
Location	บ่อกักน้ำทิ้งของโครงการ (Sum Pit 2)						
Date Analysis Commenced	Mar 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
<b>Metals Testing</b>							
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 ว-323-จ-9448 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

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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 : 4500022918

Project Name : Monitoring

Project Location :



TESTING  
No.0042

Lot ID: 2323568

Date Received : Mar 07, 2023

Date Reported : Mar 14, 2023

Report Number : 2581594-3

Page 1 of 1

Sample Number	2323568-1						
Sampled Date	Mar 07, 2023 1:18 PM						
Sample Description	Wastewater						
Location	บ่อกักน้ำทิ้งของโครงการ (Sum Pit 2)						
Date Analysis Commenced	Mar 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
<b>Water Testing</b>							
Flow rate *	m3/s	-	-	0.003	No Standard	Flow meter	Rayong
Fluoride	mg/L	0.05	0.2	<0.2	≤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** : Pitthaya Thongtaeng , Samart Khumphlee

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Approved by

*N. Banchoangkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

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Thailand 21140

P/O : 4500022918

Project Name : Monitoring

Project Location :



TESTING  
No.0042

Lot ID: 2336358

Date Received : Apr 04, 2023

Date Reported : Apr 11, 2023

Report Number : 2609911-1

Page 1 of 1

Sample Number	2336358-1						
Sampled Date	Apr 04, 2023 1:20 PM						
Sample Description	Wastewater						
Location	บ่อกักน้ำทิ้งของโครงการ (Sum Pit 2)						
Date Analysis Commenced	Apr 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
<b>Water Testing</b>							
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	Rayong
COD	mg/L	1.5	25	33	≤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) *		-	-	6.9	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	636	≤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 , Nantawat Sarin ทะเบียนเลขที่ ๖-204-๖-8596

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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 : 4500022918

Project Name : Monitoring

Project Location :



TESTING  
No.0009

Lot ID: 2336358

Date Received : Apr 04, 2023

Date Reported : Apr 11, 2023

Report Number : 2609911-2

Page 1 of 1

Sample Number	2336358-1						
Sampled Date	Apr 04, 2023 1:20 PM						
Sample Description	Wastewater						
Location	บ่อพักน้ำทิ้งของโครงการ (Sum Pit 2)						
Date Analysis Commenced	Apr 06, 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
<b>Metals Testing</b>							
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 , Nantawat Sarin ทะเบียนเลขที่ ๖-204-๖-8596

Remark :

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

Technical Management

*Chanatt L.*

Chanattagn Imchom  
Supervisor

ทะเบียนเลขที่ ๖-204-๖-4710

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 : 4500022918

Project Name : Monitoring

Project Location :



TESTING  
No.0042

Lot ID: 2336358

Date Received : Apr 04, 2023

Date Reported : Apr 11, 2023

Report Number : 2609911-3

Page 1 of 1

Sample Number	2336358-1						
Sampled Date	Apr 04, 2023 1:20 PM						
Sample Description	Wastewater						
Location	บ่อพักน้ำทิ้งของโครงการ (Sum Pit 2)						
Date Analysis Commenced	Apr 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
<b>Water Testing</b>							
Flow rate *	m/s	-	-	0.002	No Standard	Flow meter	Rayong
Fluoride	mg/L	0.05	0.2	<0.2	≤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** : Pitthaya Thongtaeng , Nantawat Sarin

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.

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 : 4500022918

Project Name : Monitoring

Project Location :



TESTING  
No.0042

Lot ID: 2350913

Date Received : May 09, 2023

Date Reported : May 16, 2023

Report Number : 2642163-1

Page 1 of 1

Sample Number	2350913-1						
Sampled Date	May 09, 2023 1:10 PM						
Sample Description	Wastewater						
Location	บ่อกักน้ำทิ้งของโครงการ (Sum Pit 2)						
Date Analysis Commenced	May 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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	15.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	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) *		-	-	7.1	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	608	≤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 , Samart Khumphlee 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. 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 : 4500022918

Project Name : Monitoring

Project Location :



TESTING  
No.0009

Lot ID: 2350913

Date Received : May 09, 2023

Date Reported : May 16, 2023

Report Number : 2642163-2

Page 1 of 1

Sample Number	2350913-1						
Sampled Date	May 09, 2023 1:10 PM						
Sample Description	Wastewater						
Location	บ่อกักน้ำทิ้งของโครงการ (Sum Pit 2)						
Date Analysis Commenced	May 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
<b>Metals Testing</b>							
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 , Samart Khumphlee 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

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 : 4500022918

Project Name : Monitoring

Project Location :



TESTING  
No.0042

Lot ID: 2350913

Date Received : May 09, 2023

Date Reported : May 16, 2023

Report Number : 2642163-3

Page 1 of 1

Sample Number	2350913-1						
Sampled Date	May 09, 2023 1:10 PM						
Sample Description	Wastewater						
Location	บ่อพักน้ำทิ้งของโครงการ (Sum Pit 2)						
Date Analysis Commenced	May 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
<b>Water Testing</b>							
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 , Samart Khumphlee

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. Banchoangkit*

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 : 4500022918

Project Name : Monitoring

Project Location :



TESTING  
No.0042

Lot ID: 2363686

Date Received : Jun 06, 2023

Date Reported : Jun 13, 2023

Report Number : 2669775-1

Page 1 of 1

Sample Number	2363686-1						
Sampled Date	Jun 06, 2023 1:20 PM						
Sample Description	Wastewater						
Location	บ่อพักน้ำทิ้งของโครงการ (Sum Pit 2)						
Date Analysis Commenced	Jun 06, 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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	2.6	≤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	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) *		-	-	7.8	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** : Paramet Sattayakun ทะเบียนเลขที่ ว-323-จ-9476 , Thanasoun Namakunna ทะเบียนเลขที่ ว-204-จ-8592

Remark :

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Technical Management

*N. Banchoangkit*

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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## Analysis / Test Report



TESTING  
No.0009

Lot ID: 2363686

Date Received : Jun 06, 2023

Date Reported : Jun 13, 2023

Report Number : 2669775-2

Client : UACJ (Thailand) Co., Ltd.

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

P/O : 4500022918

Project Name : Monitoring

Project Location :

Sample Number	2363686-1						
Sampled Date	Jun 06, 2023 1:20 PM						
Sample Description	Wastewater						
Location	บ่อกักน้ำทิ้งของโครงการ (Sum Pit 2)						
Date Analysis Commenced	Jun 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
<b>Metals Testing</b>							
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 , Thanasoun Namakunna ทะเบียนเลขที่ ว-204-จ-8592

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.

Technical Management

*Savitree N.*

Savitree Noisangiam  
Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

*Kanokorn Anek*

Kanokorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report



TESTING  
No.0042

Lot ID: 2363686

Date Received : Jun 06, 2023

Date Reported : Jun 13, 2023

Report Number : 2669775-3

Client : UACJ (Thailand) Co., Ltd.

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

P/O : 4500022918

Project Name : Monitoring

Project Location :

Sample Number	2363686-1						
Sampled Date	Jun 06, 2023 1:20 PM						
Sample Description	Wastewater						
Location	บ่อกักน้ำทิ้งของโครงการ (Sum Pit 2)						
Date Analysis Commenced	Jun 06, 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
<b>Water Testing</b>							
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** : Paramet Sattayakun , Thanasoun Namakunna

Remark :

- LOD : Limit of Detection
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Approved by

*N. Banongkit*

Narumon Banchongkit  
Supervisor

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ระดับเสียงในบรรยากาศโดยทั่วไป



## 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  
**P/O :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314124**  
Date Received : Feb 22, 2023  
Date Reported : Feb 28, 2023  
Report Number: 2576733-1

Page 1 of 1

<b>Sample Number</b>	2314124-1		
<b>Parameter</b>	Noise (Leq 24 hrs.)		
<b>Location</b>	สำนักงานโตโยต้าโรงงาน (GPS 47P 0727094, 1432212)		
<b>Measurement Date</b>	Feb 14 - Feb 15, 2023		
<b>Measurement by</b>	Chatchai Sukpla		
<b>Sound Level meter</b>	Serial No. 734223		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	44.3	68.4	42.6
12:00 PM - 01:00 PM	45.0	62.9	43.2
01:00 PM - 02:00 PM	49.8	62.2	47.6
02:00 PM - 03:00 PM	46.3	57.0	44.4
03:00 PM - 04:00 PM	47.1	67.5	45.1
04:00 PM - 05:00 PM	45.4	56.6	43.7
05:00 PM - 06:00 PM	46.3	60.1	45.0
06:00 PM - 07:00 PM	47.5	62.2	46.2
07:00 PM - 08:00 PM	49.7	67.4	47.1
08:00 PM - 09:00 PM	50.5	58.2	49.1
09:00 PM - 10:00 PM	50.1	58.6	48.8
10:00 PM - 11:00 PM	50.0	64.2	48.0
11:00 PM - 12:00 AM	47.9	60.7	46.3
12:00 AM - 01:00 AM	47.3	57.2	46.4
01:00 AM - 02:00 AM	48.3	65.3	46.7
02:00 AM - 03:00 AM	49.0	61.5	47.3
03:00 AM - 04:00 AM	49.1	61.0	48.1
04:00 AM - 05:00 AM	48.4	59.7	47.3
05:00 AM - 06:00 AM	49.4	62.7	47.9
06:00 AM - 07:00 AM	50.6	63.4	49.5
07:00 AM - 08:00 AM	51.8	67.7	48.4
08:00 AM - 09:00 AM	57.1	78.2	54.2
09:00 AM - 10:00 AM	53.3	71.7	51.9
10:00 AM - 11:00 AM	50.2	62.5	48.2
Leq Average 24 hrs. (dB(A))	50.0		
Lmax (dB(A))		78.2	
L90 (dB(A))			47.3
Ldn (dB(A))	55.7		
Standard (dB(A))	70	115	
Reference Method :	ISO1996-1 and 1996-2		
Standard :	1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ โรงงาน พ.ศ. 2548		
Remark :	The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.		

Technical Management

*Thanitak.*  
Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*  
Supot Salamteah  
Section Head

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## 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  
**P/O :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314124**  
Date Received : Feb 22, 2023  
Date Reported : Feb 28, 2023  
Report Number: 2576734-1

Page 1 of 1

<b>Sample Number</b>	2314124-2		
<b>Parameter</b>	Noise (Leq 24 hrs.)		
<b>Location</b>	สำนักงานโตโยต้าโรงงาน (GPS 47P 0727094, 1432212)		
<b>Measurement Date</b>	Feb 15 - Feb 16, 2023		
<b>Measurement by</b>	Chatchai Sukpla		
<b>Sound Level meter</b>	Serial No. 734223		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	48.6	64.1	47.0
12:00 PM - 01:00 PM	48.8	60.6	47.7
01:00 PM - 02:00 PM	49.7	68.3	47.6
02:00 PM - 03:00 PM	48.2	61.1	46.1
03:00 PM - 04:00 PM	46.3	56.5	45.2
04:00 PM - 05:00 PM	47.1	59.9	45.5
05:00 PM - 06:00 PM	49.3	57.2	46.5
06:00 PM - 07:00 PM	48.5	68.7	46.6
07:00 PM - 08:00 PM	51.2	71.4	48.1
08:00 PM - 09:00 PM	49.7	59.4	47.8
09:00 PM - 10:00 PM	49.1	57.4	47.8
10:00 PM - 11:00 PM	50.4	66.8	48.5
11:00 PM - 12:00 AM	49.9	68.1	48.4
12:00 AM - 01:00 AM	48.9	64.4	47.4
01:00 AM - 02:00 AM	50.8	63.6	48.5
02:00 AM - 03:00 AM	50.3	61.8	49.1
03:00 AM - 04:00 AM	50.2	59.5	49.0
04:00 AM - 05:00 AM	51.3	65.8	49.6
05:00 AM - 06:00 AM	51.6	67.3	49.5
06:00 AM - 07:00 AM	51.1	64.9	49.8
07:00 AM - 08:00 AM	53.3	68.9	49.5
08:00 AM - 09:00 AM	59.1	85.0	54.0
09:00 AM - 10:00 AM	59.7	85.3	55.9
10:00 AM - 11:00 AM	59.8	71.7	55.7
Leq Average 24 hrs. (dB(A))	53.0		
Lmax (dB(A))		85.3	
L90 (dB(A))			48.1
Ldn (dB(A))	57.7		
Standard (dB(A))	70	115	
Reference Method :	ISO1996-1 and 1996-2		
Standard :	1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ โรงงาน พ.ศ. 2548		
Remark :	The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.		

Technical Management

*Thanitak.*  
Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*  
Supot Salamteah  
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 :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314124**  
Date Received : Feb 22, 2023  
Date Reported : Feb 28, 2023  
Report Number: 2576737-1

Page 1 of 1

<b>Sample Number</b>	2314124-5		
<b>Parameter</b>	Noise (Leq 24 hrs.)		
<b>Location</b>	สำนักงานโสตเวชกรรม (GPS 47P 0727094, 1432212)		
<b>Measurement Date</b>	Feb 18 - Feb 19, 2023		
<b>Measurement by</b>	Chatchai Sukpla		
<b>Sound Level meter</b>	Serial No. 734223		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	47.6	61.4	46.2
12:00 PM - 01:00 PM	46.7	62.7	44.9
01:00 PM - 02:00 PM	51.9	75.4	47.8
02:00 PM - 03:00 PM	56.0	80.8	50.7
03:00 PM - 04:00 PM	51.8	66.6	48.6
04:00 PM - 05:00 PM	49.4	65.1	47.0
05:00 PM - 06:00 PM	52.5	68.1	49.9
06:00 PM - 07:00 PM	48.6	59.6	47.1
07:00 PM - 08:00 PM	50.6	76.1	47.8
08:00 PM - 09:00 PM	49.1	62.8	48.0
09:00 PM - 10:00 PM	50.4	57.1	49.2
10:00 PM - 11:00 PM	50.3	59.2	49.3
11:00 PM - 12:00 AM	50.2	66.2	48.5
12:00 AM - 01:00 AM	51.4	63.8	49.6
01:00 AM - 02:00 AM	51.3	62.3	49.6
02:00 AM - 03:00 AM	49.9	58.5	48.6
03:00 AM - 04:00 AM	50.2	58.0	49.1
04:00 AM - 05:00 AM	49.8	58.8	48.7
05:00 AM - 06:00 AM	50.7	71.3	49.4
06:00 AM - 07:00 AM	51.1	64.8	49.7
07:00 AM - 08:00 AM	50.9	72.1	48.9
08:00 AM - 09:00 AM	49.9	61.6	48.1
09:00 AM - 10:00 AM	49.9	63.6	48.1
10:00 AM - 11:00 AM	47.2	57.8	45.7
Leq Average 24 hrs. (dB(A))	50.7		
Lmax (dB(A))		80.8	
L90 (dB(A))			48.6
Ldn (dB(A))	57.0		
Standard (dB(A))	70	115	
Reference Method : ISO1996-1 and 1996-2			
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ โรงงาน พ.ศ. 2548			
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.			

Technical Management

Thanitak.

Thanita Kulsuriwong  
Scientist (4)

Approved by

Supot S.

Supot Salamteah  
Section Head

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S:\Reports\_Air Noise.rpt (10:47AM)



## 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 :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314124**  
Date Received : Feb 22, 2023  
Date Reported : Feb 28, 2023  
Report Number: 2576738-1

Page 1 of 1

<b>Sample Number</b>	2314124-6		
<b>Parameter</b>	Noise (Leq 24 hrs.)		
<b>Location</b>	สำนักงานโสตเวชกรรม (GPS 47P 0727094, 1432212)		
<b>Measurement Date</b>	Feb 19 - Feb 20, 2023		
<b>Measurement by</b>	Chatchai Sukpla		
<b>Sound Level meter</b>	Serial No. 734223		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	46.1	60.1	44.6
12:00 PM - 01:00 PM	46.1	60.1	44.5
01:00 PM - 02:00 PM	46.5	61.4	44.2
02:00 PM - 03:00 PM	46.8	75.3	43.9
03:00 PM - 04:00 PM	46.6	75.1	42.0
04:00 PM - 05:00 PM	44.4	63.5	42.2
05:00 PM - 06:00 PM	46.1	66.2	43.5
06:00 PM - 07:00 PM	47.0	60.8	45.5
07:00 PM - 08:00 PM	49.6	66.1	46.9
08:00 PM - 09:00 PM	47.2	57.4	46.2
09:00 PM - 10:00 PM	48.9	58.6	47.3
10:00 PM - 11:00 PM	48.8	57.7	47.5
11:00 PM - 12:00 AM	48.8	60.2	47.7
12:00 AM - 01:00 AM	50.1	64.3	49.0
01:00 AM - 02:00 AM	50.6	58.6	49.6
02:00 AM - 03:00 AM	51.0	63.5	49.7
03:00 AM - 04:00 AM	50.2	56.5	49.1
04:00 AM - 05:00 AM	49.8	59.8	48.7
05:00 AM - 06:00 AM	50.2	61.2	48.9
06:00 AM - 07:00 AM	51.0	66.2	49.8
07:00 AM - 08:00 AM	52.1	68.2	49.5
08:00 AM - 09:00 AM	51.6	60.6	49.9
09:00 AM - 10:00 AM	51.0	61.6	49.4
10:00 AM - 11:00 AM	49.2	61.3	47.6
Leq Average 24 hrs. (dB(A))	49.2		
Lmax (dB(A))		75.3	
L90 (dB(A))			47.5
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 และระดับเสียงที่เกิดจากการประกอบกิจการ โรงงาน พ.ศ. 2548			
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.			

Technical Management

Thanitak.

Thanita Kulsuriwong  
Scientist (4)

Approved by

Supot S.

Supot Salamteah  
Section Head

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S:\Reports\_Air Noise.rpt (10:48AM)





## 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  
**P/O :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314124**  
Date Received : Feb 22, 2023  
Date Reported : Feb 28, 2023  
Report Number: 2576741-1

Page 1 of 1

<b>Sample Number</b>	2314124-9		
<b>Parameter</b>	Noise (Leq 24 hrs.)		
<b>Location</b>	ตำบลห้วยบ่อทราย/โครงการ (GPS 47P 0727793, 1433011)		
<b>Measurement Date</b>	Feb 15 - Feb 16, 2023		
<b>Measurement by</b>	Chatchai Sukpia		
<b>Sound Level meter</b>	Serial No. 1122579		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	61.2	81.3	56.2
12:00 PM - 01:00 PM	60.5	80.7	55.0
01:00 PM - 02:00 PM	60.5	81.8	56.1
02:00 PM - 03:00 PM	61.3	77.5	56.3
03:00 PM - 04:00 PM	60.7	78.6	55.8
04:00 PM - 05:00 PM	60.3	81.6	55.6
05:00 PM - 06:00 PM	62.7	83.5	57.6
06:00 PM - 07:00 PM	60.6	82.8	54.6
07:00 PM - 08:00 PM	62.9	81.4	56.7
08:00 PM - 09:00 PM	62.0	80.7	57.4
09:00 PM - 10:00 PM	57.5	83.7	50.7
10:00 PM - 11:00 PM	54.7	74.3	50.2
11:00 PM - 12:00 AM	54.0	77.9	49.9
12:00 AM - 01:00 AM	52.9	69.6	49.8
01:00 AM - 02:00 AM	52.0	73.6	49.6
02:00 AM - 03:00 AM	53.6	72.1	49.5
03:00 AM - 04:00 AM	51.8	66.6	49.2
04:00 AM - 05:00 AM	53.5	70.3	49.4
05:00 AM - 06:00 AM	58.6	78.7	51.8
06:00 AM - 07:00 AM	63.0	84.8	56.8
07:00 AM - 08:00 AM	66.7	88.3	61.0
08:00 AM - 09:00 AM	63.7	84.5	58.4
09:00 AM - 10:00 AM	62.0	81.8	56.5
10:00 AM - 11:00 AM	61.8	79.5	55.7
Leq Average 24 hrs. (dB(A))	60.8		
Lmax (dB(A))		88.3	
L90 (dB(A))			55.6
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 และระดับเสียงที่ถือจากการประกอบกิจการ ตามพ.ศ. 2548		
Remark :	The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.		

Technical Management

*Thanitak.*  
Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*  
Supot Salamteah  
Section Head

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## 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  
**P/O :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314124**  
Date Received : Feb 22, 2023  
Date Reported : Feb 28, 2023  
Report Number: 2576742-1

Page 1 of 1

<b>Sample Number</b>	2314124-10		
<b>Parameter</b>	Noise (Leq 24 hrs.)		
<b>Location</b>	ตำบลห้วยบ่อทราย/โครงการ (GPS 47P 0727793, 1433011)		
<b>Measurement Date</b>	Feb 16 - Feb 17, 2023		
<b>Measurement by</b>	Chatchai Sukpia		
<b>Sound Level meter</b>	Serial No. 1122579		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	65.8	85.5	58.7
12:00 PM - 01:00 PM	59.6	77.8	52.6
01:00 PM - 02:00 PM	60.9	85.1	55.5
02:00 PM - 03:00 PM	61.2	79.8	56.6
03:00 PM - 04:00 PM	61.7	84.3	57.0
04:00 PM - 05:00 PM	62.0	78.1	57.7
05:00 PM - 06:00 PM	62.8	79.4	58.6
06:00 PM - 07:00 PM	60.8	82.6	55.9
07:00 PM - 08:00 PM	62.5	82.4	57.4
08:00 PM - 09:00 PM	61.7	80.5	57.1
09:00 PM - 10:00 PM	56.7	79.5	50.7
10:00 PM - 11:00 PM	57.0	82.0	50.5
11:00 PM - 12:00 AM	56.5	79.3	51.1
12:00 AM - 01:00 AM	58.8	87.1	51.8
01:00 AM - 02:00 AM	54.6	74.3	50.0
02:00 AM - 03:00 AM	52.2	71.3	49.5
03:00 AM - 04:00 AM	52.6	70.1	49.3
04:00 AM - 05:00 AM	54.4	75.0	49.4
05:00 AM - 06:00 AM	58.0	84.2	51.6
06:00 AM - 07:00 AM	62.4	84.1	57.0
07:00 AM - 08:00 AM	65.9	85.7	60.4
08:00 AM - 09:00 AM	64.2	79.5	59.6
09:00 AM - 10:00 AM	62.0	82.9	57.3
10:00 AM - 11:00 AM	60.7	78.4	55.8
Leq Average 24 hrs. (dB(A))	61.2		
Lmax (dB(A))		87.1	
L90 (dB(A))			55.8
Ldn (dB(A))	65.0		
Standard (dB(A))	70	115	
Reference Method :	ISO1996-1 and 1996-2		
Standard :	1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่ถือจากการประกอบกิจการ ตามพ.ศ. 2548		
Remark :	The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.		

Technical Management

*Thanitak.*  
Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*  
Supot Salamteah  
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 :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314124**  
Date Received : Feb 22, 2023  
Date Reported : Feb 28, 2023  
Report Number: 2576745-1

Page 1 of 1

<b>Sample Number</b>	2314124-13		
<b>Parameter</b>	Noise (Leq 24 hrs.)		
<b>Location</b>	ด้านทิศตะวันออกของโรงงาน (GPS 47P 0727793, 1433011)		
<b>Measurement Date</b>	Feb 19 - Feb 20, 2023		
<b>Measurement by</b>	Chatchai Sukpia		
<b>Sound Level meter</b>	Serial No. 1122579		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	60.6	76.6	55.6
12:00 PM - 01:00 PM	58.4	83.8	51.0
01:00 PM - 02:00 PM	52.3	67.3	50.5
02:00 PM - 03:00 PM	58.3	81.4	51.1
03:00 PM - 04:00 PM	53.2	72.8	51.3
04:00 PM - 05:00 PM	54.9	74.2	50.1
05:00 PM - 06:00 PM	67.5	94.8	60.1
06:00 PM - 07:00 PM	50.0	68.0	47.6
07:00 PM - 08:00 PM	52.0	69.4	50.0
08:00 PM - 09:00 PM	66.6	90.2	58.9
09:00 PM - 10:00 PM	60.8	79.2	51.5
10:00 PM - 11:00 PM	61.6	81.6	55.9
11:00 PM - 12:00 AM	60.7	80.7	53.2
12:00 AM - 01:00 AM	52.5	70.5	50.1
01:00 AM - 02:00 AM	56.5	80.8	51.1
02:00 AM - 03:00 AM	55.1	73.7	51.1
03:00 AM - 04:00 AM	60.2	84.2	53.0
04:00 AM - 05:00 AM	50.7	70.6	47.6
05:00 AM - 06:00 AM	61.3	77.1	55.4
06:00 AM - 07:00 AM	62.4	83.5	56.4
07:00 AM - 08:00 AM	59.4	76.1	54.7
08:00 AM - 09:00 AM	59.0	79.1	53.9
09:00 AM - 10:00 AM	59.6	73.4	54.7
10:00 AM - 11:00 AM	60.5	83.5	52.6
Leq Average 24 hrs. (dB(A))	60.4		
Lmax (dB(A))		90.2	
L90 (dB(A))			51.5
Ldn (dB(A))	66.0		
Standard (dB(A))	70	115	
Reference Method :	ISO1996-1 and 1996-2		
Standard :	1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่ถือจากการประกอบกิจการ โรงงาน พ.ศ. 2548		
Remark :	The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.		

Technical Management

*Thanitak.*  
Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*  
Supot Salamteah  
Section Head

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S:\Reports\_Air Noise rpt (10:52AM)



## 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 :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314124**  
Date Received : Feb 22, 2023  
Date Reported : Feb 28, 2023  
Report Number: 2576746-1

Page 1 of 1

<b>Sample Number</b>	2314124-14		
<b>Parameter</b>	Noise (Leq 24 hrs.)		
<b>Location</b>	ด้านทิศตะวันออกของโรงงาน (GPS 47P 0727793, 1433011)		
<b>Measurement Date</b>	Feb 20 - Feb 21, 2023		
<b>Measurement by</b>	Chatchai Sukpia		
<b>Sound Level meter</b>	Serial No. 1122579		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	58.3	83.6	52.5
12:00 PM - 01:00 PM	56.6	74.8	51.1
01:00 PM - 02:00 PM	54.7	76.7	50.7
02:00 PM - 03:00 PM	61.2	77.1	51.3
03:00 PM - 04:00 PM	59.7	81.5	55.8
04:00 PM - 05:00 PM	60.9	79.2	56.4
05:00 PM - 06:00 PM	53.4	75.2	49.5
06:00 PM - 07:00 PM	62.2	84.4	51.9
07:00 PM - 08:00 PM	63.1	80.0	55.2
08:00 PM - 09:00 PM	60.5	79.9	53.2
09:00 PM - 10:00 PM	55.0	78.5	50.3
10:00 PM - 11:00 PM	52.4	67.9	49.5
11:00 PM - 12:00 AM	58.5	78.4	51.6
12:00 AM - 01:00 AM	55.2	77.1	49.5
01:00 AM - 02:00 AM	50.4	65.6	47.6
02:00 AM - 03:00 AM	52.4	77.4	48.3
03:00 AM - 04:00 AM	53.5	71.8	50.3
04:00 AM - 05:00 AM	53.7	73.3	48.1
05:00 AM - 06:00 AM	56.3	72.2	51.1
06:00 AM - 07:00 AM	61.1	76.1	55.7
07:00 AM - 08:00 AM	62.2	83.7	52.4
08:00 AM - 09:00 AM	61.4	80.2	54.5
09:00 AM - 10:00 AM	64.3	85.8	57.4
10:00 AM - 11:00 AM	63.6	88.8	54.4
Leq Average 24 hrs. (dB(A))	59.6		
Lmax (dB(A))		88.8	
L90 (dB(A))			51.3
Ldn (dB(A))	63.6		
Standard (dB(A))	70	115	
Reference Method :	ISO1996-1 and 1996-2		
Standard :	1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่ถือจากการประกอบกิจการ โรงงาน พ.ศ. 2548		
Remark :	The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.		

Technical Management

*Thanitak.*  
Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*  
Supot Salamteah  
Section Head

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9044-21/ EMAIL

S:\Reports\_Air Noise rpt (10:52AM)



## 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 : 4500024388  
Project Name : Monitoring  
Project Location :

Lot ID: 2325592  
Date Received : Mar 15, 2023  
Date Reported : Mar 18, 2023  
Report Number: 2596588-1

Page 1 of 1

Sample Number	2325592-3		
Parameter	Noise (Leq 24 hrs.)		
Location	ด้านทิศตะวันออกโรงการ (GPS 47P 0727094, 1432212)		
Measurement Date	Mar 10 - Mar 11, 2023		
Measurement by	Apichart Wilars		
Sound Level meter	Serial No. 1222724		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	56.2	71.2	54.4
11:00 AM - 12:00 PM	56.0	69.6	54.0
12:00 PM - 01:00 PM	56.9	77.3	54.6
01:00 PM - 02:00 PM	64.4	80.1	55.0
02:00 PM - 03:00 PM	63.3	84.6	52.6
03:00 PM - 04:00 PM	57.7	72.8	52.9
04:00 PM - 05:00 PM	58.4	72.8	53.7
05:00 PM - 06:00 PM	55.1	70.0	53.3
06:00 PM - 07:00 PM	56.9	76.1	54.3
07:00 PM - 08:00 PM	55.9	71.1	54.4
08:00 PM - 09:00 PM	56.9	67.0	54.2
09:00 PM - 10:00 PM	57.6	65.8	55.6
10:00 PM - 11:00 PM	58.8	67.5	55.9
11:00 PM - 12:00 AM	57.6	69.2	55.2
12:00 AM - 01:00 AM	55.8	66.1	54.7
01:00 AM - 02:00 AM	57.8	68.7	54.4
02:00 AM - 03:00 AM	57.3	68.5	55.1
03:00 AM - 04:00 AM	57.1	64.3	56.2
04:00 AM - 05:00 AM	56.8	62.9	56.0
05:00 AM - 06:00 AM	57.1	61.8	56.2
06:00 AM - 07:00 AM	57.9	69.5	56.5
07:00 AM - 08:00 AM	57.3	69.8	55.1
08:00 AM - 09:00 AM	59.1	72.0	55.2
09:00 AM - 10:00 AM	62.8	77.4	55.8
Leq Average 24 hrs. (dB(A))	58.7		
Lmax (dB(A))		84.6	
L90 (dB(A))			54.7
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 และระดับเสียงที่เกิดจากการประกอบกิจการ			
ตาม พ.ร.บ. 2548			
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.			

Technical Management

Thanitak.  
Thanita Kulsuriwong  
Scientist (4)

Approved by

Supot S  
Supot Salamteah  
Section Head

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9044-21/ EMAIL

S:\Reports\_Air Noise rpt ( 9:29AM)



## 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 : 4500024388  
Project Name : Monitoring  
Project Location :

Lot ID: 2325592  
Date Received : Mar 15, 2023  
Date Reported : Mar 18, 2023  
Report Number: 2596591-1

Page 1 of 1

Sample Number	2325592-4		
Parameter	Noise (Leq 24 hrs.)		
Location	ด้านทิศตะวันออกโรงการ (GPS 47P 0727094, 1432212)		
Measurement Date	Mar 11 - Mar 12, 2023		
Measurement by	Apichart Wilars		
Sound Level meter	Serial No. 1222724		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	64.7	77.7	58.9
11:00 AM - 12:00 PM	63.0	76.8	56.5
12:00 PM - 01:00 PM	56.1	70.7	54.5
01:00 PM - 02:00 PM	58.9	74.3	53.8
02:00 PM - 03:00 PM	59.9	72.5	53.8
03:00 PM - 04:00 PM	58.0	79.2	54.2
04:00 PM - 05:00 PM	55.2	63.8	54.1
05:00 PM - 06:00 PM	55.9	70.0	54.1
06:00 PM - 07:00 PM	54.3	62.2	53.5
07:00 PM - 08:00 PM	54.5	73.0	53.4
08:00 PM - 09:00 PM	59.8	72.9	55.6
09:00 PM - 10:00 PM	57.7	64.4	56.5
10:00 PM - 11:00 PM	59.0	66.0	57.0
11:00 PM - 12:00 AM	58.6	66.9	56.0
12:00 AM - 01:00 AM	57.7	65.6	55.5
01:00 AM - 02:00 AM	56.2	64.2	55.5
02:00 AM - 03:00 AM	56.6	63.6	55.8
03:00 AM - 04:00 AM	57.9	67.8	55.8
04:00 AM - 05:00 AM	56.6	65.3	55.7
05:00 AM - 06:00 AM	56.3	63.2	55.5
06:00 AM - 07:00 AM	59.2	72.4	56.9
07:00 AM - 08:00 AM	59.6	68.2	56.6
08:00 AM - 09:00 AM	59.4	69.8	55.6
09:00 AM - 10:00 AM	57.6	76.6	54.6
Leq Average 24 hrs. (dB(A))	58.8		
Lmax (dB(A))		79.2	
L90 (dB(A))			55.5
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 และระดับเสียงที่เกิดจากการประกอบกิจการ			
ตาม พ.ร.บ. 2548			
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.			

Technical Management

Thanitak.  
Thanita Kulsuriwong  
Scientist (4)

Approved by

Supot S  
Supot Salamteah  
Section Head

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S:\Reports\_Air Noise rpt ( 9:29AM)



## 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  
**P/O :** 450002388  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2325592**  
Date Received : Mar 15, 2023  
Date Reported : Mar 18, 2023  
Report Number: 2596592-1

Page 1 of 1

<b>Sample Number</b>	2325592-7		
<b>Parameter</b>	Noise (Leq 24 hrs.)		
<b>Location</b>	สถานีเคเบิ้ลของโครงการ (GPS 47P 0727094, 1432212)		
<b>Measurement Date</b>	Mar 14 - Mar 15, 2023		
<b>Measurement by</b>	Apichart Wilars		
<b>Sound Level meter</b>	Serial No. 1222724		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	56.1	71.1	54.3
11:00 AM - 12:00 PM	55.3	69.5	53.9
12:00 PM - 01:00 PM	56.8	77.2	54.5
01:00 PM - 02:00 PM	64.3	80.0	54.9
02:00 PM - 03:00 PM	63.2	84.5	52.5
03:00 PM - 04:00 PM	57.6	72.7	52.8
04:00 PM - 05:00 PM	58.3	72.7	53.6
05:00 PM - 06:00 PM	55.0	69.9	53.2
06:00 PM - 07:00 PM	56.8	76.0	54.2
07:00 PM - 08:00 PM	55.8	71.0	54.3
08:00 PM - 09:00 PM	56.8	66.9	54.1
09:00 PM - 10:00 PM	57.5	65.7	55.5
10:00 PM - 11:00 PM	58.7	67.4	55.8
11:00 PM - 12:00 AM	57.5	69.1	55.1
12:00 AM - 01:00 AM	55.7	66.0	54.6
01:00 AM - 02:00 AM	57.7	68.6	54.3
02:00 AM - 03:00 AM	57.2	68.4	55.0
03:00 AM - 04:00 AM	57.0	64.2	56.1
04:00 AM - 05:00 AM	56.7	62.8	55.9
05:00 AM - 06:00 AM	57.0	61.7	56.1
06:00 AM - 07:00 AM	57.8	69.4	56.4
07:00 AM - 08:00 AM	57.2	69.7	55.0
08:00 AM - 09:00 AM	59.0	71.9	55.1
09:00 AM - 10:00 AM	62.7	77.3	55.7
Leq Average 24 hrs. (dB(A))	58.6		
Lmax (dB(A))		84.5	
L90 (dB(A))			54.6
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 และระดับเสียงที่เกิดจากการประกอบกิจการ โรงงาน พ.ศ. 2548		
Remark :	The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.		

Technical Management

*Thanitak.*  
Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*  
Supot Salamteah  
Section Head

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S:\Reports\_Air Noise rpt (9:30AM)



## 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  
**P/O :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314124**  
Date Received : Feb 22, 2023  
Date Reported : Feb 28, 2023  
Report Number: 2576755-1

Page 1 of 1

<b>Sample Number</b>	2314124-22		
<b>Parameter</b>	Noise (Leq 24 hrs.)		
<b>Location</b>	สถานีเคเบิ้ลของโครงการ (GPS 47P 0727619, 1433056)		
<b>Measurement Date</b>	Feb 14 - Feb 15, 2023		
<b>Measurement by</b>	Chatchai Sukpia		
<b>Sound Level meter</b>	Serial No. 1122607		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	65.4	79.1	64.8
12:00 PM - 01:00 PM	64.2	69.7	63.6
01:00 PM - 02:00 PM	65.6	74.5	65.1
02:00 PM - 03:00 PM	65.7	82.2	65.0
03:00 PM - 04:00 PM	65.8	76.9	65.1
04:00 PM - 05:00 PM	66.2	77.8	65.2
05:00 PM - 06:00 PM	66.0	77.5	65.3
06:00 PM - 07:00 PM	66.2	79.1	65.6
07:00 PM - 08:00 PM	66.4	75.2	65.7
08:00 PM - 09:00 PM	66.5	80.2	65.8
09:00 PM - 10:00 PM	66.2	70.6	65.7
10:00 PM - 11:00 PM	66.5	69.2	65.9
11:00 PM - 12:00 AM	66.8	78.3	66.1
12:00 AM - 01:00 AM	66.6	70.3	66.1
01:00 AM - 02:00 AM	66.5	68.7	66.0
02:00 AM - 03:00 AM	65.9	68.5	65.4
03:00 AM - 04:00 AM	65.9	73.2	65.4
04:00 AM - 05:00 AM	66.0	70.4	65.4
05:00 AM - 06:00 AM	66.2	73.5	65.6
06:00 AM - 07:00 AM	66.2	80.7	65.4
07:00 AM - 08:00 AM	66.2	84.4	65.0
08:00 AM - 09:00 AM	68.3	81.5	66.2
09:00 AM - 10:00 AM	66.8	73.7	66.1
10:00 AM - 11:00 AM	65.6	78.0	64.8
Leq Average 24 hrs. (dB(A))	66.2		
Lmax (dB(A))		84.4	
L90 (dB(A))			65.4
Ldn (dB(A))	72.7		
Standard (dB(A))	70	115	
Reference Method :	ISO1996-1 and 1996-2		
Standard :	1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ โรงงาน พ.ศ. 2548		
Remark :	The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.		

Technical Management

*Thanitak.*  
Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*  
Supot Salamteah  
Section Head

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S:\Reports\_Air Noise rpt (10:54AM)



## 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  
P/O : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314124  
Date Received : Feb 22, 2023  
Date Reported : Feb 28, 2023  
Report Number: 2576758-1

Page 1 of 1

Sample Number	2314124-25		
Parameter	Noise (Leq 24 hrs.)		
Location	สถานีเพื่อเชื่อมโรงถลุง (GPS 47P 0727619, 1433056)		
Measurement Date	Feb 17 - Feb 18, 2023		
Measurement by	Chatchai Sukpia		
Sound Level meter	Serial No. 1122607		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	65.6	75.1	64.9
12:00 PM - 01:00 PM	65.9	74.2	65.2
01:00 PM - 02:00 PM	66.1	85.4	65.4
02:00 PM - 03:00 PM	66.1	80.1	65.2
03:00 PM - 04:00 PM	65.7	81.4	64.6
04:00 PM - 05:00 PM	65.0	77.8	64.0
05:00 PM - 06:00 PM	64.8	74.9	63.8
06:00 PM - 07:00 PM	65.6	77.0	64.7
07:00 PM - 08:00 PM	65.9	79.6	65.1
08:00 PM - 09:00 PM	65.7	77.2	65.1
09:00 PM - 10:00 PM	66.1	86.9	65.2
10:00 PM - 11:00 PM	65.8	68.3	65.4
11:00 PM - 12:00 AM	66.0	69.2	65.5
12:00 AM - 01:00 AM	66.2	70.2	65.7
01:00 AM - 02:00 AM	66.2	77.7	65.7
02:00 AM - 03:00 AM	66.3	69.0	65.8
03:00 AM - 04:00 AM	65.9	74.0	65.3
04:00 AM - 05:00 AM	66.0	73.4	65.5
05:00 AM - 06:00 AM	66.1	74.4	65.5
06:00 AM - 07:00 AM	66.6	83.0	65.9
07:00 AM - 08:00 AM	67.0	83.9	65.8
08:00 AM - 09:00 AM	66.0	77.8	65.3
09:00 AM - 10:00 AM	65.6	75.2	65.0
10:00 AM - 11:00 AM	65.7	79.0	65.0
Leq Average 24 hrs. (dB(A))	65.9		
Lmax (dB(A))		86.9	
L90 (dB(A))			65.2
Ldn (dB(A))	72.5		
Standard (dB(A))	70	115	
Reference Method	: ISO1996-1 and 1996-2		
Standard	: 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ โรงงาน พ.ศ. 2548		
Remark	: The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.		

Technical Management

Thanitak.  
Thanita Kulsuriwong  
Scientist (4)

Approved by

Supot S.  
Supot Salamteah  
Section Head

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9044-21/ EMAIL

S:\Reports\_Air Noise.rpt (10:55AM)



## 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  
P/O : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314124  
Date Received : Feb 22, 2023  
Date Reported : Feb 28, 2023  
Report Number: 2576759-1

Page 1 of 1

Sample Number	2314124-26		
Parameter	Noise (Leq 24 hrs.)		
Location	สถานีเพื่อเชื่อมโรงถลุง (GPS 47P 0727619, 1433056)		
Measurement Date	Feb 18 - Feb 19, 2023		
Measurement by	Chatchai Sukpia		
Sound Level meter	Serial No. 1122607		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	65.6	70.5	64.9
12:00 PM - 01:00 PM	65.8	74.2	65.1
01:00 PM - 02:00 PM	65.7	84.3	64.8
02:00 PM - 03:00 PM	65.7	81.8	65.0
03:00 PM - 04:00 PM	65.5	73.3	64.9
04:00 PM - 05:00 PM	66.0	80.6	65.0
05:00 PM - 06:00 PM	65.8	77.2	65.0
06:00 PM - 07:00 PM	66.0	74.8	65.3
07:00 PM - 08:00 PM	66.5	74.7	65.7
08:00 PM - 09:00 PM	66.8	77.7	66.0
09:00 PM - 10:00 PM	66.2	77.4	65.7
10:00 PM - 11:00 PM	66.5	85.3	65.9
11:00 PM - 12:00 AM	66.4	70.8	65.9
12:00 AM - 01:00 AM	66.5	70.8	66.0
01:00 AM - 02:00 AM	66.3	81.7	65.8
02:00 AM - 03:00 AM	66.3	68.5	65.8
03:00 AM - 04:00 AM	66.5	69.9	66.0
04:00 AM - 05:00 AM	66.4	71.0	66.0
05:00 AM - 06:00 AM	67.0	82.8	66.2
06:00 AM - 07:00 AM	66.9	78.8	66.1
07:00 AM - 08:00 AM	67.2	85.3	66.1
08:00 AM - 09:00 AM	66.0	74.4	65.4
09:00 AM - 10:00 AM	65.5	74.7	64.9
10:00 AM - 11:00 AM	65.3	74.2	64.7
Leq Average 24 hrs. (dB(A))	66.2		
Lmax (dB(A))		85.3	
L90 (dB(A))			65.7
Ldn (dB(A))	72.9		
Standard (dB(A))	70	115	
Reference Method	: ISO1996-1 and 1996-2		
Standard	: 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ โรงงาน พ.ศ. 2548		
Remark	: The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.		

Technical Management

Thanitak.  
Thanita Kulsuriwong  
Scientist (4)

Approved by

Supot S.  
Supot Salamteah  
Section Head

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9044-21/ EMAIL

S:\Reports\_Air Noise.rpt (10:55AM)





## Analysis / Test Report



TESTING  
No. 0042

**Client:** UACJ (Thailand) Co., Ltd.  
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporna, A. Pluakdaeng, Rayong Thailand  
21140  
**P/O:** 4500022918  
**Project Name:** Monitoring  
**Project Location:**

**Lot ID: 2314124**  
Date Received : Feb 22, 2023  
Date Reported : Feb 28, 2023  
Report Number: 2576762-1

Page 1 of 1

<b>Sample Number</b>	2314124-29		
<b>Parameter</b>	Noise (Leq 24 hrs.)		
<b>Location</b>	ชุมชนบ้านไทร (Ban Phusai Community) (GPS 47P 0725739, 1434370)		
<b>Measurement Date</b>	Feb 14 - Feb 15, 2023		
<b>Measurement by</b>	Chatchai Sukpla		
<b>Sound Level meter</b>	Serial No. 734221		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	47.5	65.5	44.1
12:00 PM - 01:00 PM	48.8	68.7	42.5
01:00 PM - 02:00 PM	53.9	76.4	44.3
02:00 PM - 03:00 PM	52.3	75.1	43.6
03:00 PM - 04:00 PM	50.7	72.0	42.6
04:00 PM - 05:00 PM	55.1	77.8	45.5
05:00 PM - 06:00 PM	48.7	69.5	42.5
06:00 PM - 07:00 PM	51.2	78.8	46.1
07:00 PM - 08:00 PM	58.0	88.8	49.1
08:00 PM - 09:00 PM	45.3	53.6	44.0
09:00 PM - 10:00 PM	45.8	64.3	43.7
10:00 PM - 11:00 PM	45.0	59.8	43.5
11:00 PM - 12:00 AM	46.0	65.9	44.3
12:00 AM - 01:00 AM	45.5	61.7	44.5
01:00 AM - 02:00 AM	51.8	65.5	44.5
02:00 AM - 03:00 AM	50.3	73.2	42.2
03:00 AM - 04:00 AM	45.5	59.3	43.7
04:00 AM - 05:00 AM	44.4	52.3	43.9
05:00 AM - 06:00 AM	44.8	51.6	43.9
06:00 AM - 07:00 AM	53.0	73.8	46.5
07:00 AM - 08:00 AM	61.2	79.0	54.9
08:00 AM - 09:00 AM	59.6	76.3	53.8
09:00 AM - 10:00 AM	51.7	77.2	42.7
10:00 AM - 11:00 AM	57.2	75.1	46.8
Leq Average 24 hrs. (dB(A))	53.6		
Lmax (dB(A))		88.8	
L90 (dB(A))			44.0
Ldn (dB(A))	56.7		
Standard (dB(A))	70	115	
Reference Method :	ISO1996-1 and 1996-2		
Standard :	1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เฝ้าระวังการรบกวนจาก โรงงาน พ.ศ. 2548		
Remark :	The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.		

Technical Management

Thanitak.

Thanita Kulsuriwong  
Scientist (4)

Approved by

Supot S.

Supot Salamteah  
Section Head

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## Analysis / Test Report



TESTING  
No. 0042

**Client:** UACJ (Thailand) Co., Ltd.  
7/352 Moo 6, Amata City Industrial Estate, T. Mabyangporna, A. Pluakdaeng, Rayong Thailand  
21140  
**P/O:** 4500022918  
**Project Name:** Monitoring  
**Project Location:**

**Lot ID: 2314124**  
Date Received : Feb 22, 2023  
Date Reported : Feb 28, 2023  
Report Number: 2576763-1

Page 1 of 1

<b>Sample Number</b>	2314124-30		
<b>Parameter</b>	Noise (Leq 24 hrs.)		
<b>Location</b>	ชุมชนบ้านไทร (Ban Phusai Community) (GPS 47P 0725739, 1434370)		
<b>Measurement Date</b>	Feb 15 - Feb 16, 2023		
<b>Measurement by</b>	Chatchai Sukpla		
<b>Sound Level meter</b>	Serial No. 734221		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	60.6	78.5	54.4
12:00 PM - 01:00 PM	51.7	71.0	44.1
01:00 PM - 02:00 PM	54.6	79.7	47.7
02:00 PM - 03:00 PM	54.5	76.6	47.8
03:00 PM - 04:00 PM	52.4	75.9	46.3
04:00 PM - 05:00 PM	52.2	76.5	46.7
05:00 PM - 06:00 PM	48.0	70.9	44.9
06:00 PM - 07:00 PM	46.2	61.9	44.0
07:00 PM - 08:00 PM	46.2	61.9	43.1
08:00 PM - 09:00 PM	45.1	63.7	42.1
09:00 PM - 10:00 PM	47.4	59.7	46.3
10:00 PM - 11:00 PM	45.3	55.7	43.9
11:00 PM - 12:00 AM	48.1	62.1	45.7
12:00 AM - 01:00 AM	45.9	64.7	43.5
01:00 AM - 02:00 AM	47.3	66.6	41.6
02:00 AM - 03:00 AM	45.4	63.4	43.8
03:00 AM - 04:00 AM	45.7	65.1	44.2
04:00 AM - 05:00 AM	46.2	59.4	44.7
05:00 AM - 06:00 AM	48.6	72.1	42.7
06:00 AM - 07:00 AM	52.7	74.7	43.0
07:00 AM - 08:00 AM	62.9	83.4	56.3
08:00 AM - 09:00 AM	60.2	76.5	56.2
09:00 AM - 10:00 AM	56.8	72.8	52.8
10:00 AM - 11:00 AM	61.4	79.2	57.5
Leq Average 24 hrs. (dB(A))	55.2		
Lmax (dB(A))		83.4	
L90 (dB(A))			44.7
Ldn (dB(A))	57.3		
Standard (dB(A))	70	115	
Reference Method :	ISO1996-1 and 1996-2		
Standard :	1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เฝ้าระวังการรบกวนจาก โรงงาน พ.ศ. 2548		
Remark :	The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.		

Technical Management

Thanitak.

Thanita Kulsuriwong  
Scientist (4)

Approved by

Supot S.

Supot Salamteah  
Section Head

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## 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  
**P/O :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314124**  
Date Received : Feb 22, 2023  
Date Reported : Feb 28, 2023  
Report Number: 2576766-1

Page 1 of 1

<b>Sample Number</b>	2314124-33		
<b>Parameter</b>	Noise (Leq 24 hrs.)		
<b>Location</b>	ชุมชนบ้านโพธิ์ (Ban Phusai Community) (GPS 47P 0725739, 1434370)		
<b>Measurement Date</b>	Feb 18 - Feb 19, 2023		
<b>Measurement by</b>	Chatchai Sukpla		
<b>Sound Level meter</b>	Serial No. 734221		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	52.3	72.9	46.6
12:00 PM - 01:00 PM	57.7	82.7	52.4
01:00 PM - 02:00 PM	54.8	76.0	48.1
02:00 PM - 03:00 PM	63.5	79.0	58.6
03:00 PM - 04:00 PM	55.6	83.5	49.9
04:00 PM - 05:00 PM	51.1	78.4	48.3
05:00 PM - 06:00 PM	51.0	70.7	48.0
06:00 PM - 07:00 PM	49.1	70.4	42.2
07:00 PM - 08:00 PM	53.0	89.5	45.0
08:00 PM - 09:00 PM	48.2	68.8	40.0
09:00 PM - 10:00 PM	48.4	79.6	41.6
10:00 PM - 11:00 PM	47.0	66.1	44.5
11:00 PM - 12:00 AM	45.3	65.9	42.2
12:00 AM - 01:00 AM	44.4	66.5	41.2
01:00 AM - 02:00 AM	46.0	63.3	43.9
02:00 AM - 03:00 AM	44.9	58.8	43.5
03:00 AM - 04:00 AM	44.3	62.7	43.1
04:00 AM - 05:00 AM	43.2	56.7	42.0
05:00 AM - 06:00 AM	45.4	64.1	43.1
06:00 AM - 07:00 AM	48.7	69.5	44.3
07:00 AM - 08:00 AM	43.5	61.0	42.3
08:00 AM - 09:00 AM	43.2	59.6	41.6
09:00 AM - 10:00 AM	48.1	65.5	42.5
10:00 AM - 11:00 AM	50.7	68.4	43.9
Leq Average 24 hrs. (dB(A))	53.1		
Lmax (dB(A))		89.5	
L90 (dB(A))			43.5
Ldn (dB(A))	55.2		
Standard (dB(A))	70	115	
Reference Method : ISO1996-1 and 1996-2			
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ โรงงาน พ.ศ. 2548			
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.			

Technical Management

*Thanitak.*  
Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*  
Supot Salamteah  
Section Head

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## 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  
**P/O :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314124**  
Date Received : Feb 22, 2023  
Date Reported : Feb 28, 2023  
Report Number: 2576766-1

Page 1 of 1

<b>Sample Number</b>	2314124-34		
<b>Parameter</b>	Noise (Leq 24 hrs.)		
<b>Location</b>	ชุมชนบ้านโพธิ์ (Ban Phusai Community) (GPS 47P 0725739, 1434370)		
<b>Measurement Date</b>	Feb 19 - Feb 20, 2023		
<b>Measurement by</b>	Chatchai Sukpla		
<b>Sound Level meter</b>	Serial No. 734221		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	52.6	77.0	45.5
12:00 PM - 01:00 PM	52.4	66.6	49.7
01:00 PM - 02:00 PM	52.8	62.6	49.4
02:00 PM - 03:00 PM	53.0	60.9	49.5
03:00 PM - 04:00 PM	56.3	65.7	48.4
04:00 PM - 05:00 PM	51.7	71.6	45.3
05:00 PM - 06:00 PM	52.2	72.2	46.3
06:00 PM - 07:00 PM	46.5	67.3	43.2
07:00 PM - 08:00 PM	42.9	55.8	41.9
08:00 PM - 09:00 PM	43.6	61.3	40.8
09:00 PM - 10:00 PM	45.9	76.3	44.6
10:00 PM - 11:00 PM	46.9	57.3	45.8
11:00 PM - 12:00 AM	47.4	58.4	46.0
12:00 AM - 01:00 AM	47.0	63.8	45.6
01:00 AM - 02:00 AM	47.1	57.3	46.1
02:00 AM - 03:00 AM	46.7	57.1	45.7
03:00 AM - 04:00 AM	45.8	54.8	44.8
04:00 AM - 05:00 AM	45.9	58.4	44.8
05:00 AM - 06:00 AM	46.1	58.0	44.8
06:00 AM - 07:00 AM	52.7	76.1	49.3
07:00 AM - 08:00 AM	52.7	74.7	45.4
08:00 AM - 09:00 AM	53.5	70.3	45.9
09:00 AM - 10:00 AM	51.0	74.9	43.1
10:00 AM - 11:00 AM	53.8	75.0	45.5
Leq Average 24 hrs. (dB(A))	50.9		
Lmax (dB(A))		77.0	
L90 (dB(A))			45.5
Ldn (dB(A))	55.2		
Standard (dB(A))	70	115	
Reference Method : ISO1996-1 and 1996-2			
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ โรงงาน พ.ศ. 2548			
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.			

Technical Management

*Thanitak.*  
Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*  
Supot Salamteah  
Section Head

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S:\Reports\_Air Noise rpt (10:57AM)



## 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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580644-1



TESTING  
No.0042

Sample No. 2314125-1  
Parameter เสียงรบกวน  
Location ตำบลโคกสีไธสง (GPS 47P 0727094, 1432212)  
Measurement Date Feb 14 - 15, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00734223

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ระดับเสียง (dB(A))		ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับการรบกวน
			ผลต่าง	ตัวปรับค่า	ค่าจริง	ค่าปรับ		
11:00 AM - 12:00 PM	44.3	43.6	0.7	7.0	37.3	-	41.2	-3.9
12:00 PM - 01:00 PM	45.0	43.2	1.8	4.5	40.5	-	40.3	0.2
01:00 PM - 02:00 PM	49.8	42.6	7.2	1.0	48.8	-	40.4	8.4
02:00 PM - 03:00 PM	46.3	45.2	1.1	7.0	39.3	-	40.9	-1.6
03:00 PM - 04:00 PM	47.1	45.6	1.5	4.5	42.6	-	41.6	1.0
04:00 PM - 05:00 PM	45.4	45.3	0.1	7.0	38.4	-	42.8	-4.4
05:00 PM - 06:00 PM	46.3	45.6	0.7	7.0	39.3	-	43.1	-3.8
06:00 PM - 07:00 PM	47.5	49.1	-1.6	7.0	40.5	-	46.3	-5.8
07:00 PM - 08:00 PM	49.7	48.9	0.8	7.0	42.7	-	46.8	-4.1
08:00 PM - 09:00 PM	50.5	47.5	3.0	3.0	47.5	-	45.2	2.3
09:00 PM - 10:00 PM	50.1	46.1	4.0	2.0	48.1	-	44.5	3.6
10:00 PM - 10:05 PM	49.2	45.3	3.9	2.0	-	50.2	44.4	5.8
10:05 PM - 10:10 PM	48.9	45.3	3.6	2.0	-	49.9	44.5	5.4
10:10 PM - 10:15 PM	49.8	45.6	4.2	2.0	-	50.8	44.8	6.0
10:15 PM - 10:20 PM	50.5	45.2	5.3	1.5	-	52.0	44.3	7.7
10:20 PM - 10:25 PM	52.0	46.5	5.5	1.5	-	53.5	44.9	8.6
10:25 PM - 10:30 PM	50.7	45.6	5.1	1.5	-	52.2	44.7	7.5
10:30 PM - 10:35 PM	50.7	45.7	5.0	1.5	-	52.2	44.8	7.4
10:35 PM - 10:40 PM	48.6	45.6	3.0	3.0	-	48.6	44.7	3.9
10:40 PM - 10:45 PM	50.7	45.6	5.1	1.5	-	52.2	44.5	7.7
10:45 PM - 10:50 PM	50.0	46.1	3.9	2.0	-	51.0	44.9	6.1
10:50 PM - 10:55 PM	49.7	45.8	3.9	2.0	-	50.7	44.8	5.9
10:55 PM - 11:00 PM	47.1	45.6	1.5	4.5	-	45.6	44.4	1.2
11:00 PM - 11:05 PM	51.1	46.1	5.0	1.5	-	52.6	44.9	7.9
11:05 PM - 11:10 PM	49.8	46.9	2.9	3.0	-	49.8	44.3	5.5
11:10 PM - 11:15 PM	49.0	45.2	3.8	2.0	-	50.0	44.0	6.0
11:15 PM - 11:20 PM	46.0	45.0	1.0	7.0	-	42.0	43.8	-1.8
11:20 PM - 11:25 PM	46.2	44.7	1.5	4.5	-	42.7	43.8	-0.9
11:25 PM - 11:30 PM	46.8	45.2	1.6	4.5	-	45.3	43.9	1.4
11:30 PM - 11:35 PM	49.5	44.9	4.6	1.5	-	51.0	43.5	7.5
11:35 PM - 11:40 PM	47.1	45.0	2.1	7.0	-	43.1	44.0	-0.9
11:40 PM - 11:45 PM	46.2	45.8	0.4	7.0	-	42.2	44.4	-2.2
11:45 PM - 11:50 PM	46.2	46.6	-0.4	7.0	-	42.2	44.9	-2.7
11:50 PM - 11:55 PM	46.3	46.5	-0.2	7.0	-	42.3	44.9	-2.6
11:55 PM - 12:00 AM	46.3	48.1	-1.8	7.0	-	42.3	44.7	-2.4
12:00 AM - 12:05 AM	46.9	53.6	-6.7	7.0	-	42.9	46.0	-3.1
12:05 AM - 12:10 AM	47.0	46.8	0.2	7.0	-	43.0	45.1	-2.1
12:10 AM - 12:15 AM	47.3	46.2	1.1	7.0	-	43.3	44.6	-1.3
12:15 AM - 12:20 AM	47.0	45.7	1.3	7.0	-	43.0	44.7	-1.7
12:20 AM - 12:25 AM	47.0	45.5	1.5	4.5	-	43.5	44.5	-1.0

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 : UACI (Thailand) Co., Ltd.  
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpore, A. Pluakdaeng, Rayong  
Thailand 21140  
P/O : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580644-1



TESTING  
No.0042

Sample No. 2314125-1  
Parameter เสียงรบกวน  
Location ตำบลโคกสีไธสง (GPS 47P 0727094, 1432212)  
Measurement Date Feb 14 - 15, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00734223

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ระดับเสียง (dB(A))		ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับการรบกวน
			ผลต่าง	ตัวปรับค่า	ค่าจริง	ค่าปรับ		
03:45 AM - 03:50 AM	49.7	43.2	6.5	1.0	-	51.7	42.3	9.4
03:50 AM - 03:55 AM	48.9	43.2	5.7	1.5	-	49.4	42.5	7.9
03:55 AM - 04:00 AM	48.4	45.7	2.7	3.0	-	48.4	42.8	5.6
04:00 AM - 04:05 AM	49.0	43.1	5.9	1.5	-	50.5	42.2	8.3
04:05 AM - 04:10 AM	49.6	43.1	6.5	1.5	-	51.6	42.3	9.3
04:10 AM - 04:15 AM	49.1	43.0	6.1	1.5	-	50.6	42.2	8.4
04:15 AM - 04:20 AM	49.1	42.8	6.3	1.5	-	50.6	41.9	8.7
04:20 AM - 04:25 AM	48.8	42.8	6.0	1.5	-	50.3	42.0	8.3
04:25 AM - 04:30 AM	48.8	43.4	5.4	1.5	-	50.3	42.7	7.6
04:30 AM - 04:35 AM	48.8	43.5	5.3	1.5	-	50.3	42.8	7.5
04:35 AM - 04:40 AM	46.4	43.4	3.0	3.0	-	46.4	42.7	3.7
04:40 AM - 04:45 AM	46.5	43.3	3.2	3.0	-	46.5	42.7	3.8
04:45 AM - 04:50 AM	46.7	43.3	3.4	3.0	-	46.7	42.4	4.3
04:50 AM - 04:55 AM	47.0	43.3	3.7	2.0	-	48.0	42.6	5.4
04:55 AM - 05:00 AM	49.5	43.6	5.9	1.5	-	51.0	42.6	8.4
05:00 AM - 05:05 AM	50.6	46.6	4.0	2.0	-	51.6	42.4	9.2
05:05 AM - 05:10 AM	49.6	43.0	6.6	1.0	-	51.6	42.3	9.3
05:10 AM - 05:15 AM	49.0	43.2	5.8	1.5	-	50.5	42.3	8.2
05:15 AM - 05:20 AM	49.1	43.1	6.0	1.5	-	50.6	42.4	8.2
05:20 AM - 05:25 AM	49.5	43.5	6.0	1.5	-	51.0	42.6	8.4
05:25 AM - 05:30 AM	48.6	46.0	2.6	3.0	-	48.6	42.8	5.8
05:30 AM - 05:35 AM	48.9	44.9	4.0	2.0	-	49.9	42.7	7.2
05:35 AM - 05:40 AM	47.8	43.4	4.4	2.0	-	48.8	42.6	6.2
05:40 AM - 05:45 AM	50.4	43.2	7.2	1.0	-	52.4	42.5	9.9
05:45 AM - 05:50 AM	50.1	43.8	6.3	1.5	-	51.6	42.8	8.7
05:50 AM - 05:55 AM	49.2	45.9	3.3	3.0	-	49.2	43.1	6.1
05:55 AM - 06:00 AM	49.2	49.4	-0.2	7.0	-	45.2	43.2	2.0
06:00 AM - 06:05 AM	50.6	44.0	6.6	1.0	49.6	-	42.8	6.8
06:05 AM - 06:10 AM	51.8	45.4	6.4	1.5	50.3	-	43.1	7.2
06:10 AM - 06:15 AM	57.1	46.3	10.8	0.5	56.6	-	42.0	14.6
06:15 AM - 06:20 AM	53.3	44.4	8.9	0.5	52.8	-	42.0	10.8
06:20 AM - 06:25 AM	50.2	44.3	5.9	1.5	48.7	-	41.7	7.0

Reference Method :  
1. ISO 1996-1  
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการตรวจวัดเสียงรบกวนรอบสิ่งแวดล้อม เฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553  
มาตรฐาน  
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548  
2. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานเสียงรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการภายในชุมชนของชุมชน พ.ศ. 2561

ระดับเสียงที่รายงานและระดับเสียงขณะไม่มีกิจกรรม (Sample No. 23142538-1) วันที่ตรวจวัด 31 ธันวาคม 2565-01 มกราคม 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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580644-1



TESTING  
No.0042

Sample No. 2314125-1  
Parameter เสียงรบกวน  
Location ตำบลโคกสีไธสง (GPS 47P 0727094, 1432212)  
Measurement Date Feb 14 - 15, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00734223

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ระดับเสียง (dB(A))		ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับการรบกวน
			ผลต่าง	ตัวปรับค่า	ค่าจริง	ค่าปรับ		
12:25 AM - 12:30 AM	47.7	46.0	1.7	4.5	-	46.2	44.8	1.4
12:30 AM - 12:35 AM	48.5	45.9	2.6	3.0	-	48.5	44.6	3.9
12:35 AM - 12:40 AM	47.6	45.5	2.1	4.5	-	46.1	44.0	2.1
12:40 AM - 12:45 AM	47.2	46.3	0.9	7.0	-	43.2	44.6	-1.4
12:45 AM - 12:50 AM	47.0	45.8	1.2	7.0	-	43.0	44.2	-1.2
12:50 AM - 12:55 AM	46.8	45.0	1.8	4.5	-	45.3	43.4	1.9
12:55 AM - 01:00 AM	46.9	45.5	1.4	7.0	-	42.9	43.2	-0.3
01:00 AM - 01:05 AM	47.5	47.5	0.0	7.0	-	43.5	44.9	-6.6
01:05 AM - 01:10 AM	47.3	43.7	3.6	2.0	-	48.3	42.9	5.4
01:10 AM - 01:15 AM	47.2	44.0	3.2	3.0	-	47.2	43.0	4.2
01:15 AM - 01:20 AM	46.5	45.5	1.0	7.0	-	42.5	43.3	-0.6
01:20 AM - 01:25 AM	47.0	45.8	1.2	7.0	-	43.0	44.4	-1.6
01:25 AM - 01:30 AM	47.3	45.9	1.4	7.0	-	43.3	44.6	-1.3
01:30 AM - 01:35 AM	50.4	46.1	4.3	2.0	-	51.4	44.2	7.2
01:35 AM - 01:40 AM	50.8	46.2	4.6	1.5	-	52.3	44.5	7.8
01:40 AM - 01:45 AM	48.7	46.3	2.4	4.5	-	47.2	44.5	2.7
01:45 AM - 01:50 AM	48.5	46.0	2.5	3.0	-	48.5	44.3	4.2
01:50 AM - 01:55 AM	47.8	45.9	1.9	4.5	-	46.3	43.8	2.5
01:55 AM - 02:00 AM	47.7	46.6	1.1	7.0	-	43.7	44.5	-0.8
02:00 AM - 02:05 AM	48.5	45.7	2.8	3.0	-	48.5	44.2	4.3
02:05 AM - 02:10 AM	48.6	45.8	2.8	3.0	-	48.6	44.1	4.5
02:10 AM - 02:15 AM	47.5	46.2	1.3	7.0	-	43.5	44.1	-0.6
02:15 AM - 02:20 AM	47.2	46.2	1.0	7.0	-	43.2	44.4	-1.2
02:20 AM - 02:25 AM	47.5	45.9	1.6	4.5	-	46.0	44.7	1.3
02:25 AM - 02:30 AM	48.4	46.1	2.3	4.5	-	46.9	44.5	2.4
02:30 AM - 02:35 AM	50.3	46.0	4.3	2.0	-	51.3	44.2	7.1
02:35 AM - 02:40 AM	50.6	45.9	4.7	1.5	-	52.1	44.1	8.0
02:40 AM - 02:45 AM	51.1	45.3	5.2	1.5	-	52.6	43.9	8.7
02:45 AM - 02:50 AM	49.7	46.0	3.7	2.0	-	50.7	43.8	6.9
02:50 AM - 02:55 AM	48.5	47.7	0.8	7.0	-	44.5	44.5	0.0
02:55 AM - 03:00 AM	48.3	46.1	2.2	4.5	-	46.8	43.6	3.2
03:00 AM - 03:05 AM	49.0	42.0	7.0	3.0	-	49.0	44.0	5.0



## 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 : 4500022918  
Project Name : Monitoring  
Project Location :



TESTING  
No.0042

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580645-1

Sample No. 2314125-2  
Parameter เลื่อนรบกวน  
Location ตำบลไผ่ล้อม/โครงการ (GPS 47P 0727094, 1432212)  
Measurement Date Feb 15 - 16, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00734223

ระดับเสียง (dB(A))							เสียงพื้นฐาน	การประเมินการรบกวน
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ผลค่าลด	ค่าปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด			
					การคำนวณ	การแก้ไข		
12:25 AM - 12:30 AM	48.9	46.0	2.9	3.0	-	48.9	44.8	4.1
12:30 AM - 12:35 AM	50.5	45.9	4.6	1.5	-	52.0	47.4	4.6
12:35 AM - 12:40 AM	48.5	45.5	3.0	3.0	-	48.5	44.0	4.5
12:40 AM - 12:45 AM	48.3	46.3	2.0	4.5	-	46.8	44.6	2.2
12:45 AM - 12:50 AM	47.1	45.8	1.3	7.0	-	43.1	44.2	-1.1
12:50 AM - 12:55 AM	47.3	45.0	2.3	4.5	-	45.8	43.4	2.4
12:55 AM - 01:00 AM	48.3	45.5	2.8	3.0	-	48.3	43.2	5.1
01:00 AM - 01:05 AM	48.9	47.5	1.4	7.0	-	44.9	42.9	2.0
01:05 AM - 01:10 AM	49.5	43.7	5.8	1.5	-	51.0	42.9	8.1
01:10 AM - 01:15 AM	48.7	44.0	4.7	1.5	-	50.2	43.0	7.2
01:15 AM - 01:20 AM	50.0	45.5	4.5	1.5	-	51.5	43.3	8.2
01:20 AM - 01:25 AM	50.1	45.8	4.3	2.0	-	51.1	44.6	6.5
01:25 AM - 01:30 AM	52.9	45.9	7.0	1.0	-	54.9	44.6	10.3
01:30 AM - 01:35 AM	49.7	46.1	3.6	2.0	-	50.7	44.2	6.5
01:35 AM - 01:40 AM	54.5	46.2	8.3	0.5	-	57.0	44.5	12.5
01:40 AM - 01:45 AM	49.7	46.3	3.4	3.0	-	49.7	44.5	5.2
01:45 AM - 01:50 AM	49.1	46.0	3.1	3.0	-	49.1	44.3	4.8
01:50 AM - 01:55 AM	51.1	45.9	5.2	1.5	-	52.6	43.8	8.8
01:55 AM - 02:00 AM	51.4	46.6	4.8	1.5	-	52.9	44.5	8.4
02:00 AM - 02:05 AM	51.8	45.7	6.1	1.5	-	53.3	44.2	9.1
02:05 AM - 02:10 AM	50.6	45.8	4.8	1.5	-	52.1	44.1	8.0
02:10 AM - 02:15 AM	50.4	46.2	4.2	2.0	-	51.4	44.1	7.3
02:15 AM - 02:20 AM	50.2	46.2	4.0	2.0	-	51.2	44.0	6.8
02:20 AM - 02:25 AM	50.4	45.9	4.5	1.5	-	51.9	44.1	7.8
02:25 AM - 02:30 AM	49.6	46.1	3.5	2.0	-	50.6	44.5	6.1
02:30 AM - 02:35 AM	49.7	46.0	3.7	2.0	-	50.7	44.2	6.5
02:35 AM - 02:40 AM	49.9	45.9	4.0	2.0	-	50.9	44.3	6.8
02:40 AM - 02:45 AM	50.0	45.9	4.1	2.0	-	51.0	43.9	7.1
02:45 AM - 02:50 AM	49.9	46.0	3.9	2.0	-	50.9	43.8	7.1
02:50 AM - 02:55 AM	49.2	47.7	1.5	4.5	-	47.7	44.5	3.2
02:55 AM - 03:00 AM	50.8	46.1	4.7	1.5	-	52.3	43.6	8.7
03:00 AM - 03:05 AM	49.4	46.0	3.4	7.0	-	49.4	44.0	5.4
03:05 AM - 03:10 AM	50.3	46.2	4.1	2.0	-	51.3	44.1	7.2
03:10 AM - 03:15 AM	50.4	45.4	5.0	1.5	-	51.9	43.4	8.5
03:15 AM - 03:20 AM	50.4	45.6	4.8	1.5	-	51.7	43.6	8.1
03:20 AM - 03:25 AM	50.1	44.1	6.0	1.5	-	51.6	43.0	8.6
03:25 AM - 03:30 AM	50.8	43.8	7.0	1.0	-	52.8	42.9	9.9
03:30 AM - 03:35 AM	50.2	44.1	6.1	1.5	-	51.7	43.0	8.7
03:35 AM - 03:40 AM	50.2	43.8	6.4	1.5	-	51.7	42.9	8.8
03:40 AM - 03:45 AM	50.2	43.4	6.8	1.0	-	52.2	42.7	9.5

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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 : 4500022918  
Project Name : Monitoring  
Project Location :



TESTING  
No.0042

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580646-1

Sample No. 2314125-3  
Parameter เลื่อนรบกวน  
Location ตำบลไผ่ล้อม/โครงการ (GPS 47P 0727094, 1432212)  
Measurement Date Feb 16 - 17, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00734223

ระดับเสียง (dB(A))								
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ผลค่าระดับเสียง	ค่าปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		การประเมินการรบกวน	
					การคำนวณ	ค่าเสียง		
11:00 AM - 12:00 PM	50.9	43.6	7.3	1.0	49.9	-	41.2	8.7
12:00 PM - 01:00 PM	60.1	43.2	16.9	0.0	60.1	-	40.3	19.8
01:00 PM - 02:00 PM	63.2	42.6	20.6	0.0	63.2	-	40.4	22.8
02:00 PM - 03:00 PM	60.5	45.2	15.3	0.0	60.5	-	40.9	19.6
03:00 PM - 04:00 PM	59.0	45.6	13.4	0.0	59.0	-	41.6	17.4
04:00 PM - 05:00 PM	54.3	45.3	9.0	0.5	53.8	-	42.8	11.0
05:00 PM - 06:00 PM	54.2	45.6	8.6	0.5	53.7	-	43.1	10.6
06:00 PM - 07:00 PM	48.8	49.1	0.3	7.0	41.8	-	46.3	-4.5
07:00 PM - 08:00 PM	50.9	48.9	2.0	4.5	46.4	-	46.8	-0.4
08:00 PM - 09:00 PM	49.5	47.5	2.0	4.5	45.0	-	45.2	-0.2
09:00 PM - 10:00 PM	48.5	46.1	2.4	4.5	44.0	-	44.5	-0.5
10:00 PM - 10:05 PM	49.2	45.3	3.9	2.0	-	50.2	44.4	5.8
10:05 PM - 10:10 PM	49.3	45.3	4.0	2.0	-	50.3	44.5	5.8
10:10 PM - 10:15 PM	49.8	45.6	4.2	2.0	-	50.8	44.8	6.0
10:15 PM - 10:20 PM	50.6	45.2	5.4	1.5	-	50.5	44.7	5.8
10:20 PM - 10:25 PM	49.6	45.6	4.0	1.5	-	49.6	44.9	4.7
10:25 PM - 10:30 PM	50.9	45.6	5.3	1.5	-	52.4	44.7	7.7
10:30 PM - 10:35 PM	53.2	45.7	7.5	0.5	-	55.7	44.8	10.9
10:35 PM - 10:40 PM	53.3	45.6	7.7	0.5	-	55.8	44.7	11.1
10:40 PM - 10:45 PM	53.3	45.6	7.7	0.5	-	55.8	44.5	11.3
10:45 PM - 10:50 PM	51.4	46.1	5.3	1.5	-	52.9	44.9	8.0
10:50 PM - 10:55 PM	50.3	45.8	4.5	1.5	-	51.8	44.8	7.0
10:55 PM - 11:00 PM	49.5	45.6	3.9	2.0	-	50.5	44.6	6.1
11:00 PM - 11:05 PM	49.4	46.1	3.3	3.0	-	49.4	44.7	4.7
11:05 PM - 11:10 PM	49.7	46.9	2.8	3.0	-	49.7	44.3	5.4
11:10 PM - 11:15 PM	49.1	45.2	3.9	2.0	-	50.1	44.0	6.1
11:15 PM - 11:20 PM	49.5	45.0	4.5	1.5	-	51.3	43.8	7.2
11:20 PM - 11:25 PM	49.3	45.7	3.6	2.0	-	50.8	43.8	7.0
11:25 PM - 11:30 PM	48.9	45.2	3.7	2.0	-	49.9	43.9	6.0
11:30 PM - 11:35 PM	50.8	44.9	5.9	1.5	-	52.3	43.5	8.8
11:35 PM - 11:40 PM	49.9	46.0	3.9	2.0	-	50.9	44.0	6.9
11:40 PM - 11:45 PM	49.3	45.9	3.4	2.0	-	49.3	44.4	4.9
11:45 PM - 11:50 PM	50.4	46.6	3.8	2.0	-	51.4	44.9	6.5
11:50 PM - 11:55 PM	50.9	46.5	4.4	2.0	-	51.9	44.9	7.0
11:55 PM - 12:00 AM	50.0	48.1	1.9	4.5	-	48.5	44.7	3.8
12:00 AM - 12:05 AM	50.7	53.6	2.9	0.7	-	46.4	44.0	0.7
12:05 AM - 12:10 AM	51.2	46.8	4.4	2.0	-	52.2	45.1	7.1
12:10 AM - 12:15 AM	51.0	46.2	4.8	1.5	-	52.5	44.6	7.9
12:15 AM - 12:20 AM	49.5	45.7	3.8	2.0	-	50.5	44.7	5.8
12:20 AM - 12:25 AM	49.2	45.5	3.7	2.0	-	50.2	44.7	5.5

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.

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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 : 4500022918  
Project Name : Monitoring  
Project Location :



TESTING  
No.0042

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580645-1

Sample No. 2314125-2  
Parameter เลื่อนรบกวน  
Location ตำบลไผ่ล้อม/โครงการ (GPS 47P 0727094, 1432212)  
Measurement Date Feb 15 - 16, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00734223

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		ปรับค่าเสียงจากแหล่งกำเนิด	เสียงที่รบกวน	การคำนวณการรบกวน	
			ผลค่าเสียง	ตัวปรับค่า				ค่าปรับ
03:45 AM - 03:50 AM	49.3	43.2	6.1	1.5	-	50.8	42.3	8.5
03:50 AM - 03:55 AM	50.1	43.2	6.9	1.0	-	52.1	42.5	9.6
03:55 AM - 04:00 AM	50.7	45.7	5.0	1.5	-	52.2	42.8	9.4
04:00 AM - 04:05 AM	51.2	43.0	8.2	0.5	-	53.7	42.2	11.5
04:05 AM - 04:10 AM	50.2	43.1	7.1	1.0	-	52.2	42.3	9.9
04:10 AM - 04:15 AM	50.7	43.0	7.7	0.5	-	53.2	42.4	10.0
04:15 AM - 04:20 AM	50.2	42.8	7.4	1.0	-	53.1	41.9	11.3
04:20 AM - 04:25 AM	50.7	42.8	7.9	0.5	-	53.2	42.0	11.2
04:25 AM - 04:30 AM	50.3	43.4	6.9	1.0	-	52.3	42.7	9.6
04:30 AM - 04:35 AM	51.9	43.5	8.4	0.5	-	54.4	42.6	11.6
04:35 AM - 04:40 AM	51.0	43.4	7.6	0.5	-	54.2	42.8	10.8
04:40 AM - 04:45 AM	51.9	43.3	8.6	0.5	-	54.4	42.7	11.7
04:45 AM - 04:50 AM	51.9	43.3	8.6	0.5	-	54.4	42.4	12.0
04:50 AM - 04:55 AM	52.0	43.3	8.7	0.5	-	54.5	42.6	11.9
04:55 AM - 05:00 AM	52.3	43.6	8.7	0.5	-	54.8	42.6	12.2
05:00 AM - 05:05 AM	52.1	46.6	5.5	1.5	-	53.6	42.4	11.2
05:05 AM - 05:10 AM	50.4	43.0	7.4	1.0	-	52.4	42.3	10.1
05:10 AM - 05:15 AM	50.5	43.2	7.3	1.0	-	52.5	42.3	10.2
05:15 AM - 05:20 AM	51.0	43.1	7.9	0.5	-	53.5	42.3	11.1
05:20 AM - 05:25 AM	49.5	43.5	6.0	1.5	-	51.0	42.6	8.4
05:25 AM - 05:30 AM	52.2	46.0	6.2	1.5	-	53.7	42.8	10.9
05:30 AM - 05:35 AM	52.5	44.9	7.6	0.5	-	55.0	42.7	12.3
05:35 AM - 05:40 AM	53.1	43.4	9.7	0.5	-	55.6	42.6	13.0
05:40 AM - 05:45 AM	51.7	43.2	8.5	0.5	-	54.2	42.5	11.7
05:45 AM - 05:50 AM	50.5	43.8	6.7	1.0	-	52.5	42.9	9.6
05:50 AM - 05:55 AM	52.6	45.9	6.7	1.0	-	54.6	43.1	11.5
05:55 AM - 06:00 AM	49.4	49.1	1.7	4.5	-	49.6	43.2	6.4
06:00 AM - 07:00 AM	51.1	44.0	7.1	1.0	50.1	-	42.8	7.3
07:00 AM - 08:00 AM	53.3	45.4	7.9	0.5	52.8	-	43.1	9.7
08:00 AM - 09:00 AM	59.1	46.3	12.8	0.0	59.1	-	42.0	17.1
09:00 AM - 10:00 AM	59.7	44.7	15.3	0.0	59.7	-	42.3	17.2
10:00 AM - 11:00 AM	59.8	44.3	15.5	0.0	59.8	-	41.7	18.1

ค่ามาตรฐาน

Reference Method :

1. ISO 1996-1

2. ประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

มาตรฐาน

1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

2. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนระดับเสียงที่เกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

ระดับเสียงตามเกณฑ์มาตรฐานการตรวจวัด 15-16 นาทีตามข้อ 2566

ระดับเสียงที่ตรวจวัดและระดับเสียงขณะไม่มีการรบกวน (Sample No.2292538-1 วัดครั้งที่ 31 จำนวน 2565-01 มกราคม 2566)

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Approved by

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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 : 4500022918  
Project Name : Monitoring  
Project Location :



TESTING  
No.0042

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580646-1

Sample No. 2314125-3  
Parameter เลื่อนรบกวน  
Location ตำบลไผ่ล้อม/โครงการ (GPS 47P 0727094, 1432212)  
Measurement Date Feb 16 - 17, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00734223

เวลา	เสียงจากแหล่งกำเนิด	ระดับเสียง (dB(A))		ส่วนเกิน	ปรับค่าเสียงจากแหล่งกำเนิด	เสียงที่ทราบ	การคำนวณการรบกวน	
		เสียงขณะไม่มีการรบกวน	ผลค่าการรบกวน					
12:25 AM - 12:30 AM	50.1	46.0	4.1	2.0	-	51.1	44.6	6.3
12:30 AM - 12:35 AM	51.3	45.9	5.4	1.5	-	52.8	44.6	8.2
12:35 AM - 12:40 AM	51.3	45.5	5.8	1.5	-	52.9	44.6	8.8
12:40 AM - 12:45 AM	50.9	46.3	4.6	1.5	-	52.4	44.6	7.8
12:45 AM - 12:50 AM	49.9	45.8	4.1	2.0	-	50.9	44.2	6.7
12:50 AM - 12:55 AM	51.5	45.0	6.5	1.0	-	53.5	43.4	10.1
12:55 AM - 01:00 AM	54.6	45.5	9.1	0.5	-	55.2	43.2	13.9
01:00 AM - 01:05 AM	51.2	47.5	3.7	2.0	-	52.2	42.9	9.3
01:05 AM - 01:10 AM	51.1	43.7	7.4	1.0	-	53.1	42.9	10.2
01:10 AM - 01:15 AM	51.7	44.0	7.7	0.5	-	54.2	43.0	11.2
01:15 AM - 01:20 AM	51.4	45.5	5.9	1.5	-	52.9	43.3	9.6
01:20 AM - 01:25 AM	50.3	45.8	4.5	1.5	-	51.8	44.6	7.2
01:25 AM - 01:30 AM	49.7	45.9	3.8	2.0	-	50.7	44.6	6.1
01:30 AM - 01:35 AM	49.6	46.1	3.5	2.0	-	50.6	44.2	6.4
01:35 AM - 01:40 AM	49.4	46.2	3.2	3.0	-	49.3	44.5	4.9
01:40 AM - 01:45 AM	49.4	46.3	3.6	2.0	-	50.9	44.5	6.4
01:45 AM - 01:50 AM	48.8	46.0	2.8	3.0	-	48.8	44.3	4.5
01:50 AM - 01:55 AM	48.1	45.9	3.2	3.0	-	49.1	43.8	5.3
01:55 AM - 02:00 AM	48.9	46.8	2.1	4.5	-	47.4	44.3	2.9
02:00 AM - 02:05 AM	48.7	45.7	3.0	3.0	-	48.7	44.2	4.5
02:05 AM - 02:10 AM	48.4	45.8	2.6	3.0	-	48.4	44.1	4.3
02:10 AM - 02:15 AM	48.4	46.2	2.2	4.5	-	46.9	44.1	2.8
02:15 AM - 02:20 AM	48.8	4.6	2.6	3.0	-	48.8	44.4	4.4
02:20 AM - 02:25 AM	49.0	45.9	3.1	3.0	-	49.0	44.1	4.9
02:25 AM - 02:30 AM	50.0	46.1	3.9	2.0	-	51.0	44.5	6.5
02:30 AM - 02:35 AM	49.9	46.0	3.9	2.0	-	50.9	44.2	6.7
02:35 AM - 02:40 AM	49.4	45.9	4.5	1.5	-	50.4	43.5	7.8
02:40 AM - 02:45 AM	49.5	46.0	3.6	2.0	-	50.5	43.9	6.6
02:45 AM - 02:50 AM	49.8	46.0	3.8	2.0	-	50.8	43.8	7.0
02:50 AM - 02:55 AM	49.4	47.7	1.7	4.5	-	47.9	44.5	3.4
02:55 AM - 03:00 AM	49.2	46.1	3.1	3.0	-	49.2	43.6	5.6
03:00 AM - 03:05 AM	49.3	46.0	3.3	3.0	-	49.3	44.0	5.3
03:05 AM - 03:10 AM	49.0	46.2	2.8	3.0	-	49.0	44.1	4.9
03:10 AM - 03:15 AM	48.9	45.4	3.5	2.0	-	49.9	43.4	6.5
03:15 AM - 03:20 AM	48.6	45.6	4.0	2.0	-	50.6	43.6	7.0
03:20 AM - 03:25 AM	50.0	44.1	5.9	1.5	-	53.9	43.8	8.5
03:25 AM - 03:30 AM	49.1	43.8	5.3	1.5	-	50.6	42.9	7.7
03:30 AM - 03:35 AM	49.8	44.1	5.7	1.5	-	51.3	43.0	8.3
03:35 AM - 03:40 AM	49.2	43.8	5.4	1.5	-	50.7	43.0	7.7
03:40 AM - 03:45 AM	49.4	43.8	5.6	1.5	-	50.9	43.0	7.9



## 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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580647-1

TESTING  
No.0042

Page 3 of 3

Sample No. 2314125-3  
Parameter เลื่อนรถขน  
Location ตำบลไผ่ล้อมไทรภัก (GPS 47P 0727094, 1432212)  
Measurement Date Feb 16 - 17, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00734223

เวลา	ระดับเสียง (dB(A))					เปรียบเทียบเสียงจากแหล่งกำเนิด	เสียงที่ทราบ	ค่าระดับการประเมิน	
	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขนถ่าย	ผลต่างระดับเสียง	ค่าปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด				
					ค่าจริง				ค่าปรับ
03:45 - 03:50 AM	49.5	43.2	6.3	1.5	-	51.0	42.3	8.7	
03:50 - 03:55 AM	50.4	43.2	7.2	1.0	-	52.4	42.5	9.9	
03:55 - 04:00 AM	50.8	45.7	5.1	1.5	-	52.3	42.8	9.5	
04:00 - 04:05 AM	49.1	43.0	6.1	1.5	-	50.6	42.2	8.4	
04:05 - 04:10 AM	49.1	43.1	6.0	1.5	-	50.6	42.3	8.3	
04:10 - 04:15 AM	48.6	43.0	5.6	1.5	-	50.1	42.0	7.9	
04:15 - 04:20 AM	48.3	42.8	5.5	1.5	-	49.8	41.9	7.9	
04:20 - 04:25 AM	49.0	42.8	6.2	1.5	-	50.5	42.0	8.5	
04:25 - 04:30 AM	49.5	43.4	6.1	1.5	-	51.0	42.7	8.3	
04:30 - 04:35 AM	50.6	43.5	7.1	1.0	-	52.6	42.7	9.8	
04:35 - 04:40 AM	50.0	43.4	6.6	1.0	-	52.0	42.7	9.3	
04:40 - 04:45 AM	49.3	43.3	6.0	1.5	-	50.8	42.7	8.1	
04:45 - 04:50 AM	49.3	43.3	6.0	1.5	-	50.8	42.4	8.4	
04:50 - 04:55 AM	49.3	43.3	6.0	1.5	-	50.8	42.6	8.2	
04:55 - 05:00 AM	50.1	43.6	6.5	1.0	-	52.1	42.6	9.5	
05:00 - 05:05 AM	50.7	46.6	4.1	2.0	-	51.7	42.4	9.3	
05:05 - 05:10 AM	49.3	43.0	6.3	1.0	-	51.8	42.3	9.5	
05:10 - 05:15 AM	49.3	43.2	6.1	1.5	-	50.8	42.3	8.5	
05:15 - 05:20 AM	48.7	43.1	5.6	1.5	-	50.2	42.4	7.8	
05:20 - 05:25 AM	48.3	43.5	4.8	1.5	-	49.8	42.6	7.2	
05:25 - 05:30 AM	51.5	46.0	5.5	1.5	-	53.0	42.8	10.2	
05:30 - 05:35 AM	51.5	44.9	6.6	1.0	-	53.5	42.7	10.8	
05:35 - 05:40 AM	51.1	43.4	7.7	0.5	-	53.6	42.6	11.0	
05:40 - 05:45 AM	50.3	43.2	7.1	1.0	-	52.3	42.5	9.8	
05:45 - 05:50 AM	50.8	43.8	7.0	1.0	-	52.8	42.9	9.9	
05:50 - 05:55 AM	49.9	45.9	4.0	2.0	-	50.9	43.1	7.8	
05:55 - 06:00 AM	49.5	49.4	0.1	7.0	-	45.5	43.2	2.3	
06:00 - 07:00 AM	50.5	44.0	6.5	1.0	49.5	-	42.8	6.7	
07:00 - 08:00 AM	53.6	45.4	8.2	1.0	53.6	-	43.1	10.5	
08:00 - 09:00 AM	52.9	46.3	6.6	1.0	51.9	-	42.0	9.9	
09:00 - 10:00 AM	51.7	44.4	7.3	1.0	50.7	-	42.0	8.7	
10:00 - 11:00 AM	48.8	44.3	4.5	1.5	47.3	-	41.7	5.6	

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 กำหนดค่ามาตรฐานเสียงรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561  
ระดับเสียงตามเกณฑ์ค่ามาตรฐานระดับเสียงรบกวน 16-17 ชั่วโมงปี 2566  
ระดับเสียงตามเกณฑ์ค่ามาตรฐานระดับเสียงรบกวน (Sample No.2292538-1) ชนิดตรวจวัด 31 ชั่วโมงปี 2565-01 มกราคม 2566

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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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580647-1

TESTING  
No.0042

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Sample No. 2314125-4  
Parameter เลื่อนรถขน  
Location ตำบลไผ่ล้อมไทรภัก (GPS 47P 0727094, 1432212)  
Measurement Date Feb 17 - 18, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00734223

ค่าประเมินเสียง (dB(A))								
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขน	ผลต่างระดับเสียง	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าประเมินการขน	
				ค่าปรับ	ค่าเฉลี่ย			
11:00 AM - 12:00 PM	43	43.6	2.7	3.0	43.3	41.2	2.1	
12:00 PM - 01:00 PM	47.4	43.2	4.2	2.0	45.4	40.3	5.1	
01:00 PM - 02:00 PM	50.6	42.6	8.0	0.5	50.1	40.4	9.7	
02:00 PM - 03:00 PM	49.9	45.2	4.7	1.5	48.4	40.9	7.5	
03:00 PM - 04:00 PM	47.3	45.7	1.6	4.5	42.8	41.6	1.2	
04:00 PM - 05:00 PM	47.4	45.3	2.1	4.5	42.9	42.8	0.1	
05:00 PM - 06:00 PM	48.9	45.6	3.3	3.0	45.9	43.1	2.8	
06:00 PM - 07:00 PM	48.2	49.1	-0.9	7.0	41.2	46.3	-5.1	
07:00 PM - 08:00 PM	51.3	48.9	2.4	4.5	46.8	46.8	0.0	
08:00 PM - 09:00 PM	50.2	47.5	2.7	3.0	47.2	44.5	2.0	
09:00 PM - 10:00 PM	50.5	46.1	4.4	2.0	48.5	44.5	4.0	
10:00 PM - 10:05 PM	51.0	45.3	5.7	1.5	-	52.5	44.4	8.1
10:05 PM - 10:10 PM	49.6	45.3	4.3	2.0	-	50.6	44.5	6.1
10:10 PM - 10:15 PM	48.6	45.6	3.0	3.0	-	49.0	44.8	3.8
10:15 PM - 10:20 PM	51.2	45.2	6.0	1.5	-	52.7	44.3	8.4
10:20 PM - 10:25 PM	47.6	46.5	1.1	7.0	-	43.6	44.9	-1.3
10:25 PM - 10:30 PM	48.4	45.6	2.8	3.0	-	48.4	44.7	3.7
10:30 PM - 10:35 PM	49.4	45.7	3.7	2.0	-	50.6	44.8	5.8
10:35 PM - 10:40 PM	49.6	45.6	4.0	2.0	-	49.6	44.7	5.9
10:40 PM - 10:45 PM	49.7	45.6	4.1	2.0	-	50.7	44.5	6.2
10:45 PM - 10:50 PM	49.8	46.1	3.7	2.0	-	50.8	44.9	5.9
10:50 PM - 10:55 PM	48.2	45.8	2.4	4.5	-	46.7	44.8	1.9
10:55 PM - 11:00 PM	47.7	45.6	2.1	4.5	-	46.2	44.4	1.8
11:00 PM - 11:05 PM	50.4	46.1	4.3	2.0	-	51.4	44.7	6.7
11:05 PM - 11:10 PM	51.5	46.9	4.6	1.5	-	53.0	44.3	8.7
11:10 PM - 11:15 PM	48.4	45.2	3.2	3.0	-	48.4	44.0	4.4
11:15 PM - 11:20 PM	47.9	45.0	2.9	3.0	-	47.9	43.9	4.1
11:20 PM - 11:25 PM	48.0	44.7	3.3	3.0	-	48.0	43.8	4.2
11:25 PM - 11:30 PM	48.5	45.2	3.3	3.0	-	48.5	43.9	4.6
11:30 PM - 11:35 PM	49.2	44.9	4.3	2.0	-	50.2	43.5	6.7
11:35 PM - 11:40 PM	47.8	46.0	1.8	4.5	-	46.0	44.0	2.0
11:40 PM - 11:45 PM	48.0	45.9	2.1	4.5	-	46.5	44.4	2.1
11:45 PM - 11:50 PM	47.6	46.6	1.0	7.0	-	43.6	44.9	-1.3
11:50 PM - 11:55 PM	48.2	46.5	1.7	4.5	-	46.7	44.9	1.8
11:55 PM - 12:00 AM	49.2	48.1	1.1	7.0	-	45.2	44.7	0.5
12:00 AM - 12:05 AM	48.5	53.6	-5.1	7.0	-	44.5	46.0	-1.5
12:05 AM - 12:10 AM	48.0	46.8	1.2	7.0	-	44.0	45.1	-1.1
12:10 AM - 12:15 AM	48.1	46.2	1.9	4.5	-	46.6	44.6	2.0
12:15 AM - 12:20 AM	49.1	46.7	2.4	3.0	-	49.1	44.7	4.4
12:20 AM - 12:25 AM	50.1	45.5	4.6	1.5	-	51.5	44.5	7.0

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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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580647-1

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No.0042

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Sample No. 2314125-4  
Parameter เลื่อนรถขน  
Location ตำบลไผ่ล้อมไทรภัก (GPS 47P 0727094, 1432212)  
Measurement Date Feb 17 - 18, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00734223

เวลา	ระดับเสียง (dB(A))				เปรียบเทียบเสียงจากแหล่งกำเนิด		เสียงที่ชุมชน	
	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขนถ่ายสินค้า	ผลต่างค่าเสียง	ตัวแปรค่า	การคำนวณ		การคำนวณ	
					ค่าเสียง	ค่าเสียง		
12:25 AM - 12:30 AM	50.9	46.0	4.9	1.5	-	52.4	44.8	7.6
12:30 AM - 12:35 AM	48.3	45.5	2.8	4.5	-	46.8	44.6	2.2
12:35 AM - 12:40 AM	47.6	45.5	2.1	4.5	-	46.1	44.0	2.1
12:40 AM - 12:45 AM	46.9	46.3	0.6	7.0	-	42.9	44.6	-1.7
12:45 AM - 12:50 AM	48.0	45.8	2.2	4.5	-	46.5	44.2	2.3
12:50 AM - 12:55 AM	48.0	45.0	3.0	3.0	-	48.0	43.4	4.6
12:55 AM - 01:00 AM	48.7	45.5	3.2	3.0	-	48.7	43.4	5.3
01:00 AM - 01:05 AM	51.1	47.5	3.6	2.0	-	52.1	42.9	9.2
01:05 AM - 01:10 AM	49.1	43.7	5.4	1.5	-	50.6	42.9	7.7
01:10 AM - 01:15 AM	48.6	44.0	4.6	1.5	-	50.1	43.0	7.1
01:15 AM - 01:20 AM	50.2	45.5	4.7	1.5	-	51.7	43.3	8.4
01:20 AM - 01:25 AM	48.8	45.8	3.0	3.0	-	48.8	44.6	4.2
01:25 AM - 01:30 AM	47.4	45.9	1.5	4.5	-	45.9	44.6	1.3
01:30 AM - 01:35 AM	47.7	46.1	1.6	4.5	-	46.2	44.2	2.0
01:35 AM - 01:40 AM	46.4	46.2	0.2	7.0	-	42.4	44.5	-2.1
01:40 AM - 01:45 AM	46.2	46.3	-0.1	7.0	-	42.2	44.5	-2.3
01:45 AM - 01:50 AM	46.7	46.0	0.7	7.0	-	42.7	44.3	-1.6
01:50 AM - 01:55 AM	47.4	45.9	1.5	4.5	-	45.9	43.8	2.1
01:55 AM - 02:00 AM	48.2	46.6	1.6	4.5	-	46.5	44.5	2.0
02:00 AM - 02:05 AM	48.7	45.7	3.0	3.0	-	48.7	44.2	4.5
02:05 AM - 02:10 AM	49.6	45.8	3.8	2.0	-	50.6	44.1	6.5
02:10 AM - 02:15 AM	49.3	46.2	3.1	3.0	-	49.3	44.1	5.2
02:15 AM - 02:20 AM	49.4	46.2	3.2	3.0	-	49.4	44.4	5.0
02:20 AM - 02:25 AM	49.4	45.9	3.5	2.0	-	50.4	44.1	6.3
02:25 AM - 02:30 AM	49.2	46.1	3.1	3.0	-	49.2	44.5	4.7
02:30 AM - 02:35 AM	49.8	46.0	3.8	2.0	-	50.8	44.2	6.6
02:35 AM - 02:40 AM	49.2	45.9	3.3	3.0	-	49.2	44.1	5.1
02:40 AM - 02:45 AM	48.4	45.9	2.5	4.5	-	48.4	43.9	4.5
02:45 AM - 02:50 AM	48.4	46.0	2.4	4.5	-	46.9	43.8	3.1
02:50 AM - 02:55 AM	48.4	47.7	0.7	7.0	-	44.4	44.5	-0.1
02:55 AM - 03:00 AM	49.1	46.1	3.0	3.0	-	49.1	43.6	5.5
03:00 AM - 03:05 AM	48.6	46.0	2.6	3.0	-	48.6	44.4	4.2
03:05 AM - 03:10 AM	49.3	46.2	3.1	3.0	-	49.3	44.1	5.2
03:10 AM - 03:15 AM	49.8	45.4	4.4	2.0	-	50.8	43.4	7.4
03:15 AM - 03:20 AM	49.1	45.6	3.5	2.0	-	50.1	43.6	6.5
03:20 AM - 03:25 AM	49.2	44.1	5.1	1.5	-	50.0	43.3	6.7
03:25 AM - 03:30 AM	49.1	43.8	5.3	1.5	-	50.6	42.9	7.7
03:30 AM - 03:35 AM	50.5	44.1	6.4	1.5	-	52.0	43.0	9.0
03:35 AM - 03:40 AM	50.2	43.8	6.4	1.5	-	51.7	43.0	8.7
03:40 AM - 03:45 AM	49.2	43.4	5.8	1.5	-	50.0	42.4	7.6

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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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580647-1

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No.0042

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Sample No. 2314125-4  
Parameter เลื่อนรถขน  
Location ตำบลไผ่ล้อมไทรภัก (GPS 47P 0727094, 1432212)  
Measurement Date Feb 17 - 18, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00734223

Sound Level Meter		001747223		ระดับเสียง (dB(A))				
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขนถ่าย	ผลต่างระดับเสียง	ตัวแปรค่า	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงที่ฐานการขนถ่าย	
					ค่าจริง (K)	ค่าปรับ (K+2)		
03:45 AM - 03:50 AM	48.4	43.2	5.2	1.5	-	49.9	42.3	7.6
03:50 AM - 03:55 AM	49.6	43.2	6.4	1.5	-	51.1	42.5	8.6
03:55 AM - 04:00 AM	52.0	45.7	6.3	1.5	-	53.2	42.8	10.4
04:00 AM - 04:05 AM	52.5	43.0	9.5	0.5	-	55.0	42.2	12.8
04:05 AM - 04:10 AM	52.4	43.1	9.3	0.5	-	54.9	42.3	12.6
04:10 AM - 04:15 AM	50.2	43.0	7.2	1.0	-	52.2	42.2	10.0
04:15 AM - 04:20 AM	48.5	42.8	5.7	1.5	-	50.0	41.9	8.1
04:20 AM - 04:25 AM	48.2	42.8	5.4	1.5	-	49.7	42.0	7.7
04:25 AM - 04:30 AM	49.0	43.4	5.6	1.5	-	50.5	42.7	7.8
04:30 AM - 04:35 AM	47.3	43.5	3.8	2.0	-	48.3	42.8	5.5
04:35 AM - 04:40 AM	46.7	43.4	3.3	3.0	-	46.7	42.7	4.0
04:40 AM - 04:45 AM	46.4	43.3	3.1	3.0	-	46.4	42.7	3.7
04:45 AM - 04:50 AM	46.9	43.3	3.6	2.0	-	47.9	42.4	5.5
04:50 AM - 04:55 AM	48.4	43.1	5.3	1.5	-	49.2	42.6	7.5
04:55 AM - 05:00 AM	48.4	43.6	4.8	1.5	-	49.9	42.6	7.3
05:00 AM - 05:05 AM	48.8	46.6	2.2	4.5	-	47.3	42.4	4.9
05:05 AM - 05:10 AM	48.7	43.0	5.7	1.5	-	50.2	42.3	7.9
05:10 AM - 05:15 AM	48.4	43.2	5.2	1.5	-	49.9	42.3	7.6
05:15 AM - 05:20 AM	48.0	43.1	4.9	1.5	-	48.5	42.4	7.1
05:20 AM - 05:25 AM	47.7	43.5	4.2	2.0	-	48.7	42.6	6.1
05:25 AM - 05:30 AM	46.0	46.0	2.0	4.5	-	46.5	42.8	3.7
05:30 AM - 05:35 AM	47.6	44.0	3.6	2.0	-	48.6	42.7	4.9
05:35 AM - 05:40 AM	48.6	43.4	5.2	1.5	-	50.1	42.6	7.5
05:40 AM - 05:45 AM	48.2	43.2	5.0	1.5	-	49.7	42.5	7.2
05:45 AM - 05:50 AM	48.5	43.8	4.7	1.5	-	50.0	42.9	7.1
05:50 AM - 05:55 AM	49.5	45.5	1.6	4.5	-	48.1	43.1	2.9
05:55 AM - 06:00 AM	46.9	49.4	-2.5	7.0	-	42.9	43.2	-0.3
06:00 AM - 07:00 AM	51.1	44.0	7.1	10.0	50.1	-	42.8	7.3
07:00 AM - 08:00 AM	50.9	45.4	5.5	1.5	49.4	-	43.1	6.3
08:00 AM - 09:00 AM	46.3	4.0	2.0	2.0	48.3	-	42.0	6.3
09:00 AM - 10:00 AM	49.8	44.4	5.4	1.5	48.3	-	42.0	6.3
10:00 AM - 11:00 AM	49.2	44.3	4.9	1.5	47.7	-	41.7	6.0





## Analysis / Test Report

Client : UACI (Thailand) Co., Ltd.  
7/352 Moo 6, Amata City Industrial Estate, T. Mabangporm, A. Pluakdaeng, Rayong  
Thailand 21140  
P/O : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580648-1

Sample No. 2314125-5  
Parameter เสียงรบกวน  
Location ตำบลโคกสีทอง/โครงการ (GPS 47P 0727094, 1432212)  
Measurement Date Feb 18 - 19, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00734223

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับการรบกวน
			ผลต่าง	ตัวปรับค่า	กลางวัน	กลางคืน		
11:00 AM - 12:00 PM	47.6	43.6	4.0	2.0	45.6	-	41.2	4.4
12:00 PM - 01:00 PM	46.7	43.2	3.5	2.0	44.7	-	40.3	4.4
01:00 PM - 02:00 PM	51.9	42.6	9.3	0.5	51.4	-	40.4	11.0
02:00 PM - 03:00 PM	56.0	45.2	10.8	0.5	55.5	-	40.9	15.6
03:00 PM - 04:00 PM	51.8	45.6	6.2	1.5	50.3	-	41.6	8.7
04:00 PM - 05:00 PM	49.4	45.3	4.1	2.0	47.4	-	42.8	4.6
05:00 PM - 06:00 PM	52.5	45.6	6.9	1.0	51.5	-	43.1	8.4
06:00 PM - 07:00 PM	48.6	49.1	-0.5	7.0	41.6	-	46.3	-4.7
07:00 PM - 08:00 PM	50.6	48.9	1.7	4.5	46.1	-	46.8	-0.7
08:00 PM - 09:00 PM	49.1	47.5	1.6	4.5	44.6	-	45.2	-0.6
09:00 PM - 10:00 PM	50.4	46.1	4.3	2.0	48.4	-	44.5	3.9
10:00 PM - 10:55 PM	49.9	45.3	4.6	1.5	-	51.4	44.4	7.0
10:55 PM - 11:00 PM	50.8	45.3	5.5	1.5	-	52.3	44.5	7.8
11:00 PM - 11:05 PM	51.5	45.6	5.9	1.5	-	53.0	44.8	8.2
11:05 PM - 11:10 PM	51.1	45.2	5.9	1.5	-	52.6	44.3	8.3
11:10 PM - 11:15 PM	50.3	45.5	4.8	2.0	-	51.3	44.9	6.4
11:15 PM - 11:20 PM	50.2	45.6	4.6	1.5	-	51.7	44.7	7.0
11:20 PM - 11:25 PM	50.4	45.7	4.7	1.5	-	51.9	44.8	7.1
11:25 PM - 11:30 PM	49.6	45.6	4.0	2.0	-	50.6	44.7	5.9
11:30 PM - 11:35 PM	49.9	45.6	4.3	2.0	-	50.9	44.5	6.4
11:35 PM - 11:40 PM	49.7	46.1	3.6	2.0	-	50.7	44.9	5.8
11:40 PM - 11:45 PM	49.5	45.8	3.7	2.0	-	50.5	44.8	5.7
11:45 PM - 11:50 PM	50.1	45.6	4.5	1.5	-	51.6	44.4	7.2
11:50 PM - 11:55 PM	50.3	46.1	4.2	2.0	-	51.3	44.9	6.4
11:55 PM - 12:00 PM	49.9	46.9	3.0	3.0	-	49.9	44.3	5.6
12:00 PM - 12:05 PM	50.1	45.2	4.9	1.5	-	51.6	44.0	7.6
12:05 PM - 12:10 PM	49.6	45.0	4.6	1.5	-	51.1	43.8	7.3
12:10 PM - 12:15 PM	49.4	45.7	3.7	2.0	-	50.8	43.8	7.1
12:15 PM - 12:20 PM	51.8	45.2	6.6	1.0	-	53.8	43.9	9.9
12:20 PM - 12:25 PM	49.4	44.9	4.5	1.5	-	50.9	43.5	7.4
12:25 PM - 12:30 PM	49.4	46.0	3.4	3.0	-	49.4	44.0	5.4
12:30 PM - 12:35 PM	51.7	45.8	5.9	1.0	-	53.2	44.4	8.8
12:35 PM - 12:40 PM	50.2	46.6	3.6	2.0	-	51.2	44.9	6.3
12:40 PM - 12:45 PM	50.1	46.5	3.6	2.0	-	51.1	44.9	6.2
12:45 PM - 12:50 AM	49.3	48.1	1.2	7.0	-	45.3	44.7	0.6
12:50 AM - 12:55 AM	49.1	53.6	-4.5	7.0	-	45.1	46.0	-0.9
12:55 AM - 1:00 AM	50.0	46.8	3.2	3.0	-	50.0	45.1	4.9
1:00 AM - 1:05 AM	50.0	46.2	3.8	2.0	-	51.0	44.6	6.4
1:05 AM - 1:10 AM	50.6	45.7	4.9	1.5	-	52.1	44.7	7.4
1:10 AM - 1:15 AM	53.1	45.5	7.6	0.5	-	55.6	44.5	11.1

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## Analysis / Test Report

Client : UACI (Thailand) Co., Ltd.  
7/352 Moo 6, Amata City Industrial Estate, T. Mabangporm, A. Pluakdaeng, Rayong  
Thailand 21140  
P/O : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580648-1

Sample No. 2314125-5  
Parameter เสียงรบกวน  
Location ตำบลโคกสีทอง/โครงการ (GPS 47P 0727094, 1432212)  
Measurement Date Feb 18 - 19, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00734223

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับการรบกวน
			ผลต่าง	ตัวปรับค่า	กลางวัน	กลางคืน		
03:45 AM - 03:50 AM	49.0	43.2	5.8	1.5	-	50.5	42.3	8.2
03:50 AM - 03:55 AM	49.3	43.2	6.1	1.5	-	50.8	42.5	8.3
03:55 AM - 04:00 AM	49.8	45.7	4.1	2.0	-	50.8	42.8	8.0
04:00 AM - 04:05 AM	50.3	43.0	7.3	1.0	-	52.3	42.2	10.1
04:05 AM - 04:10 AM	49.1	43.1	6.0	1.5	-	50.6	42.3	8.3
04:10 AM - 04:15 AM	50.5	43.0	7.5	0.5	-	53.0	42.2	10.8
04:15 AM - 04:20 AM	50.2	42.8	7.4	1.0	-	52.2	41.9	10.3
04:20 AM - 04:25 AM	48.7	42.8	5.9	1.5	-	52.4	42.0	8.2
04:25 AM - 04:30 AM	50.4	43.4	7.0	1.0	-	52.4	42.7	9.7
04:30 AM - 04:35 AM	50.4	43.5	6.9	1.0	-	52.4	42.8	9.6
04:35 AM - 04:40 AM	49.6	43.4	6.2	1.5	-	51.1	42.7	8.4
04:40 AM - 04:45 AM	49.0	43.3	5.7	1.5	-	50.5	42.7	7.8
04:45 AM - 04:50 AM	49.1	43.3	5.8	1.5	-	50.6	42.4	8.2
04:50 AM - 04:55 AM	50.6	43.3	7.3	1.0	-	52.6	42.6	10.0
04:55 AM - 05:00 AM	48.9	43.6	5.3	1.5	-	50.4	42.6	7.8
05:00 AM - 05:05 AM	48.7	46.6	2.1	4.5	-	47.2	42.4	4.8
05:05 AM - 05:10 AM	51.7	43.0	8.7	0.5	-	54.2	42.3	11.9
05:10 AM - 05:15 AM	50.8	43.1	7.7	0.5	-	53.3	42.4	10.9
05:15 AM - 05:20 AM	49.7	43.5	6.2	1.5	-	51.2	42.6	8.6
05:20 AM - 05:25 AM	49.4	46.0	3.4	3.0	-	49.4	42.8	6.6
05:25 AM - 05:30 AM	49.7	44.9	4.8	1.5	-	51.2	42.7	8.5
05:30 AM - 05:40 AM	51.2	43.4	7.8	0.5	-	53.7	42.6	11.1
05:40 AM - 05:45 AM	50.8	43.2	7.6	0.5	-	53.3	42.5	10.8
05:45 AM - 05:50 AM	51.3	43.8	7.5	0.5	-	53.8	42.9	10.9
05:50 AM - 05:55 AM	51.7	45.8	5.9	1.5	-	53.2	45.1	10.1
05:55 AM - 06:00 AM	50.6	49.4	1.2	7.0	-	46.6	43.2	3.4
06:00 AM - 07:00 AM	51.1	44.0	7.1	1.0	50.1	-	42.8	7.3
07:00 AM - 08:00 AM	50.9	45.4	5.5	1.5	49.4	-	42.0	8.9
08:00 AM - 09:00 AM	49.9	44.4	5.5	1.5	48.4	-	42.0	6.4
09:00 AM - 10:00 AM	49.9	44.4	5.5	1.5	48.4	-	41.7	2.5
10:00 AM - 11:00 AM	47.2	44.3	2.9	3.0	44.2	-	-	-

- Reference Method :  
1. ISO 1996-1  
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่ได้จากการประกาศใช้การโรงงาน พ.ศ. 2553  
มาตรฐาน  
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่ได้จากการประกาศใช้การโรงงาน พ.ศ. 2548  
2. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานเสียงที่ได้จากการประกาศใช้การโรงงานฉบับที่ 1 พ.ศ. 2561  
ระดับเสียงจากแหล่งกำเนิด วันที่ 18-19 กุมภาพันธ์ 2566  
ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2292538-1 วันที่ตรวจวัด 31 ธันวาคม 2565-01 มกราคม 2566)

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## Analysis / Test Report

Client : UACI (Thailand) Co., Ltd.  
7/352 Moo 6, Amata City Industrial Estate, T. Mabangporm, A. Pluakdaeng, Rayong  
Thailand 21140  
P/O : 4500022918  
Project Name : Monitoring  
Project Location :

Sample No. 2314125-5  
Parameter เสียงรบกวน  
Location ตำบลโคกสีทอง/โครงการ (GPS 47P 0727094, 1432212)  
Measurement Date Feb 18 - 19, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00734223

ค่าระดับเสียง (dB(A))								
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ผลต่างระดับเสียง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับการรบกวน
					กลางวัน	กลางคืน		
12:25 AM - 12:30 AM	53.6	46.0	7.6	0.5	-	56.1	44.8	11.3
12:30 AM - 12:35 AM	52.3	45.9	6.4	1.5	-	53.8	44.6	9.2
12:35 AM - 12:40 AM	50.4	45.5	4.9	1.5	-	51.9	44.0	7.9
12:40 AM - 12:45 AM	50.9	46.3	4.6	1.5	-	52.4	44.6	7.8
12:45 AM - 12:50 AM	51.4	45.8	5.6	1.5	-	52.9	44.2	8.7
12:50 AM - 12:55 AM	51.8	45.0	6.8	1.0	-	53.8	43.4	10.4
12:55 AM - 01:00 AM	51.5	45.5	6.0	1.5	-	53.0	43.2	9.8
01:00 AM - 01:05 AM	54.4	47.5	6.9	1.0	-	56.4	42.9	13.5
01:05 AM - 01:10 AM	52.2	43.7	8.5	0.5	-	54.7	42.9	11.8
01:10 AM - 01:15 AM	52.3	44.0	8.3	0.5	-	54.8	43.0	11.8
01:15 AM - 01:20 AM	51.3	45.5	5.8	1.5	-	52.8	43.3	9.5
01:20 AM - 01:25 AM	51.7	45.8	5.9	1.5	-	53.2	44.6	8.6
01:25 AM - 01:30 AM	51.3	45.9	5.4	1.5	-	52.8	44.6	8.2
01:30 AM - 01:35 AM	51.3	46.1	5.2	1.5	-	52.8	44.2	8.6
01:35 AM - 01:40 AM	50.1	46.2	3.9	2.0	-	51.1	44.5	6.6
01:40 AM - 01:45 AM	49.6	46.3	3.3	3.0	-	49.6	44.5	5.1
01:45 AM - 01:50 AM	49.5	46.0	3.5	2.0	-	50.5	44.3	6.2
01:50 AM - 01:55 AM	48.8	45.9	2.9	3.0	-	48.8	43.8	5.0
01:55 AM - 02:00 AM	49.5	46.6	2.9	3.0	-	49.5	44.5	5.0
02:00 AM - 02:05 AM	49.2	45.7	3.5	2.0	-	50.2	44.2	6.0
02:05 AM - 02:10 AM	50.4	45.8	4.6	1.5	-	51.9	44.1	7.8
02:10 AM - 02:15 AM	50.2	46.2	4.0	2.0	-	51.2	44.1	7.1
02:15 AM - 02:20 AM	49.3	46.2	3.1	3.0	-	49.3	44.4	4.9
02:20 AM - 02:25 AM	49.0	45.9	3.1	3.0	-	49.0	44.7	4.3
02:25 AM - 02:30 AM	47.9	46.1	1.8	4.5	-	46.4	44.5	1.9
02:30 AM - 02:35 AM	49.0	46.0	3.0	3.0	-	49.0	44.2	4.8
02:35 AM - 02:40 AM	50.0	45.9	4.1	2.0	-	51.0	44.1	6.9
02:40 AM - 02:45 AM	50.3	45.9	4.4	2.0	-	51.3	43.9	7.4
02:45 AM - 02:50 AM	50.1	46.0	4.1	2.0	-	51.1	43.8	7.3
02:50 AM - 02:55 AM	50.0	47.7	2.3	4.5	-	48.5	44.5	4.0
02:55 AM - 03:00 AM	51.8	46.1	5.7	1.5	-	53.2	43.6	9.7
03:00 AM - 03:05 AM	50.6	46.0	4.6	1.5	-	52.1	44.0	8.1
03:05 AM - 03:10 AM	51.5	46.2	5.3	1.5	-	53.0	44.1	8.9
03:10 AM - 03:15 AM	51.1	45.4	5.7	1.5	-	52.6	43.4	9.2
03:15 AM - 03:20 AM	51.6	45.6	6.0	1.5	-	53.1	43.6	9.5
03:20 AM - 03:25 AM	50.5	44.1	6.4	1.5	-	52.0	43.0	9.0
03:25 AM - 03:30 AM	49.9	43.8	6.1	1.5	-	51.4	42.9	8.5
03:30 AM - 03:35 AM	49.9	44.1	5.8	1.5	-	51.4	43.0	8.4
03:35 AM - 03:40 AM	49.9	51.1	43.8	1.5	-	51.0	43.0	7.4
03:40 AM - 03:45 AM	48.3	43.4	4.9	1.5	-	49.8	42.7	7.1



## 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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580649-1



TESTING  
No.0042

Page 2 of 3

Sample No. 2314125-6  
Parameter เลื่อนรถยก  
Location ตำบลไผ่ล้อมไทรภัก (GPS 47P 0727094, 1432212)  
Measurement Date Feb 19 - 20, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 007344223

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ค่าระดับเสียง (dB(A))		ปรับค่าเสียงจากแหล่งกำเนิดตามค่าปรับ	เสียงพื้นฐาน	ค่าระดับการรบกวน	
			ผลต่าง	ค่าปรับ				
12:25 AM - 12:30 AM	51.4	46.0	5.4	1.5	-	52.9	44.8	8.1
12:30 AM - 12:35 AM	50.3	45.9	4.4	2.0	-	51.3	44.6	6.7
12:35 AM - 12:40 AM	49.9	45.5	4.4	2.0	-	50.9	44.0	6.9
12:40 AM - 12:45 AM	49.7	46.3	3.4	3.0	-	49.7	44.6	5.1
12:45 AM - 12:50 AM	50.7	45.8	4.9	1.5	-	52.2	44.2	8.0
12:50 AM - 12:55 AM	49.9	45.0	4.9	1.5	-	51.4	43.4	8.0
12:55 AM - 01:00 AM	50.8	45.5	5.3	1.5	-	52.3	43.2	9.1
01:00 AM - 01:05 AM	51.7	47.5	4.2	2.0	-	52.7	42.9	9.8
01:05 AM - 01:10 AM	51.3	43.7	7.6	0.5	-	53.8	42.9	10.9
01:10 AM - 01:15 AM	50.7	44.0	6.7	1.0	-	52.7	43.0	9.7
01:15 AM - 01:20 AM	50.3	45.5	4.8	1.5	-	51.8	43.3	8.5
01:20 AM - 01:25 AM	50.0	45.8	4.2	2.0	-	51.0	44.6	6.4
01:25 AM - 01:30 AM	50.4	45.9	4.5	1.5	-	51.9	44.6	7.3
01:30 AM - 01:35 AM	50.2	46.1	4.1	2.0	-	51.2	44.2	7.0
01:35 AM - 01:40 AM	50.2	46.2	4.0	2.0	-	51.2	44.5	6.7
01:40 AM - 01:45 AM	50.0	46.3	3.7	2.0	-	51.0	44.5	6.5
01:45 AM - 01:50 AM	50.8	46.0	4.8	1.5	-	52.3	44.3	8.0
01:50 AM - 01:55 AM	49.9	45.9	4.0	2.0	-	50.9	43.8	7.1
01:55 AM - 02:00 AM	50.9	46.6	4.3	2.0	-	51.9	44.5	7.4
02:00 AM - 02:05 AM	50.9	45.7	5.2	1.5	-	52.4	44.2	8.2
02:05 AM - 02:10 AM	49.9	45.8	4.1	2.0	-	50.9	44.1	6.8
02:10 AM - 02:15 AM	50.2	46.2	4.0	2.0	-	51.2	44.1	7.1
02:15 AM - 02:20 AM	50.9	46.2	4.7	1.5	-	52.4	44.4	8.0
02:20 AM - 02:25 AM	51.4	45.9	5.5	1.5	-	52.9	44.1	8.8
02:25 AM - 02:30 AM	51.2	46.1	5.1	1.5	-	52.7	44.5	8.2
02:30 AM - 02:35 AM	50.2	46.0	4.2	2.0	-	51.2	44.2	7.0
02:35 AM - 02:40 AM	50.3	45.9	4.4	2.0	-	51.3	44.1	7.2
02:40 AM - 02:45 AM	50.8	45.9	4.9	1.5	-	52.3	43.9	8.4
02:45 AM - 02:50 AM	51.6	46.0	5.6	1.5	-	53.1	43.8	9.3
02:50 AM - 02:55 AM	51.8	47.7	4.1	2.0	-	52.8	44.5	8.3
02:55 AM - 03:00 AM	51.9	46.1	5.8	1.5	-	53.4	43.6	9.8
03:00 AM - 03:05 AM	51.3	46.0	5.3	2.0	-	52.6	44.0	8.8
03:05 AM - 03:10 AM	50.6	46.2	4.4	2.0	-	51.6	44.1	7.5
03:10 AM - 03:15 AM	49.9	45.4	4.5	1.5	-	51.4	43.4	8.0
03:15 AM - 03:20 AM	50.1	45.6	4.5	1.5	-	51.6	43.6	8.0
03:20 AM - 03:25 AM	49.6	44.1	5.5	1.5	-	51.1	43.0	8.1
03:25 AM - 03:30 AM	49.9	43.8	6.1	1.5	-	51.4	42.9	8.5
03:30 AM - 03:35 AM	49.4	44.1	5.3	1.5	-	50.9	43.0	7.9
03:35 AM - 03:40 AM	50.1	43.8	6.3	1.5	-	51.6	43.0	8.6
03:40 AM - 03:45 AM	50.7	43.4	7.3	1.0	-	52.7	42.7	10.0

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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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580650-1



TESTING  
No.0042

Page 1 of 3

Sample No. 2314125-7  
Parameter เลื่อนรถยก  
Location ตำบลไผ่ล้อมไทรภัก (GPS 47P 0727094, 1432212)  
Measurement Date Feb 20 - 21, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 007344223

เวลา	ระดับเสียง (dB(A))					ปรับค่าเสียงจากแหล่งกำเนิด	เสียงพื้นฐาน	ค่าระดับการรบกวน
	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ผลต่าง	ค่าปรับ	ค่าปรับ			
11:00 AM - 12:00 PM	47.4	43.6	3.8	2.0	45.4	-	41.2	4.2
12:00 PM - 01:00 PM	51.1	43.2	7.9	0.5	50.6	-	40.3	10.3
01:00 PM - 02:00 PM	48.9	42.6	6.3	1.5	47.4	-	40.4	7.0
02:00 PM - 03:00 PM	49.8	45.2	4.6	1.5	48.3	-	40.9	7.4
03:00 PM - 04:00 PM	46.6	45.6	1.0	7.0	39.6	-	41.6	-2.0
04:00 PM - 05:00 PM	47.9	45.3	2.6	3.0	44.9	-	42.8	2.1
05:00 PM - 06:00 PM	46.3	45.6	0.7	7.0	39.3	-	43.1	-3.8
06:00 PM - 07:00 PM	47.6	47.1	-1.5	7.0	40.6	-	46.3	-5.7
07:00 PM - 08:00 PM	49.9	48.9	1.0	7.0	42.9	-	46.8	-3.9
08:00 PM - 09:00 PM	49.5	47.5	2.0	4.5	45.0	-	45.2	-0.2
09:00 PM - 10:00 PM	51.2	46.1	5.1	1.5	49.7	-	44.5	5.2
10:00 PM - 10:05 PM	51.2	45.3	5.9	1.5	-	52.7	44.4	8.3
10:05 PM - 10:10 PM	48.5	45.3	3.2	3.0	-	48.5	44.5	4.0
10:10 PM - 10:15 PM	50.8	45.6	5.2	1.5	-	52.3	44.8	7.5
10:15 PM - 10:20 PM	50.6	45.2	5.4	1.5	-	52.1	44.3	7.8
10:20 PM - 10:25 PM	50.3	46.5	3.8	2.0	-	51.3	44.9	6.4
10:25 PM - 10:30 PM	49.8	45.6	4.2	2.0	-	50.8	44.7	6.1
10:30 PM - 10:35 PM	49.9	45.7	4.2	2.0	-	50.9	44.8	6.1
10:35 PM - 10:40 PM	50.1	45.6	4.5	1.5	-	51.6	44.7	6.9
10:40 PM - 10:45 PM	50.1	45.6	4.5	1.5	-	51.6	44.5	7.1
10:45 PM - 10:50 PM	50.2	46.1	4.1	2.0	-	51.2	44.9	6.3
10:50 PM - 10:55 PM	49.6	45.8	3.8	2.0	-	50.6	44.8	5.8
10:55 PM - 11:00 PM	49.1	45.6	3.5	2.0	-	50.1	44.4	5.7
11:00 PM - 11:05 PM	49.1	46.1	3.0	3.0	-	49.1	44.7	4.4
11:05 PM - 11:10 PM	49.6	46.9	2.7	3.0	-	49.6	44.3	5.3
11:10 PM - 11:15 PM	50.1	45.2	4.9	1.5	-	51.6	44.0	7.6
11:15 PM - 11:20 PM	50.4	45.0	5.4	1.5	-	51.9	43.8	8.1
11:20 PM - 11:25 PM	50.4	45.7	4.7	1.5	-	51.9	43.8	8.1
11:25 PM - 11:30 PM	50.7	45.2	5.5	1.5	-	52.2	43.9	8.3
11:30 PM - 11:35 PM	50.7	44.9	5.8	1.5	-	52.2	43.5	8.7
11:35 PM - 11:40 PM	49.4	46.0	3.4	3.0	-	49.4	44.0	5.4
11:40 PM - 11:45 PM	49.9	45.9	4.0	2.0	-	50.9	44.4	6.5
11:45 PM - 11:50 PM	51.5	46.6	4.9	1.5	-	53.0	44.9	8.1
11:50 PM - 11:55 PM	51.5	46.5	5.0	1.5	-	53.0	44.9	8.1
11:55 PM - 12:00 AM	51.2	48.1	3.1	3.0	-	51.2	44.7	6.5
12:00 AM - 12:05 AM	49.2	53.6	-4.4	7.0	-	45.2	46.0	-0.8
12:05 AM - 12:10 AM	49.1	46.8	2.3	4.5	-	47.6	45.1	2.5
12:10 AM - 12:15 AM	49.0	46.2	2.8	3.0	-	49.0	44.6	4.4
12:15 AM - 12:20 AM	49.2	45.7	3.5	2.0	-	50.2	44.7	5.5
12:20 AM - 12:25 AM	49.8	45.5	4.3	2.0	-	50.8	44.5	6.3

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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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580649-1

Page 3 of 3

Sample No. 2314125-6  
Parameter เลื่อนรถยก  
Location ตำบลไผ่ล้อมไทรภัก (GPS 47P 0727094, 1432212)  
Measurement Date Feb 19 - 20, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 007344223

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับการรบกวน
			ผลต่าง	ตัวปรับค่า	ค่าปรับ	ค่าปรับ		
03:45 AM - 03:50 AM	50.2	43.2	7.0	1.0	-	52.2	42.3	9.9
03:50 AM - 03:55 AM	50.2	43.2	7.0	1.0	-	52.2	42.5	9.7
03:55 AM - 04:00 AM	49.6	45.7	3.9	2.0	-	50.6	42.8	7.8
04:00 AM - 04:05 AM	49.4	43.0	6.4	1.5	-	50.9	42.2	8.7
04:05 AM - 04:10 AM	50.1	43.1	7.0	1.0	-	52.1	42.3	9.8
04:10 AM - 04:15 AM	49.8	43.0	6.8	1.0	-	51.8	42.2	9.6
04:15 AM - 04:20 AM	50.2	42.8	7.4	1.0	-	52.2	41.9	10.3
04:20 AM - 04:25 AM	50.0	42.8	7.2	1.0	-	52.0	42.0	10.0
04:25 AM - 04:30 AM	51.0	43.4	7.6	0.5	-	53.5	42.7	10.8
04:30 AM - 04:35 AM	50.0	43.5	6.5	1.0	-	52.0	42.8	9.2
04:35 AM - 04:40 AM	49.3	43.4	5.9	1.5	-	50.8	42.7	8.1
04:40 AM - 04:45 AM	49.0	43.3	5.7	1.5	-	50.5	42.7	7.8
04:45 AM - 04:50 AM	49.1	43.3	5.8	1.5	-	50.6	42.4	8.2
04:50 AM - 04:55 AM	50.1	43.3	6.8	1.0	-	52.1	42.6	9.5
04:55 AM - 05:00 AM	49.4	43.6	5.8	1.5	-	50.9	42.6	8.3
05:00 AM - 05:05 AM	49.0	46.6	2.4	4.5	-	47.5	42.4	5.1
05:05 AM - 05:10 AM	49.3	43.0	6.3	1.5	-	50.6	42.3	8.5
05:10 AM - 05:15 AM	50.2	43.2	7.0	1.0	-	52.2	42.3	9.9
05:15 AM - 05:20 AM	50.0	43.1	6.9	1.0	-	52.0	42.4	9.6
05:20 AM - 05:25 AM	49.9	43.5	6.4	1.5	-	51.4	42.6	8.8
05:25 AM - 05:30 AM	51.1	46.0	5.1	1.5	-	52.6	42.8	9.8
05:30 AM - 05:35 AM	49.4	44.9	4.5	1.5	-	50.9	42.7	8.2
05:35 AM - 05:40 AM	49.1	43.4	5.7	1.5	-	50.6	42.6	8.0
05:40 AM - 05:45 AM	51.7	43.2	8.5	0.5	-	54.2	42.5	11.7
05:45 AM - 05:50 AM	50.6	43.8	6.8	1.0	-	52.6	42.9	9.7
05:50 AM - 05:55 AM	50.9	45.9	5.0	1.5	-	52.4	43.1	9.3
05:55 AM - 06:00 AM	49.9	49.4	0.5	7.0	-	49.9	43.2	2.7
06:00 AM - 07:00 AM	50.1	44.0	6.0	1.0	-	52.1	42.8	7.2
07:00 AM - 08:00 AM	52.1	45.4	7.7	1.0	51.1	-	43.1	8.0
08:00 AM - 09:00 AM	53.1	46.3	6.8	1.5	50.1	-	42.0	8.1
09:00 AM - 10:00 AM	51.0	44.4	6.6	1.0	50.0	-	42.0	8.0
10:00 AM - 11:00 AM	49.2	44.3	4.9	1.5	47.7	-	41.7	6.0





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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580650-1

Page 3 of 3

Sample No. 2314125-7  
Parameter เสียงรบกวน  
Location ตำบลท่าศาลา อ.เมือง จ.ระยอง (GPS 47P 0727094, 1432212)  
Measurement Date Feb 20 - 21, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00734223

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ผลต่าง	ตัวปรับค่า	ระดับเสียง (dB(A))		เสียงที่ปรับแล้ว	ค่าระดับการรบกวน
					ค่าจริง	ค่าปรับ		
03:45 AM - 03:50 AM	50.8	43.2	7.6	0.5	-	53.3	42.3	11.0
03:50 AM - 03:55 AM	50.4	43.2	7.2	1.0	-	52.4	42.5	9.9
03:55 AM - 04:00 AM	50.6	45.7	4.9	1.5	-	52.1	42.8	9.3
04:00 AM - 04:05 AM	50.1	43.0	7.1	1.0	-	52.1	42.2	9.9
04:05 AM - 04:10 AM	50.8	43.1	7.7	0.5	-	53.3	42.3	11.0
04:10 AM - 04:15 AM	50.8	43.0	7.8	0.5	-	53.3	42.2	11.1
04:15 AM - 04:20 AM	50.7	42.8	7.9	0.5	-	53.2	41.9	11.3
04:20 AM - 04:25 AM	50.5	42.8	7.7	0.5	-	53.0	42.0	11.0
04:25 AM - 04:30 AM	51.7	43.4	8.3	0.5	-	54.2	42.7	11.5
04:30 AM - 04:35 AM	49.5	43.5	6.0	1.5	-	51.0	42.8	8.2
04:35 AM - 04:40 AM	49.9	43.4	6.5	1.0	-	51.9	42.7	9.2
04:40 AM - 04:45 AM	49.9	43.3	6.6	1.0	-	51.9	42.7	9.2
04:45 AM - 04:50 AM	50.6	43.3	7.3	1.0	-	52.6	42.4	10.2
04:50 AM - 04:55 AM	50.8	43.3	7.5	0.5	-	53.3	42.6	10.7
04:55 AM - 05:00 AM	50.9	43.6	7.3	1.0	-	52.9	42.6	10.3
05:00 AM - 05:05 AM	51.1	46.6	4.5	1.5	-	52.6	42.4	10.2
05:05 AM - 05:10 AM	50.3	43.0	7.3	1.0	-	52.3	42.3	10.0
05:10 AM - 05:15 AM	50.7	43.2	7.5	0.5	-	53.2	42.3	10.9
05:15 AM - 05:20 AM	51.3	43.1	8.2	0.5	-	53.8	42.4	11.4
05:20 AM - 05:25 AM	50.9	43.5	7.4	1.0	-	52.9	42.6	10.3
05:25 AM - 05:30 AM	50.1	46.0	4.1	2.0	-	51.1	42.8	8.3
05:30 AM - 05:35 AM	49.8	44.9	4.9	1.5	-	51.3	42.7	8.6
05:35 AM - 05:40 AM	52.6	43.4	9.2	0.5	-	55.1	42.6	12.5
05:40 AM - 05:45 AM	50.7	43.2	7.5	0.5	-	53.2	42.5	10.7
05:45 AM - 05:50 AM	51.5	43.8	7.7	0.5	-	54.0	42.7	11.1
05:50 AM - 05:55 AM	53.4	45.9	7.5	0.5	-	55.9	43.1	12.8
05:55 AM - 06:00 AM	51.7	49.4	2.3	4.5	-	50.2	43.2	7.0
06:00 AM - 07:00 AM	53.0	44.0	9.0	0.5	52.5	-	42.8	8.7
07:00 AM - 08:00 AM	52.7	45.4	7.3	0.5	51.7	-	43.1	8.6
08:00 AM - 09:00 AM	50.5	46.3	4.2	2.0	48.5	-	42.0	6.5
09:00 AM - 10:00 AM	50.2	44.4	5.8	1.5	48.7	-	42.0	6.7
10:00 AM - 11:00 AM	54.6	44.3	10.3	0.5	54.1	-	41.7	12.4

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

หมายเหตุ :  
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่ามาตรฐานเสียงรบกวนเฉลี่ยที่เกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561  
2. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานเสียงรบกวนเฉลี่ยที่เกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561  
ระดับเสียงที่วัดได้และระดับเสียงขณะไม่มีการรบกวน (Sample No.2292538-1 รหัสตรวจวัด 31 ธันวาคม 2565-01 มกราคม 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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580651-1

Page 2 of 3

Sample No. 2314125-8  
Parameter เสียงรบกวน  
Location ตำบลท่าศาลา อ.เมือง จ.ระยอง (GPS 47P 0727793, 1433011)  
Measurement Date Feb 14 - 15, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 01122579

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ผลต่าง	ตัวปรับค่า	ระดับเสียง (dB(A))		เสียงที่ปรับแล้ว	ค่าระดับการรบกวน
					ค่าจริง	ค่าปรับ		
12:25 AM - 12:30 AM	51.2	47.6	3.6	2.0	-	52.2	45.5	6.7
12:30 AM - 12:35 AM	57.0	54.0	3.0	0.0	-	57.0	46.0	11.0
12:35 AM - 12:40 AM	53.2	51.3	1.9	4.5	-	51.7	45.7	6.0
12:40 AM - 12:45 AM	51.7	50.2	1.5	4.5	-	50.2	45.7	4.5
12:45 AM - 12:50 AM	51.7	50.2	1.5	4.5	-	47.7	45.7	2.0
12:50 AM - 12:55 AM	54.0	49.1	4.9	1.5	-	55.5	45.5	10.0
12:55 AM - 01:00 AM	54.0	55.1	-1.1	7.0	-	50.0	46.3	3.7
01:00 AM - 01:05 AM	52.8	48.8	4.0	2.0	-	53.8	46.0	7.8
01:05 AM - 01:10 AM	52.1	49.7	2.4	4.5	-	50.6	45.8	4.8
01:10 AM - 01:15 AM	52.5	51.4	1.1	7.0	-	48.5	46.6	1.9
01:15 AM - 01:20 AM	53.3	50.4	2.9	3.0	-	53.3	46.5	6.8
01:20 AM - 01:25 AM	53.4	49.3	4.1	2.0	-	54.4	46.0	8.4
01:25 AM - 01:30 AM	49.9	49.6	0.3	7.0	-	45.9	46.1	-0.2
01:30 AM - 01:35 AM	50.2	55.6	-5.4	7.0	-	46.2	46.1	0.1
01:35 AM - 01:40 AM	49.9	47.9	2.0	4.5	-	48.4	45.8	2.6
01:40 AM - 01:45 AM	49.0	50.0	-1.0	7.0	-	45.0	45.9	-0.9
01:45 AM - 01:50 AM	51.6	50.3	1.3	7.0	-	47.6	46.0	1.6
01:50 AM - 01:55 AM	49.2	48.1	1.1	7.0	-	45.2	45.6	-0.4
01:55 AM - 02:00 AM	51.5	49.2	2.3	4.5	-	50.0	45.6	4.4
02:00 AM - 02:05 AM	50.3	48.6	1.7	4.5	-	48.8	45.7	3.1
02:05 AM - 02:10 AM	51.8	49.1	2.7	3.0	-	51.8	45.7	6.1
02:10 AM - 02:15 AM	53.1	47.5	5.6	1.5	-	54.6	45.6	9.0
02:15 AM - 02:20 AM	49.0	48.8	0.2	7.0	-	45.0	45.3	-0.3
02:20 AM - 02:25 AM	50.3	50.8	-0.5	7.0	-	46.3	45.6	0.7
02:25 AM - 02:30 AM	49.2	49.3	-0.1	7.0	-	45.2	45.5	0.0
02:30 AM - 02:35 AM	54.3	47.2	7.1	1.0	-	56.3	45.5	10.8
02:35 AM - 02:40 AM	55.4	45.9	9.5	0.5	-	57.9	45.1	12.8
02:40 AM - 02:45 AM	50.9	50.1	0.8	7.0	-	46.9	46.1	0.8
02:45 AM - 02:50 AM	52.5	50.9	1.6	4.5	-	51.0	45.5	5.5
02:50 AM - 02:55 AM	51.3	61.2	-9.9	7.0	-	47.3	45.2	2.1
02:55 AM - 03:00 AM	50.5	48.6	1.9	4.5	-	49.0	45.2	3.8
03:00 AM - 03:05 AM	50.9	56.4	-5.5	7.0	-	46.9	45.7	1.2
03:05 AM - 03:10 AM	50.5	47.7	2.8	3.0	-	50.5	45.3	5.2
03:10 AM - 03:15 AM	50.8	48.9	1.9	4.5	-	49.3	45.9	3.4
03:15 AM - 03:20 AM	49.6	46.6	3.0	3.0	-	49.6	45.2	4.4
03:20 AM - 03:25 AM	51.9	52.6	-0.7	7.0	-	47.9	45.1	2.8
03:25 AM - 03:30 AM	53.7	49.1	4.6	1.5	-	55.2	45.0	10.2
03:30 AM - 03:35 AM	49.8	48.9	0.9	7.0	-	45.8	45.3	0.5
03:35 AM - 03:40 AM	50.1	48.9	1.2	7.0	-	46.1	44.8	1.3
03:40 AM - 03:45 AM	50.3	45.9	4.4	2.0	-	51.3	45.0	6.3

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Wilawan Borirak  
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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580651-1

Page 1 of 3

Sample No. 2314125-8  
Parameter เสียงรบกวน  
Location ตำบลท่าศาลา อ.เมือง จ.ระยอง (GPS 47P 0727793, 1433011)  
Measurement Date Feb 14 - 15, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 01122579

ระดับเสียง (dB(A))									
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ผลต่างระดับเสียง	ตัวปรับค่า	ปริมาณเสียงจากแหล่งกำเนิด		เสียงที่ปรับแล้ว	ค่าระดับการรบกวน	
					ค่าจริง	ค่าปรับ			
11:00 AM - 12:00 PM	60.0	56.2	3.8	2.0	-	-	51.0	7.0	
12:00 PM - 01:00 PM	58.6	54.2	4.4	2.0	56.6	-	48.9	7.7	
01:00 PM - 02:00 PM	59.9	55.1	4.8	1.5	58.4	-	50.2	8.2	
02:00 PM - 03:00 PM	59.9	56.4	3.5	2.0	57.9	-	51.1	6.8	
03:00 PM - 04:00 PM	59.2	57.7	1.5	4.5	54.7	-	51.2	3.5	
04:00 PM - 05:00 PM	61.1	56.6	4.5	1.5	59.6	-	51.4	8.2	
05:00 PM - 06:00 PM	61.7	57.5	4.2	2.0	59.7	-	52.0	7.7	
06:00 PM - 07:00 PM	60.1	55.4	4.7	1.5	58.6	-	48.6	10.0	
07:00 PM - 08:00 PM	61.5	57.3	4.2	2.0	59.5	-	49.3	10.2	
08:00 PM - 09:00 PM	61.8	57.0	4.8	1.5	60.3	-	50.6	9.7	
09:00 PM - 10:00 PM	55.7	55.3	0.4	7.0	48.7	-	46.6	2.1	
10:00 PM - 10:05 PM	54.1	51.9	2.2	4.5	-	52.6	46.1	6.5	
10:05 PM - 10:10 PM	54.3	53.6	0.7	7.0	-	50.3	47.0	3.3	
10:10 PM - 10:15 PM	55.3	49.9	5.4	1.5	-	56.8	46.2	10.6	
10:15 PM - 10:20 PM	52.4	51.7	0.7	7.0	-	48.4	46.4	2.0	
10:20 PM - 10:25 PM	58.8	52.2	6.6	1.0	-	60.8	46.1	14.7	
10:25 PM - 10:30 PM	53.8	48.6	5.2	1.5	-	55.3	45.9	9.4	
10:30 PM - 10:35 PM	54.9	47.4	7.5	0.5	-	57.4	45.8	11.6	
10:35 PM - 10:40 PM	54.4	48.9	5.5	1.5	-	55.9	46.1	9.8	
10:40 PM - 10:45 PM	52.4	49.5	2.9	3.0	-	52.4	46.0	6.4	
10:45 PM - 10:50 PM	54.1	49.2	4.9	1.5	-	55.6	46.0	9.6	
10:50 PM - 10:55 PM	58.7	51.5	7.2	1.0	-	60.7	46.1	14.6	
10:55 PM - 11:00 PM	55.7	53.0	2.7	7.0	-	49.7	46.1	3.6	
11:00 PM - 11:05 PM	51.7	51.3	0.4	7.0	-	47.7	45.8	1.9	
11:05 PM - 11:10 PM	53.6	49.3	4.3	2.0	-	54.6	45.7	8.9	
11:10 PM - 11:15 PM	51.8	52.8	-1.0	7.0	-	47.8	46.4	1.4	
11:15 PM - 11:20 PM	55.2	46.3	8.9	0.5	-	57.7	45.5	12.2	
11:20 PM - 11:25 PM	51.3	51.8	-0.5	7.0	-	47.1	46.1	1.2	
11:25 PM - 11:30 PM	57.3	49.9	7.4	1.0	-	59.3	46.2	13.1	
11:30 PM - 11:35 PM	50.3	49.8	0.5	7.0	-	46.3	45.8	0.5	
11:35 PM - 11:40 PM	56.1	49.0	7.1	1.0	-	58.1	46.1	12.0	
11:40 PM - 11:45 PM	51.5	49.1	2.4	4.5	-	50.0	45.9	4.1	
11:45 PM - 11:50 PM	49.9	54.0	-4.1	7.0	-	45.9	46.1	-0.2	
11:50 PM - 11:55 PM	50.9	49.1	1.8	4.5	-	49.4	46.0	3.4	
11:55 PM - 12:00 AM	55.3	59.4	-4.1	1.5	-	56.8	46.1	10.7	
12:00 AM - 12:05 AM	52.4	58.3	-5.9	7.0	-	48.4	48.1	0.3	
12:05 AM - 12:10 AM	51.9	56.3	-4.4	7.0	-	47.9	46.8	1.1	
12:10 AM - 12:15 AM	51.9	50.0	1.9	1.5	-	49.9	46.5	1.4	
12:15 AM - 12:20 AM	52.8	47.3	5.5	1.5	-	54.8	45.7	8.6	
12:20 AM - 12:25 AM	54.2	47.2	7.0	1.5	-	57.8	45.1	12.7	



## 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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125-9  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580652-1

Page 1 of 3

Sample No. 2314125-9  
Parameter เสียงรบกวน  
Location ตำบลบ้านใหม่คลองทรายทอง (GPS 47P 0727793, 1433011)  
Measurement Date Feb 15 - 16, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 01122579

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		ปรับค่าเสียงจากแหล่งกำเนิด	เสียงที่ฐาน	ค่าระดับการรบกวน
			ผลต่าง	ตัวปรับค่า	ค่าจริง	ค่าปรับ	
11:00 AM - 12:00 PM	61.2	56.2	5.0	1.5	59.7	-	51.0
12:00 PM - 01:00 PM	60.5	54.2	6.3	1.5	59.0	-	48.9
01:00 PM - 02:00 PM	60.5	55.1	5.4	1.5	59.0	-	50.2
02:00 PM - 03:00 PM	61.3	56.4	4.9	1.5	59.8	-	51.1
03:00 PM - 04:00 PM	60.7	57.7	3.0	3.0	57.7	-	51.2
04:00 PM - 05:00 PM	60.3	56.6	3.7	2.0	58.3	-	51.4
05:00 PM - 06:00 PM	62.7	57.5	5.2	1.5	61.2	-	52.0
06:00 PM - 07:00 PM	60.6	55.4	5.2	1.5	59.1	-	48.6
07:00 PM - 08:00 PM	62.9	57.3	5.6	1.5	61.4	-	49.3
08:00 PM - 09:00 PM	62.0	57.0	5.0	1.5	60.5	-	50.6
09:00 PM - 10:00 PM	57.5	55.3	2.2	4.5	53.0	-	46.6
10:00 PM - 10:05 PM	63.4	51.9	11.5	4.5	-	51.9	46.1
10:05 PM - 10:10 PM	59.3	53.6	5.7	1.5	-	60.8	47.0
10:10 PM - 10:15 PM	55.0	49.9	5.1	1.5	-	56.5	46.2
10:15 PM - 10:20 PM	53.9	51.7	2.2	4.5	-	52.4	46.4
10:20 PM - 10:25 PM	54.6	52.2	2.4	4.5	-	53.1	46.1
10:25 PM - 10:30 PM	53.8	48.6	5.2	1.5	-	55.3	45.9
10:30 PM - 10:35 PM	54.8	47.4	7.4	1.0	-	56.8	45.8
10:35 PM - 10:40 PM	52.1	46.9	5.2	3.0	-	52.1	46.1
10:40 PM - 10:45 PM	55.7	49.5	6.2	1.5	-	57.2	46.0
10:45 PM - 10:50 PM	51.5	49.2	2.3	4.5	-	50.0	46.0
10:50 PM - 10:55 PM	52.8	51.5	1.3	7.0	-	48.8	46.1
10:55 PM - 11:00 PM	52.7	53.0	-0.3	7.0	-	48.7	46.1
11:00 PM - 11:05 PM	57.0	51.3	5.7	1.5	-	58.5	45.6
11:05 PM - 11:10 PM	51.7	49.3	2.4	4.5	-	50.2	45.7
11:10 PM - 11:15 PM	53.6	52.8	0.8	7.0	-	49.6	46.4
11:15 PM - 11:20 PM	52.9	46.3	6.6	1.0	-	54.9	45.5
11:20 PM - 11:25 PM	51.0	51.8	-0.8	7.0	-	47.0	46.1
11:25 PM - 11:30 PM	51.8	49.9	1.9	4.5	-	50.3	46.2
11:30 PM - 11:35 PM	52.6	49.8	2.8	3.0	-	52.6	45.8
11:35 PM - 11:40 PM	58.3	49.0	9.3	0.5	-	60.8	46.1
11:40 PM - 11:45 PM	53.2	49.1	4.1	2.0	-	54.2	45.9
11:45 PM - 11:50 PM	52.9	54.0	-1.1	7.0	-	48.9	46.1
11:50 PM - 11:55 PM	53.8	49.1	4.7	1.5	-	55.3	46.0
11:55 PM - 12:00 AM	51.4	49.4	2.0	4.5	-	49.9	46.1
12:00 AM - 12:05 AM	54.4	58.3	-3.9	7.0	-	50.4	48.1
12:05 AM - 12:10 AM	51.6	56.3	-4.7	7.0	-	47.6	46.8
12:10 AM - 12:15 AM	52.3	50.9	1.4	7.0	-	48.3	46.5
12:15 AM - 12:20 AM	52.1	47.3	4.8	1.5	-	53.6	45.7
12:20 AM - 12:25 AM	50.6	47.2	3.4	3.0	-	50.6	45.5

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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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125-9  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580652-1

Page 3 of 3

Sample No. 2314125-9  
Parameter เสียงรบกวน  
Location ตำบลบ้านใหม่คลองทรายทอง (GPS 47P 0727793, 1433011)  
Measurement Date Feb 15 - 16, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 01122579

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		ปรับค่าเสียงจากแหล่งกำเนิด	เสียงที่ฐาน	ค่าระดับการรบกวน
			ผลต่าง	ตัวปรับค่า	ค่าจริง	ค่าปรับ	
03:45 AM - 03:50 AM	49.5	50.0	-0.5	7.0	-	45.5	45.1
03:50 AM - 03:55 AM	51.7	45.0	6.0	1.5	-	53.2	45.0
03:55 AM - 04:00 AM	54.3	50.8	3.5	2.0	-	55.3	45.6
04:00 AM - 04:05 AM	53.3	51.8	1.5	4.5	-	51.8	45.1
04:05 AM - 04:10 AM	51.6	46.5	5.1	1.5	-	53.1	45.0
04:10 AM - 04:15 AM	52.3	46.7	5.6	1.5	-	53.8	45.1
04:15 AM - 04:20 AM	56.1	53.9	2.2	4.5	-	54.6	45.4
04:20 AM - 04:25 AM	52.0	49.1	2.9	3.0	-	52.0	45.4
04:25 AM - 04:30 AM	50.6	47.5	3.1	3.0	-	50.6	45.2
04:30 AM - 04:35 AM	51.9	57.8	-5.9	7.0	-	47.9	45.3
04:35 AM - 04:40 AM	54.9	46.1	8.8	0.5	-	57.4	45.1
04:40 AM - 04:45 AM	52.9	51.4	1.5	4.5	-	51.4	45.3
04:45 AM - 04:50 AM	55.0	47.8	7.2	1.0	-	57.0	45.2
04:50 AM - 04:55 AM	53.7	46.8	6.9	1.0	-	55.7	45.1
04:55 AM - 05:00 AM	54.5	46.4	8.1	0.5	-	57.0	45.0
05:00 AM - 05:05 AM	56.6	52.6	4.0	2.0	-	57.6	45.5
05:05 AM - 05:10 AM	55.3	47.1	8.2	0.5	-	57.8	45.2
05:10 AM - 05:15 AM	62.8	48.6	14.2	0.0	-	65.8	45.2
05:15 AM - 05:20 AM	56.4	49.4	7.0	1.0	-	58.4	45.3
05:20 AM - 05:25 AM	58.0	51.5	6.5	1.0	-	60.0	45.7
05:25 AM - 05:30 AM	60.1	49.8	10.3	0.5	-	62.6	45.2
05:30 AM - 05:35 AM	56.0	54.1	1.9	4.5	-	54.5	45.8
05:35 AM - 05:40 AM	58.3	49.3	9.0	0.5	-	60.8	45.4
05:40 AM - 05:45 AM	60.6	48.6	12.0	0.5	-	63.1	45.8
05:45 AM - 05:50 AM	59.0	51.4	7.6	0.5	-	61.5	45.6
05:50 AM - 05:55 AM	56.0	51.8	4.2	2.0	-	57.0	46.2
05:55 AM - 06:00 AM	56.6	53.6	3.0	3.0	-	56.6	46.0
06:00 AM - 06:05 AM	63.0	54.8	8.2	0.5	62.5	-	47.9
06:05 AM - 06:10 AM	66.7	61.6	5.1	1.5	65.2	-	52.3
06:10 AM - 06:15 AM	63.7	60.3	3.4	3.0	60.7	-	54.3
06:15 AM - 06:20 AM	62.0	57.1	4.9	1.5	60.5	-	52.0
06:20 AM - 06:25 AM	61.8	58.2	3.6	2.0	59.8	-	51.2

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 กำหนดค่ามาตรฐานเสียงที่เกิดจากการประกอบกิจการโรงงานเป็นมาตรฐานสุขภาพ พ.ศ. 2561  
ระดับเสียงจากแหล่งกำเนิดที่วัดได้ 15-16 ชั่วโมง 2566  
ระดับเสียงที่ฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2292538-2 ที่วัดวันที่ 31 ธันวาคม 2565-01 มกราคม 2566)

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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. Mabangpore, A. Pluakdaeng, Rayong  
Thailand 21140  
P/O : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125-9  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580652-1

Page 2 of 3

Sample No. 2314125-9  
Parameter เสียงรบกวน  
Location ตำบลบ้านใหม่คลองทรายทอง (GPS 47P 0727793, 1433011)  
Measurement Date Feb 15 - 16, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 01122579

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		ปรับค่าเสียงจากแหล่งกำเนิด	เสียงที่ฐาน	ค่าระดับการรบกวน
			ผลต่าง	ตัวปรับค่า	ค่าจริง	ค่าปรับ	
12:25 AM - 12:30 AM	52.6	47.6	5.0	1.5	-	54.1	45.5
12:30 AM - 12:35 AM	53.2	54.0	-0.8	7.0	-	49.2	46.0
12:35 AM - 12:40 AM	54.3	51.3	3.0	3.0	-	54.3	45.7
12:40 AM - 12:45 AM	54.3	50.2	4.1	2.0	-	55.3	45.7
12:45 AM - 12:50 AM	52.3	54.3	-2.0	7.0	-	48.3	45.7
12:50 AM - 12:55 AM	51.2	49.1	2.1	4.5	-	49.7	45.5
12:55 AM - 01:00 AM	54.3	55.1	-0.8	7.0	-	50.3	46.3
01:00 AM - 01:05 AM	50.8	48.8	2.0	4.5	-	49.3	46.0
01:05 AM - 01:10 AM	51.2	49.7	1.5	4.5	-	49.7	45.8
01:10 AM - 01:15 AM	52.7	51.4	1.3	7.0	-	48.7	46.6
01:15 AM - 01:20 AM	51.7	50.4	1.3	7.0	-	47.7	46.5
01:20 AM - 01:25 AM	54.4	49.3	5.1	7.0	-	46.4	45.7
01:25 AM - 01:30 AM	55.5	49.6	5.9	1.5	-	57.0	46.1
01:30 AM - 01:35 AM	50.6	55.6	-5.0	7.0	-	46.6	46.1
01:35 AM - 01:40 AM	51.4	47.9	3.5	2.0	-	52.4	45.8
01:40 AM - 01:45 AM	50.0	50.0	0.0	7.0	-	46.0	45.9
01:45 AM - 01:50 AM	51.5	50.3	1.2	7.0	-	47.5	46.0
01:50 AM - 01:55 AM	51.8	48.1	3.7	2.0	-	52.8	45.6
01:55 AM - 02:00 AM	53.2	49.2	4.0	2.0	-	54.2	45.6
02:00 AM - 02:05 AM	55.7	48.6	7.1	1.0	-	57.7	45.7
02:05 AM - 02:10 AM	52.1	49.1	3.0	3.0	-	52.1	45.7
02:10 AM - 02:15 AM	51.9	47.5	4.4	2.0	-	52.9	45.6
02:15 AM - 02:20 AM	53.7	48.8	4.9	1.5	-	55.2	45.3
02:20 AM - 02:25 AM	54.3	50.8	3.5	2.0	-	55.3	45.7
02:25 AM - 02:30 AM	50.5	49.3	1.2	7.0	-	46.5	45.2
02:30 AM - 02:35 AM	50.7	47.2	3.5	2.0	-	51.7	45.5
02:35 AM - 02:40 AM	52.6	45.9	6.7	1.0	-	54.6	45.1
02:40 AM - 02:45 AM	51.0	50.4	0.6	7.0	-	47.0	45.1
02:45 AM - 02:50 AM	55.9	50.9	5.0	1.5	-	57.4	45.1
02:50 AM - 02:55 AM	57.0	61.2	-4.2	7.0	-	53.0	45.2
02:55 AM - 03:00 AM	50.8	48.6	2.2	4.5	-	49.3	45.2
03:00 AM - 03:05 AM	51.1	55.4	-4.3	7.0	-	47.1	45.3
03:05 AM - 03:10 AM	52.9	47.7	5.2	1.5	-	54.4	45.3
03:10 AM - 03:15 AM	51.1	48.9	2.2	4.5	-	49.6	45.9
03:15 AM - 03:20 AM	53.5	46.6	6.9	1.0	-	55.5	45.2
03:20 AM - 03:25 AM	50.9	52.6	-1.7	7.0	-	46.9	45.1
03:25 AM - 03:30 AM	50.8	49.1	1.7	4.5	-	49.3	45.0
03:30 AM - 03:35 AM	51.5	48.9	2.6	3.0	-	51.5	45.3
03:35 AM - 03:40 AM	50.8	48.9	1.9	4.5	-	49.3	44.8
03:40 AM - 03:45 AM	50.4	45.9	4.5	1.5	-	51.9	45.0

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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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580653-1

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No.0042

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Sample No. 2314125-10  
Parameter เลื่อนรถขน  
Location ตำบลโพธิ์ตากองโจรงกร (GPS 47P 0727793, 1433011)  
Measurement Date Feb 16 - 17, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 01122579

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขนถ่าย	ระดับเสียง (dB(A))		ค่าปรับ	การประเมินค่าการขนถ่าย		
			ผลต่างระดับเสียง	ตัวปรับค่า				
ปรับค่าเสียงจากแหล่งกำเนิด								
				ค่าปรับ	เสียงที่ปรับฐาน	การประเมิน		
12:25 AM - 12:30 AM	54.7	47.6	7.1	1.0	36.2	45.5	11.2	
12:30 AM - 12:35 AM	55.4	54.0	1.4	7.0	-	51.4	46.0	5.4
12:35 AM - 12:40 AM	56.2	51.3	4.9	1.5	-	57.7	45.7	12.0
12:40 AM - 12:45 AM	53.4	50.2	3.2	3.0	-	53.4	45.7	7.7
12:45 AM - 12:50 AM	54.7	54.3	0.4	7.0	-	50.7	45.7	5.0
12:50 AM - 12:55 AM	55.3	49.1	6.2	1.5	-	56.8	45.5	11.3
12:55 AM - 01:00 AM	52.2	55.1	-2.9	7.0	-	48.2	46.3	1.9
01:00 AM - 01:05 AM	51.3	48.8	2.5	3.0	-	51.3	46.0	5.3
01:05 AM - 01:10 AM	56.9	49.7	7.2	1.0	-	58.9	45.8	13.1
01:10 AM - 01:15 AM	51.1	51.4	-0.3	7.0	-	47.1	46.5	0.6
01:15 AM - 01:20 AM	56.0	50.4	5.6	1.5	-	57.5	46.6	10.9
01:20 AM - 01:25 AM	51.1	49.3	1.8	4.5	-	49.6	46.0	3.6
01:25 AM - 01:30 AM	51.6	49.6	2.0	4.5	-	50.1	46.1	4.0
01:30 AM - 01:35 AM	51.8	55.6	-3.8	7.0	-	47.8	46.0	1.7
01:35 AM - 01:40 AM	59.2	47.9	11.3	0.5	-	61.7	45.8	15.9
01:40 AM - 01:45 AM	53.7	50.0	3.7	2.0	-	54.7	45.9	8.8
01:45 AM - 01:50 AM	51.0	50.3	0.7	7.0	-	47.0	46.0	1.0
01:50 AM - 01:55 AM	54.2	48.1	6.1	1.5	-	55.7	45.6	10.1
01:55 AM - 02:00 AM	56.4	49.2	7.2	1.0	-	58.4	45.6	12.8
02:00 AM - 02:05 AM	53.6	48.6	5.0	1.5	-	55.1	45.7	9.4
02:05 AM - 02:10 AM	50.9	49.1	1.8	4.5	-	49.4	45.7	3.7
02:10 AM - 02:15 AM	54.1	47.5	6.6	1.0	-	56.1	45.6	10.5
02:15 AM - 02:20 AM	51.8	48.8	3.0	3.0	-	51.8	45.3	6.5
02:20 AM - 02:25 AM	51.5	50.8	0.7	7.0	-	47.5	45.6	1.9
02:25 AM - 02:30 AM	53.4	49.3	4.1	2.0	-	54.4	45.2	9.2
02:30 AM - 02:35 AM	51.6	47.2	4.4	2.0	-	52.6	45.5	7.1
02:35 AM - 02:40 AM	51.0	45.9	5.1	1.5	-	52.5	45.6	6.9
02:40 AM - 02:45 AM	53.5	50.1	3.4	3.0	-	53.5	45.1	8.4
02:45 AM - 02:50 AM	50.4	50.9	-0.5	7.0	-	46.4	45.1	1.3
02:50 AM - 02:55 AM	50.9	61.2	-10.3	7.0	-	46.9	45.2	1.7
02:55 AM - 03:00 AM	52.1	48.6	3.5	2.0	-	52.1	45.3	7.0
03:00 AM - 03:05 AM	53.2	56.4	-3.2	7.0	-	49.2	45.7	3.5
03:05 AM - 03:10 AM	52.7	47.7	5.0	1.5	-	54.2	45.3	8.9
03:10 AM - 03:15 AM	54.0	48.9	5.1	1.5	-	55.5	45.9	9.6
03:15 AM - 03:20 AM	50.4	46.6	3.8	2.0	-	51.6	45.1	6.2
03:20 AM - 03:25 AM	53.1	52.6	0.5	7.0	-	49.1	45.1	4.0
03:25 AM - 03:30 AM	52.1	49.1	3.0	3.0	-	52.1	45.0	7.1
03:30 AM - 03:35 AM	53.3	48.9	4.4	2.0	-	54.3	45.3	9.0
03:35 AM - 03:40 AM	50.3	48.9	1.4	7.0	-	44.8	44.8	1.5
03:40 AM - 03:45 AM	50.0	45.9	4.1	2.0	-	51.0	45.0	6.0

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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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580654-1

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Page 1 of 3

Sample No. 2314125-11  
Parameter เลื่อนรถขน  
Location ตำบลโพธิ์ตากองโจรงกร (GPS 47P 0727793, 1433011)  
Measurement Date Feb 17 - 18, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 01122579

เวลา	ระดับเสียง (dB(A))					เสียงที่ชุมชน	การคำนวณ	
	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขนถ่าย	ผลต่างระดับเสียง	ปรับค่าเสียงจากแหล่งกำเนิด				
				ค่าปรับ	ค่าจริง			
11:00 AM - 12:00 PM	62.7	56.2	6.5	1.0	61.7	-	51.0	10.7
12:00 PM - 01:00 PM	59.8	54.2	5.6	1.5	58.3	-	48.9	9.4
01:00 PM - 02:00 PM	58.2	55.1	3.1	3.0	55.2	-	40.2	5.0
02:00 PM - 03:00 PM	62.7	56.4	6.3	1.5	61.2	-	51.1	10.1
03:00 PM - 04:00 PM	62.7	57.7	5.0	1.5	61.2	-	51.2	10.0
04:00 PM - 05:00 PM	49.8	56.6	-6.8	7.0	42.8	-	51.4	-4.6
05:00 PM - 06:00 PM	54.4	57.5	-3.1	7.0	47.4	-	52.0	-4.6
06:00 PM - 07:00 PM	64.4	55.4	9.0	0.5	63.9	-	48.6	15.3
07:00 PM - 08:00 PM	57.1	57.3	-0.2	7.0	50.1	-	49.3	0.8
08:00 PM - 09:00 PM	57.8	57.0	0.8	7.0	50.8	-	50.6	0.2
09:00 PM - 10:00 PM	60.9	55.3	5.6	1.5	59.4	-	46.4	12.8
10:00 PM - 10:05 PM	60.7	51.9	8.8	0.5	-	63.2	46.1	17.1
10:05 PM - 10:10 PM	64.5	53.6	10.9	0.5	-	67.0	47.0	20.0
10:10 PM - 10:15 PM	65.8	49.9	15.9	0.0	-	68.8	46.2	22.6
10:15 PM - 10:20 PM	62.7	51.7	11.0	0.5	-	66.2	46.1	19.8
10:20 PM - 10:25 PM	60.3	52.2	8.1	0.5	-	62.8	46.1	16.7
10:25 PM - 10:30 PM	62.9	48.6	14.3	0.0	-	65.9	45.9	20.0
10:30 PM - 10:35 PM	62.5	47.4	15.1	0.0	-	65.5	45.8	19.7
10:35 PM - 10:40 PM	62.8	48.9	13.9	0.0	-	66.1	46.1	19.7
10:40 PM - 10:45 PM	65.9	49.5	16.4	0.0	-	68.9	46.0	22.9
10:45 PM - 10:50 PM	63.7	49.2	14.5	0.0	-	66.7	46.0	20.7
10:50 PM - 10:55 PM	65.3	51.5	13.8	0.0	-	68.3	46.1	22.2
10:55 PM - 11:00 PM	62.9	53.0	9.9	0.5	-	65.8	46.1	19.3
11:00 PM - 11:05 PM	67.4	51.3	16.1	0.0	-	70.4	45.8	24.6
11:05 PM - 11:10 PM	67.8	49.3	18.5	0.0	-	70.8	45.7	25.1
11:10 PM - 11:15 PM	60.5	52.8	7.7	0.5	-	63.0	46.4	16.6
11:15 PM - 11:20 PM	63.7	46.3	17.4	0.0	-	66.7	45.5	21.2
11:20 PM - 11:25 PM	62.5	51.8	10.7	0.5	-	66.0	45.9	19.6
11:25 PM - 11:30 PM	64.8	49.9	14.9	0.0	-	67.8	46.2	21.6
11:30 PM - 11:35 PM	62.5	49.8	12.7	0.0	-	65.5	45.8	19.7
11:35 PM - 11:40 PM	61.0	49.0	12.0	0.5	-	63.5	46.1	17.4
11:40 PM - 11:45 PM	62.5	49.1	13.4	0.0	-	65.5	45.9	19.6
11:45 PM - 11:50 PM	61.4	54.0	7.4	1.0	-	63.4	46.1	17.3
11:50 PM - 11:55 PM	63.4	49.1	14.3	0.0	-	66.4	46.0	20.4
11:55 PM - 12:00 AM	63.6	49.4	14.2	0.0	-	66.6	46.1	20.5
12:00 AM - 12:05 AM	60.1	52.3	7.8	1.5	-	58.6	46.1	12.5
12:05 AM - 12:10 AM	61.2	56.3	4.9	1.5	-	62.7	46.8	15.9
12:10 AM - 12:15 AM	60.0	50.9	9.1	0.5	-	62.5	46.5	16.0
12:15 AM - 12:20 AM	61.1	47.3	13.8	0.0	-	64.1	45.7	18.4
12:20 AM - 12:25 AM	60.4	47.2	13.2	0.0	-	63.4	45.6	18.8

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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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580653-1

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No.0042

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Sample No. 2314125-10  
Parameter เลื่อนรถขน  
Location ตำบลโพธิ์ตากองโจรงกร (GPS 47P 0727793, 1433011)  
Measurement Date Feb 16 - 17, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 01122579

เวลา	ระดับเสียง (dB(A))					เสียงพื้นฐาน	ค่าระดับการขน	
	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขน	ผลต่างระดับเสียง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด			
					ค่าบวก (+dB)			ค่าลบ (-dB)
03:45 AM - 03:50 AM	51.4	50.0	1.4	7.0	-	47.4	45.1	2.3
03:50 AM - 03:55 AM	52.2	45.7	6.5	1.0	-	50.7	45.6	9.2
03:55 AM - 04:00 AM	55.5	50.8	4.7	1.5	-	57.0	45.6	11.4
04:00 AM - 04:05 AM	51.9	51.8	0.1	7.0	-	47.9	45.1	2.8
04:05 AM - 04:10 AM	52.0	46.5	5.5	1.5	-	53.5	45.0	8.5
04:10 AM - 04:15 AM	50.6	46.7	3.9	2.0	-	51.6	45.1	6.5
04:15 AM - 04:20 AM	50.5	53.9	-3.4	7.0	-	46.5	45.4	1.1
04:20 AM - 04:25 AM	58.3	49.1	9.2	0.5	-	60.8	45.4	15.4
04:25 AM - 04:30 AM	51.1	47.5	3.6	2.0	-	52.1	45.2	6.9
04:30 AM - 04:35 AM	56.7	57.8	-1.1	7.0	-	55.3	45.3	10.4
04:35 AM - 04:40 AM	53.2	46.1	7.1	1.0	-	55.2	45.1	10.1
04:40 AM - 04:45 AM	52.1	51.4	0.7	7.0	-	48.1	45.3	2.8
04:45 AM - 04:50 AM	57.4	47.8	9.6	0.5	-	59.9	45.2	14.7
04:50 AM - 04:55 AM	54.4	46.8	7.6	0.5	-	55.9	45.1	11.8
04:55 AM - 05:00 AM	55.0	46.4	8.6	0.5	-	57.5	45.0	12.5
05:00 AM - 05:05 AM	59.6	52.6	7.0	1.0	-	61.6	45.5	16.1
05:05 AM - 05:10 AM	56.5	47.1	9.4	0.5	-	59.0	45.2	13.8
05:10 AM - 05:15 AM	55.8	48.6	7.2	1.0	-	57.8	45.2	13.6
05:15 AM - 05:20 AM	56.5	49.4	7.1	1.0	-	58.5	45.3	13.2
05:20 AM - 05:25 AM	55.0	51.5	3.5	2.0	-	60.0	45.7	10.3
05:25 AM - 05:30 AM	57.5	49.8	7.7	0.5	-	56.0	45.2	14.8
05:30 AM - 05:35 AM	63.3	54.1	9.2	0.5	-	65.8	45.8	20.0
05:35 AM - 05:40 AM	58.6	49.3	9.3	0.5	-	61.1	45.4	15.7
05:40 AM - 05:45 AM	55.5	48.6	6.9	1.0	-	57.5	45.8	11.7
05:45 AM - 05:50 AM	55.9	51.4	4.5	1.5	-	59.4	45.9	11.5
05:50 AM - 05:55 AM	57.8	51.8	6.0	1.5	-	57.3	46.2	13.1
05:55 AM - 06:00 AM	55.6	53.6	2.0	4.5	-	56.3	46.0	8.1
06:00 AM - 07:00 AM	62.4	54.8	7.6	0.5	61.9	-	47.9	44.0
07:00 AM - 08:00 AM	65.9	61.6	4.3	2.0	63.9	-	52.5	11.4
08:00 AM - 09:00 AM	64.2	60.3	3.9	2.0	62.2	-	54.3	7.9
09:00 AM - 10:00 AM	62.0	57.1	4.9	1.5	60.5	-	52.0	8.5
10:00 AM - 11:00 AM	60.7	58.2	2.5	3.0	57.7	-	51.2	6.5

ค่าระดับการขน

Reference Method :

1. ISO 1996-1

2. ประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงตาม ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

มาตรฐาน

1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการขนตามระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548  
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการขนตามระดับเสียงที่เกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

ระดับเสียงที่ตรวจวัดและระดับเสียงขณะไม่มีการขน (Sample No.2295238-2 วันที่ตรวจวัด 31 ธันวาคม 2565-01 มกราคม 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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580654-1

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No.0042

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Sample No. 2314125-11  
Parameter เลื่อนรถขน  
Location ตำบลโพธิ์ตากองโจรงกร (GPS 47P 0727793, 1433011)  
Measurement Date Feb 17 - 18, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 01122579

เวลา	ระดับเสียง (dB(A))					การขน		
	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขน	ผลต่างระดับเสียง	ค่าปรับ	การปรับเสียงจากแหล่งกำเนิด			
					ค่าปรับ		ค่าปรับ	
12:25 AM - 12:30 AM	58.8	47.6	11.2	0.5	-	61.3	45.5	15.8
12:30 AM - 12:35 AM	58.2	54.0	4.2	2.0	-	59.2	45.0	14.2
12:35 AM - 12:40 AM	58.2	51.3	6.9	1.0	-	60.9	45.7	15.2
12:40 AM - 12:45 AM	58.4	50.2	8.2	0.5	-	60.9	45.7	15.2
12:45 AM - 12:50 AM	56.3	54.3	2.0	4.5	-	54.8	45.7	9.1
12:50 AM - 12:55 AM	57.2	49.1	8.1	0.5	-	59.7	45.5	14.2
12:55 AM - 01:00 AM	57.5	55.1	2.4	4.5	-	60.9	46.3	9.7
01:00 AM - 01:05 AM	60.4	48.8	11.6	0.5	-	62.9	46.0	16.9
01:05 AM - 01:10 AM	60.4	49.7	10.7	0.5	-	62.9	45.8	17.1
01:10 AM - 01:15 AM	58.9	51.4	7.5	0.5	-	61.4	46.6	14.8
01:15 AM - 01:20 AM	60.8	50.4	10.4	0.5	-	63.3	46.5	16.8
01:20 AM - 01:25 AM	58.1	49.3	8.8	0.5	-	60.6	46.0	14.6
01:25 AM - 01:30 AM	58.7	49.6	9.1	0.5	-	61.2	46.1	15.1
01:30 AM - 01:35 AM	57.8	55.6	2.2	0.5	-	56.3	46.1	10.2
01:35 AM - 01:40 AM	47.2	52.2	11.3	0.5	-	61.7	45.8	15.9
01:40 AM - 01:45 AM	59.8	50.0	9.8	0.5	-	62.3	45.9	16.4
01:45 AM - 01:50 AM	61.7	50.3	11.4	0.5	-	64.2	46.0	18.2
01:50 AM - 01:55 AM	62.2	48.1	14.1	0.0	-	65.2	45.6	19.6
01:55 AM - 02:00 AM	59.7	105.2	46.5	10.0	-	65.2	45.6	19.6
02:00 AM - 02:05 AM	63.3	48.6	14.7	0.0	-	66.3	45.7	20.6
02:05 AM - 02:10 AM	63.9	49.1	14.8	0.0	-	66.9	45.7	21.2
02:10 AM - 02:15 AM	60.7	47.5	13.2	0.0	-	63.7	45.6	18.1
02:15 AM - 02:20 AM	58.9	48.8	10.1	0.5	-	61.4	45.3	16.1
02:20 AM - 02:25 AM	60.0	50.8	9.2	0.5	-	62.5	45.2	16.9
02:25 AM - 02:30 AM	59.8	49.3	10.5	0.5	-	62.3	45.2	17.1
02:30 AM - 02:35 AM	58.2	47.2	11.0	0.5	-	60.7	45.5	15.2
02:35 AM - 02:40 AM	58.9	45.9	13.0	0.0	-	59.9	45.1	16.8
02:40 AM - 02:45 AM	58.5	50.5	8.4	0.5	-	62.0	45.1	17.4
02:45 AM - 02:50 AM	58.6	50.9	7.7	0.5	-	61.1	45.1	16.0
02:50 AM - 02:55 AM	58.6	61.2	-2.6	7.0	-	54.6	45.2	9.4
02:55 AM - 03:00 AM	58.9	48.6	12.3	0.5	-	64.4	45.2	18.2
03:00 AM - 03:05 AM	52.5	-3.9	7.0	7.0	-	56.7	45.9	2.8
03:05 AM - 03:10 AM	53.9	47.7	6.2	1.5	-	55.4	45.3	10.1
03:10 AM - 03:15 AM	52.2	48.9	-3.3	3.0	-	52.2	45.9	6.3
03:15 AM - 03:20 AM	55.7	46.6	9.1	0.5	-	58.2	45.2	13.0
03:20 AM - 03:25 AM	52.0	-0.6	7.0	7.0	-	49.0	45.6	2.9
03:25 AM - 03:30 AM	52.4	49.1	3.3	3.0	-	52.4	45.0	7.4
03:30 AM - 03:35 AM	54.0	48.9	5.1	1.5	-	55.5	45.3	10.2
03:35 AM - 03:40 AM	54.8	48.9	5.9	1.5	-	56.3	44.8	11.5



## 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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580655-1

Page 3 of 3

Sample No. 2314125-11  
Parameter เลื่อนรถขน  
Location ตำบลห้วยหินลาด (GPS 47P 0727793, 1433011)  
Measurement Date Feb 17 - 18, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 01122579

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขน	ผลต่าง	ค่าปรับค่า	ระดับเสียง (dB(A))		เสียงที่ขน	ค่าปรับค่า	ค่ารวม
					ค่าปรับค่า	ค่าปรับค่า			
03:45 AM - 03:50 AM	58.8	50.0	8.8	0.5	-	61.3	45.1	16.2	10.0
03:50 AM - 03:55 AM	54.5	45.7	8.8	0.5	-	57.0	45.0	12.0	14.2
03:55 AM - 04:00 AM	53.7	50.8	2.9	3.0	-	53.7	45.6	8.1	14.2
04:00 AM - 04:05 AM	51.0	51.8	-0.8	7.0	-	47.0	45.1	1.9	10.1
04:05 AM - 04:10 AM	50.9	46.5	4.4	2.0	-	51.9	45.0	6.9	10.7
04:10 AM - 04:15 AM	50.9	46.7	4.2	2.0	-	51.9	45.1	6.8	-3.5
04:15 AM - 04:20 AM	50.8	53.9	-3.1	7.0	-	46.8	45.4	1.4	-5.8
04:20 AM - 04:25 AM	53.9	49.1	4.8	1.5	-	55.4	45.4	10.0	11.2
04:25 AM - 04:30 AM	51.1	47.5	3.6	2.0	-	52.1	45.2	6.9	14.0
04:30 AM - 04:35 AM	54.9	57.8	-2.9	7.0	-	50.9	45.3	5.6	9.6
04:35 AM - 04:40 AM	53.5	46.1	7.4	1.0	-	55.5	45.1	10.4	12.9
04:40 AM - 04:45 AM	52.8	51.4	1.4	7.0	-	48.8	45.3	3.5	15.8
04:45 AM - 04:50 AM	54.5	47.8	6.7	1.0	-	56.5	45.2	11.3	14.0
04:50 AM - 04:55 AM	54.1	46.8	7.3	1.0	-	56.1	45.1	11.0	15.9
04:55 AM - 05:00 AM	53.7	46.4	7.3	1.0	-	55.7	45.0	10.7	13.3
05:00 AM - 05:05 AM	62.0	52.6	9.4	0.5	-	64.5	45.5	19.0	15.5
05:05 AM - 05:10 AM	62.8	47.1	15.7	0.0	-	65.8	45.2	20.6	17.2
05:10 AM - 05:15 AM	60.3	48.6	11.7	0.5	-	62.8	45.2	17.6	23.0
05:15 AM - 05:20 AM	59.0	49.4	9.6	0.5	-	61.5	45.3	16.2	19.1
05:20 AM - 05:25 AM	55.8	51.5	4.3	2.0	-	56.0	45.7	11.1	17.2
05:25 AM - 05:30 AM	62.6	49.8	12.8	0.0	-	65.6	45.2	20.4	15.9
05:30 AM - 05:35 AM	54.6	54.1	0.5	7.0	-	50.6	45.8	4.8	13.3
05:35 AM - 05:40 AM	54.8	49.3	5.5	1.5	-	56.3	45.4	10.9	15.5
05:40 AM - 05:45 AM	59.2	48.6	10.6	0.5	-	61.7	45.8	15.9	17.2
05:45 AM - 05:50 AM	64.5	51.4	13.1	0.0	-	67.5	45.2	22.3	17.2
05:50 AM - 05:55 AM	58.6	51.8	6.8	1.0	-	60.6	46.2	14.4	17.3
05:55 AM - 06:00 AM	58.3	53.6	4.7	1.5	-	59.8	46.0	13.8	18.8
06:00 AM - 07:00 AM	50.7	54.8	-4.1	7.0	43.7	-	47.9	-4.2	17.5
07:00 AM - 08:00 AM	57.1	61.3	-4.2	7.0	60.1	-	54.3	-3.0	17.5
08:00 AM - 09:00 AM	61.8	60.3	1.5	4.5	57.3	-	52.0	8.8	15.7
09:00 AM - 10:00 AM	62.3	57.1	5.2	1.5	60.8	-	51.2	4.3	19.2
10:00 AM - 11:00 AM	60.0	58.2	1.8	4.5	55.5	-	-	-	-

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. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่ามาตรฐานเสียงรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงานที่เปลี่ยนรายละเอียด พ.ศ. 2561  
ระดับเสียงตามแหล่งกำเนิด : 17-18 ตามค่าปี 2566  
ระดับเสียงที่ขนและระดับเสียงขณะไม่มีการขน (Sample No.2292538-2 ชนิดตรวจวัด 31 ธันวาคม 2565-01 มกราคม 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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580655-1

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Sample No. 2314125-12  
Parameter เลื่อนรถขน  
Location ตำบลห้วยหินลาด (GPS 47P 0727793, 1433011)  
Measurement Date Feb 18 - 19, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 01122579

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขน	ผลต่าง	ค่าปรับค่า	ระดับเสียง (dB(A))		เสียงที่ขน	ค่าปรับค่า	ค่ารวม
					ค่าปรับค่า	ค่าปรับค่า			
12:25 AM - 12:30 AM	57.8	47.6	10.2	0.5	-	60.3	45.5	14.8	22.9
12:30 AM - 12:35 AM	62.0	54.0	8.0	0.5	-	64.5	46.0	18.5	23.1
12:35 AM - 12:40 AM	62.4	51.3	11.1	0.5	-	64.9	45.7	19.2	22.3
12:40 AM - 12:45 AM	60.2	50.2	10.0	0.5	-	62.7	45.7	17.0	22.7
12:45 AM - 12:50 AM	60.1	51.8	8.3	1.5	-	61.6	45.7	15.9	22.8
12:50 AM - 12:55 AM	57.7	49.1	8.6	0.5	-	60.2	45.5	14.7	24.9
12:55 AM - 01:00 AM	57.7	55.1	2.6	3.0	-	57.7	46.3	11.4	24.4
01:00 AM - 01:05 AM	61.5	48.8	12.7	0.0	-	64.5	46.0	18.5	26.1
01:05 AM - 01:10 AM	56.4	49.7	6.7	1.0	-	58.4	45.8	12.6	22.8
01:10 AM - 01:15 AM	58.1	51.4	6.7	1.0	-	60.1	46.6	13.5	22.1
01:15 AM - 01:20 AM	60.4	50.4	10.0	0.5	-	62.9	46.5	16.4	20.9
01:20 AM - 01:25 AM	60.2	49.3	10.9	0.5	-	62.7	46.0	16.7	22.1
01:25 AM - 01:30 AM	61.9	49.6	12.3	0.5	-	64.4	46.1	18.3	22.1
01:30 AM - 01:35 AM	57.8	55.6	2.2	4.5	-	56.3	46.1	10.2	21.5
01:35 AM - 01:40 AM	58.8	47.9	10.9	0.5	-	61.3	45.8	15.5	10.5
01:40 AM - 01:45 AM	54.6	50.0	4.6	1.5	-	56.1	45.9	10.2	18.3
01:45 AM - 01:50 AM	56.7	50.3	6.4	1.5	-	58.2	46.0	12.2	18.3
01:50 AM - 01:55 AM	54.0	48.1	5.9	1.5	-	55.5	45.6	9.9	18.3
01:55 AM - 02:00 AM	52.5	49.2	3.3	3.0	-	52.5	45.6	6.9	18.3
02:00 AM - 02:05 AM	61.0	48.6	12.4	0.0	-	66.0	45.7	20.3	17.2
02:05 AM - 02:10 AM	61.9	49.1	12.8	0.5	-	64.9	45.7	19.2	17.2
02:10 AM - 02:15 AM	61.3	47.5	13.8	0.0	-	64.3	45.6	18.7	17.2
02:15 AM - 02:20 AM	60.7	48.8	11.9	0.5	-	63.2	45.3	17.9	17.2
02:20 AM - 02:25 AM	61.1	50.8	10.3	0.5	-	63.6	45.6	18.0	17.2
02:25 AM - 02:30 AM	60.2	49.3	10.9	0.5	-	62.7	45.2	17.5	17.2
02:30 AM - 02:35 AM	60.0	47.2	12.8	0.0	-	63.0	45.5	17.5	17.2
02:35 AM - 02:40 AM	58.6	45.9	12.7	0.0	-	61.6	45.1	16.5	17.2
02:40 AM - 02:45 AM	56.9	50.1	6.8	1.0	-	58.9	46.1	12.8	17.2
02:45 AM - 02:50 AM	59.7	50.8	8.9	0.5	-	60.5	45.9	14.6	17.2
02:50 AM - 02:55 AM	61.6	61.2	0.4	7.0	-	57.6	45.2	12.4	17.2
02:55 AM - 03:00 AM	58.9	48.6	10.3	0.5	-	61.4	45.2	16.2	17.2
03:00 AM - 03:05 AM	59.9	56.4	3.5	2.0	-	58.0	45.7	12.3	17.2
03:05 AM - 03:10 AM	60.5	47.7	12.8	0.0	-	63.5	45.3	18.2	17.2
03:10 AM - 03:15 AM	58.6	48.9	9.7	0.5	-	61.1	45.9	15.2	17.2
03:15 AM - 03:20 AM	58.4	46.6	11.8	0.5	-	60.9	45.2	15.7	17.2
03:20 AM - 03:25 AM	57.3	52.6	4.6	1.5	-	58.7	45.1	13.6	17.2
03:25 AM - 03:30 AM	60.9	49.1	11.8	0.5	-	63.4	45.0	18.4	17.2
03:30 AM - 03:35 AM	61.0	48.9	12.1	0.5	-	63.5	45.3	18.2	17.2
03:35 AM - 03:40 AM	63.7	48.9	14.8	0.0	-	66.7	44.8	21.9	17.2
03:40 AM - 03:45 AM	64.4	45.9	18.5	0.0	-	67.4	45.0	22.4	17.2

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 : UACI (Thailand) Co., Ltd.  
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpore, A. Pluakdaeng, Rayong  
Thailand 21140  
P/O : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580655-1

Page 1 of 3

Sample No. 2314125-12  
Parameter เลื่อนรถขน  
Location ตำบลห้วยหินลาด (GPS 47P 0727793, 1433011)  
Measurement Date Feb 18 - 19, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 01122579

เวลา	ระดับเสียง (dB(A))				ปรับค่าเสียงจากค่าปรับค่าอื่น		เสียงที่ปรับค่า	การคำนวณ
	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขน	ผลต่าง	ค่าปรับค่า	ค่าปรับค่า	ค่าปรับค่า		
11:00 AM - 12:00 PM	62.5	56.2	6.3	1.5	61.0	-	51.0	10.0
12:00 PM - 01:00 PM	63.6	54.2	9.4	0.5	63.1	-	48.9	14.2
01:00 PM - 02:00 PM	52.1	55.1	-3.0	7.0	45.1	-	50.2	-5.1
02:00 PM - 03:00 PM	62.7	56.4	6.3	1.5	61.2	-	51.1	10.1
03:00 PM - 04:00 PM	63.4	57.7	5.7	1.5	61.9	-	51.2	10.7
04:00 PM - 05:00 PM	54.9	56.6	-1.7	7.0	47.9	-	51.4	-3.5
05:00 PM - 06:00 PM	53.2	57.5	-4.3	7.0	46.2	-	52.0	-5.8
06:00 PM - 07:00 PM	61.3	55.4	5.9	1.5	59.8	-	48.6	11.2
07:00 PM - 08:00 PM	64.3	57.3	7.0	1.5	63.3	-	49.3	14.0
08:00 PM - 09:00 PM	61.7	57.0	4.7	1.5	60.2	-	50.6	9.6
09:00 PM - 10:00 PM	61.0	55.3	5.7	1.5	59.5	-	46.6	12.9
10:00 PM - 10:05 PM	62.4	51.9	10.5	0.5	-	64.9	46.1	18.8
10:05 PM - 10:10 PM	59.5	53.6	5.9	1.5	-	61.0	47.0	14.0
10:10 PM - 10:15 PM	64.5	49.9	14.6	0.0	-	67.5	46.2	21.3
10:15 PM - 10:20 PM	63.9	51.7	12.2	0.5	-	66.4	46.4	20.0
10:20 PM - 10:25 PM	65.6	52.2	13.4	0.0	-	68.6	46.1	22.5
10:25 PM - 10:30 PM	64.7	48.6	16.1	0.0	-	67.7	45.9	21.8
10:30 PM - 10:35 PM	65.8	47.4	18.4	0.0	-	68.8	45.8	23.0
10:35 PM - 10:40 PM	62.2	48.9	13.3	0.0	-	65.2	46.1	19.1
10:40 PM - 10:45 PM	60.7	49.5	11.2	0.5	-	63.2	46.0	17.2
10:45 PM - 10:50 PM	59.4	49.2	10.2	0.5	-	61.9	46.0	15.9
10:50 PM - 10:55 PM	57.9	51.5	6.4	1.5	-	59.4	46.1	13.3
10:55 PM - 11:00 PM	59.6	53.0	6.6	1.0	-	61.6	46.1	15.5
11:00 PM - 11:05 PM	60.3	53.0	7.0	0.5	-	62.8	45.8	17.0
11:05 PM - 11:10 PM	63.5	49.3	14.2	0.0	-	66.5	45.7	20.8
11:10 PM - 11:15 PM	61.4	52.8	8.6	0.5	-	63.9	46.4	17.5
11:15 PM - 11:20 PM	58.0	46.7	11.7	0.5	-	60.7	45.5	15.0
11:20 PM - 11:25 PM	59.3	51.8	7.5	0.5	-	61.8	46.1	15.7
11:25 PM - 11:30 PM	61.0	49.9	11.1	0.5	-	63.5	46.2	17.3
11:30 PM - 11:35 PM	62.1	49.8	12.3	0.5	-	64.6	45.8	18.8
11:35 PM - 11:40 PM	61.1	49.0	12.1	1.5	-	63.6	46.1	17.5
11:40 PM - 11:45 PM	59.1	49.1	10.0	0.5	-	61.6	45.9	15.7
11:45 PM - 11:50 PM	60.3	54.0	6.3	1.5	-	61.8	46.1	15.7
11:50 PM - 11:55 PM	60.1	49.1	11.0	0.5	-	62.6	46.0	16.6
11:55 PM - 12:00 AM	65.5	49.4	16.1	1.5	-	65.5	46.1	22.4
12:00 AM - 12:05 AM	59.4	58.3	1.1	7.0	-	55.4	48.1	7.3
12:05 AM - 12:10 AM	61.1	56.3	4.8	1.5	-	62.6	46.8	15.8
12:10 AM - 12:15 PM	56.0	50.9	5.1	1.5	-	57.5	46.5	11.0
12:15 AM - 12:20 AM	58.9	49.4	9.5	1.5	-	61.4	45.7	15.7
12:20 AM - 12:25 AM	61.7	47.2	14.5	0.0	-	64.7	45.5	19.2





## 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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580656-1

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No.0042

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Sample No. 2314125-13  
Parameter เสียงรบกวน  
Location ตำบลบ้านใหม่ อ.บ้านค่าย จ.ระยอง (GPS 47P 0727793, 1433011)  
Measurement Date Feb 19 - 20, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 01122579

เวลา	เสียงจากแหล่งกำเนิด	ระดับเสียง (dB(A))		ค่าปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงที่พื้นฐาน	การคำนวณการรบกวน
		เสียงขณะไม่มีการรบกวน	ผลต่าง		ค่าปรับค่า	ค่าปรับค่า		
11:00 AM - 12:00 PM	60.6	56.2	4.4	2.0	58.6	-	51.0	7.6
12:00 PM - 01:00 PM	58.4	54.2	4.2	2.0	56.4	-	50.9	7.5
01:00 PM - 02:00 PM	52.3	55.1	-2.8	7.0	45.3	-	48.2	-
02:00 PM - 03:00 PM	58.3	56.4	1.9	4.5	53.8	-	51.1	2.7
03:00 PM - 04:00 PM	53.2	57.7	-4.5	7.0	46.2	-	51.2	-5.0
04:00 PM - 05:00 PM	54.9	56.6	-1.7	7.0	47.9	-	51.7	-3.5
05:00 PM - 06:00 PM	67.5	57.5	10.0	0.5	67.0	-	52.0	15.0
06:00 PM - 07:00 PM	50.0	55.4	-5.4	7.0	43.0	-	48.6	-5.6
07:00 PM - 08:00 PM	52.0	57.3	-5.3	7.0	45.0	-	49.3	-4.3
08:00 PM - 09:00 PM	66.6	57.0	9.6	0.5	66.1	-	50.6	15.5
09:00 PM - 10:00 PM	60.8	55.3	5.5	1.5	59.3	-	46.6	12.7
10:00 PM - 10:05 PM	60.2	51.9	8.3	0.5	-	62.7	46.1	16.6
10:05 PM - 10:10 PM	62.6	53.6	9.0	0.5	-	65.1	47.0	18.1
10:10 PM - 10:15 PM	59.8	49.9	9.9	0.5	-	62.3	46.2	16.1
10:15 PM - 10:20 PM	60.8	51.7	9.1	0.5	-	63.3	46.4	16.9
10:20 PM - 10:25 PM	61.8	52.2	9.6	0.5	-	64.3	46.1	18.2
10:25 PM - 10:30 PM	61.7	48.6	13.1	0.0	-	64.7	45.9	18.8
10:30 PM - 10:35 PM	61.1	47.4	13.7	0.0	-	64.1	45.7	18.3
10:35 PM - 10:40 PM	65.3	48.9	16.4	0.0	-	68.3	46.1	22.2
10:40 PM - 10:45 PM	61.1	49.5	11.6	0.5	-	63.6	46.0	17.6
10:45 PM - 10:50 PM	59.6	49.2	10.4	0.5	-	62.1	46.0	16.1
10:50 PM - 10:55 PM	60.8	51.5	9.3	0.5	-	63.3	46.1	17.2
10:55 PM - 11:00 PM	60.9	53.0	7.9	0.5	-	63.4	46.1	17.3
11:00 PM - 11:05 PM	58.9	51.3	7.6	0.5	-	61.4	45.8	15.6
11:05 PM - 11:10 PM	59.0	49.3	9.7	0.5	-	61.5	45.7	15.7
11:10 PM - 11:15 PM	64.6	52.8	11.8	0.5	-	67.1	46.4	20.7
11:15 PM - 11:20 PM	59.7	46.3	13.4	0.0	-	62.7	46.2	17.8
11:20 PM - 11:25 PM	59.6	51.8	7.8	0.5	-	62.1	46.1	16.0
11:25 PM - 11:30 PM	58.5	49.9	8.6	0.5	-	61.0	46.2	14.8
11:30 PM - 11:35 PM	63.7	49.8	13.9	0.0	-	66.7	45.8	20.9
11:35 PM - 11:40 PM	61.6	48.0	13.6	0.0	-	64.6	46.2	18.5
11:40 PM - 11:45 PM	59.5	49.1	10.4	0.5	-	62.0	45.9	16.1
11:45 PM - 11:50 PM	60.5	54.0	6.5	1.0	-	62.5	46.1	16.4
11:50 PM - 11:55 PM	57.1	49.1	8.0	0.5	-	59.6	46.0	13.6
11:55 PM - 12:00 AM	58.5	49.4	9.1	0.5	-	61.0	46.1	14.9
12:00 AM - 12:05 AM	50.5	58.3	-7.8	7.0	43.0	-	46.1	-1.6
12:05 AM - 12:10 AM	52.1	56.3	-4.2	7.0	45.1	-	46.8	1.3
12:10 AM - 12:15 AM	51.5	50.9	0.6	7.0	44.5	-	46.5	1.0
12:15 AM - 12:20 AM	50.6	47.3	3.3	3.0	47.6	-	50.6	4.9
12:20 AM - 12:25 AM	52.2	47.2	5.0	1.5	50.7	-	53.7	8.2

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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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580656-1

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No.0042

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Sample No. 2314125-13  
Parameter เสียงรบกวน  
Location ตำบลบ้านใหม่ อ.บ้านค่าย จ.ระยอง (GPS 47P 0727793, 1433011)  
Measurement Date Feb 19 - 20, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 01122579

เวลา		เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ผลต่าง	ค่าปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด	เสียงพื้นฐาน	การประเมินการรบกวน
		(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)
03:45 AM - 03:50 AM	60.0	50.0	10.0	0.5	-	62.5	45.1	17.4
03:50 AM - 03:55 AM	58.0	45.0	13.0	0.5	-	60.5	45.5	15.0
03:55 AM - 04:00 AM	58.2	74.0	7.4	1.0	-	60.2	45.6	14.6
04:00 AM - 04:05 AM	51.0	51.8	-0.8	7.0	-	47.0	45.1	1.9
04:05 AM - 04:10 AM	53.5	46.5	7.0	1.0	-	55.5	45.0	10.5
04:10 AM - 04:15 AM	49.1	46.7	2.4	4.5	-	47.6	45.1	2.5
04:15 AM - 04:20 AM	54.0	53.9	0.1	7.0	-	50.0	45.4	4.6
04:20 AM - 04:25 AM	51.5	49.1	2.4	4.5	-	50.0	45.4	4.6
04:25 AM - 04:30 AM	48.3	47.5	0.8	7.0	-	44.3	45.2	-0.9
04:30 AM - 04:35 AM	50.2	57.8	-7.6	7.0	-	46.2	45.3	0.9
04:35 AM - 04:40 AM	47.9	46.1	1.8	4.5	-	46.4	45.1	1.3
04:40 AM - 04:45 AM	51.5	51.4	0.1	7.0	-	47.5	45.3	2.2
04:45 AM - 04:50 AM	48.6	47.8	0.8	7.0	-	44.6	45.2	-0.6
04:50 AM - 04:55 AM	48.1	46.8	1.3	7.0	-	44.1	45.1	-1.0
04:55 AM - 05:00 AM	48.6	46.4	2.2	4.5	-	47.1	45.0	2.1
05:00 AM - 05:05 AM	55.7	52.6	3.1	3.0	-	55.7	45.5	10.2
05:05 AM - 05:10 AM	56.4	47.1	9.3	0.5	-	58.9	45.2	13.7
05:10 AM - 05:15 AM	61.2	48.6	12.6	0.0	-	64.2	45.2	19.0
05:15 AM - 05:20 AM	56.9	49.4	7.5	0.5	-	59.4	45.3	14.1
05:20 AM - 05:25 AM	63.7	51.5	12.2	0.5	-	66.2	45.7	20.5
05:25 AM - 05:30 AM	59.6	49.8	9.8	0.5	-	62.1	45.2	16.9
05:30 AM - 05:35 AM	60.0	54.1	5.9	1.5	-	61.5	45.8	15.7
05:35 AM - 05:40 AM	59.7	49.3	10.4	0.5	-	62.2	45.4	16.8
05:40 AM - 05:45 AM	64.9	48.6	16.3	0.0	-	67.9	45.8	22.1
05:45 AM - 05:50 AM	62.8	51.4	11.4	0.5	-	65.3	45.9	19.4
05:50 AM - 05:55 AM	61.4	51.8	9.6	0.5	-	63.9	46.2	17.7
05:55 AM - 06:00 AM	63.2	53.6	9.6	0.5	-	65.7	46.0	19.7
06:00 AM - 07:00 AM	62.4	54.8	7.6	0.5	61.9	-	47.9	14.0
07:00 AM - 08:00 AM	59.4	61.6	-2.2	7.0	52.4	-	52.5	-0.1
08:00 AM - 09:00 AM	59.0	60.3	-1.3	7.0	52.0	-	54.2	-2.3
09:00 AM - 10:00 AM	59.6	57.1	2.5	3.0	56.6	-	52.0	4.6
10:00 AM - 11:00 AM	60.5	58.2	2.3	4.5	56.0	-	51.2	4.8

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

หมายเหตุ :  
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงรบกวนและระดับเสียงที่ได้จากการประกาศกฎกระทรวง พ.ศ. 2548  
2. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานเสียงที่ได้จากการประกาศกฎกระทรวงประกาศใช้ฉบับล่าสุด พ.ศ. 2561  
ระดับเสียงจากแหล่งกำเนิดตามใบแจ้งการตรวจวัด วันที่ 19-20 กุมภาพันธ์ 2566  
ระดับเสียงที่ตรวจวัดตามระดับเสียงขณะไม่มีการรบกวน (Sample No.2292538-2 วันที่ตรวจวัด 31 ธันวาคม 2565-01 มกราคม 2566)

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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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580656-1

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Sample No. 2314125-13  
Parameter เสียงรบกวน  
Location ตำบลบ้านใหม่ อ.บ้านค่าย จ.ระยอง (GPS 47P 0727793, 1433011)  
Measurement Date Feb 19 - 20, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 01122579

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		ปรับค่าเสียงจากแหล่งกำเนิด	เสียงที่รบกวน	การรบกวน
			ผลต่าง	ค่าปรับค่า			
12:25 AM - 12:30 AM	52.8	47.6	5.2	1.5	54.3	45.5	8.8
12:30 AM - 12:35 AM	51.3	54.0	-2.7	7.0	47.3	54.0	6.7
12:35 AM - 12:40 AM	54.5	51.3	3.2	3.0	54.5	46.7	8.8
12:40 AM - 12:45 AM	52.6	50.2	2.4	4.5	51.1	45.7	5.4
12:45 AM - 12:50 AM	53.4	54.3	-0.9	7.0	49.4	45.7	3.7
12:50 AM - 12:55 AM	53.3	49.1	4.2	2.0	54.3	45.7	8.6
12:55 AM - 01:00 AM	53.8	55.1	-1.3	7.0	49.8	46.5	3.3
01:00 AM - 01:05 AM	51.7	48.8	2.9	3.0	51.7	46.0	5.7
01:05 AM - 01:10 AM	51.5	49.7	1.8	4.5	50.0	45.8	4.2
01:10 AM - 01:15 AM	51.9	51.4	0.5	7.0	47.9	46.6	1.3
01:15 AM - 01:20 AM	52.1	50.4	1.7	4.5	50.6	46.5	4.1
01:20 AM - 01:25 AM	51.7	49.3	2.4	3.0	51.7	46.0	6.7
01:25 AM - 01:30 AM	59.3	49.6	9.7	0.5	62.8	46.1	15.7
01:30 AM - 01:35 AM	61.2	55.6	5.6	1.5	62.7	46.1	16.6
01:35 AM - 01:40 AM	60.0	47.9	12.1	0.5	62.5	45.8	16.7
01:40 AM - 01:45 AM	57.7	50.0	7.7	0.5	60.2	45.9	14.3
01:45 AM - 01:50 AM	54.8	50.3	4.5	1.5	56.3	46.0	10.3
01:50 AM - 01:55 AM	54.3	48.1	6.2	1.5	55.8	45.6	10.2
01:55 AM - 02:00 AM	52.8	49.2	3.6	2.0	53.8	45.6	8.2
02:00 AM - 02:05 AM	56.1	48.6	7.5	0.5	58.6	45.7	12.9
02:05 AM - 02:10 AM	57.2	49.1	8.1	0.5	59.7	45.7	14.0
02:10 AM - 02:15 AM	55.3	47.5	7.8	0.5	57.8	45.6	12.2
02:15 AM - 02:20 AM	56.1	48.8	7.3	1.0	58.1	45.3	12.8
02:20 AM - 02:25 AM	54.2	50.8	3.4	3.0	54.2	45.6	8.6
02:25 AM - 02:30 AM	56.3	49.3	7.0	1.0	58.3	45.2	13.1
02:30 AM - 02:35 AM	52.7	47.2	5.5	1.5	54.2	45.5	8.7
02:35 AM - 02:40 AM	52.3	45.9	6.4	1.5	53.8	45.1	8.7
02:40 AM - 02:45 AM	55.4	50.1	5.3	1.5	56.8	45.1	11.8
02:45 AM - 02:50 AM	53.2	50.9	2.3	4.5	51.7	45.1	6.6
02:50 AM - 02:55 AM	54.1	61.2	-7.1	7.0	50.1	45.2	4.9
02:55 AM - 03:00 AM	54.8	48.6	6.2	1.5	56.3	45.2	11.1
03:00 AM - 03:05 AM	59.2	50.4	8.8	0.5	61.0	45.7	13.5
03:05 AM - 03:10 AM	58.5	47.7	10.8	0.5	61.0	45.3	15.7
03:10 AM - 03:15 AM	58.5	48.9	9.6	0.5	61.0	45.9	15.1
03:15 AM - 03:20 AM	59.1	46.6	12.5	0.0	62.1	46.3	16.9
03:20 AM - 03:25 AM	63.6	52.6	11.0	0.5	66.1	45.1	21.0
03:25 AM - 03:30 AM	63.9	49.1	14.8	0.0	66.9	45.0	21.9
03:30 AM - 03:35 AM	60.7	48.9	11.8	0.5	63.2	45.3	17.9
03:35 AM - 03:40 AM	59.2	48.9	10.3	0.5	61.7	44.8	16.9
03:40 AM - 03:45 AM	56.5	45.9	10.6	0.5	59.0	45.0	14.0

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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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580656-1

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No.0042

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Sample No. 2314125-14  
Parameter เสียงรบกวน  
Location ตำบลบ้านใหม่ อ.บ้านค่าย จ.ระยอง (GPS 47P 0727793, 1433011)  
Measurement Date Feb 20 - 21, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 01122579



## 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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580657-1

TESTING  
No.0042

Sample No. 2314125-14  
Parameter เลื่อนรถขน  
Location อำเภอคลองใหญ่ (GPS 47P 0727793, 1433011)  
Measurement Date Feb 20 - 21, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 01122579

Page 2 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขน	ระดับเสียง (dB(A))		ค่าเฉลี่ยการขน
			ผลต่าง	ค่าปรับ	
12:25 AM - 12:30 AM	57.3	47.6	9.7	0.5	-
12:30 AM - 12:35 AM	52.7	54.0	-1.3	7.0	-
12:35 AM - 12:40 AM	54.4	51.3	3.1	3.0	-
12:40 AM - 12:45 AM	53.8	50.2	3.6	2.0	-
12:45 AM - 12:50 AM	58.5	54.3	4.2	2.0	-
12:50 AM - 12:55 AM	55.7	49.1	6.6	1.0	-
12:55 AM - 01:00 AM	51.1	55.1	-4.0	7.0	-
01:00 AM - 01:05 AM	51.1	48.8	2.3	4.5	-
01:05 AM - 01:10 AM	50.1	49.7	0.4	7.0	-
01:10 AM - 01:15 AM	49.3	51.4	-2.1	7.0	-
01:15 AM - 01:20 AM	49.0	50.4	-1.4	7.0	-
01:20 AM - 01:25 AM	52.9	49.3	3.6	2.0	-
01:25 AM - 01:30 AM	49.4	49.6	-0.2	7.0	-
01:30 AM - 01:35 AM	51.5	55.6	-4.1	7.0	-
01:35 AM - 01:40 AM	49.8	47.9	1.9	4.5	-
01:40 AM - 01:45 AM	51.0	50.0	1.0	7.0	-
01:45 AM - 01:50 AM	48.9	50.3	-1.4	7.0	-
01:50 AM - 01:55 AM	49.0	48.1	0.9	7.0	-
01:55 AM - 02:00 AM	50.5	49.2	1.3	7.0	-
02:00 AM - 02:05 AM	50.3	48.6	1.7	4.5	-
02:05 AM - 02:10 AM	53.9	49.1	4.8	1.5	-
02:10 AM - 02:15 AM	55.1	47.5	7.6	0.5	-
02:15 AM - 02:20 AM	50.5	48.8	1.7	4.5	-
02:20 AM - 02:25 AM	50.4	50.8	-0.4	7.0	-
02:25 AM - 02:30 AM	49.3	49.3	0.0	7.0	-
02:30 AM - 02:35 AM	57.6	47.2	10.4	0.5	-
02:35 AM - 02:40 AM	49.8	45.9	3.9	2.0	-
02:40 AM - 02:45 AM	50.4	50.4	0.0	7.0	-
02:45 AM - 02:50 AM	50.3	50.9	-0.6	7.0	-
02:50 AM - 02:55 AM	49.2	61.2	-12.0	7.0	-
02:55 AM - 03:00 AM	51.3	48.6	2.7	3.0	-
03:00 AM - 03:05 AM	54.3	54.4	-0.1	7.0	-
03:05 AM - 03:10 AM	54.6	47.7	6.9	1.0	-
03:10 AM - 03:15 AM	52.2	48.9	3.3	3.0	-
03:15 AM - 03:20 AM	54.1	46.6	7.5	0.5	-
03:20 AM - 03:25 AM	53.9	52.6	1.3	7.0	-
03:25 AM - 03:30 AM	50.5	49.1	1.4	7.0	-
03:30 AM - 03:35 AM	54.6	48.9	5.7	1.5	-
03:35 AM - 03:40 AM	55.6	48.9	6.7	1.0	-
03:40 AM - 03:45 AM	52.4	45.9	6.5	1.0	-

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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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580658-1

TESTING  
No.0042

Sample No. 2314125-15  
Parameter เลื่อนรถขน  
Location อำเภอคลองใหญ่ (GPS 47P 0727204, 1433094)  
Measurement Date Feb 14 - 15, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00233183

Page 1 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขน	ระดับเสียง (dB(A))		ค่าเฉลี่ยการขน
			ผลต่าง	ค่าปรับ	
11:00 AM - 12:00 PM	57.8	49.6	8.2	0.5	-
12:00 PM - 01:00 PM	57.8	49.5	8.3	0.5	-
01:00 PM - 02:00 PM	57.9	49.5	8.4	0.5	-
02:00 PM - 03:00 PM	60.8	50.5	10.3	0.5	-
03:00 PM - 04:00 PM	59.0	51.8	7.2	1.0	-
04:00 PM - 05:00 PM	58.1	54.3	3.8	2.0	-
05:00 PM - 06:00 PM	57.1	54.7	2.4	4.5	-
06:00 PM - 07:00 PM	57.0	54.4	2.6	3.0	-
07:00 PM - 08:00 PM	59.3	55.1	4.2	2.0	-
08:00 PM - 09:00 PM	68.1	54.9	13.2	0.0	-
09:00 PM - 10:00 PM	74.7	54.9	19.8	0.0	-
10:00 PM - 10:05 PM	75.9	54.5	20.9	0.0	-
10:05 PM - 10:10 PM	67.5	54.5	13.0	0.0	-
10:10 PM - 10:15 PM	72.0	54.6	17.4	0.0	-
10:15 PM - 10:20 PM	72.9	54.8	18.1	0.0	-
10:20 PM - 10:25 PM	73.6	54.6	19.0	0.0	-
10:25 PM - 10:30 PM	72.1	54.5	17.6	0.0	-
10:30 PM - 10:35 PM	73.4	54.6	18.8	0.0	-
10:35 PM - 10:40 PM	75.7	54.7	21.0	0.0	-
10:40 PM - 10:45 PM	73.9	54.5	19.4	0.0	-
10:45 PM - 10:50 PM	68.0	54.7	13.3	0.0	-
10:50 PM - 10:55 PM	65.5	54.8	10.7	0.5	-
10:55 PM - 11:00 PM	66.3	54.7	11.6	0.5	-
11:00 PM - 11:05 PM	65.9	54.7	11.2	0.5	-
11:05 PM - 11:10 PM	64.8	54.8	10.0	0.5	-
11:10 PM - 11:15 PM	64.2	54.6	9.6	0.5	-
11:15 PM - 11:20 PM	63.6	54.7	8.9	0.5	-
11:20 PM - 11:25 PM	62.9	54.9	8.4	0.5	-
11:25 PM - 11:30 PM	62.7	54.8	7.9	0.5	-
11:30 PM - 11:35 PM	62.9	55.0	7.9	0.5	-
11:35 PM - 11:40 PM	63.5	54.9	8.6	0.5	-
11:40 PM - 11:45 PM	62.6	54.9	8.3	0.5	-
11:45 PM - 11:50 PM	63.9	55.1	8.8	0.5	-
11:50 PM - 11:55 PM	64.0	54.9	9.1	0.5	-
11:55 PM - 12:00 AM	64.1	58.1	6.0	1.5	-
12:00 AM - 12:05 AM	64.0	55.0	8.9	0.5	-
12:05 AM - 12:10 AM	64.1	54.7	9.4	0.5	-
12:10 AM - 12:15 AM	63.8	54.7	9.1	0.5	-
12:15 AM - 12:20 AM	64.4	54.6	9.8	0.5	-
12:20 AM - 12:25 AM	64.4	54.7	9.7	0.5	-

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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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580657-1

TESTING  
No.0042

Sample No. 2314125-14  
Parameter เลื่อนรถขน  
Location อำเภอคลองใหญ่ (GPS 47P 0727793, 1433011)  
Measurement Date Feb 20 - 21, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 01122579

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เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขน	ระดับเสียง (dB(A))		ค่าเฉลี่ยการขน
			ผลต่าง	ค่าปรับ	
03:45 AM - 03:50 AM	51.1	50.0	1.1	7.0	-
03:50 AM - 03:55 AM	53.8	45.7	8.1	0.5	-
03:55 AM - 04:00 AM	51.5	50.8	0.7	7.0	-
04:00 AM - 04:05 AM	52.8	51.8	1.0	7.0	-
04:05 AM - 04:10 AM	50.8	46.5	4.3	2.0	-
04:10 AM - 04:15 AM	49.7	46.7	3.0	3.0	-
04:15 AM - 04:20 AM	50.8	53.9	-3.1	7.0	-
04:20 AM - 04:25 AM	50.4	49.1	1.3	7.0	-
04:25 AM - 04:30 AM	51.0	47.5	3.5	2.0	-
04:30 AM - 04:35 AM	60.4	57.8	2.6	3.0	-
04:35 AM - 04:40 AM	52.4	46.1	6.3	1.5	-
04:40 AM - 04:45 AM	50.6	51.4	-0.8	7.0	-
04:45 AM - 04:50 AM	51.8	47.8	4.0	2.0	-
04:50 AM - 04:55 AM	52.1	46.8	5.3	1.5	-
04:55 AM - 05:00 AM	55.1	46.4	8.7	0.5	-
05:00 AM - 05:05 AM	57.7	52.6	5.1	1.5	-
05:05 AM - 05:10 AM	56.8	47.1	9.7	0.5	-
05:10 AM - 05:15 AM	55.5	48.6	6.9	1.0	-
05:15 AM - 05:20 AM	56.2	49.4	6.8	1.0	-
05:20 AM - 05:25 AM	57.7	51.5	6.2	1.5	-
05:25 AM - 05:30 AM	56.8	49.8	7.0	1.0	-
05:30 AM - 05:35 AM	53.5	54.1	-0.6	7.0	-
05:35 AM - 05:40 AM	55.0	49.3	5.7	1.5	-
05:40 AM - 05:45 AM	57.4	48.6	8.8	0.5	-
05:45 AM - 05:50 AM	57.4	51.4	6.0	1.5	-
05:50 AM - 05:55 AM	55.3	51.8	3.5	2.0	-
05:55 AM - 06:00 AM	54.4	53.6	0.8	7.0	-
06:00 AM - 07:00 AM	61.1	54.8	6.3	1.5	-
07:00 AM - 08:00 AM	62.2	61.6	0.6	5.0	-
08:00 AM - 09:00 AM	61.4	60.3	1.1	7.0	-
09:00 AM - 10:00 AM	64.3	57.1	7.2	1.0	-
10:00 AM - 11:00 AM	63.6	58.2	5.4	1.5	-

Reference Method :

1. ISO 1996-1

2. ประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงตามระดับเสียงที่เกิดจากการทำงานของเครื่องจักรโรงงาน พ.ศ. 2553

มาตรฐาน

1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการขนถ่ายระดับเสียงที่เกิดจากการทำงานของเครื่องจักรโรงงาน พ.ศ. 2548

2. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการขนถ่ายระดับเสียงที่เกิดจากการทำงานของเครื่องจักรที่เป็นยานพาหนะ พ.ศ. 2561

ระดับเสียงที่ตรวจวัดและระดับเสียงขณะไม่มีการขนถ่าย (Sample No.2295238-2 วันที่ตรวจวัด 31 ธันวาคม 2565-01 มกราคม 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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580658-1

TESTING  
No.0042

Sample No. 2314125-15  
Parameter เลื่อนรถขน  
Location อำเภอคลองใหญ่ (GPS 47P 0727204, 1433094)  
Measurement Date Feb 14 - 15, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00233183

Page 2 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขนถ่าย	ระดับเสียง (dB(A))		ส่วนเกินค่า	ปริมาณเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าคะแนนการขนถ่าย
			ผลต่าง	ส่วนเกินค่า		ค่าจริง	ค่าเฉลี่ย		
12:25 AM - 12:30 AM	63.6	54.7	8.9	0.5	-	66.1	54.3	11.8	
12:30 AM - 12:35 AM	63.6	54.7	8.9	0.5	-	66.1	54.2	11.9	
12:35 AM - 12:40 AM	63.6	54.6	9.0	0.5	-	66.1	54.2	11.9	
12:40 AM - 12:45 AM	63.6	54.6	9.0	0.5	-	66.1	54.2	11.9	
12:45 AM - 12:50 AM	63.4	54.6	8.8	0.5	-	65.9	54.2	11.7	
12:50 AM - 12:55 AM	62.6	54.8	7.8	0.5	-	65.1	54.2	10.9	
12:55 AM - 01:00 AM	66.2	55.6	10.6	0.5	-	68.6	54.3	14.4	
01:00 AM - 01:05 AM	67.4	54.8	12.6	0.0	-	70.4	54.4	16.0	
01:05 AM - 01:10 AM	74.7	54.8	19.9	0.0	-	77.7	54.4	23.3	
01:10 AM - 01:15 AM	73.6	54.8	18.8	0.0	-	76.6	54.4	22.2	
01:15 AM - 01:20 AM	71.3	54.7	16.6	0.0	-	74.3	54.3	20.0	
01:20 AM - 01:25 AM	75.1	54.7	20.4	0.0	-	78.1	54.2	23.9	
01:25 AM - 01:30 AM	75.0	54.5	20.5	0.0	-	78.0	54.1	23.9	
01:30 AM - 01:35 AM	68.9	54.6	14.3	0.0	-	71.9	54.2	17.7	
01:35 AM - 01:40 AM	74.7	54.7	20.0	0.0	-	77.7	54.3	23.4	
01:40 AM - 01:45 AM	67.3	54.8	12.5	0.0	-	70.3	54.4	15.9	
01:45 AM - 01:50 AM	74.9	54.7	20.2	0.0	-	77.9	54.3	23.6	
01:50 AM - 01:55 AM	71.1	54.8	16.3	0.0	-	74.1	54.4	19.7	
01:55 AM - 02:00 AM	75.6	54.9	20.7		-	78.6	54.5	24.1	
02:00 AM - 02:05 AM	67.8	54.9	12.9	0.0	-	70.8	54.5	16.3	
02:05 AM - 02:10 AM	76.9	54.8	22.1	0.0	-	79.9	54.4	25.5	
02:10 AM - 02:15 AM	68.2	54.8	13.4	0.0	-	71.2	54.4	16.8	
02:15 AM - 02:20 AM	76.2	54.7	21.5	0.0	-	79.2	54.3	24.9	
02:20 AM - 02:25 AM	71.7	54.9	16.8	0.0	-	74.7	54.4	20.1	
02:25 AM - 02:30 AM	76.2	54.9	21.3	0.0	-	79.2	54.4	24.8	
02:30 AM - 02:35 AM	72.4	54.9	17.5	0.0	-	75.4	54.4	21.0	
02:35 AM - 02:40 AM	69.3	55.0	14.3	0.0	-	72.3	54.3	18.0	
02:40 AM - 02:45 AM	76.7	54.9	21.7	0.0	-	79.7	54.5	25.2	
02:45 AM - 02:50 AM	65.2	54.9	10.3	0.5	-	67.7	54.4	13.3	
02:50 AM - 02:55 AM	67.3	54.7	12.6	0.0	-	70.3	54.3	16.0	
02:55 AM - 03:00 AM	67.0	54.7	12.3	0.5	-	69.5	54.3	15.2	
03:00 AM - 03:05 AM	67.0	54.7	12.3	0.5	-	69.5	54.3	15.2	
03:05 AM - 03:10 AM	77.9	54.8	23.1	0.0	-	80.9	54.3	26.6	
03:10 AM - 03:15 AM	76.2	54.7	21.5	0.0	-	79.2	54.2	25.0	
03:15 AM - 03:20 AM	71.8	54.7	17.1	0.0	-	74.8	54.3	20.5	
03:20 AM - 03:25 AM	71.9	54.8	17.1	0.0	-	74.9	54.4	20.5	
03:25 AM - 03:30 AM	68.4	54.8	13.6	0.0	-	71.4	54.3	17.1	
03:30 AM - 03:35 AM	67.9	54.8	13.1	0.0	-	70.9	54.4	16.5	
03:35 AM - 03:40 AM	77.3	54.8	22.5	0.0	-	80.3	54.3	26.0	
03:40 AM - 03:45 AM	72.3	54.8	17.5	0.0	-	75.3	54.3	21.0	





## 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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580659-1



TESTING  
No.0042

Page 3 of 3

Sample No. 2314125-15  
Parameter เสียงรบกวน  
Location ตำบลบ้านคลองโคกกรวย (GPS 47P 0727204, 1433094)  
Measurement Date Feb 14 - 15, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00233183

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนไม่มีการรบกวน	ผลต่าง	ค่าปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับการรบกวน
					ค่าจริง	ค่าปรับ		
03:45 AM - 03:50 AM	67.9	54.6	13.3	0.0	-	70.9	54.2	16.7
03:50 AM - 03:55 AM	76.6	54.7	21.9	0.0	-	79.6	54.2	25.4
03:55 AM - 04:00 AM	77.7	54.7	23.0	0.0	-	80.7	54.3	26.4
04:00 AM - 04:05 AM	67.5	54.7	12.8	0.0	-	70.5	54.2	16.3
04:05 AM - 04:10 AM	76.9	54.6	22.3	0.0	-	79.9	54.3	25.6
04:10 AM - 04:15 AM	77.6	54.6	23.0	0.0	-	80.6	54.2	26.4
04:15 AM - 04:20 AM	67.9	54.7	13.2	0.0	-	70.9	54.2	16.7
04:20 AM - 04:25 AM	76.7	54.7	22.0	0.0	-	79.7	54.3	25.4
04:25 AM - 04:30 AM	77.7	54.7	23.0	0.0	-	80.7	54.2	26.5
04:30 AM - 04:35 AM	68.7	54.7	14.0	0.0	-	71.7	54.3	17.4
04:35 AM - 04:40 AM	65.3	54.6	10.7	0.5	-	67.8	54.2	13.6
04:40 AM - 04:45 AM	63.5	54.7	8.8	0.5	-	66.0	54.3	11.7
04:45 AM - 04:50 AM	62.4	54.7	7.7	0.5	-	64.9	54.3	10.6
04:50 AM - 04:55 AM	63.3	54.8	8.5	0.5	-	65.8	54.4	11.4
04:55 AM - 05:00 AM	63.2	55.5	7.7	0.5	-	65.7	54.3	11.4
05:00 AM - 05:05 AM	63.2	54.6	8.6	0.5	-	65.7	54.2	11.5
05:05 AM - 05:10 AM	63.2	54.6	8.6	0.5	-	65.7	54.2	11.5
05:10 AM - 05:15 AM	62.6	54.8	7.8	0.5	-	65.1	54.4	10.7
05:15 AM - 05:20 AM	63.0	54.7	8.3	0.5	-	65.5	54.3	11.2
05:20 AM - 05:25 AM	75.5	55.0	20.5	0.0	-	78.5	54.3	24.2
05:25 AM - 05:30 AM	76.8	55.2	21.6	0.0	-	79.8	54.4	25.4
05:30 AM - 05:35 AM	70.9	54.8	16.1	0.0	-	73.9	54.4	19.5
05:35 AM - 05:40 AM	75.8	54.8	21.0	0.0	-	78.8	54.3	24.5
05:40 AM - 05:45 AM	76.6	54.8	21.8	0.0	-	79.6	54.4	25.2
05:45 AM - 05:50 AM	71.7	54.8	16.9	0.0	-	74.7	54.2	20.4
05:50 AM - 05:55 AM	75.3	54.9	20.4	0.0	-	78.3	54.4	23.9
05:55 AM - 06:00 AM	76.4	54.8	21.6	0.0	-	79.4	54.4	25.0
06:00 AM - 06:05 AM	74.3	54.9	19.4	0.0	-	74.3	54.4	19.9
06:05 AM - 06:10 AM	73.9	54.6	19.3	0.0	-	73.9	54.4	19.5
06:10 AM - 06:15 AM	71.3	52.4	18.9	0.0	-	71.3	50.8	20.5
06:15 AM - 06:20 AM	71.6	50.7	20.9	0.0	-	71.6	49.1	22.5
06:20 AM - 06:25 AM	72.3	49.9	22.4	0.0	-	72.3	48.8	23.5
06:25 AM - 06:30 AM								≤ 10

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

หมายเหตุ :  
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่ามาตรฐานเสียงรบกวนเฉลี่ยที่เกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561  
2. ปรับค่าเสียงจากแหล่งกำเนิด จากตารางวัด วันที่ 14-15 กุมภาพันธ์ 2566  
ระดับเสียงพื้นฐานและระดับเสียงรบกวนไม่มีการรบกวน (Sample No.2295238-3 วันที่ตรวจวัด 31 ธันวาคม 2565-01 มกราคม 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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580659-1



TESTING  
No.0042

Page 2 of 3

Sample No. 2314125-16  
Parameter เสียงรบกวน  
Location ตำบลบ้านคลองโคกกรวย (GPS 47P 0727204, 1433094)  
Measurement Date Feb 15 - 16, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00233183

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนไม่มีการรบกวน	ผลต่าง	ค่าปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับการรบกวน
					ค่าจริง	ค่าปรับ		
12:25 AM - 12:30 AM	62.8	54.7	8.2	0.5	-	65.4	54.3	11.1
12:30 AM - 12:35 AM	62.8	54.7	8.1	0.5	-	65.3	54.2	11.1
12:35 AM - 12:40 AM	62.8	54.6	8.2	0.5	-	65.3	54.2	11.1
12:40 AM - 12:45 AM	63.0	54.6	8.4	0.5	-	65.5	54.2	11.3
12:45 AM - 12:50 AM	63.0	54.6	8.4	0.5	-	65.5	54.2	11.3
12:50 AM - 12:55 AM	62.8	54.8	8.0	0.5	-	65.3	54.2	11.1
12:55 AM - 01:00 AM	76.5	55.6	20.9	0.0	-	79.5	54.3	25.2
01:00 AM - 01:05 AM	71.2	54.8	16.4	0.0	-	74.2	54.4	19.8
01:05 AM - 01:10 AM	68.1	54.8	13.3	0.0	-	71.1	54.4	16.7
01:10 AM - 01:15 AM	77.1	54.8	22.3	0.0	-	80.1	54.4	25.7
01:15 AM - 01:20 AM	70.3	54.7	15.6	0.0	-	73.3	54.3	19.0
01:20 AM - 01:25 AM	72.1	54.7	17.4	0.0	-	75.1	54.2	20.9
01:25 AM - 01:30 AM	76.2	54.5	21.7	0.0	-	79.2	54.1	25.1
01:30 AM - 01:35 AM	77.7	54.6	23.1	0.0	-	80.7	54.2	26.5
01:35 AM - 01:40 AM	71.5	54.7	16.8	0.0	-	74.5	54.3	20.2
01:40 AM - 01:45 AM	67.5	54.8	12.7	0.0	-	70.5	54.4	16.1
01:45 AM - 01:50 AM	68.6	54.7	13.9	0.0	-	71.6	54.3	17.3
01:50 AM - 01:55 AM	74.7	54.8	19.9	0.0	-	77.7	54.4	23.3
01:55 AM - 02:00 AM	77.6	54.9	22.7	0.0	-	80.6	54.5	26.1
02:00 AM - 02:05 AM	71.2	54.9	16.3	0.0	-	74.2	54.5	19.7
02:05 AM - 02:10 AM	67.5	54.8	12.7	0.0	-	70.5	54.4	16.1
02:10 AM - 02:15 AM	78.2	54.8	23.4	0.0	-	81.2	54.4	26.8
02:15 AM - 02:20 AM	75.4	54.7	20.7	0.0	-	78.4	54.3	24.1
02:20 AM - 02:25 AM	67.4	54.9	12.5	0.0	-	70.4	54.4	16.0
02:25 AM - 02:30 AM	76.8	54.9	21.9	0.0	-	79.8	54.4	25.4
02:30 AM - 02:35 AM	77.2	54.9	22.3	0.0	-	80.2	54.4	25.8
02:35 AM - 02:40 AM	71.3	55.0	16.3	0.0	-	74.3	54.3	20.0
02:40 AM - 02:45 AM	77.6	55.0	22.6	0.0	-	80.6	54.5	26.1
02:45 AM - 02:50 AM	69.4	54.9	14.5	0.0	-	72.4	54.2	18.2
02:50 AM - 02:55 AM	68.8	54.7	14.1	0.0	-	71.8	54.3	17.5
02:55 AM - 03:00 AM	79.3	54.7	24.6	0.0	-	82.3	54.3	28.0
03:00 AM - 03:05 AM	73.4	54.7	18.7	0.0	-	76.4	54.3	22.1
03:05 AM - 03:10 AM	67.6	54.8	12.8	0.0	-	70.6	54.3	16.3
03:10 AM - 03:15 AM	75.8	54.7	21.1	0.0	-	78.8	54.2	24.6
03:15 AM - 03:20 AM	68.1	54.7	13.4	0.0	-	71.1	54.3	16.8
03:20 AM - 03:25 AM	69.3	54.8	14.5	0.0	-	72.3	54.4	17.9
03:25 AM - 03:30 AM	67.8	54.8	13.0	0.0	-	70.8	54.3	16.5
03:30 AM - 03:35 AM	76.4	54.8	21.6	0.0	-	79.4	54.4	25.0
03:35 AM - 03:40 AM	71.4	54.8	16.6	0.0	-	74.4	54.3	20.1
03:40 AM - 03:45 AM	67.9	54.7	13.2	0.0	-	70.9	54.3	16.6

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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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580659-1



TESTING  
No.0042

Page 1 of 3

Sample No. 2314125-16  
Parameter เสียงรบกวน  
Location ตำบลบ้านคลองโคกกรวย (GPS 47P 0727204, 1433094)  
Measurement Date Feb 15 - 16, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00233183

ระดับเสียง (dB(A))								
เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนไม่มีการรบกวน	ผลต่าง	ค่าปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับการรบกวน
	ค่าจริง	ไม่มีการรบกวน	ผลต่าง	ค่าปรับค่า	ค่าจริง	ค่าปรับค่า	ค่าจริง	การรบกวน
11:00 AM - 12:00 PM	72.4	49.6	22.8	0.0	-	72.4	48.3	24.1
12:00 PM - 01:00 PM	61.4	49.5	11.9	0.5	-	60.9	48.3	12.6
01:00 PM - 02:00 PM	60.9	49.5	11.4	0.5	-	60.4	48.3	12.2
02:00 PM - 03:00 PM	59.2	50.3	8.9	0.5	-	58.7	48.7	10.0
03:00 PM - 04:00 PM	58.6	51.8	6.8	1.0	-	57.6	50.8	6.8
04:00 PM - 05:00 PM	58.9	54.3	4.6	1.5	-	57.4	53.2	4.2
05:00 PM - 06:00 PM	57.5	54.7	2.8	3.0	-	54.5	54.0	0.5
06:00 PM - 07:00 PM	57.4	54.4	3.0	3.0	-	54.4	53.9	0.5
07:00 PM - 08:00 PM	60.4	55.1	5.3	1.5	-	58.9	54.0	4.9
08:00 PM - 09:00 PM	72.3	54.9	17.4	0.0	-	72.3	54.2	18.1
09:00 PM - 10:00 PM	72.4	54.9	17.5	0.0	-	72.4	54.5	17.9
10:00 PM - 10:05 PM	76.8	54.6	22.2	0.0	-	79.8	54.2	25.6
10:05 PM - 10:10 PM	77.3	54.5	22.8	0.0	-	80.3	54.0	26.3
10:10 PM - 10:15 PM	70.3	54.6	15.7	0.0	-	73.3	54.1	19.2
10:15 PM - 10:20 PM	75.4	54.8	20.6	0.0	-	78.4	54.1	24.3
10:20 PM - 10:25 PM	77.2	54.6	22.6	0.0	-	80.2	54.2	26.0
10:25 PM - 10:30 PM	70.3	54.5	15.8	0.0	-	73.3	54.1	19.2
10:30 PM - 10:35 PM	75.3	54.6	20.7	0.0	-	78.3	54.1	24.2
10:35 PM - 10:40 PM	77.2	54.7	22.5	0.0	-	80.2	54.2	26.0
10:40 PM - 10:45 PM	70.4	54.5	15.9	0.0	-	73.4	54.0	19.4
10:45 PM - 10:50 PM	74.4	54.7	19.7	0.0	-	77.4	54.2	23.2
10:50 PM - 10:55 PM	77.1	54.8	22.3	0.0	-	80.1	54.2	25.9
10:55 PM - 11:00 PM	73.7	54.7	19.0	0.0	-	76.7	54.2	22.5
11:00 PM - 11:05 PM	75.5	54.7	20.8	0.0	-	78.5	54.2	24.3
11:05 PM - 11:10 PM	67.6	54.8	12.8	0.0	-	70.6	54.2	16.4
11:10 PM - 11:15 PM	76.0	54.6	21.4	0.0	-	79.0	54.2	24.8
11:15 PM - 11:20 PM	69.7	54.7	15.0	0.0	-	72.7	54.2	18.5
11:20 PM - 11:25 PM	68.1	54.9	13.2	0.0	-	71.1	54.4	16.7
11:25 PM - 11:30 PM	74.1	54.8	19.3	0.0	-	77.1	54.4	22.7
11:30 PM - 11:35 PM	75.2	55.0	20.2	0.0	-	78.2	54.4	23.8
11:35 PM - 11:40 PM	67.6	54.7	12.9	0.0	-	70.6	54.2	16.2
11:40 PM - 11:45 PM	64.2	54.9	9.3	0.5	-	66.7	54.4	12.3
11:45 PM - 11:50 PM	63.6	55.1	8.5	0.5	-	66.1	54.5	11.6
11:50 PM - 11:55 PM	63.0	54.9	8.1	0.5	-	65.5	54.3	11.2
11:55 PM - 12:00 AM	62.4	54.3	8.1	2.0	-	63.4	54.4	8.8
12:00 AM - 12:05 AM	62.6	55.0	7.6	0.5	-	65.1	54.3	10.8
12:05 AM - 12:10 AM	62.5	54.7	7.8	0.5	-	65.0	54.3	10.7
12:10 AM - 12:15 AM	63.2	54.7	8.5	0.5	-	65.7	54.3	11.4
12:15 AM - 12:20 AM	62.9	54.6	8.3	0.5	-	65.4	54.3	11.2
12:20 AM - 12:25 AM	62.6	54.7	7.9	0.5	-	65.1	54.3	10.8



## Analysis / Test Report

Client : UACI (Thailand) Co., Ltd.  
7/352 Moo 6, Amata City Industrial Estate, T. Mabangporm, A. Pluakdaeng, Rayong  
Thailand 21140  
P/O : 4500022918  
Project Name : Monitoring  
Project Location :



TESTING  
No.0042

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580660-1

Sample No. 2314125-17  
Parameter เสียงรบกวน  
Location ตำบลวังใหม่ อ.เมือง จ.ระยอง (GPS 47P 0727204, 1433094)  
Measurement Date Feb 16 - 17, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00233183

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับการรบกวน
			ผลต่าง	ตัวปรับค่า	ค่าจริง	ค่าปรับ		
11:00 AM - 12:00 PM	55.8	49.6	6.2	1.5	54.3	-	48.3	6.0
12:00 PM - 01:00 PM	54.7	49.5	5.2	1.5	53.2	-	48.3	4.9
01:00 PM - 02:00 PM	59.9	49.5	10.4	0.5	59.4	-	48.2	11.2
02:00 PM - 03:00 PM	70.4	50.3	20.1	0.0	70.4	-	48.7	21.7
03:00 PM - 04:00 PM	74.2	51.8	22.4	0.0	74.2	-	50.8	23.4
04:00 PM - 05:00 PM	72.6	54.3	18.3	0.0	72.6	-	53.2	19.4
05:00 PM - 06:00 PM	72.2	54.7	17.5	0.0	72.2	-	54.0	18.2
06:00 PM - 07:00 PM	69.8	54.4	15.4	0.0	69.8	-	53.9	15.9
07:00 PM - 08:00 PM	69.5	55.1	14.4	0.0	69.5	-	54.0	15.5
08:00 PM - 09:00 PM	61.9	54.9	7.0	1.0	60.9	-	54.2	6.7
09:00 PM - 10:00 PM	62.0	54.9	7.1	1.0	61.0	-	54.5	6.5
10:00 PM - 10:55 PM	61.6	54.6	7.0	1.0	-	63.6	54.2	9.4
10:55 PM - 11:00 PM	61.3	54.5	6.8	1.0	-	63.3	54.0	9.3
11:00 PM - 11:05 PM	61.5	54.6	6.9	1.0	-	63.5	54.1	9.4
11:05 PM - 11:10 PM	61.1	54.6	6.5	1.5	-	62.6	54.1	8.5
11:10 PM - 11:15 PM	61.2	54.6	6.6	1.0	-	63.2	54.2	9.0
11:15 PM - 11:20 PM	61.6	54.5	7.1	1.0	-	63.6	54.1	9.5
11:20 PM - 11:25 PM	61.5	54.6	6.9	1.0	-	63.5	54.1	9.4
11:25 PM - 11:30 PM	61.8	54.7	7.1	1.0	-	63.8	54.2	9.6
11:30 PM - 11:35 PM	61.1	54.5	6.6	1.0	-	63.1	54.0	9.1
11:35 PM - 11:40 PM	61.3	54.7	6.6	1.0	-	63.3	54.2	9.1
11:40 PM - 11:45 PM	61.6	54.8	6.8	1.0	-	63.6	54.2	9.4
11:45 PM - 11:50 PM	61.8	54.7	7.1	1.0	-	63.8	54.2	9.6
11:50 PM - 11:55 PM	62.7	54.7	8.0	0.5	-	63.2	54.2	11.7
11:55 PM - 12:00 AM	61.2	54.8	6.4	1.5	-	62.7	54.2	8.5
12:00 AM - 12:05 AM	61.6	54.6	7.0	1.0	-	63.6	54.2	9.4
12:05 AM - 12:10 AM	61.2	54.7	6.5	1.0	-	63.2	54.2	9.0
12:10 AM - 12:15 AM	61.2	54.9	6.0	1.5	-	62.7	54.4	8.3
12:15 AM - 12:20 AM	61.5	54.8	6.7	1.0	-	63.5	54.4	9.1
12:20 AM - 12:25 AM	61.0	55.0	6.0	1.5	-	62.5	54.4	8.1
12:25 AM - 12:30 AM	60.9	54.9	6.0	1.5	-	62.4	54.4	8.0
12:30 AM - 12:35 AM	60.5	54.9	5.6	1.0	-	62.0	54.4	7.6
12:35 AM - 12:40 AM	61.1	55.1	6.0	1.5	-	62.6	54.5	8.1
12:40 AM - 12:45 AM	60.4	54.9	5.5	1.5	-	61.9	54.3	7.6
12:45 AM - 12:50 AM	60.4	58.1	2.3	4.5	-	58.9	54.2	4.3
12:50 AM - 12:55 AM	60.9	55.0	5.9	1.5	-	62.4	54.3	8.1
12:55 AM - 1:00 AM	60.9	54.7	6.2	1.5	-	62.4	54.3	8.1
1:00 AM - 1:05 AM	60.8	54.7	6.1	1.5	-	62.3	54.3	8.0
1:05 AM - 1:10 AM	60.9	54.6	6.3	1.5	-	62.4	54.2	8.2
1:10 AM - 1:15 AM	60.8	54.7	6.1	1.5	-	62.3	54.3	8.0

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## Analysis / Test Report

Client : UACI (Thailand) Co., Ltd.  
7/352 Moo 6, Amata City Industrial Estate, T. Mabangporm, A. Pluakdaeng, Rayong  
Thailand 21140  
P/O : 4500022918  
Project Name : Monitoring  
Project Location :



TESTING  
No.0042

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580660-1

Sample No. 2314125-17  
Parameter เสียงรบกวน  
Location ตำบลวังใหม่ อ.เมือง จ.ระยอง (GPS 47P 0727204, 1433094)  
Measurement Date Feb 16 - 17, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00233183

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับการรบกวน
			ผลต่าง	ตัวปรับค่า	ค่าจริง	ค่าปรับ		
12:25 AM - 12:30 AM	61.0	54.7	6.3	1.5	-	62.5	54.3	8.2
12:30 AM - 12:35 AM	61.3	54.7	6.6	1.0	-	63.3	54.2	9.1
12:35 AM - 12:40 AM	61.3	54.6	6.7	1.0	-	63.3	54.2	9.1
12:40 AM - 12:45 AM	61.3	54.6	6.7	1.0	-	63.3	54.2	9.1
12:45 AM - 12:50 AM	66.0	54.6	11.4	1.0	-	64.0	54.2	9.8
12:50 AM - 12:55 AM	66.1	54.8	11.3	0.5	-	68.6	54.2	14.4
12:55 AM - 01:00 AM	65.4	55.6	9.8	0.5	-	67.9	54.3	13.6
01:00 AM - 01:05 AM	70.3	54.8	15.5	0.0	-	70.3	54.4	18.9
01:05 AM - 01:10 AM	67.0	54.8	12.2	0.5	-	69.5	54.4	15.1
01:10 AM - 01:15 AM	63.3	54.8	8.5	0.5	-	65.8	54.4	11.4
01:15 AM - 01:20 AM	70.6	54.7	15.9	0.0	-	70.6	54.3	19.3
01:20 AM - 01:25 AM	63.3	54.7	8.6	0.5	-	65.8	54.4	11.6
01:25 AM - 01:30 AM	66.6	54.5	12.1	0.5	-	69.1	54.1	15.0
01:30 AM - 01:35 AM	69.1	54.6	14.5	0.0	-	72.1	54.2	17.9
01:35 AM - 01:40 AM	69.4	54.7	14.7	0.0	-	72.4	54.3	18.1
01:40 AM - 01:45 AM	74.1	54.8	19.3	0.0	-	77.1	54.4	22.7
01:45 AM - 01:50 AM	62.8	54.7	8.1	0.5	-	65.3	54.3	11.0
01:50 AM - 01:55 AM	73.7	54.8	18.9	0.0	-	76.7	54.4	22.3
01:55 AM - 02:00 AM	72.0	54.9	17.1	0.0	-	75.0	54.5	20.5
02:00 AM - 02:05 AM	72.2	54.9	17.3	0.0	-	75.2	54.5	20.7
02:05 AM - 02:10 AM	62.8	54.8	8.0	0.5	-	65.3	54.4	10.9
02:10 AM - 02:15 AM	74.1	54.8	19.3	0.0	-	77.1	54.4	22.7
02:15 AM - 02:20 AM	62.2	54.7	7.5	0.5	-	64.7	54.3	10.4
02:20 AM - 02:25 AM	73.6	54.9	18.7	0.0	-	76.6	54.4	22.2
02:25 AM - 02:30 AM	69.5	54.9	14.6	0.0	-	72.5	54.4	18.1
02:30 AM - 02:35 AM	72.1	54.9	17.2	0.0	-	75.1	54.4	20.7
02:35 AM - 02:40 AM	70.3	55.0	15.3	0.0	-	73.3	54.2	19.0
02:40 AM - 02:45 AM	71.7	55.0	16.7	0.0	-	74.7	54.5	20.2
02:45 AM - 02:50 AM	75.0	54.9	20.1	0.0	-	78.0	54.4	23.6
02:50 AM - 02:55 AM	62.9	54.7	8.2	0.5	-	65.4	54.3	11.1
02:55 AM - 03:00 AM	78.2	54.7	23.5	0.0	-	81.2	54.3	26.9
03:00 AM - 03:05 AM	63.3	54.7	8.6	0.5	-	65.0	54.3	11.3
03:05 AM - 03:10 AM	73.6	54.8	18.8	0.0	-	76.6	54.3	22.3
03:10 AM - 03:15 AM	70.1	54.7	15.4	0.0	-	73.1	54.2	18.9
03:15 AM - 03:20 AM	63.1	54.7	8.4	0.5	-	65.6	54.3	11.3
03:20 AM - 03:25 AM	73.6	54.8	18.8	0.0	-	76.6	54.4	22.2
03:25 AM - 03:30 AM	76.9	54.8	22.1	0.0	-	79.9	54.3	25.6
03:30 AM - 03:35 AM	75.9	54.8	21.1	0.0	-	78.9	54.4	24.5
03:35 AM - 03:40 AM	72.7	54.8	7.9	0.5	-	65.2	54.3	10.9
03:40 AM - 03:45 AM	77.5	54.7	22.8	0.0	-	80.5	54.3	26.2

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## Analysis / Test Report

Client : UACI (Thailand) Co., Ltd.  
7/352 Moo 6, Amata City Industrial Estate, T. Mabangporm, A. Pluakdaeng, Rayong  
Thailand 21140  
P/O : 4500022918  
Project Name : Monitoring  
Project Location :



TESTING  
No.0042

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580660-1

Sample No. 2314125-17  
Parameter เสียงรบกวน  
Location ตำบลวังใหม่ อ.เมือง จ.ระยอง (GPS 47P 0727204, 1433094)  
Measurement Date Feb 16 - 17, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00233183

เวลา	ระดับเสียง (dB(A))				ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับการรบกวน
	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ผลต่างระดับเสียง	ตัวปรับค่า	ค่าจริง	ค่าปรับ		
03:45 AM - 03:50 AM	71.3	54.6	16.7	0.0	-	74.3	54.2	20.1
03:50 AM - 03:55 AM	75.3	54.7	20.6	0.0	-	78.3	54.2	25.1
03:55 AM - 04:00 AM	62.2	54.7	7.5	0.5	-	64.7	54.3	10.4
04:00 AM - 04:05 AM	61.1	54.7	6.4	1.5	-	62.6	54.2	8.4
04:05 AM - 04:10 AM	73.9	54.6	19.3	0.0	-	76.9	54.3	22.6
04:10 AM - 04:15 AM	74.0	54.6	19.4	0.0	-	77.0	54.2	22.8
04:15 AM - 04:20 AM	69.6	54.7	14.9	0.0	-	72.6	54.2	18.4
04:20 AM - 04:25 AM	63.3	54.7	8.6	0.5	-	65.8	54.3	11.5
04:25 AM - 04:30 AM	74.4	54.7	19.7	0.0	-	77.4	54.2	23.2
04:30 AM - 04:35 AM	61.9	54.7	7.2	1.0	-	63.9	54.3	9.6
04:35 AM - 04:40 AM	60.9	54.6	6.3	1.5	-	62.4	54.2	8.2
04:40 AM - 04:45 AM	77.4	54.7	22.7	0.0	-	80.4	54.3	26.1
04:45 AM - 04:50 AM	75.1	54.7	20.4	0.0	-	78.1	54.3	23.8
04:50 AM - 04:55 AM	76.0	54.8	21.2	0.0	-	79.0	54.4	24.6
04:55 AM - 05:00 AM	75.1	55.5	19.6	0.0	-	78.1	54.3	23.8
05:00 AM - 05:05 AM	62.3	54.6	7.7	0.5	-	64.8	54.2	10.6
05:05 AM - 05:10 AM	62.7	54.6	7.6	0.5	-	64.7	54.2	10.5
05:10 AM - 05:15 AM	75.2	54.8	20.4	0.0	-	78.2	54.4	23.8
05:15 AM - 05:20 AM	62.5	54.7	7.8	0.5	-	65.0	54.3	10.7
05:20 AM - 05:25 AM	73.9	55.0	18.9	0.0	-	76.9	54.3	22.6
05:25 AM - 05:30 AM	63.4	55.2	8.2	0.5	-	65.9	54.4	11.5
05:30 AM - 05:35 AM	70.5	54.8	15.7	0.0	-	73.5	54.4	19.1
05:35 AM - 05:40 AM	73.4	54.8	18.6	0.0	-	76.4	54.3	22.1
05:40 AM - 05:45 AM	62.5	54.8	7.7	0.5	-	65.0	54.4	10.6
05:45 AM - 05:50 AM	73.7	54.8	18.9	0.0	-	76.7	54.3	22.4
05:50 AM - 05:55 AM	63.0	54.8	8.1	0.5	-	65.5	54.4	11.1
05:55 AM - 06:00 AM	77.0	54.8	22.2	0.0	-	80.0	54.4	25.6
06:00 AM - 07:00 AM	73.1	54.9	18.2	0.0	73.1	-	54.4	18.7
07:00 AM - 08:00 AM	72.1	55.3	16.8	0.0	72.1	-	54.4	17.7
08:00 AM - 09:00 AM	70.4	58.0	17.6	0.0	70.4	-	54.8	19.6
09:00 AM - 10:00 AM	73.7	50.7	23.0	0.0	73.7	-	49.1	24.6
10:00 AM - 11:00 AM	75.5	49.9	25.6	0.0	75.5	-	48.8	26.7



## 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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580661-1

TESTING  
No.0042

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Sample No. 2314125-18  
Parameter เสียงรบกวน  
Location ตำบลห้วยหินลาดโคก (GPS 47P 0727204, 1433094)  
Measurement Date Feb 17 - 18, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00233183

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		ค่าปรับเนื่องจากแหล่งกำเนิดต่างกัน	เสียงที่รบกวน	ค่าการรบกวน	
			ผลต่างระดับเสียง	ตัวปรับค่า				
12:25 AM - 12:30 AM	63.3	54.7	8.6	0.5	-	65.8	54.3	11.5
12:30 AM - 12:35 AM	62.3	54.7	7.6	0.5	-	64.8	54.2	10.6
12:35 AM - 12:40 AM	62.5	54.6	7.9	0.5	-	65.0	54.2	10.8
12:40 AM - 12:45 AM	62.0	54.6	7.4	1.0	-	64.0	54.2	9.8
12:45 AM - 12:50 AM	62.3	54.6	7.7	0.5	-	64.8	54.2	10.6
12:50 AM - 12:55 AM	62.5	54.8	7.7	0.5	-	65.0	54.2	10.8
12:55 AM - 01:00 AM	62.5	55.6	6.9	1.0	-	64.5	54.3	10.2
01:00 AM - 01:05 AM	65.8	54.8	11.0	0.5	-	66.3	54.4	13.9
01:05 AM - 01:10 AM	65.5	54.8	10.7	0.5	-	66.0	54.3	13.6
01:10 AM - 01:15 AM	76.5	54.8	21.7	0.0	-	79.5	54.4	25.1
01:15 AM - 01:20 AM	64.7	54.7	10.0	0.5	-	67.2	54.3	12.9
01:20 AM - 01:25 AM	63.4	54.7	8.7	0.5	-	65.9	54.2	11.7
01:25 AM - 01:30 AM	63.1	54.5	8.6	0.5	-	65.6	54.1	11.5
01:30 AM - 01:35 AM	62.9	54.6	8.3	0.5	-	65.4	54.2	11.2
01:35 AM - 01:40 AM	62.6	54.7	7.9	0.5	-	65.1	54.3	10.8
01:40 AM - 01:45 AM	62.7	54.8	7.9	0.5	-	65.2	54.4	10.8
01:45 AM - 01:50 AM	62.8	54.7	8.1	0.5	-	65.3	54.3	11.0
01:50 AM - 01:55 AM	62.7	54.8	7.9	0.5	-	65.2	54.4	10.8
01:55 AM - 02:00 AM	62.7	54.9	7.8	0.5	-	65.2	54.5	10.7
02:00 AM - 02:05 AM	62.4	54.9	7.5	0.5	-	64.9	54.5	10.4
02:05 AM - 02:10 AM	62.5	54.8	7.7	0.5	-	65.0	54.4	10.6
02:10 AM - 02:15 AM	62.5	54.8	7.7	0.5	-	65.0	54.4	10.6
02:15 AM - 02:20 AM	62.4	54.7	7.7	0.5	-	64.9	54.3	10.6
02:20 AM - 02:25 AM	62.5	54.9	7.6	0.5	-	65.0	54.4	10.6
02:25 AM - 02:30 AM	62.6	54.9	7.7	0.5	-	65.1	54.4	10.7
02:30 AM - 02:35 AM	62.8	54.9	7.9	0.5	-	65.3	54.4	10.9
02:35 AM - 02:40 AM	62.8	55.0	7.8	0.5	-	65.2	54.3	11.0
02:40 AM - 02:45 AM	65.4	55.0	10.4	0.5	-	67.9	54.5	13.4
02:45 AM - 02:50 AM	66.6	54.9	11.7	0.5	-	69.1	54.4	14.7
02:50 AM - 02:55 AM	75.6	54.7	20.9	0.0	-	78.6	54.3	24.3
02:55 AM - 03:00 AM	71.3	54.7	16.6	0.0	-	74.3	54.3	20.0
03:00 AM - 03:05 AM	74.9	54.7	20.2	0.0	-	77.9	54.3	23.6
03:05 AM - 03:10 AM	72.9	54.8	18.1	0.0	-	75.9	54.3	21.6
03:10 AM - 03:15 AM	75.4	54.7	20.7	0.0	-	78.4	54.2	24.2
03:15 AM - 03:20 AM	71.1	54.7	16.4	0.0	-	74.1	54.3	19.8
03:20 AM - 03:25 AM	72.7	54.8	17.9	0.0	-	75.7	54.4	21.3
03:25 AM - 03:30 AM	74.6	54.8	19.8	0.0	-	77.6	54.3	23.3
03:30 AM - 03:35 AM	67.0	54.8	12.2	0.5	-	69.5	54.4	15.1
03:35 AM - 03:40 AM	75.7	54.8	20.9	0.0	-	78.7	54.3	24.4
03:40 AM - 03:45 AM	71.1	54.7	16.4	0.0	-	74.1	54.3	19.8

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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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580661-1

TESTING  
No.0042

Page 1 of 3

Sample No. 2314125-19  
Parameter เสียงรบกวน  
Location ตำบลห้วยหินลาดโคก (GPS 47P 0727204, 1433094)  
Measurement Date Feb 18 - 19, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00233183

เวลา	ระดับเสียง (dB(A))					เสียงที่รบกวน	การรบกวน	
	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ผลต่างระดับเสียง	ค่าปรับ	ปรับค่าเสียงจากแหล่งกำเนิด			
			ผลต่าง	ค่าปรับ	ผลการวัด			
11:00 AM - 12:00 PM	70.0	49.6	20.4	0.0	70.0	-	48.3	21.7
12:00 PM - 01:00 PM	57.2	49.5	7.7	0.5	56.7	-	48.3	8.4
01:00 PM - 02:00 PM	59.0	49.5	9.5	0.5	58.5	-	48.2	10.3
02:00 PM - 03:00 PM	57.6	50.3	7.3	1.0	56.6	-	48.7	7.9
03:00 PM - 04:00 PM	56.4	51.8	4.6	1.5	54.9	-	50.8	4.1
04:00 PM - 05:00 PM	57.3	54.0	3.3	3.0	54.3	-	54.2	1.1
05:00 PM - 06:00 PM	73.0	54.7	18.3	0.0	73.0	-	54.0	19.0
06:00 PM - 07:00 PM	76.4	54.4	22.0	0.0	76.4	-	53.9	22.5
07:00 PM - 08:00 PM	74.8	55.1	19.7	0.0	74.8	-	54.0	20.8
08:00 PM - 09:00 PM	73.6	54.9	18.7	0.0	73.6	-	54.2	19.4
09:00 PM - 10:00 PM	74.1	54.9	19.2	0.0	74.1	-	54.5	19.6
10:00 PM - 10:05 PM	64.5	54.6	9.9	0.5	-	67.0	54.2	12.8
10:05 PM - 10:10 PM	66.8	54.5	12.3	0.5	-	69.3	54.0	15.3
10:10 PM - 10:15 PM	76.7	54.6	22.1	0.0	-	79.7	54.1	25.6
10:15 PM - 10:20 PM	69.9	54.8	15.1	0.0	-	72.9	54.1	18.8
10:20 PM - 10:25 PM	77.1	54.6	22.5	0.0	-	80.1	54.2	25.9
10:25 PM - 10:30 PM	71.1	54.5	16.6	0.0	-	74.1	54.1	20.0
10:30 PM - 10:35 PM	71.7	54.6	17.1	0.0	-	74.7	54.1	20.6
10:35 PM - 10:40 PM	71.9	54.7	17.2	0.0	-	74.9	54.2	20.7
10:40 PM - 10:45 PM	67.2	54.5	12.7	0.0	-	70.2	54.0	16.2
10:45 PM - 10:50 PM	76.6	54.7	21.9	0.0	-	79.6	54.2	25.4
10:50 PM - 10:55 PM	68.5	54.8	13.7	0.0	-	71.5	54.2	17.3
10:55 PM - 11:00 PM	76.7	54.7	22.0	0.0	-	79.7	54.2	25.5
11:00 PM - 11:05 PM	70.0	54.7	15.3	0.0	-	73.0	54.4	18.6
11:05 PM - 11:10 PM	67.2	54.8	12.4	0.5	-	69.7	54.2	15.5
11:10 PM - 11:15 PM	77.3	54.6	22.7	0.0	-	80.3	54.2	26.1
11:15 PM - 11:20 PM	76.3	54.7	21.6	0.0	-	79.3	54.2	25.1
11:20 PM - 11:25 PM	78.3	54.9	23.4	0.0	-	81.4	54.3	27.1
11:25 PM - 11:30 PM	70.5	54.8	15.7	0.0	-	73.5	54.4	19.1
11:30 PM - 11:35 PM	64.4	55.0	9.4	0.5	-	66.9	54.4	12.5
11:35 PM - 11:40 PM	64.4	54.9	9.5	0.5	-	66.9	54.4	12.5
11:40 PM - 11:45 PM	63.4	54.9	8.5	0.5	-	65.9	54.4	11.5
11:45 PM - 11:50 PM	63.4	55.1	8.3	0.5	-	65.9	54.5	11.4
11:50 PM - 11:55 PM	62.6	54.9	7.7	0.5	-	65.1	54.3	10.8
11:55 PM - 12:00 AM	62.9	55.1	4.8	1.5	-	64.4	54.6	9.8
12:00 AM - 12:05 AM	62.6	55.0	7.6	0.5	-	65.1	54.3	10.8
12:05 AM - 12:10 AM	62.3	54.7	7.6	0.5	-	64.8	54.3	10.5
12:10 AM - 12:15 AM	63.1	54.7	8.4	0.5	-	65.6	54.3	11.3
12:15 AM - 12:20 AM	63.1	54.6	8.5	0.5	-	65.6	54.2	11.4
12:20 AM - 12:25 AM	63.1	54.7	8.4	0.5	-	65.6	54.3	11.3

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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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580661-1

TESTING  
No.0042

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Sample No. 2314125-18  
Parameter เสียงรบกวน  
Location ตำบลห้วยหินลาดโคก (GPS 47P 0727204, 1433094)  
Measurement Date Feb 17 - 18, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00233183

ระดับเสียง (dB(A))								
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ผลต่างระดับเสียง	ค่าปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		ค่าระดับการรบกวน	
					ค่าปรับ	ค่าปรับ		
03:45 AM - 03:50 AM	71.9	54.6	17.3	0.0	-	74.9	54.2	20.7
03:50 AM - 03:55 AM	75.8	54.7	21.1	0.0	-	78.8	54.2	24.6
03:55 AM - 04:00 AM	72.9	54.7	18.2	0.0	-	75.9	54.3	21.6
04:00 AM - 04:05 AM	74.5	54.7	19.8	0.0	-	77.5	54.2	23.3
04:05 AM - 04:10 AM	66.7	54.6	12.1	0.5	-	69.2	54.3	14.9
04:10 AM - 04:15 AM	76.4	54.6	21.8	0.0	-	79.4	54.2	25.2
04:15 AM - 04:20 AM	70.9	54.7	16.2	0.0	-	73.9	54.2	19.7
04:20 AM - 04:25 AM	66.9	54.7	12.2	0.5	-	69.4	54.3	15.1
04:25 AM - 04:30 AM	77.0	54.7	22.3	0.0	-	80.0	54.2	25.8
04:30 AM - 04:35 AM	68.0	54.7	13.3	0.0	-	71.0	54.3	16.7
04:35 AM - 04:40 AM	75.6	54.6	21.0	0.0	-	78.6	54.2	24.4
04:40 AM - 04:45 AM	62.7	54.7	8.0	0.5	-	65.2	54.3	10.9
04:45 AM - 04:50 AM	62.8	54.7	8.1	0.5	-	65.3	54.3	11.0
04:50 AM - 04:55 AM	62.3	54.8	7.5	0.5	-	64.8	54.4	10.4
04:55 AM - 05:00 AM	61.9	55.5	6.4	1.5	-	63.4	54.3	9.1
05:00 AM - 05:05 AM	61.9	54.6	7.3	1.0	-	63.9	54.2	9.7
05:05 AM - 05:10 AM	62.2	54.6	7.6	0.5	-	64.7	54.2	10.5
05:10 AM - 05:15 AM	62.1	54.8	7.3	1.0	-	64.1	54.4	9.7
05:15 AM - 05:20 AM	62.1	54.7	7.4	1.0	-	64.1	54.3	9.8
05:20 AM - 05:25 AM	65.3	55.0	10.3	0.5	-	67.8	54.3	13.5
05:25 AM - 05:30 AM	65.5	55.2	10.3	0.5	-	68.0	54.4	13.6
05:30 AM - 05:35 AM	75.7	54.8	20.9	0.0	-	78.7	54.4	24.3
05:35 AM - 05:40 AM	69.4	54.8	14.6	0.0	-	72.4	54.3	18.1
05:40 AM - 05:45 AM	71.0	54.8	16.2	0.0	-	74.0	54.4	19.6
05:45 AM - 05:50 AM	75.4	54.8	20.6	0.0	-	78.4	54.3	24.1
05:50 AM - 05:55 AM	67.4		12.3		-	70.4	54.4	15.4
05:55 AM - 06:00 AM	75.5	54.8	20.7	0.0	-	78.5	54.4	24.1
06:00 AM - 07:00 AM	71.2	54.9	16.3	0.0	71.2	-	57.4	16.8
07:00 AM - 08:00 AM	73.3	55.3	18.0	0.0	73.3	-	59.4	18.9
08:00 AM - 09:00 AM	72.6	56.4	13.8	0.0	72.6	-	58.6	18.2
09:00 AM - 10:00 AM	72.8	50.7	22.1	0.0	72.8	-	49.1	23.7
10:00 AM - 11:00 AM	71.2	49.9	21.3	0.0	71.2	-	48.8	22.4



## 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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580663-1

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Sample No. 2314125-19  
Parameter เสียงรบกวน  
Location ตำบลบ้านนา หมู่ 6 ตำบลบ้านนา (GPS 47P 0727204, 1433094)  
Measurement Date Feb 19 - 20, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00233183

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ผลต่าง	ค่าปรับ	ระดับเสียง (dB(A))		เสียงที่ฐาน	ค่าระดับการรบกวน
					ค่าปรับ	ค่าปรับ		
03:45 AM - 03:50 AM	66.1	54.6	11.5	0.5	-	68.6	54.2	14.4
03:50 AM - 03:55 AM	67.3	54.7	12.6	0.0	-	70.3	54.2	16.1
03:55 AM - 04:00 AM	69.8	54.7	15.1	0.0	-	72.8	54.3	18.5
04:00 AM - 04:05 AM	70.3	54.7	15.6	0.0	-	73.3	54.2	19.1
04:05 AM - 04:10 AM	67.1	54.6	12.5	0.0	-	70.1	54.3	15.8
04:10 AM - 04:15 AM	72.0	54.6	17.4	0.0	-	75.0	54.2	20.8
04:15 AM - 04:20 AM	74.7	54.7	20.0	0.0	-	77.7	54.2	23.5
04:20 AM - 04:25 AM	74.6	54.7	19.9	0.0	-	77.6	54.3	23.3
04:25 AM - 04:30 AM	74.5	54.7	19.8	0.0	-	77.5	54.2	23.5
04:30 AM - 04:35 AM	67.7	54.7	13.0	0.0	-	70.7	54.3	16.4
04:35 AM - 04:40 AM	64.9	54.6	10.3	0.5	-	67.4	54.2	13.2
04:40 AM - 04:45 AM	64.0	54.7	9.3	0.5	-	66.5	54.3	12.2
04:45 AM - 04:50 AM	63.5	54.7	8.8	0.5	-	66.0	54.3	11.7
04:50 AM - 04:55 AM	63.3	54.8	8.5	0.5	-	65.8	54.4	11.4
04:55 AM - 05:00 AM	63.3	55.5	7.8	0.5	-	65.8	54.3	11.5
05:00 AM - 05:05 AM	63.3	54.6	8.7	0.5	-	65.8	54.2	11.6
05:05 AM - 05:10 AM	67.5	54.6	12.9	0.0	-	72.5	54.2	21.0
05:10 AM - 05:15 AM	72.0	54.8	17.2	0.0	-	75.0	54.4	20.6
05:15 AM - 05:20 AM	75.1	54.7	20.4	0.0	-	78.1	54.3	23.8
05:20 AM - 05:25 AM	67.5	55.0	12.5	0.0	-	70.5	54.3	16.2
05:25 AM - 05:30 AM	68.7	55.2	13.5	0.0	-	71.7	54.4	17.3
05:30 AM - 05:35 AM	75.3	54.8	20.5	0.0	-	78.3	54.4	23.9
05:35 AM - 05:40 AM	76.3	54.8	21.5	0.0	-	79.3	54.3	25.0
05:40 AM - 05:45 AM	67.8	54.8	13.0	0.0	-	70.8	54.4	16.4
05:45 AM - 05:50 AM	75.5	54.8	20.7	0.0	-	78.5	54.2	24.3
05:50 AM - 05:55 AM	72.5	54.9	17.6	0.0	-	75.5	54.4	21.1
05:55 AM - 06:00 AM	75.6	54.8	20.8	0.0	-	78.6	54.4	24.2
06:00 AM - 07:00 AM	72.8	54.9	17.9	0.0	72.8	-	54.4	18.6
07:00 AM - 08:00 AM	76.0	54.9	21.1	0.0	76.0	-	54.4	21.6
08:00 AM - 09:00 AM	75.2	52.4	22.8	0.0	75.2	-	50.8	24.4
09:00 AM - 10:00 AM	73.8	50.7	23.1	0.0	73.8	-	49.1	24.7
10:00 AM - 11:00 AM	71.4	49.9	21.5	0.0	71.4	-	48.8	22.6

Reference Method :

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

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่ามาตรฐานเสียงรบกวนระดับเสียงที่ได้จากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
- ระดับเสียงรบกวนเฉลี่ยค่ามาตรฐานวัดได้ 18-19 ตามข้อ 2566

ระดับเสียงที่ฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2292538-3 วันที่ตรวจวัด 31 ธันวาคม 2565-01 มกราคม 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

Wibol Borik  
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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580663-1

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Sample No. 2314125-20  
Parameter เสียงรบกวน  
Location ตำบลบ้านนา หมู่ 6 ตำบลบ้านนา (GPS 47P 0727204, 1433094)  
Measurement Date Feb 19 - 20, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00233183

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ผลต่าง	ค่าปรับ	ระดับเสียง (dB(A))		เสียงที่ฐาน	ค่าระดับการรบกวน
					ค่าปรับ	ค่าปรับ		
12:25 AM - 12:30 AM	62.5	54.7	7.8	0.5	-	65.0	54.3	10.7
12:30 AM - 12:35 AM	62.5	54.7	7.8	0.5	-	65.0	54.2	10.8
12:35 AM - 12:40 AM	62.9	54.6	8.3	0.5	-	65.4	54.2	11.2
12:40 AM - 12:45 AM	61.7	54.6	7.1	1.0	-	63.7	54.2	9.5
12:45 AM - 12:50 AM	62.6	54.6	8.0	0.5	-	65.3	54.2	11.1
12:50 AM - 12:55 AM	76.1	54.8	21.3	0.0	-	79.1	54.2	24.9
12:55 AM - 01:00 AM	77.5	55.6	21.9	0.0	-	80.5	54.3	26.2
01:00 AM - 01:05 AM	71.6	54.8	16.8	0.0	-	74.6	54.4	20.2
01:05 AM - 01:10 AM	75.6	54.8	20.8	0.0	-	78.6	54.4	24.2
01:10 AM - 01:15 AM	77.5	54.8	22.7	0.0	-	80.5	54.4	26.1
01:15 AM - 01:20 AM	72.3	54.7	17.6	0.0	-	75.3	54.3	21.0
01:20 AM - 01:25 AM	76.4	54.8	21.6	0.0	-	79.4	54.4	23.0
01:25 AM - 01:30 AM	75.8	54.5	21.3	0.0	-	78.8	54.1	24.7
01:30 AM - 01:35 AM	72.8	54.6	18.2	0.0	-	75.8	54.2	21.6
01:35 AM - 01:40 AM	78.1	54.7	23.4	0.0	-	81.1	54.3	26.8
01:40 AM - 01:45 AM	74.8	54.8	20.0	0.0	-	77.8	54.4	23.4
01:45 AM - 01:50 AM	69.5	54.7	14.8	0.0	-	72.5	54.3	18.2
01:50 AM - 01:55 AM	75.1	54.8	20.3	0.0	-	78.1	54.4	23.7
01:55 AM - 02:00 AM	75.0	54.9	20.1	0.0	-	78.0	54.5	23.5
02:00 AM - 02:05 AM	69.5	54.9	14.6	0.0	-	72.5	54.5	18.0
02:05 AM - 02:10 AM	75.2	54.8	20.4	0.0	-	78.2	54.4	23.8
02:10 AM - 02:15 AM	68.8	54.8	14.0	0.0	-	71.8	54.4	17.4
02:15 AM - 02:20 AM	75.1	54.7	20.4	0.0	-	78.1	54.3	23.8
02:20 AM - 02:25 AM	74.7	54.9	19.8	0.0	-	77.7	54.4	23.3
02:25 AM - 02:30 AM	69.5	54.9	14.6	0.0	-	72.5	54.4	18.1
02:30 AM - 02:35 AM	67.2	54.9	12.3	0.5	-	69.7	54.4	15.3
02:35 AM - 02:40 AM	76.7	55.0	21.7	0.0	-	79.7	54.3	25.4
02:40 AM - 02:45 AM	69.0	54.9	14.0	0.0	-	72.0	54.5	17.5
02:45 AM - 02:50 AM	76.7	54.9	21.8	0.0	-	79.7	54.2	25.7
02:50 AM - 02:55 AM	68.8	54.7	14.1	0.0	-	71.8	54.3	17.5
02:55 AM - 03:00 AM	76.8	54.7	22.1	0.0	-	79.8	54.3	25.5
03:00 AM - 03:05 AM	68.5	54.7	13.8	0.0	-	71.5	54.4	17.2
03:05 AM - 03:10 AM	76.7	54.8	21.9	0.0	-	79.7	54.3	25.4
03:10 AM - 03:15 AM	73.8	54.7	19.1	0.0	-	76.8	54.2	22.6
03:15 AM - 03:20 AM	75.0	54.7	20.3	0.0	-	78.0	54.3	23.7
03:20 AM - 03:25 AM	73.6	54.8	18.8	0.0	-	76.6	54.4	22.2
03:25 AM - 03:30 AM	74.9	54.8	20.1	0.0	-	77.9	54.3	23.6
03:30 AM - 03:35 AM	75.6	54.8	20.8	0.0	-	78.6	54.4	24.2
03:35 AM - 03:40 AM	72.4	54.8	17.6	0.0	-	75.4	54.3	21.1
03:40 AM - 03:45 AM	76.8	54.7	22.1	0.0	-	79.8	54.3	25.5

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.

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Wibol Borik  
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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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580663-1

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Sample No. 2314125-20  
Parameter เสียงรบกวน  
Location ตำบลบ้านนา หมู่ 6 ตำบลบ้านนา (GPS 47P 0727204, 1433094)  
Measurement Date Feb 19 - 20, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00233183

ค่าระดับเสียง (dB(A))								
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ผลต่างระดับเสียง	ค่าปรับ	ปรับตามระยะจากแหล่งกำเนิด		เสียงที่ฐาน	ค่าระดับการรบกวน
					ค่าปรับ	ค่าระดับ		
11:00 AM - 12:00 PM	61.9	49.6	12.3	0.5	61.4	-	48.3	13.1
12:00 PM - 01:00 PM	70.3	49.5	20.8	0.0	70.3	-	48.3	22.0
01:00 PM - 02:00 PM	61.8	49.5	12.3	0.5	61.3	-	48.2	13.1
02:00 PM - 03:00 PM	56.2	50.3	5.9	1.5	54.7	-	48.7	6.0
03:00 PM - 04:00 PM	56.6	51.8	4.8	1.5	55.1	-	48.8	4.3
04:00 PM - 05:00 PM	56.2	54.3	1.9	4.5	51.7	-	53.2	-1.5
05:00 PM - 06:00 PM	55.4	54.7	0.7	7.0	48.4	-	54.0	-5.6
06:00 PM - 07:00 PM	69.4	54.4	15.0	0.0	69.4	-	53.9	15.5
07:00 PM - 08:00 PM	74.1	55.1	19.0	0.0	74.1	-	54.0	20.1
08:00 PM - 09:00 PM	74.5	54.9	19.6	0.0	74.5	-	54.2	20.3
09:00 PM - 10:00 PM	74.8	54.9	19.9	0.0	74.8	-	54.5	20.3
10:00 PM - 10:05 PM	77.6	54.6	23.0	0.0	-	80.6	54.2	26.4
10:05 PM - 10:10 PM	77.8	54.5	23.3	0.0	-	80.8	54.0	26.8
10:10 PM - 10:15 PM	72.5	54.6	17.9	0.0	-	75.5	54.1	21.4
10:15 PM - 10:20 PM	78.6	54.8	23.8	0.0	-	81.6	54.1	27.5
10:20 PM - 10:25 PM	75.0	54.6	20.4	0.0	-	78.0	54.2	23.8
10:25 PM - 10:30 PM	75.7	54.5	21.2	0.0	-	78.7	54.1	24.6
10:30 PM - 10:35 PM	68.1	54.6	13.5	0.0	-	71.1	54.1	17.0
10:35 PM - 10:40 PM	77.8	54.7	23.1	0.0	-	80.8	54.2	26.6
10:40 PM - 10:45 PM	67.3	54.5	12.8	0.0	-	70.3	54.0	16.3
10:45 PM - 10:50 PM	77.5	54.7	22.8	0.0	-	80.5	54.2	26.3
10:50 PM - 10:55 PM	78.5	54.8	23.7	0.0	-	81.5	54.2	27.3
10:55 PM - 11:00 PM	70.3	54.7	15.6	0.0	-	73.3	54.2	19.1
11:00 PM - 11:05 PM	71.9	54.7	17.2	0.0	-	74.9	54.2	20.7
11:05 PM - 11:10 PM	72.2	54.8	17.4	0.0	-	75.2	54.2	21.0
11:10 PM - 11:15 PM	75.4	54.6	20.8	0.0	-	78.4	54.2	24.2
11:15 PM - 11:20 PM	67.9	54.7	13.2	0.0	-	70.9	54.2	16.7
11:20 PM - 11:25 PM	74.1	54.9	19.2	0.0	-	77.1	54.4	22.7
11:25 PM - 11:30 PM	77.8	54.8	23.0	0.0	-	80.8	54.4	26.4
11:30 PM - 11:35 PM	73.4	55.0	18.4	0.0	-	76.4	54.4	22.0
11:35 PM - 11:40 PM	63.7	54.9	8.8	0.5	-	66.2	54.4	11.8
11:40 PM - 11:45 PM	62.3	54.9	7.4	1.0	-	64.3	54.4	9.9
11:45 PM - 11:50 PM	61.9	55.1	6.8	1.0	-	63.9	54.5	9.4
11:50 PM - 11:55 PM	62.5	54.9	7.6	0.5	-	65.0	54.3	10.7
11:55 PM - 12:00 AM	62.1	54.8	7.3	1.0	-	64.3	54.3	8.9
12:00 AM - 12:05 AM	62.2	55.0	7.2	1.0	-	64.2	54.3	9.9
12:05 AM - 12:10 AM	62.1	54.7	7.4	1.0	-	64.1	54.3	9.8
12:10 AM - 12:15 AM	61.8	54.7	7.1	1.0	-	63.8	54.3	9.5
12:15 AM - 12:20 AM	62.5	54.6	7.9	0.5	-	65.4	54.3	10.8
12:20 AM - 12:25 AM	62.5	54.7	7.8	0.5	-	65.0	54.3	10.7





## Analysis / Test Report

Client : UACI (Thailand) Co., Ltd.  
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpang, Rayong  
Thailand 21140  
P/O : 4500022918  
Project Name : Monitoring  
Project Location :



TESTING  
No.0042

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580664-1

Sample No. 2314125-21  
Parameter เสียงรบกวน  
Location ตำบลบ้านใหม่คลองโคกกรวย (GPS 47P 0727204, 1433094)  
Measurement Date Feb 20 - 21, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00233183

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ระดับเสียง (dB(A))		ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับการรบกวน
			ผลต่าง	ตัวปรับค่า	ผลต่าง	ตัวปรับค่า		
11:00 AM - 12:00 PM	69.9	49.6	20.3	0.0	69.9	-	48.3	21.6
12:00 PM - 01:00 PM	68.8	49.5	19.3	0.0	68.8	-	48.3	20.5
01:00 PM - 02:00 PM	73.0	49.5	23.5	0.0	73.0	-	48.2	24.8
02:00 PM - 03:00 PM	67.0	50.3	16.7	0.0	67.0	-	48.7	18.3
03:00 PM - 04:00 PM	60.4	51.8	8.6	0.5	59.9	-	50.8	9.1
04:00 PM - 05:00 PM	60.1	54.3	5.8	1.5	58.6	-	53.2	5.4
05:00 PM - 06:00 PM	59.8	54.7	5.1	1.5	58.3	-	54.0	4.3
06:00 PM - 07:00 PM	60.5	54.4	6.1	1.5	59.0	-	53.9	5.1
07:00 PM - 08:00 PM	62.7	55.1	7.6	0.5	62.2	-	54.0	8.2
08:00 PM - 09:00 PM	72.9	54.9	18.0	0.0	72.9	-	54.2	18.7
09:00 PM - 10:00 PM	74.8	54.9	19.9	0.0	74.8	-	54.5	20.3
10:00 PM - 10:05 PM	79.5	54.6	24.9	0.0	-	82.5	54.2	28.3
10:05 PM - 10:10 PM	76.8	54.5	22.3	0.0	-	79.8	54.0	25.8
10:10 PM - 10:15 PM	68.3	54.6	13.7	0.0	-	71.3	54.1	17.2
10:15 PM - 10:20 PM	80.5	54.6	25.9	0.0	-	83.5	54.1	29.4
10:20 PM - 10:25 PM	73.6	54.6	19.0	0.0	-	76.6	54.2	22.4
10:25 PM - 10:30 PM	75.6	54.5	21.1	0.0	-	78.6	54.1	24.5
10:30 PM - 10:35 PM	79.5	54.6	24.9	0.0	-	82.5	54.1	28.4
10:35 PM - 10:40 PM	71.4	54.7	16.7	0.0	-	74.4	54.2	20.2
10:40 PM - 10:45 PM	75.2	54.5	20.7	0.0	-	78.2	54.0	24.2
10:45 PM - 10:50 PM	67.0	54.7	12.3	0.5	-	69.5	54.2	15.3
10:50 PM - 10:55 PM	75.5	54.8	20.7	0.0	-	78.5	54.2	24.3
10:55 PM - 11:00 PM	72.9	54.7	18.2	0.0	-	75.9	54.2	21.7
11:00 PM - 11:05 PM	72.2	54.7	17.5	0.0	-	76.2	54.2	22.0
11:05 PM - 11:10 PM	73.5	54.8	18.7	0.0	-	76.5	54.2	22.3
11:10 PM - 11:15 PM	72.7	54.6	18.1	0.0	-	75.7	54.2	21.5
11:15 PM - 11:20 PM	75.4	54.7	20.7	0.0	-	78.4	54.2	24.2
11:20 PM - 11:25 PM	75.8	54.9	20.9	0.5	-	78.8	54.4	24.4
11:25 PM - 11:30 PM	66.3	54.8	11.5	0.5	-	68.8	54.4	14.4
11:30 PM - 11:35 PM	74.9	55.0	19.9	0.0	-	77.9	54.4	23.5
11:35 PM - 11:40 PM	65.9	54.9	11.0	0.5	-	68.4	54.4	14.0
11:40 PM - 11:45 PM	64.5	54.9	9.6	0.5	-	67.0	54.4	12.6
11:45 PM - 11:50 PM	64.2	55.1	9.1	0.5	-	66.7	54.5	12.2
11:50 PM - 11:55 PM	63.2	54.9	8.3	0.5	-	65.7	54.3	11.4
11:55 PM - 12:00 AM	62.9	58.1	4.8	1.5	-	64.4	54.2	9.8
12:00 AM - 12:05 AM	62.7	55.0	7.7	0.5	-	65.2	54.3	10.9
12:05 AM - 12:10 AM	62.3	54.7	7.6	0.5	-	64.8	54.3	10.5
12:10 AM - 12:15 AM	62.4	54.7	7.7	0.5	-	64.9	54.3	10.6
12:15 AM - 12:20 AM	62.1	54.6	7.5	0.5	-	64.6	54.2	10.4
12:20 AM - 12:25 AM	62.2	54.7	7.5	0.5	-	64.7	54.3	10.4

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Approved by

Wilawan Borirak  
Manager

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## Analysis / Test Report

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

P/O : 4500022918  
Project Name : Monitoring  
Project Location :



TESTING  
No.0042

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580664-1

Sample No. 2314125-21  
Parameter เสียงรบกวน  
Location ตำบลบ้านใหม่คลองโคกกรวย (GPS 47P 0727204, 1433094)  
Measurement Date Feb 20 - 21, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00233183

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ระดับเสียง (dB(A))		ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับการรบกวน
			ผลต่าง	ตัวปรับค่า	ผลต่าง	ตัวปรับค่า		
03:45 AM - 03:50 AM	77.7	54.6	23.1	0.0	-	80.7	54.2	26.5
03:50 AM - 03:55 AM	68.5	54.7	13.8	0.0	-	71.5	54.2	17.3
03:55 AM - 04:00 AM	68.7	54.7	14.0	0.0	-	71.7	54.3	17.4
04:00 AM - 04:05 AM	77.6	54.7	22.9	0.0	-	80.6	54.2	26.4
04:05 AM - 04:10 AM	72.2	54.6	17.6	0.0	-	76.2	54.3	21.9
04:10 AM - 04:15 AM	72.5	54.6	17.9	0.0	-	76.5	54.2	22.3
04:15 AM - 04:20 AM	67.6	54.7	12.9	0.0	-	70.6	54.2	16.4
04:20 AM - 04:25 AM	76.9	54.7	22.2	0.0	-	79.9	54.3	25.6
04:25 AM - 04:30 AM	73.0	54.7	18.3	0.0	-	76.0	54.2	21.8
04:30 AM - 04:35 AM	67.6	54.7	12.9	0.0	-	70.6	54.3	16.3
04:35 AM - 04:40 AM	64.0	54.6	9.4	0.5	-	66.5	54.2	12.3
04:40 AM - 04:45 AM	62.0	54.7	7.3	1.0	-	64.0	54.3	9.7
04:45 AM - 04:50 AM	62.7	54.7	8.0	0.5	-	65.2	54.3	10.9
04:50 AM - 04:55 AM	62.5	54.8	7.7	0.5	-	65.0	54.4	10.6
04:55 AM - 05:00 AM	62.6	55.5	7.1	1.0	-	64.6	54.3	10.3
05:00 AM - 05:05 AM	63.0	54.6	8.4	0.5	-	65.5	54.2	11.3
05:05 AM - 05:10 AM	74.3	54.6	19.7	0.0	-	77.3	54.2	23.1
05:10 AM - 05:15 AM	78.8	54.8	24.0	0.0	-	81.8	54.4	27.4
05:15 AM - 05:20 AM	72.3	54.7	17.6	0.0	-	75.3	54.3	21.0
05:20 AM - 05:25 AM	78.6	55.0	23.6	0.0	-	81.6	54.3	27.3
05:25 AM - 05:30 AM	69.2	55.2	14.0	0.0	-	72.2	54.4	17.8
05:30 AM - 05:35 AM	68.3	54.8	13.5	0.0	-	71.3	54.4	16.9
05:35 AM - 05:40 AM	78.6	54.8	23.8	0.0	-	81.6	54.3	27.3
05:40 AM - 05:45 AM	76.3	54.8	21.5	0.0	-	79.3	54.4	24.9
05:45 AM - 05:50 AM	79.0	54.8	24.2	0.0	-	82.0	54.3	27.7
05:50 AM - 05:55 AM	72.5	54.9	17.6	0.0	-	75.5	54.4	21.1
05:55 AM - 06:00 AM	76.9	54.8	22.1	0.0	-	79.9	54.4	25.5
06:00 AM - 07:00 AM	75.6	54.9	20.7	0.0	-	78.6	54.4	24.2
07:00 AM - 08:00 AM	73.5	55.3	18.2	0.0	-	76.2	54.8	21.4
08:00 AM - 09:00 AM	71.0	52.4	18.6	0.0	-	70.8	54.0	20.8
09:00 AM - 10:00 AM	72.6	50.7	21.9	0.0	-	72.6	54.1	23.5
10:00 AM - 11:00 AM	66.3	49.9	16.4	0.0	-	66.3	48.8	17.5

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

หมายเหตุ  
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงรบกวนและระดับเสียงที่ได้จากการประกาศกฎกระทรวง พ.ศ. 2548  
2. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานเสียงที่ได้จากการประกาศกฎกระทรวงฉบับที่ 151 พ.ศ. 2561  
ระดับเสียงจากแหล่งกำเนิดตามตารางเสียงรบกวน (Sample No. 2582358-3 ชนิดเครื่อง 31 ขนาดความ 2565-01 ขนาดความ 2566)  
ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีกิจกรรม (Sample No. 2582358-3 ชนิดเครื่อง 31 ขนาดความ 2565-01 ขนาดความ 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 : UACI (Thailand) Co., Ltd.  
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpang, Rayong  
Thailand 21140  
P/O : 4500022918  
Project Name : Monitoring  
Project Location :

Sample No. 2314125-21  
Parameter เสียงรบกวน  
Location ตำบลบ้านใหม่คลองโคกกรวย (GPS 47P 0727204, 1433094)  
Measurement Date Feb 20 - 21, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00233183

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ระดับเสียง (dB(A))		ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับการรบกวน
			ผลต่าง	ตัวปรับค่า	ผลต่าง	ตัวปรับค่า		
12:25 AM - 12:30 AM	62.2	54.7	7.5	0.5	-	64.7	54.3	10.4
12:30 AM - 12:35 AM	63.2	54.7	8.5	0.5	-	65.7	54.3	11.5
12:35 AM - 12:40 AM	62.9	54.6	8.3	0.5	-	65.4	54.2	11.2
12:40 AM - 12:45 AM	67.5	54.6	12.9	0.0	-	70.5	54.2	16.3
12:45 AM - 12:50 AM	66.9	54.6	12.3	0.5	-	69.4	54.2	15.2
12:50 AM - 12:55 AM	66.8	54.8	12.0	0.5	-	69.3	54.2	15.1
12:55 AM - 01:00 AM	77.4	55.6	21.8	0.0	-	80.4	54.3	26.1
01:00 AM - 01:05 AM	69.8	54.8	15.0	0.5	-	72.8	54.4	18.4
01:05 AM - 01:10 AM	76.5	54.8	21.7	0.0	-	79.5	54.4	25.1
01:10 AM - 01:15 AM	72.7	54.8	17.9	0.0	-	75.7	54.4	21.3
01:15 AM - 01:20 AM	68.0	54.7	13.3	0.0	-	71.0	54.3	16.7
01:20 AM - 01:25 AM	74.8	54.7	20.1	0.0	-	77.8	54.2	23.6
01:25 AM - 01:30 AM	74.6	54.5	20.1	0.0	-	77.6	54.1	23.5
01:30 AM - 01:35 AM	76.8	54.6	22.2	0.0	-	79.8	54.2	25.6
01:35 AM - 01:40 AM	72.8	54.7	18.1	0.0	-	75.8	54.3	21.5
01:40 AM - 01:45 AM	68.4	54.8	13.6	0.0	-	71.4	54.4	17.0
01:45 AM - 01:50 AM	75.9	54.7	21.2	0.0	-	78.9	54.3	24.6
01:50 AM - 01:55 AM	74.6	54.8	19.8	0.0	-	77.6	54.4	23.2
01:55 AM - 02:00 AM	68.3	54.9	13.4	0.0	-	71.3	54.5	16.8
02:00 AM - 02:05 AM	76.7	54.9	21.8	0.0	-	79.7	54.5	25.2
02:05 AM - 02:10 AM	73.5	54.8	18.7	0.0	-	76.5	54.4	22.1
02:10 AM - 02:15 AM	67.2	54.8	12.4	0.5	-	69.7	54.4	15.3
02:15 AM - 02:20 AM	67.4	54.7	12.7	0.0	-	70.4	54.3	16.1
02:20 AM - 02:25 AM	66.6	54.9	11.7	0.5	-	69.1	54.4	15.7
02:25 AM - 02:30 AM	71.3	54.9	16.4	0.0	-	74.3	54.4	19.9
02:30 AM - 02:35 AM	68.8	54.9	13.9	0.0	-	71.8	54.4	17.4
02:35 AM - 02:40 AM	67.1	55.0	12.1	0.5	-	69.6	54.3	15.3
02:40 AM - 02:45 AM	72.9	55.0	17.9	0.0	-	75.9	54.5	21.4
02:45 AM - 02:50 AM	76.7	54.9	21.8	0.0	-	79.7	54.4	25.3
02:50 AM - 02:55 AM	68.6	54.7	13.9	0.0	-	71.6	54.3	17.3
02:55 AM - 03:00 AM	76.7	54.7	22.0	0.0	-	79.7	54.3	25.4
03:00 AM - 03:05 AM	72.0	54.7	17.3	0.0	-	75.0	54.3	20.7
03:05 AM - 03:10 AM	71.5	54.8	16.7	0.0	-	74.5	54.3	20.2
03:10 AM - 03:15 AM	76.6	54.7	21.9	0.0	-	79.6	54.2	25.4
03:15 AM - 03:20 AM	67.9	54.7	13.2	0.0	-	70.9	54.3	16.9
03:20 AM - 03:25 AM	76.8	54.8	22.0	0.0	-	79.8	54.4	25.4
03:25 AM - 03:30 AM	72.0	54.8	17.2	0.0	-	75.0	54.3	20.7
03:30 AM - 03:35 AM	75.2	54.8	20.4	0.0	-	78.2	54.4	23.8
03:35 AM - 03:40 AM	74.9	54.9	20.1	0.0	-	77.9	54.3	23.6
03:40 AM - 03:45 AM	67.9	54.7	13.2	0.0	-	70.9	54.3	16.6



## 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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580665-1



TESTING  
No.0042

Page 2 of 3

Sample No. 2314125-22  
Parameter เลื่อนรถขน  
Location อำเภอเมืองระยอง (GPS 47P 0727619, 1433056)  
Measurement Date Feb 14 - 15, 2023  
Measurement by Chatchal Sukpia  
Sound Level Meter 01122607

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขนถ่าย	ระดับเสียง (dB(A))		การประเมินจากแหล่งกำเนิด	เสียงที่ชุมชน	ค่าประเมินการขนถ่าย	
			ผลต่างระดับเสียง	ตัวปรับค่า				
12:25 AM - 12:30 AM	66.7	51.8	14.9	0.0	-	69.7	50.3	19.4
12:30 AM - 12:35 AM	66.5	51.9	14.6	0.0	-	69.5	50.2	19.3
12:35 AM - 12:40 AM	66.5	51.5	15.0	0.0	-	69.5	50.2	19.3
12:40 AM - 12:45 AM	66.9	51.6	15.3	0.0	-	69.9	50.1	19.8
12:45 AM - 12:50 AM	66.6	51.9	14.7	0.0	-	69.6	50.6	19.6
12:50 AM - 12:55 AM	66.4	58.0	8.4	0.5	-	68.9	50.8	18.1
12:55 AM - 01:00 AM	66.5	61.2	5.3	1.5	-	68.0	50.7	17.3
01:00 AM - 01:05 AM	66.4	51.8	14.6	0.0	-	69.4	50.6	18.8
01:05 AM - 01:10 AM	66.3	51.6	14.7	0.0	-	69.3	50.7	18.7
01:10 AM - 01:15 AM	66.4	51.4	15.0	0.0	-	69.4	50.5	19.1
01:15 AM - 01:20 AM	66.7	51.3	15.4	0.0	-	69.7	50.3	19.4
01:20 AM - 01:25 AM	66.5	51.5	15.0	0.0	-	69.5	50.2	19.3
01:25 AM - 01:30 AM	66.3	51.9	14.4	0.0	-	69.3	50.5	18.8
01:30 AM - 01:35 AM	66.2	52.0	14.2	0.0	-	69.2	50.6	18.5
01:35 AM - 01:40 AM	66.5	51.4	15.1	0.0	-	69.5	50.4	19.1
01:40 AM - 01:45 AM	66.8	51.9	14.9	0.0	-	69.8	50.6	19.2
01:45 AM - 01:50 AM	66.5	51.5	15.0	0.0	-	69.5	50.4	19.1
01:50 AM - 01:55 AM	66.5	51.6	14.9	0.0	-	69.5	50.5	19.0
01:55 AM - 02:00 AM	66.6	51.5	15.1	0.0	-	69.6	50.3	19.3
02:00 AM - 02:05 AM	66.4	51.5	14.9	0.0	-	69.4	50.2	19.2
02:05 AM - 02:10 AM	66.7	51.2	15.5	0.0	-	69.7	50.2	19.5
02:10 AM - 02:15 AM	66.4	51.3	15.1	0.0	-	69.4	50.1	19.5
02:15 AM - 02:20 AM	66.5	51.5	14.9	0.0	-	68.5	50.2	18.3
02:20 AM - 02:25 AM	65.7	51.1	14.6	0.0	-	68.7	50.0	18.7
02:25 AM - 02:30 AM	65.8	51.0	14.8	0.0	-	68.8	50.0	18.8
02:30 AM - 02:35 AM	65.9	51.6	14.3	0.0	-	68.7	50.2	18.7
02:35 AM - 02:40 AM	65.7	51.0	14.7	0.0	-	68.7	50.0	18.7
02:40 AM - 02:45 AM	65.8	51.3	14.5	0.0	-	68.8	50.0	18.8
02:45 AM - 02:50 AM	65.6	53.6	12.0	0.5	-	68.1	50.0	18.1
02:50 AM - 02:55 AM	65.7	51.1	14.6	0.0	-	68.7	49.9	18.8
02:55 AM - 03:00 AM	65.7	52.0	13.7	0.0	-	68.7	50.2	18.5
03:00 AM - 03:05 AM	66.1	51.9	14.2	0.0	-	69.1	49.1	19.0
03:05 AM - 03:10 AM	65.6	51.3	14.3	0.0	-	68.6	50.1	18.5
03:10 AM - 03:15 AM	65.6	51.0	14.6	0.0	-	68.6	50.1	18.5
03:15 AM - 03:20 AM	65.7	51.2	14.5	0.0	-	68.7	50.0	18.7
03:20 AM - 03:25 AM	66.1	51.1	15.0	0.0	-	69.1	49.8	19.0
03:25 AM - 03:30 AM	65.9	51.0	14.9	0.0	-	68.9	49.9	19.0
03:30 AM - 03:35 AM	65.6	51.0	14.6	0.0	-	68.6	50.0	18.6
03:35 AM - 03:40 AM	66.1	51.3	14.8	0.0	-	69.1	50.0	18.9
03:40 AM - 03:45 AM	66.1	51.1	15.0	0.0	-	69.1	50.2	18.9

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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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580665-1



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No.0042

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Sample No. 2314125-23  
Parameter เลื่อนรถขน  
Location อำเภอเมืองระยอง (GPS 47P 0727619, 1433056)  
Measurement Date Feb 15 - 16, 2023  
Measurement by Chatchal Sukpia  
Sound Level Meter 01122607

เวลา	ระดับเสียง (dB(A))					เสียงที่ชุมชน	ค่าประเมิน	
	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขนถ่าย	ผลต่างระดับเสียง	ค่าปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด			
					ค่าจริง			ค่าปรับ
11:00 AM - 12:00 PM	65.1	54.2	10.9	0.5	64.6	-	50.2	14.4
12:00 PM - 01:00 PM	65.4	53.3	12.1	0.5	64.9	-	50.3	14.9
01:00 PM - 02:00 PM	65.0	52.6	12.4	0.5	64.5	-	50.3	14.2
02:00 PM - 03:00 PM	64.3	53.5	10.8	0.5	63.8	-	50.5	13.3
03:00 PM - 04:00 PM	65.2	52.9	12.3	0.5	64.7	-	50.2	14.5
04:00 PM - 05:00 PM	66.7	54.3	12.4	0.5	66.2	-	50.2	16.0
05:00 PM - 06:00 PM	67.3	54.2	13.1	0.0	67.3	-	50.5	16.8
06:00 PM - 07:00 PM	67.1	53.3	13.8	0.0	67.1	-	50.5	16.6
07:00 PM - 08:00 PM	66.8	59.0	7.8	0.5	66.3	-	50.7	15.6
08:00 PM - 09:00 PM	66.1	54.6	11.5	0.5	65.6	-	51.0	14.6
09:00 PM - 10:00 PM	65.3	51.8	13.5	0.0	65.3	-	50.2	15.1
10:00 PM - 10:05 PM	64.9	51.2	13.7	0.0	-	67.9	50.1	17.8
10:05 PM - 10:10 PM	65.1	51.1	14.0	0.0	-	68.1	50.1	18.0
10:10 PM - 10:15 PM	64.9	51.2	13.7	0.0	-	67.9	50.3	17.6
10:15 PM - 10:20 PM	65.0	51.5	13.5	0.0	-	68.0	50.3	18.1
10:20 PM - 10:25 PM	64.9	51.3	13.6	0.0	-	67.9	50.0	17.9
10:25 PM - 10:30 PM	65.0	51.0	14.0	0.0	-	68.0	49.9	18.1
10:30 PM - 10:35 PM	65.0	51.0	14.0	0.0	-	68.0	49.9	18.1
10:35 PM - 10:40 PM	64.9	51.7	13.2	0.0	-	67.9	50.2	17.9
10:40 PM - 10:45 PM	64.9	51.9	13.0	0.0	-	67.9	50.0	17.9
10:45 PM - 10:50 PM	64.8	51.4	13.4	0.0	-	67.8	50.3	17.5
10:50 PM - 10:55 PM	65.1	51.4	13.7	0.0	-	68.1	50.0	18.1
10:55 PM - 11:00 PM	64.9	51.2	13.7	0.0	-	67.9	50.2	17.7
11:00 PM - 11:05 PM	65.0	52.1	12.9	0.0	-	68.0	49.9	18.1
11:05 PM - 11:10 PM	64.7	51.2	13.5	0.0	-	67.7	50.1	17.6
11:10 PM - 11:15 PM	64.5	51.3	13.2	0.0	-	67.5	50.1	17.4
11:15 PM - 11:20 PM	64.8	51.6	13.2	0.5	67.3	50.2	17.5	17.5
11:20 PM - 11:25 PM	64.8	51.5	13.3	0.0	-	67.8	50.3	17.5
11:25 PM - 11:30 PM	64.6	51.9	12.7	0.0	-	67.6	50.6	17.0
11:30 PM - 11:35 PM	64.7	51.6	13.1	0.0	-	67.7	50.5	17.2
11:35 PM - 11:40 PM	64.7	52.1	12.5	0.5	67.3	50.4	16.8	16.8
11:40 PM - 11:45 PM	64.7	52.2	12.5	0.0	-	67.7	50.5	17.2
11:45 PM - 11:50 PM	64.7	52.1	12.6	0.0	-	67.7	50.4	17.3
11:50 PM - 11:55 PM	64.7	52.2	12.5	0.0	-	67.7	50.5	17.2
11:55 PM - 12:00 AM	64.5	62.6	1.9	4.5	-	63.0	50.0	11.0
12:00 AM - 12:05 AM	64.5	55.1	9.4	0.5	-	62.7	50.7	16.3
12:05 AM - 12:10 AM	64.7	51.8	12.9	0.0	-	67.7	50.4	17.3
12:10 AM - 12:15 AM	64.6	51.5	13.1	0.0	-	67.6	50.4	17.2
12:15 AM - 12:20 AM	64.4	51.3	13.1	0.0	-	67.4	50.1	17.3
12:20 AM - 12:25 AM	64.4	51.5	12.9	0.0	-	67.4	50.0	17.0

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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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580665-1



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No.0042

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Sample No. 2314125-22  
Parameter เลื่อนรถขน  
Location อำเภอเมืองระยอง (GPS 47P 0727619, 1433056)  
Measurement Date Feb 14 - 15, 2023  
Measurement by Chatchal Sukpia  
Sound Level Meter 01122607

ระดับเสียง (dB(A))									
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขนถ่าย	ผลต่างระดับเสียง	ค่าปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับการขนถ่าย	
					ค่าปรับค่า	ค่าเฉลี่ย			
03:45 AM - 03:50 AM	66.1	50.8	15.3	0.0	-	66.1	49.8	19.3	
03:50 AM - 03:55 AM	66.0	51.3	14.7	0.0	-	66.0	50.2	15.8	
03:55 AM - 04:00 AM	65.9	51.3	14.6	0.0	-	65.9	50.1	18.8	
04:00 AM - 04:05 AM	66.1	51.1	15.0	0.0	-	66.1	50.2	18.9	
04:05 AM - 04:10 AM	66.2	51.1	15.1	0.0	-	66.2	50.1	19.1	
04:10 AM - 04:15 AM	65.8	51.0	14.8	0.0	-	65.8	50.1	18.7	
04:15 AM - 04:20 AM	65.8	51.7	14.1	0.0	-	65.8	50.2	18.6	
04:20 AM - 04:25 AM	65.6	51.4	14.2	0.0	-	65.6	50.1	18.5	
04:25 AM - 04:30 AM	65.5	52.3	13.2	0.0	-	65.5	50.2	18.3	
04:30 AM - 04:35 AM	65.7	51.4	14.3	0.0	-	65.7	50.3	18.4	
04:35 AM - 04:40 AM	66.1	51.3	14.8	0.0	-	66.1	50.8	18.9	
04:40 AM - 04:45 AM	66.3	51.2	15.1	0.0	-	66.3	49.9	19.4	
04:45 AM - 04:50 AM	66.3	50.8	15.5	0.0	-	66.3	49.6	19.7	
04:50 AM - 04:55 AM	66.2	50.8	15.4	0.0	-	66.2	49.8	19.4	
04:55 AM - 05:00 AM	65.9	50.9	5.0	1.5	-	65.9	50.1	17.3	
05:00 AM - 05:05 AM	66.0	50.9	15.1	0.0	-	66.0	50.0	19.0	
05:05 AM - 05:10 AM	66.1	51.2	14.9	0.0	-	66.1	49.9	19.2	
05:10 AM - 05:15 AM	66.3	51.1	15.2	0.0	-	66.3	49.9	19.4	
05:15 AM - 05:20 AM	66.1	51.1	15.0	0.0	-	66.1	50.2	18.9	
05:20 AM - 05:25 AM	66.2	57.3	8.9	0.5	-	66.2	49.9	18.8	
05:25 AM - 05:30 AM	66.2	57.3	8.9	0.5	-	66.2	49.9	18.8	
05:30 AM - 05:35 AM	66.4	51.1	15.3	0.0	-	66.4	50.0	19.4	
05:35 AM - 05:40 AM	66.1	50.8	15.3	0.0	-	66.1	49.9	19.2	
05:40 AM - 05:45 AM	66.1	51.1	15.0	0.0	-	66.1	50.0	19.1	
05:45 AM - 05:50 AM	66.3	51.1	15.2	0.0	-	66.3	50.0	19.3	
05:50 AM - 05:55 AM	66.3	51.6	14.7	0.0	-	66.3	50.4	18.9	
05:55 AM - 06:00 AM	66.5	54.1	12.4	0.5	-	66.5	50.3	19.7	
06:00 AM - 07:00 AM	66.2	52.0	14.2	0.0	66.2	-	50.6	15.6	
07:00 AM - 08:00 AM	66.2	57.7	8.5	0.5	65.7	-	51.0	14.7	
08:00 AM - 09:00 AM	66.3	62.7	5.6	1.5	66.8	-	56.5	10.1	
09:00 AM - 10:00 AM	66.8	58.6	8.6	0.5	66.3	-	52.8	13.5	
10:00 AM - 11:00 AM	65.6	52.8	12.8	0.0	65.6	-	50.4	15.2	
ค่ามาตรฐาน								≤ 10	

Reference Method :  
1. ISO 1996-1  
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่ใดจากอุปกรณ์กลไกการขนถ่าย พ.ศ. 2553 มาตราฐาน  
3. ประกาศกระทรวงสาธารณสุข เรื่อง ค่าระดับการสัมผัสการรบกวนและระดับเสียงที่ใดจากอุปกรณ์กลไกการขนถ่าย พ.ศ. 2548  
4. ประกาศกระทรวงสาธารณสุข เรื่อง กฎเกณฑ์ควบคุมการสัมผัสการรบกวนที่ใดจากอุปกรณ์กลไกการขนถ่าย พ.ศ. 2561

Reference Method :  
1. ISO 1996-1  
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงตามระดับเสียงที่คาดการณ์การประกอบกิจการโรงงาน พ.ศ. 2553

มาตรฐาน  
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการขนถ่ายระดับเสียงที่คาดการณ์การประกอบกิจการโรงงาน พ.ศ. 2548

2. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการขนถ่ายระดับเสียงที่คาดการณ์การประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

ระดับเสียงที่ตรวจวัดและระดับเสียงขณะไม่มีการขนถ่าย (Sample No.229538-4 วันที่ตรวจวัด 31 ธันวาคม 2565-01 มกราคม 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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580665-1



TESTING  
No.0042

Page 2 of 3

Sample No. 2314125-23  
Parameter เลื่อนรถขน  
Location อำเภอเมืองระยอง (GPS 47P 0727619, 1433056)  
Measurement Date Feb 15 - 16, 2023  
Measurement by Chatchal Sukpia  
Sound Level Meter 01122607

ระดับเสียง (dB(A))								
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขนถ่าย	ผลต่างระดับเสียง	ค่าปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงที่ทราบการขนถ่าย	ค่าประเมินการขนถ่าย
					ค่าจริง	ค่าปรับ		
12:25 AM - 12:30 AM	64.3	51.8	12.5	0.0	-	67.3	50.3	17.0
12:30 AM - 12:35 AM	64.4	51.9	12.5	0.0	-	67.4	50.4	17.2
12:35 AM - 12:40 AM	64.5	51.5	13.0	0.0	-	67.5	50.2	17.3
12:40 AM - 12:45 AM	64.5	51.6	12.9	0.0	-	67.5	50.1	17.4
12:45 AM - 12:50 AM	64.6	51.9	12.7	0.0	-	67.6	50.6	17.0
12:50 AM - 12:55 AM	64.5	58.0	6.5	1.0	-	66.5	50.8	15.7
12:55 AM - 01:00 AM	64.5	61.2	3.3	3.0	-	67.3	50.3	13.8
01:00 AM - 01:05 AM	64.5	51.8	12.7	0.0	-	67.5	50.6	16.9
01:05 AM - 01:10 AM	64.4	51.6	12.8	0.0	-	67.4	50.6	16.8
01:10 AM - 01:15 AM	64.3	51.4	12.9	0.0	-	67.3	50.3	17.0
01:15 AM - 01:20 AM	64.3	51.3	13.0	0.0	-	67.3	50.2	17.0
01:20 AM - 01:25 AM	64.3	51.5	12.8	0.0	-	67.3	50.2	17.1
01:25 AM - 01:30 AM	64.3	51.9	12.4	0.5	-	66.8	50.5	16.3
01:30 AM - 01:35 AM	64.3	52.0	12.3	0.5	-	66.8	50.7	16.1
01:35 AM - 01:40 AM	64.1	52.1	12.0	0.0	-	66.7	50.7	16.7
01:40 AM - 01:45 AM	64.5	51.9	12.6	0.0	-	67.5	50.6	16.9
01:45 AM - 01:50 AM	64.7	51.5	13.2	0.0	-	67.7	50.4	17.3
01:50 AM - 01:55 AM	64.7	51.6	13.1	0.0	-	67.7	50.5	17.2
01:55 AM - 02:00 AM	64.6	51.9	12.6	0.0	-	67.6	50.1	17.3
02:00 AM - 02:05 AM	64.4	51.5	12.9	0.0	-	67.4	50.2	17.2
02:05 AM - 02:10 AM	64.4	51.2	13.2	0.0	-	67.4	50.2	17.2
02:10 AM - 02:15 AM	64.2	51.3	12.9	0.0	-	67.2	50.1	17.1
02:15 AM - 02:20 AM	64.1	51.5	12.6	0.0	-	67.1	50.2	16.9
02:20 AM - 02:25 AM	64.5	51.1	13.4	0.0	-	67.5	50.0	17.4
02:25 AM - 02:30 AM	64.4	51.0	13.4	0.0	-	67.4	50.0	17.4
02:30 AM - 02:35 AM	64.5	51.6	12.9	0.0	-	67.5	50.2	17.3
02:35 AM - 02:40 AM	64.6	51.0	13.6	0.0	-	67.6	50.0	17.6
02:40 AM - 02:45 AM	64.5	51.5	13.0	0.0	-	67.5	50.0	17.5
02:45 AM - 02:50 AM	64.5	53.6	10.9	0.5	-	67.0	50.0	17.0
02:50 AM - 02:55 AM	64.9	51.1	13.8	0.0	-	67.9	49.9	18.0
02:55 AM - 03:00 AM	64.7	52.0	12.7	0.0	-	67.7	50.2	17.5
03:00 AM - 03:05 AM	64.9	51.9	13.0	0.0	-	67.9	50.1	17.5
03:05 AM - 03:10 AM	64.6	51.3	13.3	0.0	-	67.6	50.1	17.5
03:10 AM - 03:15 AM	64.7	51.0	13.7	0.0	-	67.7	50.1	17.6
03:15 AM - 03:20 AM	64.8	51.2	13.6	0.0	-	67.8	50.0	17.8
03:20 AM - 03:25 AM	64.6	51.3	13.3	0.0	-	67.7	49.9	17.8
03:25 AM - 03:30 AM	64.7	51.0	13.7	0.0	-	67.7	49.9	17.8
03:30 AM - 03:35 AM	64.8	51.0	13.8	0.0	-	67.8	50.0	17.8
03:35 AM - 03:40 AM	64.6	51.3	13.3	0.0	-	67.6	50.1	17.5
03:40 AM - 03:45 AM	64.7	51.3	13.4	0.0	-	67.7	50.1	17.5





## Analysis / Test Report

Client : UACI (Thailand) Co., Ltd.  
7/352 Moo 6, Amata City Industrial Estate, T. Mabanyongpuri, A. Pluakdaeng, Rayong  
Thailand 21140  
P/O : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580666-1

Page 3 of 3

Sample No. 2314125-23  
Parameter เสียงรบกวน  
Location ตำบลเพ็ดเลี้ยวโครงการ (GPS 47P 0727619, 1433056)  
Measurement Date Feb 15 - 16, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 01122607

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ผลต่าง	ค่าปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงที่ปรับ	ค่าระดับการรบกวน
					กลางวัน	กลางคืน		
03:45 AM - 03:50 AM	64.6	50.8	13.8	0.0	-	67.6	49.8	17.3
03:50 AM - 03:55 AM	64.5	51.3	13.2	0.0	-	67.5	50.2	17.3
03:55 AM - 04:00 AM	64.4	51.3	13.1	0.0	-	67.4	50.1	17.3
04:00 AM - 04:05 AM	64.6	51.1	13.5	0.0	-	67.6	50.2	17.4
04:05 AM - 04:10 AM	64.8	51.1	13.7	0.0	-	67.8	50.1	17.7
04:10 AM - 04:15 AM	64.8	51.0	13.8	0.0	-	67.8	50.1	17.7
04:15 AM - 04:20 AM	64.9	51.7	13.2	0.0	-	67.9	50.2	17.7
04:20 AM - 04:25 AM	65.1	51.4	13.7	0.0	-	68.1	50.1	18.0
04:25 AM - 04:30 AM	64.9	52.3	12.6	0.0	-	67.9	50.2	17.7
04:30 AM - 04:35 AM	65.1	51.4	13.7	0.0	-	68.1	50.3	17.8
04:35 AM - 04:40 AM	65.1	51.3	13.8	0.0	-	68.1	50.2	17.9
04:40 AM - 04:45 AM	64.9	51.2	13.7	0.0	-	67.9	49.9	18.0
04:45 AM - 04:50 AM	65.2	50.8	14.4	0.0	-	68.2	49.6	18.6
04:50 AM - 04:55 AM	65.1	50.8	14.3	0.0	-	68.1	49.8	18.3
04:55 AM - 05:00 AM	65.5	60.9	4.6	1.5	-	67.0	50.1	16.9
05:00 AM - 05:05 AM	65.9	50.9	15.0	0.0	-	68.9	50.0	18.9
05:05 AM - 05:10 AM	66.1	51.2	14.9	0.0	-	69.1	49.9	19.2
05:10 AM - 05:15 AM	65.9	51.1	14.8	0.0	-	68.9	49.9	19.0
05:15 AM - 05:20 AM	66.0	51.1	14.9	0.0	-	69.0	50.2	18.8
05:20 AM - 05:25 AM	66.3	57.3	9.0	0.5	-	68.8	49.9	18.9
05:25 AM - 05:30 AM	66.5	57.3	9.2	0.5	-	69.0	49.9	19.1
05:30 AM - 05:35 AM	66.2	51.1	15.1	0.0	-	69.2	50.0	19.2
05:35 AM - 05:40 AM	66.6	50.8	15.8	0.0	-	69.6	49.9	19.7
05:40 AM - 05:45 AM	66.6	51.1	15.5	0.0	-	69.6	50.0	19.6
05:45 AM - 05:50 AM	66.7	51.1	15.6	0.0	-	69.7	50.0	19.7
05:50 AM - 05:55 AM	66.7	51.6	15.1	0.0	-	69.7	50.4	19.3
05:55 AM - 06:00 AM	66.7	54.1	12.6	0.0	-	69.7	50.3	19.4
06:00 AM - 07:00 AM	67.4	52.0	15.4	0.0	67.4	-	50.6	16.8
07:00 AM - 08:00 AM	67.9	52.7	15.2	0.0	67.4	-	51.0	19.4
08:00 AM - 09:00 AM	67.0	62.7	4.3	2.0	65.0	-	56.5	8.5
09:00 AM - 10:00 AM	66.5	58.2	8.3	0.5	66.0	-	52.8	13.2
10:00 AM - 11:00 AM	66.0	52.8	13.2	0.0	66.0	-	50.4	15.6

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

หมายเหตุ :  
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่ามาตรฐานเสียงรบกวนและระดับเสียงที่ได้จากการประกอบกิจการโรงงาน พ.ศ. 2548  
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่ามาตรฐานเสียงรบกวนและระดับเสียงที่ได้จากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561  
ระดับเสียงตามมาตรฐาน ประกาศกระทรวง 16-17 มาตราที่ 2566  
ระดับเสียงที่ตรวจวัดและระดับเสียงขณะไม่มีการรบกวน (Sample No.2292538-4 ชนิดตรวจวัด 31 ธันวาคม 2565-01 มกราคม 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 : UACI (Thailand) Co., Ltd.  
7/352 Moo 6, Amata City Industrial Estate, T. Mabanyongpuri, A. Pluakdaeng, Rayong  
Thailand 21140  
P/O : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580667-1

Page 2 of 3

Sample No. 2314125-24  
Parameter เสียงรบกวน  
Location ตำบลเพ็ดเลี้ยวโครงการ (GPS 47P 0727619, 1433056)  
Measurement Date Feb 16 - 17, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 01122607

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ผลต่าง	ค่าปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงที่ปรับ	ค่าระดับการรบกวน
					กลางวัน	กลางคืน		
12:25 AM - 12:30 AM	66.0	51.8	14.2	0.0	-	69.0	50.3	18.7
12:30 AM - 12:35 AM	66.0	51.9	14.1	0.0	-	69.0	50.2	18.8
12:35 AM - 12:40 AM	66.2	51.5	14.7	0.0	-	69.2	50.2	19.0
12:40 AM - 12:45 AM	66.5	51.6	14.9	0.0	-	69.5	50.1	19.4
12:45 AM - 12:50 AM	66.5	51.9	14.6	0.0	-	69.5	50.6	18.9
12:50 AM - 12:55 AM	66.4	58.0	8.4	0.5	-	68.9	50.8	18.1
12:55 AM - 01:00 AM	66.4	61.2	5.2	1.5	-	67.9	50.7	17.2
01:00 AM - 01:05 AM	66.3	51.8	14.5	0.0	-	69.3	50.6	18.7
01:05 AM - 01:10 AM	66.1	51.6	14.5	0.0	-	69.1	50.6	18.5
01:10 AM - 01:15 AM	66.0	51.4	14.6	0.0	-	69.0	50.3	18.7
01:15 AM - 01:20 AM	66.0	51.3	14.7	0.0	-	69.0	50.3	18.7
01:20 AM - 01:25 AM	66.2	51.5	14.7	0.0	-	69.2	50.6	18.6
01:25 AM - 01:30 AM	66.3	51.9	14.4	0.0	-	69.3	50.5	18.8
01:30 AM - 01:35 AM	66.1	52.0	14.1	0.0	-	69.1	50.7	18.4
01:35 AM - 01:40 AM	66.0	51.4	14.6	0.0	-	69.0	50.4	18.6
01:40 AM - 01:45 AM	66.2	51.9	14.3	0.0	-	69.2	50.6	18.6
01:45 AM - 01:50 AM	66.2	51.5	14.7	0.0	-	69.2	50.4	18.8
01:50 AM - 01:55 AM	66.1	51.6	14.5	0.0	-	69.1	50.5	18.6
01:55 AM - 02:00 AM	66.2	51.5	14.7	0.0	-	69.2	50.3	18.9
02:00 AM - 02:05 AM	66.4	51.5	14.9	0.0	-	69.4	50.2	19.2
02:05 AM - 02:10 AM	66.4	51.2	15.2	0.0	-	69.4	50.0	19.4
02:10 AM - 02:15 AM	66.6	51.3	15.3	0.0	-	69.6	50.1	19.5
02:15 AM - 02:20 AM	66.4	51.5	14.9	0.0	-	69.4	50.2	19.2
02:20 AM - 02:25 AM	66.4	51.1	15.3	0.0	-	69.4	50.3	19.4
02:25 AM - 02:30 AM	66.4	51.0	15.4	0.0	-	69.4	50.2	19.4
02:30 AM - 02:35 AM	66.4	51.6	14.8	0.0	-	69.4	50.2	19.2
02:35 AM - 02:40 AM	66.3	51.0	15.3	0.0	-	69.3	50.0	19.3
02:40 AM - 02:45 AM	66.2	51.3	14.9	0.0	-	69.2	50.0	19.4
02:45 AM - 02:50 AM	66.4	52.3	12.8	0.0	-	69.4	50.0	19.4
02:50 AM - 02:55 AM	66.5	51.1	15.4	0.0	-	69.5	49.9	19.6
02:55 AM - 03:00 AM	66.5	52.0	14.5	0.0	-	69.5	50.2	19.3
03:00 AM - 03:05 AM	66.5	51.9	14.6	0.0	-	69.5	50.1	19.4
03:05 AM - 03:10 AM	66.4	51.3	15.1	0.0	-	69.4	50.1	19.3
03:10 AM - 03:15 AM	66.4	51.0	15.4	0.0	-	69.4	50.1	19.3
03:15 AM - 03:20 AM	66.2	51.2	15.0	0.0	-	69.2	50.0	19.2
03:20 AM - 03:25 AM	66.3	51.1	15.2	0.0	-	69.3	49.8	19.5
03:25 AM - 03:30 AM	66.4	51.0	15.4	0.0	-	69.4	49.9	19.5
03:30 AM - 03:35 AM	66.3	51.0	15.3	0.0	-	69.3	50.0	19.3
03:35 AM - 03:40 AM	66.4	51.3	15.1	0.0	-	69.4	50.1	19.3
03:40 AM - 03:45 AM	66.1	51.1	15.0	0.0	-	69.1	50.2	18.9

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  
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## Analysis / Test Report

Client : UACI (Thailand) Co., Ltd.  
7/352 Moo 6, Amata City Industrial Estate, T. Mabanyongpuri, A. Pluakdaeng, Rayong  
Thailand 21140  
P/O : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580667-1

Page 3 of 3

Sample No. 2314125-24  
Parameter เสียงรบกวน  
Location ตำบลเพ็ดเลี้ยวโครงการ (GPS 47P 0727619, 1433056)  
Measurement Date Feb 16 - 17, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 01122607

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ผลต่างระดับเสียง	ค่าปรับ	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงที่ปรับ	ค่าระดับการรบกวน	
					กลางวัน	กลางคืน			
11:00 AM - 12:00 PM	65.8	54.2	11.6	0.5	-	65.3	-	50.2	15.1
12:00 PM - 01:00 PM	65.8	53.7	12.1	0.5	-	65.3	-	49.9	15.4
01:00 PM - 02:00 PM	66.1	52.6	13.5	0.0	-	66.1	-	50.3	15.8
02:00 PM - 03:00 PM	65.0	53.5	11.5	0.5	-	64.5	-	50.5	14.0
03:00 PM - 04:00 PM	64.9	52.9	12.0	0.5	-	64.4	-	50.2	14.2
04:00 PM - 05:00 PM	66.1	54.3	11.8	0.5	-	65.6	-	50.2	15.4
05:00 PM - 06:00 PM	66.4	54.2	12.2	0.5	-	65.9	-	50.5	15.4
06:00 PM - 07:00 PM	66.5	53.3	13.2	0.0	-	66.5	-	50.5	16.0
07:00 PM - 08:00 PM	66.4	59.0	7.4	1.0	-	65.4	-	50.7	14.7
08:00 PM - 09:00 PM	66.7	54.6	12.1	0.5	-	66.2	-	51.0	15.2
09:00 PM - 10:00 PM	66.2	51.8	14.4	0.0	-	66.2	-	50.2	16.0
10:00 PM - 10:05 PM	66.2	51.2	15.0	0.0	-	66.2	-	50.1	19.1
10:05 PM - 10:10 PM	66.9	51.1	15.8	0.0	-	66.9	-	50.1	19.8
10:10 PM - 10:15 PM	65.9	51.2	14.7	0.0	-	65.9	-	50.3	18.6
10:15 PM - 10:20 PM	65.9	51.5	14.4	0.0	-	65.9	-	49.9	19.0
10:20 PM - 10:25 PM	66.1	51.3	14.8	0.0	-	66.1	-	50.0	19.1
10:25 PM - 10:30 PM	65.9	51.0	14.9	0.0	-	65.9	-	49.9	19.0
10:30 PM - 10:35 PM	66.0	51.0	15.0	0.0	-	66.0	-	49.9	19.1
10:35 PM - 10:40 PM	66.1	51.7	14.4	0.0	-	66.1	-	50.0	19.1
10:40 PM - 10:45 PM	66.1	51.0	15.1	0.0	-	66.1	-	50.0	19.1
10:45 PM - 10:50 PM	66.0	51.4	14.6	0.0	-	66.0	-	50.3	18.7
10:50 PM - 10:55 PM	66.1	51.4	14.7	0.0	-	66.1	-	50.0	19.1
10:55 PM - 11:00 PM	66.1	51.2	14.9	0.0	-	66.1	-	50.2	18.9
11:00 PM - 11:05 PM	66.1	52.1	14.0	0.0	-	66.1	-	49.9	19.2
11:05 PM - 11:10 PM	66.2	51.2	15.0	0.0	-	66.2	-	50.1	19.1
11:10 PM - 11:15 PM	66.1	51.3	14.8	0.0	-	66.1	-	50.1	19.0
11:15 PM - 11:20 PM	66.2	53.2	13.0	0.0	-	66.2	-	50.2	19.0
11:20 PM - 11:25 PM	66.1	51.5	14.6	0.0	-	66.1	-	50.3	18.8
11:25 PM - 11:30 PM	66.1	51.9	14.2	0.0	-	66.1	-	50.6	18.5
11:30 PM - 11:35 PM	66.0	51.6	14.4	0.0	-	66.0	-	50.4	18.5
11:35 PM - 11:40 PM	65.9	52.6	13.3	0.0	-	65.9	-	50.4	18.5
11:40 PM - 11:45 PM	65.9	52.2	13.9	0.0	-	65.9	-	50.5	18.6
11:45 PM - 11:50 PM	66.1	52.1	14.0	0.0	-	66.1	-	50.4	18.7
11:50 PM - 11:55 PM	66.0	52.2	13.8	0.0	-	66.0	-	50.5	18.0
11:55 PM - 12:00 AM	62.6	3.4	3.4	3.0	-	65.6	-	52.4	14.0
12:00 AM - 12:05 AM	66.2	55.1	11.1	0.5	-	66.7	-	50.7	18.0
12:05 AM - 12:10 AM	66.1	51.8	14.3	0.0	-	66.1	-	50.4	18.7
12:10 AM - 12:15 AM	66.1	51.5	14.6	0.0	-	66.1	-	50.4	18.7
12:15 AM - 12:20 AM	65.9	51.6	14.6	0.0	-	65.9	-	50.1	18.8
12:20 AM - 12:25 AM	65.9	51.5	14.4	0.0	-	65.9	-	50.4	18.5



## Analysis / Test Report

Client : UACI (Thailand) Co., Ltd.  
7/352 Moo 6, Amata City Industrial Estate, T. Mabangporm, A. Pluakdaeng, Rayong  
Thailand 21140  
P/O : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580668-1

Page 1 of 3

Sample No. 2314125-25  
Parameter เสียงรบกวน  
Location ตำบลเพ็ญแขวงโคกกรวย (GPS 47P 0727619, 1433056)  
Measurement Date Feb 17 - 18, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 01122607

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ระดับเสียง (dB(A))		ค่าระดับการรบกวน
			ผลต่าง	ค่าปรับ	
11:00 AM - 12:00 PM	65.6	54.2	11.4	0.5	65.1
12:00 PM - 01:00 PM	65.9	53.7	12.2	0.5	65.4
01:00 PM - 02:00 PM	66.1	52.6	13.5	0.0	66.1
02:00 PM - 03:00 PM	66.1	53.5	12.6	0.0	66.1
03:00 PM - 04:00 PM	65.7	52.9	12.8	0.0	65.7
04:00 PM - 05:00 PM	65.0	54.3	10.7	0.5	64.5
05:00 PM - 06:00 PM	64.8	54.2	10.6	0.5	64.3
06:00 PM - 07:00 PM	65.6	53.3	12.3	0.5	65.1
07:00 PM - 08:00 PM	65.9	59.0	6.9	1.0	64.9
08:00 PM - 09:00 PM	65.7	54.6	11.1	0.5	65.2
09:00 PM - 10:00 PM	66.1	51.8	14.3	0.0	66.1
10:00 PM - 10:55 PM	65.8	51.2	14.6	0.0	65.8
10:55 PM - 11:00 PM	65.8	51.1	14.7	0.0	65.8
11:00 PM - 11:05 PM	65.7	51.2	14.5	0.0	65.7
11:05 PM - 11:10 PM	65.7	51.5	14.2	0.0	65.7
11:10 PM - 11:15 PM	65.7	51.3	14.4	0.0	65.7
11:15 PM - 11:20 PM	65.9	51.0	14.9	0.0	65.9
11:20 PM - 11:25 PM	66.0	51.0	15.0	0.0	66.0
11:25 PM - 11:30 PM	65.9	51.7	14.2	0.0	65.9
11:30 PM - 11:35 PM	65.9	51.0	14.9	0.0	65.9
11:35 PM - 11:40 PM	65.9	51.4	14.5	0.0	65.9
11:40 PM - 11:45 PM	65.9	51.4	14.5	0.0	65.9
11:45 PM - 11:50 PM	65.7	51.4	14.3	0.0	65.7
11:50 PM - 11:55 PM	65.8	51.2	14.6	0.0	65.8
11:55 PM - 12:00 AM	65.9	52.1	13.8	0.0	65.9
12:00 AM - 11:05 PM	66.0	51.2	14.8	0.0	66.0
11:05 PM - 11:10 PM	66.1	51.3	14.8	0.0	66.1
11:10 PM - 11:15 PM	65.9	53.2	12.7	0.0	65.9
11:15 PM - 11:20 PM	65.8	51.5	14.3	0.0	65.8
11:20 PM - 11:25 PM	65.8	51.9	13.9	0.0	65.8
11:25 PM - 11:30 PM	65.8	51.6	14.2	0.0	65.8
11:30 PM - 11:35 PM	65.7	52.6	13.1	0.0	65.7
11:35 PM - 11:40 PM	65.9	52.2	13.7	0.0	65.9
11:40 PM - 11:45 PM	65.9	52.1	13.8	0.0	65.9
11:45 PM - 11:50 PM	66.0	52.1	13.9	0.0	66.0
11:50 PM - 11:55 PM	66.3	52.2	14.1	0.0	66.3
11:55 PM - 12:00 AM	66.3	52.6	13.7	0.0	66.3
12:00 AM - 12:05 AM	66.0	55.1	10.9	0.5	65.5
12:05 AM - 12:10 AM	66.1	51.8	14.3	0.0	66.1
12:10 AM - 12:15 AM	65.9	51.5	14.4	0.0	65.9
12:15 AM - 12:20 AM	66.1	51.3	14.8	0.0	66.1
12:20 AM - 12:25 AM	66.2	51.5	14.7	0.0	66.2

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## Analysis / Test Report

Client : UACI (Thailand) Co., Ltd.  
7/352 Moo 6, Amata City Industrial Estate, T. Mabangporm, A. Pluakdaeng, Rayong  
Thailand 21140  
P/O : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580668-1

Page 2 of 3

Sample No. 2314125-25  
Parameter เสียงรบกวน  
Location ตำบลเพ็ญแขวงโคกกรวย (GPS 47P 0727619, 1433056)  
Measurement Date Feb 17 - 18, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 01122607

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ระดับเสียง (dB(A))		ค่าระดับการรบกวน
			ผลต่าง	ค่าปรับ	
12:25 AM - 12:30 AM	66.3	51.8	14.5	0.0	66.3
12:30 AM - 12:35 AM	66.2	51.9	14.3	0.0	66.2
12:35 AM - 12:40 AM	66.3	51.5	14.8	0.0	66.3
12:40 AM - 12:45 AM	66.3	51.6	14.7	0.0	66.3
12:45 AM - 12:50 AM	66.2	51.9	14.3	0.0	66.2
12:50 AM - 12:55 AM	66.2	58.0	8.2	0.5	65.7
12:55 AM - 01:00 AM	66.2	61.2	5.0	1.5	64.7
01:00 AM - 01:05 AM	66.1	51.8	14.3	0.0	66.1
01:05 AM - 01:10 AM	66.1	51.6	14.5	0.0	66.1
01:10 AM - 01:15 AM	66.1	51.4	14.7	0.0	66.1
01:15 AM - 01:20 AM	66.3	51.3	15.0	0.0	66.3
01:20 AM - 01:25 AM	66.0	51.5	14.5	0.0	66.0
01:25 AM - 01:30 AM	65.8	51.9	13.9	0.0	65.8
01:30 AM - 01:35 AM	66.2	52.0	14.2	0.0	66.2
01:35 AM - 01:40 AM	66.7	51.4	15.3	0.0	66.7
01:40 AM - 01:45 AM	66.0	51.9	14.1	0.0	66.0
01:45 AM - 01:50 AM	66.2	51.5	14.7	0.0	66.2
01:50 AM - 01:55 AM	66.4	51.6	14.8	0.0	66.4
01:55 AM - 02:00 AM	66.2	51.5	14.7	0.0	66.2
02:00 AM - 02:05 AM	66.1	51.5	14.6	0.0	66.1
02:05 AM - 02:10 AM	66.2	51.2	15.0	0.0	66.2
02:10 AM - 02:15 AM	66.3	51.3	15.0	0.0	66.3
02:15 AM - 02:20 AM	66.1	51.5	14.6	0.0	66.1
02:20 AM - 02:25 AM	66.2	51.1	15.1	0.0	66.2
02:25 AM - 02:30 AM	66.2	51.0	15.2	0.0	66.2
02:30 AM - 02:35 AM	66.7	51.6	15.1	0.0	66.7
02:35 AM - 02:40 AM	66.6	51.0	15.6	0.0	66.6
02:40 AM - 02:45 AM	66.5	51.3	15.2	0.0	66.5
02:45 AM - 02:50 AM	66.4	53.6	12.8	0.0	66.4
02:50 AM - 02:55 AM	66.3	51.1	15.2	0.0	66.3
02:55 AM - 03:00 AM	65.9	52.0	13.9	0.0	65.9
03:00 AM - 03:05 AM	66.0	51.9	14.1	0.0	66.0
03:05 AM - 03:10 AM	65.9	51.3	14.6	0.0	65.9
03:10 AM - 03:15 AM	65.7	51.0	14.7	0.0	65.7
03:15 AM - 03:20 AM	65.9	51.2	14.7	0.0	65.9
03:20 AM - 03:25 AM	65.8	51.1	14.7	0.0	65.8
03:25 AM - 03:30 AM	65.8	51.0	14.8	0.0	65.8
03:30 AM - 03:35 AM	65.9	51.0	14.9	0.0	65.9
03:35 AM - 03:40 AM	65.8	51.3	14.5	0.0	65.8
03:40 AM - 03:45 AM	66.0	51.1	14.9	0.0	66.0

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## Analysis / Test Report

Client : UACI (Thailand) Co., Ltd.  
7/352 Moo 6, Amata City Industrial Estate, T. Mabangporm, A. Pluakdaeng, Rayong  
Thailand 21140  
P/O : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580668-1

Page 3 of 3

Sample No. 2314125-25  
Parameter เสียงรบกวน  
Location ตำบลเพ็ญแขวงโคกกรวย (GPS 47P 0727619, 1433056)  
Measurement Date Feb 17 - 18, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 01122607

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ระดับเสียง (dB(A))		ค่าระดับการรบกวน
			ผลต่าง	ค่าปรับ	
03:45 AM - 03:50 AM	65.9	50.8	15.1	0.0	65.9
03:50 AM - 03:55 AM	66.0	51.3	14.7	0.0	66.0
03:55 AM - 04:00 AM	66.1	51.3	14.8	0.0	66.1
04:00 AM - 04:05 AM	66.2	51.1	15.1	0.0	66.2
04:05 AM - 04:10 AM	66.1	51.1	15.0	0.0	66.1
04:10 AM - 04:15 AM	66.3	51.0	15.3	0.0	66.3
04:15 AM - 04:20 AM	66.0	51.7	14.3	0.0	66.0
04:20 AM - 04:25 AM	66.1	51.4	14.7	0.0	66.1
04:25 AM - 04:30 AM	66.0	52.3	13.7	0.0	66.0
04:30 AM - 04:35 AM	65.9	51.4	14.5	0.0	65.9
04:35 AM - 04:40 AM	66.0	51.3	14.7	0.0	66.0
04:40 AM - 04:45 AM	65.9	51.2	14.7	0.0	65.9
04:45 AM - 04:50 AM	65.9	50.8	15.1	0.0	65.9
04:50 AM - 04:55 AM	65.9	50.8	15.1	0.0	65.9
04:55 AM - 05:00 AM	66.1	60.9	5.2	1.5	64.6
05:00 AM - 05:05 AM	66.0	50.9	15.1	0.0	66.0
05:05 AM - 05:10 AM	66.2	51.2	15.0	0.0	66.2
05:10 AM - 05:15 AM	66.1	51.1	15.0	0.0	66.1
05:15 AM - 05:20 AM	66.1	51.1	15.0	0.0	66.1
05:20 AM - 05:25 AM	65.9	57.3	8.6	0.5	65.4
05:25 AM - 05:30 AM	66.2	57.3	8.9	0.5	65.7
05:30 AM - 05:35 AM	66.0	51.1	14.9	0.0	66.0
05:35 AM - 05:40 AM	66.1	50.8	15.3	0.0	66.1
05:40 AM - 05:45 AM	66.1	51.1	15.0	0.0	66.1
05:45 AM - 05:50 AM	66.0	51.1	14.9	0.0	66.0
05:50 AM - 05:55 AM	66.2	51.6	14.6	0.0	66.2
05:55 AM - 06:00 AM	66.2	54.1	12.1	0.5	65.7
06:00 AM - 07:00 AM	66.6	52.0	14.6	0.0	66.6
07:00 AM - 08:00 AM	67.0	52.7	14.3	0.0	67.0
08:00 AM - 09:00 AM	66.0	52.7	13.3	0.0	66.0
09:00 AM - 10:00 AM	65.6	58.2	7.4	1.0	64.6
10:00 AM - 11:00 AM	65.7	52.8	12.9	0.0	65.7

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 กำหนดค่ามาตรฐานเสียงที่เกิดจากการประกอบกิจการโรงงานเป็นมาตรฐานของชุมชน พ.ศ. 2561  
ระดับเสียงที่ตรวจวัดตามระดับเสียงขณะไม่มีกิจกรรม (Sample No.2292538-4 ชนิดตรวจวัด 31 ชั่วโมง 2565-01 มกราคม 2566)

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## Analysis / Test Report

Client : UACI (Thailand) Co., Ltd.  
7/352 Moo 6, Amata City Industrial Estate, T. Mabangporm, A. Pluakdaeng, Rayong  
Thailand 21140  
P/O : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580668-1

Page 1 of 3

Sample No. 2314125-26  
Parameter เสียงรบกวน  
Location ตำบลเพ็ญแขวงโคกกรวย (GPS 47P 0727619, 1433056)  
Measurement Date Feb 18 - 19, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 01122607

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ระดับเสียง (dB(A))		ปรับค่าเสียงจากแหล่งกำเนิด		เสียงที่ทราบ	การประเมิน
			ผลต่าง	ตัวปรับค่า	ค่าปรับ	ค่าปรับ		
11:00 AM - 12:00 PM	65.6	54.2	11.4	0.5	65.1	-	50.2	14.9
12:00 PM - 01:00 PM	65.8	53.7	12.1	0.5	65.3	-	49.9	15.4
01:00 PM - 02:00 PM	65.7	52.6	13.1	0.0	65.7	-	50.3	15.4
02:00 PM - 03:00 PM	65.7	53.5	12.2	0.5	65.2	-	50.5	14.7
03:00 PM - 04:00 PM	65.5	52.9	12.6	0.0	65.5	-	50.2	15.3
04:00 PM - 05:00 PM	66.0	54.3	11.7	0.5	65.5	-	50.2	15.2
05:00 PM - 06:00 PM	65.8	54.2	11.6	0.5	65.3	-	50.5	14.8
06:00 PM - 07:00 PM	66.0	53.3	12.7	0.0	66.0	-	50.5	15.5
07:00 PM - 08:00 PM	66.5	59.0	7.5	0.5	66.0	-	50.7	15.3
08:00 PM - 09:00 PM	66.8	54.6	12.2	0.5	66.3	-	51.0	15.3
09:00 PM - 10:00 PM	66.2	51.8	14.4	0.0	66.2	-	50.2	16.0
10:00 PM - 10:05 PM	66.3	51.2	15.1	0.0	-	69.3	50.1	19.2
10:05 PM - 10:10 PM	66.4	51.1	15.3	0.0	-	69.4	50.1	19.3
10:10 PM - 10:15 PM	66.4	51.2	15.2	0.0	-	69.4	50.2	19.1
10:15 PM - 10:20 PM	66.5	51.5	15.0	0.0	-	69.5	49.9	19.6
10:20 PM - 10:25 PM	66.2	51.3	14.9	0.0	-	69.2	50.0	19.2
10:25 PM - 10:30 PM	66.2	51.0	15.2	0.0	-	69.2	49.9	19.3
10:30 PM - 10:35 PM	66.2	51.0	16.2	0.0	-	70.2	49.9	20.3
10:35 PM - 10:40 PM	66.5	51.7	14.8	0.0	-	69.7	50.8	19.5
10:40 PM - 10:45 PM	67.7	51.0	16.7	0.0	-	70.7	50.0	20.7
10:45 PM - 10:50 PM	66.3	51.4	14.9	0.0	-	69.3	50.3	19.0
10:50 PM - 10:55 PM	66.2	51.4	14.8	0.0	-	69.2	50.0	19.2
10:55 PM - 11:00 PM	66.4	51.2	15.2	0.0	-	69.4	50.2	19.2
11:00 PM - 11:05 PM	66.4	52.1	14.3	0.0	-	69.4	49.9	19.5
11:05 PM - 11:10 PM	66.4	51.2	15.2	0.0	-	69.4	50.1	19.3
11:10 PM - 11:15 PM	66.4	51.3	15.1	0.0	-	69.4	50.1	19.3
11:15 PM - 11:20 PM	66.4	51.2	15.2	0.0	-	69.3	50.2	19.2
11:20 PM - 11:25 PM	66.4	51.5	14.9	0.0	-	69.4	50.3	19.1
11:25 PM - 11:30 PM	66.3	51.9	14.4	0.0	-	69.3	50.6	18.7
11:30 PM - 11:35 PM	66.3	51.6	14.7	0.0	-	69.3	50.5	18.8
11:35 PM - 11:40 PM	66.3	51.7	13.7	0.0	-	69.3	50.7	18.9
11:40 PM - 11:45 PM	66.5	52.2	14.3	0.0	-	69.5	50.5	19.0
11:45 PM - 11:50 PM	66.7	52.1	14.6	0.0	-	69.7	50.4	19.3
11:50 PM - 11:55 PM	66.4	52.2	14.2	0.0	-	69.4	50.5	18.6
11:55 PM - 12:00 AM	66.6	51.6	14.0	2.0	-	67.6	52.0	15.9
12:00 AM - 12:05 AM	66.5	55.1	11.4	0.5	-	69.0	50.7	18.3
12:05 AM - 12:10 AM	66.4	51.8	14.6	0.0	-	69.4	50.4	19.0
12:10 AM - 12:15 AM	66.5	51.5	15.0	0.0	-	69.5	50.4	19.1
12:15 AM - 12:20 AM	66.5	51.3	15.2	0.0	-	69.5	50.1	19.4
12:20 AM - 12:25 AM	66.5	51.4	14.8	0.0	-	69.5	50.2	19.3



## 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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580669-1



TESTING  
No.0042

Page 2 of 3

Sample No. 2314125-26  
Parameter เลื่อนรถขน  
Location อำเภอเมืองระยอง (GPS 47P 0727619, 1433056)  
Measurement Date Feb 18 - 19, 2023  
Measurement by Chatchal Sukpia  
Sound Level Meter 01122607

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขนถ่าย	ระดับเสียง (dB(A))		ค่าประเมินการขนถ่าย
			ผลต่าง	ค่าปรับค่า	
12:25 AM - 12:30 AM	66.4	51.8	14.6	0.0	-
12:30 AM - 12:35 AM	66.5	51.9	14.6	0.0	-
12:35 AM - 12:40 AM	66.6	51.5	15.1	0.0	-
12:40 AM - 12:45 AM	66.4	51.6	14.8	0.0	-
12:45 AM - 12:50 AM	66.5	51.9	14.6	0.0	-
12:50 AM - 12:55 AM	66.6	58.0	8.6	0.5	-
12:55 AM - 01:00 AM	66.4	61.2	5.2	1.5	-
01:00 AM - 01:05 AM	66.2	51.8	14.4	0.0	-
01:05 AM - 01:10 AM	66.3	51.6	14.7	0.0	-
01:10 AM - 01:15 AM	66.4	51.4	15.0	0.0	-
01:15 AM - 01:20 AM	66.4	51.3	15.1	0.0	-
01:20 AM - 01:25 AM	66.2	51.5	14.7	0.0	-
01:25 AM - 01:30 AM	66.2	51.9	14.3	0.0	-
01:30 AM - 01:35 AM	66.1	52.0	14.1	0.0	-
01:35 AM - 01:40 AM	66.1	51.4	14.7	0.0	-
01:40 AM - 01:45 AM	66.4	51.9	14.5	0.0	-
01:45 AM - 01:50 AM	66.4	51.5	14.9	0.0	-
01:50 AM - 01:55 AM	66.2	51.6	14.6	0.0	-
01:55 AM - 02:00 AM	66.2	51.5	14.7	0.0	-
02:00 AM - 02:05 AM	66.1	51.5	14.6	0.0	-
02:05 AM - 02:10 AM	66.3	51.2	15.1	0.0	-
02:10 AM - 02:15 AM	66.5	51.3	15.2	0.0	-
02:15 AM - 02:20 AM	66.6	51.5	15.1	0.0	-
02:20 AM - 02:25 AM	66.4	51.1	15.3	0.0	-
02:25 AM - 02:30 AM	66.4	51.0	15.4	0.0	-
02:30 AM - 02:35 AM	66.5	51.6	14.9	0.0	-
02:35 AM - 02:40 AM	66.2	51.0	15.2	0.0	-
02:40 AM - 02:45 AM	66.3	51.3	15.0	0.0	-
02:45 AM - 02:50 AM	66.2	53.6	12.6	0.0	-
02:50 AM - 02:55 AM	66.1	51.1	15.0	0.0	-
02:55 AM - 03:00 AM	66.3	52.0	14.3	0.0	-
03:00 AM - 03:05 AM	66.1	51.9	14.2	0.0	-
03:05 AM - 03:10 AM	66.2	51.3	14.9	0.0	-
03:10 AM - 03:15 AM	66.3	51.0	15.3	0.0	-
03:15 AM - 03:20 AM	66.2	51.2	15.0	0.0	-
03:20 AM - 03:25 AM	66.3	51.1	15.2	0.0	-
03:25 AM - 03:30 AM	66.3	51.0	15.3	0.0	-
03:30 AM - 03:35 AM	66.5	51.0	15.5	0.0	-
03:35 AM - 03:40 AM	66.7	51.3	15.4	0.0	-
03:40 AM - 03:45 AM	66.9	51.1	15.8	0.0	-

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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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580670-1



TESTING  
No.0042

Page 1 of 3

Sample No. 2314125-27  
Parameter เลื่อนรถขน  
Location อำเภอเมืองระยอง (GPS 47P 0727619, 1433056)  
Measurement Date Feb 19 - 20, 2023  
Measurement by Chatchal Sukpia  
Sound Level Meter 01122607

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขนถ่าย	ระดับเสียง (dB(A))		ค่าประเมินการขนถ่าย
			ผลต่าง	ค่าปรับค่า	
11:00 AM - 12:00 PM	65.2	54.2	11.0	0.5	64.7
12:00 PM - 01:00 PM	65.1	53.7	11.4	0.5	64.6
01:00 PM - 02:00 PM	65.2	52.6	12.6	0.0	65.2
02:00 PM - 03:00 PM	64.8	51.3	13.5	0.5	64.3
03:00 PM - 04:00 PM	64.7	52.9	11.8	0.5	64.2
04:00 PM - 05:00 PM	65.0	54.3	10.7	0.5	64.5
05:00 PM - 06:00 PM	65.3	54.2	11.1	0.5	64.8
06:00 PM - 07:00 PM	65.7	52.4	13.4	0.5	65.2
07:00 PM - 08:00 PM	66.0	59.0	7.0	1.0	65.0
08:00 PM - 09:00 PM	66.1	54.6	11.5	0.5	65.6
09:00 PM - 10:00 PM	65.9	51.8	14.1	0.0	65.9
10:00 PM - 10:05 PM	66.0	51.1	14.9	0.0	66.0
10:05 PM - 10:10 PM	66.2	51.1	15.1	0.0	66.2
10:10 PM - 10:15 PM	66.1	51.2	14.9	0.0	66.1
10:15 PM - 10:20 PM	66.0	51.5	14.5	0.0	66.0
10:20 PM - 10:25 PM	66.1	51.3	14.8	0.0	66.1
10:25 PM - 10:30 PM	65.9	51.0	14.9	0.0	65.9
10:30 PM - 10:35 PM	66.7	51.0	15.7	0.0	66.7
10:35 PM - 10:40 PM	65.8	51.7	14.1	0.0	65.8
10:40 PM - 10:45 PM	65.9	51.9	14.0	0.0	65.9
10:45 PM - 10:50 PM	65.9	51.4	14.5	0.0	65.9
10:50 PM - 10:55 PM	66.2	51.4	14.8	0.0	66.2
10:55 PM - 11:00 PM	65.7	51.2	14.5	0.0	65.7
11:00 PM - 11:05 PM	65.8	52.1	13.7	0.0	65.8
11:05 PM - 11:10 PM	66.0	51.2	14.8	0.0	66.0
11:10 PM - 11:15 PM	66.0	51.3	14.7	0.0	66.0
11:15 PM - 11:20 PM	66.5	53.2	13.3	0.0	66.5
11:20 PM - 11:25 PM	66.4	51.5	14.9	0.0	66.4
11:25 PM - 11:30 PM	65.8	51.9	13.9	0.0	65.8
11:30 PM - 11:35 PM	65.8	51.6	14.2	0.0	65.8
11:35 PM - 11:40 PM	65.9	52.6	13.3	0.0	65.9
11:40 PM - 11:45 PM	66.0	52.2	13.8	0.0	66.0
11:45 PM - 11:50 PM	66.1	52.1	14.0	0.0	66.1
11:50 PM - 11:55 PM	66.2	52.2	14.0	0.0	66.2
11:55 PM - 12:00 AM	66.0	62.6	3.4	3.0	66.0
12:00 AM - 12:05 AM	66.2	55.1	11.1	0.5	66.2
12:05 AM - 12:10 AM	66.4	51.8	14.6	0.0	66.4
12:10 AM - 12:15 AM	66.2	51.5	14.7	0.0	66.2
12:15 AM - 12:20 AM	66.3	51.3	15.0	0.0	66.3
12:20 AM - 12:25 AM	66.2	51.5	14.7	0.0	66.2

The above results are valid only for the analyzed/tested sample(s) as indicated in the 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 : UACI (Thailand) Co., Ltd.  
7/352 Moo 6, Amata City Industrial Estate, T. Mabangpore, A. Pluakdaeng, Rayong  
Thailand 21140  
P/O : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580669-1

Page 3 of 3

Sample No. 2314125-26  
Parameter เลื่อนรถขน  
Location อำเภอเมืองระยอง (GPS 47P 0727619, 1433056)  
Measurement Date Feb 18 - 19, 2023  
Measurement by Chatchal Sukpia  
Sound Level Meter 01122607

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขนถ่าย	ระดับเสียง (dB(A))		ค่าประเมินการขนถ่าย
			ผลต่าง	ค่าปรับค่า	
03:45 AM - 03:50 AM	67.0	50.8	16.2	0.0	-
03:50 AM - 03:55 AM	66.8	51.3	15.5	0.0	-
03:55 AM - 04:00 AM	67.0	51.3	15.7	0.0	-
04:00 AM - 04:05 AM	66.8	51.1	15.7	0.0	-
04:05 AM - 04:10 AM	66.4	51.1	15.3	0.0	-
04:10 AM - 04:15 AM	66.5	51.0	15.5	0.0	-
04:15 AM - 04:20 AM	66.4	51.7	14.7	0.0	-
04:20 AM - 04:25 AM	66.5	51.4	15.1	0.0	-
04:25 AM - 04:30 AM	66.4	52.3	14.1	0.0	-
04:30 AM - 04:35 AM	66.2	51.4	14.8	0.0	-
04:35 AM - 04:40 AM	66.3	51.3	15.0	0.0	-
04:40 AM - 04:45 AM	66.4	51.2	15.2	0.0	-
04:45 AM - 04:50 AM	66.5	50.8	15.7	0.0	-
04:50 AM - 04:55 AM	66.4	50.8	15.6	0.0	-
04:55 AM - 05:00 AM	66.4	60.9	5.5	1.5	-
05:00 AM - 05:05 AM	66.4	50.9	15.5	0.0	-
05:05 AM - 05:10 AM	66.7	51.2	15.5	0.0	-
05:10 AM - 05:15 AM	66.7	51.1	15.6	0.0	-
05:15 AM - 05:20 AM	66.7	51.1	15.6	0.0	-
05:20 AM - 05:25 AM	66.8	57.3	9.5	0.5	-
05:25 AM - 05:30 AM	67.7	57.3	10.4	0.5	-
05:30 AM - 05:35 AM	67.9	51.1	16.8	0.0	-
05:35 AM - 05:40 AM	66.9	50.8	16.1	0.0	-
05:40 AM - 05:45 AM	66.6	51.1	15.5	0.0	-
05:45 AM - 05:50 AM	66.6	51.1	15.5	0.0	-
05:50 AM - 05:55 AM	66.6	51.6	15.0	0.0	-
05:55 AM - 06:00 AM	67.7	54.1	13.6	0.0	-
06:00 AM - 07:00 AM	66.9	52.0	14.9	0.0	66.9
07:00 AM - 08:00 AM	67.2	57.7	9.5	0.0	67.2
08:00 AM - 09:00 AM	66.0	62.7	3.3	3.0	66.0
09:00 AM - 10:00 AM	65.5	58.2	7.3	1.0	64.5
10:00 AM - 11:00 AM	65.3	52.8	12.5	0.0	65.3

ค่ามาตรฐาน

Reference Method :

1. ISO 1996-1

2. ประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงตาม ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

มาตรฐาน

1. ประกาศกระทรวงอุตสาหกรรม เรื่อง ค่ามาตรฐานเสียงการขนถ่ายระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

2. ประกาศกระทรวงอุตสาหกรรม เรื่อง ค่ามาตรฐานเสียงการขนถ่ายระดับเสียงที่เกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

ระดับเสียงตามระดับเสียงขณะไม่มีการขนถ่าย (Sample No.229538-4 วันที่ตรวจวัด 31 ธันวาคม 2565-01 มกราคม 2566)

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Approved by

Wilawan Borirak  
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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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580670-1

Page 2 of 3

Sample No. 2314125-27  
Parameter เลื่อนรถขน  
Location อำเภอเมืองระยอง (GPS 47P 0727619, 1433056)  
Measurement Date Feb 19 - 20, 2023  
Measurement by Chatchal Sukpia  
Sound Level Meter 01122607

ระดับเสียง (dB(A))						ปรับค่าเสียงจากแหล่งกำเนิด	เสียงพื้นฐาน	ค่าประเมินการขนถ่าย
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขนถ่าย	ผลต่าง	ตัวปรับค่า	ค่าจริง			
12:25 AM - 12:30 AM	66.3	51.8	14.5	0.0	-	69.3	50.3	19.0
12:30 AM - 12:35 AM	66.1	51.9	14.2	0.0	-	69.1	50.2	18.9
12:35 AM - 12:40 AM	66.2	51.5	14.7	0.0	-	69.2	50.2	19.0
12:40 AM - 12:45 AM	66.3	51.6	14.7	0.0	-	69.3	50.1	19.2
12:45 AM - 12:50 AM	66.1	51.9	14.2	0.0	-	69.1	50.6	18.5
12:50 AM - 12:55 AM	66.2	58.0	8.2	0.5	-	68.7	50.8	17.9
12:55 AM - 01:00 AM	66.3	61.2	5.1	1.5	-	67.8	50.7	17.1
01:00 AM - 01:05 AM	66.2	51.8	14.4	0.0	-	69.2	50.6	18.6
01:05 AM - 01:10 AM	66.3	51.6	14.7	0.0	-	69.3	50.6	18.7
01:10 AM - 01:15 AM	66.6	51.4	15.2	0.0	-	69.6	50.3	19.3
01:15 AM - 01:20 AM	66.4	51.3	15.1	0.0	-	69.4	50.1	19.1
01:20 AM - 01:25 AM	66.6	51.5	15.1	0.0	-	69.6	50.2	19.4
01:25 AM - 01:30 AM	66.3	51.9	14.4	0.0	-	69.3	50.5	18.8
01:30 AM - 01:35 AM	66.3	52.0	14.3	0.0	-	69.3	50.7	18.6
01:35 AM - 01:40 AM	66.5	51.4	15.1	0.0	-	69.5	50.2	19.1
01:40 AM - 01:45 AM	66.4	51.9	14.5	0.0	-	69.4	50.6	18.8
01:45 AM - 01:50 AM	66.3	51.5	14.8	0.0	-	69.3	50.4	18.9
01:50 AM - 01:55 AM	66.3	51.6	14.7	0.0	-	69.3	50.5	18.8
01:55 AM - 02:00 AM	66.3	51.5	14.8	0.0	-	69.3	50.3	19.0
02:00 AM - 02:05 AM	66.3	51.5	14.8	0.0	-	69.3	50.2	19.1
02:05 AM - 02:10 AM	66.5	51.2	15.3	0.0	-	69.5	50.2	19.3
02:10 AM - 02:15 AM	66.4	51.3	15.1	0.0	-	69.4	50.1	19.3
02:15 AM - 02:20 AM	66.2	51.5	14.7	0.0	-	69.2	50.2	19.0
02:20 AM - 02:25 AM	66.3	51.1	15.2	0.0	-	69.3	50.0	19.3
02:25 AM - 02:30 AM	66.2	51.0	15.2	0.0	-	69.2	50.2	19.0
02:30 AM - 02:35 AM	66.2	51.6	14.6	0.0	-	69.2	50.2	19.0
02:35 AM - 02:40 AM	66.3	51.0	15.3	0.0	-	69.3	50.3	19.3
02:40 AM - 02:45 AM	66.2	51.3	14.9	0.0	-	69.2	50.0	19.2
02:45 AM - 02:50 AM	66.3	53.6	12.7	0.0	-	69.3	50.0	19.3
02:50 AM - 02:55 AM	66.2	51.1	15.1	0.0	-	69.2	49.9	19.1
02:55 AM - 03:00 AM	66.3	52.0	14.3	0.0	-	69.3	50.2	19.1
03:00 AM - 03:05 AM	65.7	51.9	13.8	0.0	-	68.7	50.3	18.6
03:05 AM - 03:10 AM	65.7	51.3	14.4	0.0	-	68.7	50.1	18.6
03:10 AM - 03:15 AM	65.7	51.0	14.7	0.0	-	68.7	50.1	18.6
03:15 AM - 03:20 AM	65.6	51.2	14.4	0.0	-	68.6	50.0	18.6
03:20 AM - 03:25 AM	65.6	51.1	14.5	0.0	-	68.6	49.8	18.5
03:25 AM - 03:30 AM	65.6	51.0	14.6	0.0	-	68.6	49.9	18.7
03:30 AM - 03:35 AM	65.6	51.0	14.6	0.0	-	68.6	50.0	18.6
03:35 AM - 03:40 AM	65.6	51.3	14.3	0.0	-	68.6	50.1	18.5
03:40 AM - 03:45 AM	65.7	51.4	14.3	0.0	-	68.7	50.6	18.6



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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580671-1

Page 3 of 3

Sample No. 2314125-27  
Parameter เสียงรบกวน  
Location ตำบลเพ็ดตืออวโรตกร (GPS 47P 0727619, 1433056)  
Measurement Date Feb 19 - 20, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 01122607

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ผลต่าง	ค่าปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงที่รบกวน	ค่าระดับการรบกวน
					กลางคืน	กลางวัน		
03:45 AM - 03:50 AM	65.6	50.8	14.8	0.0	-	68.6	49.8	18.8
03:50 AM - 03:55 AM	65.7	51.3	14.4	0.0	-	68.7	50.2	18.5
03:55 AM - 04:00 AM	65.6	51.3	14.3	0.0	-	68.6	50.1	18.5
04:00 AM - 04:05 AM	65.8	51.1	14.7	0.0	-	68.8	50.2	18.6
04:05 AM - 04:10 AM	65.3	51.1	14.2	0.0	-	68.3	50.1	18.2
04:10 AM - 04:15 AM	65.3	51.0	14.3	0.0	-	68.3	50.1	18.2
04:15 AM - 04:20 AM	65.3	51.7	13.6	0.0	-	68.3	50.2	18.1
04:20 AM - 04:25 AM	65.3	51.4	13.9	0.0	-	68.3	50.1	18.2
04:25 AM - 04:30 AM	65.3	52.3	13.0	0.0	-	68.3	50.2	18.1
04:30 AM - 04:35 AM	65.3	51.4	13.9	0.0	-	68.3	50.3	18.0
04:35 AM - 04:40 AM	65.3	51.3	14.0	0.0	-	68.3	50.2	18.1
04:40 AM - 04:45 AM	65.4	51.2	14.2	0.0	-	68.4	49.9	18.5
04:45 AM - 04:50 AM	65.3	50.8	14.5	0.0	-	68.3	49.6	18.7
04:50 AM - 04:55 AM	65.3	50.8	14.5	0.0	-	68.3	49.8	18.5
04:55 AM - 05:00 AM	65.5	60.9	4.6	1.5	-	67.0	50.1	16.9
05:00 AM - 05:05 AM	65.5	50.9	14.6	0.0	-	68.5	50.0	18.5
05:05 AM - 05:10 AM	65.5	51.2	14.3	0.0	-	68.5	49.9	18.6
05:10 AM - 05:15 AM	65.8	51.1	14.7	0.0	-	68.8	49.9	18.9
05:15 AM - 05:20 AM	65.6	51.1	14.5	0.0	-	68.6	50.2	18.4
05:20 AM - 05:25 AM	65.6	57.3	8.3	0.5	-	68.1	49.9	18.2
05:25 AM - 05:30 AM	65.4	57.3	8.1	0.5	-	67.9	49.9	18.0
05:30 AM - 05:35 AM	65.3	51.1	14.2	0.0	-	68.3	50.0	18.3
05:35 AM - 05:40 AM	65.4	50.8	14.6	0.0	-	68.4	49.9	18.5
05:40 AM - 05:45 AM	65.3	51.1	14.2	0.0	-	68.3	50.0	18.3
05:45 AM - 05:50 AM	65.5	51.1	14.4	0.0	-	68.5	50.2	18.5
05:50 AM - 05:55 AM	65.5	51.6	13.9	0.0	-	68.5	50.4	18.1
05:55 AM - 06:00 AM	65.5	54.1	11.4	0.5	-	68.0	50.3	17.7
06:00 AM - 07:00 AM	66.1	52.0	14.1	0.0	66.1	-	50.6	15.5
07:00 AM - 08:00 AM	67.0	57.7	9.3	0.0	66.5	-	51.0	15.5
08:00 AM - 09:00 AM	66.2	62.7	3.5	2.0	64.2	-	56.5	7.7
09:00 AM - 10:00 AM	65.7	58.2	7.5	0.5	65.2	-	52.8	12.4
10:00 AM - 11:00 AM	66.0	52.8	13.2	0.0	66.0	-	50.4	15.6

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. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่ามาตรฐานเสียงรบกวนที่ได้จากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561  
ระดับเสียงตามมาตรฐานข้างต้นจะตรวจวัด วันที่ 19-20 กุมภาพันธ์ 2566  
ระดับเสียงที่ตรวจวัดและระดับเสียงขณะไม่มีการรบกวน (Sample No.229538-4 ชนิดตรวจวัด 31 ธันวาคม 2565-01 มกราคม 2566)

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Approved by

Wilawan 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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580671-1

Page 2 of 3

Sample No. 2314125-28  
Parameter เสียงรบกวน  
Location ตำบลเพ็ดตืออวโรตกร (GPS 47P 0727619, 1433056)  
Measurement Date Feb 20 - 21, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 01122607

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ผลต่าง	ค่าปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงที่รบกวน	ค่าระดับการรบกวน
					กลางคืน	กลางวัน		
12:25 AM - 12:30 AM	66.2	51.8	14.4	0.0	-	69.2	50.3	18.9
12:30 AM - 12:35 AM	66.2	51.9	14.3	0.0	-	69.2	50.2	18.9
12:35 AM - 12:40 AM	66.4	51.5	14.9	0.0	-	69.4	50.2	19.2
12:40 AM - 12:45 AM	66.6	51.6	15.0	0.0	-	69.6	50.1	19.5
12:45 AM - 12:50 AM	66.0	51.9	14.1	0.0	-	69.0	50.6	18.4
12:50 AM - 12:55 AM	66.2	58.0	8.2	0.5	-	68.7	50.8	17.9
12:55 AM - 01:00 AM	66.6	61.2	5.4	1.5	-	68.1	50.7	17.4
01:00 AM - 01:05 AM	66.2	51.8	14.4	0.0	-	69.2	50.6	18.6
01:05 AM - 01:10 AM	66.4	51.6	14.8	0.0	-	69.4	50.6	18.8
01:10 AM - 01:15 AM	66.3	51.4	14.9	0.0	-	69.3	50.3	19.0
01:15 AM - 01:20 AM	66.0	51.3	14.7	0.0	-	69.0	50.3	18.7
01:20 AM - 01:25 AM	66.2	51.5	14.7	0.0	-	69.2	50.2	19.0
01:25 AM - 01:30 AM	66.3	51.9	14.4	0.0	-	69.3	50.5	18.8
01:30 AM - 01:35 AM	66.2	52.0	14.2	0.0	-	69.2	50.7	18.5
01:35 AM - 01:40 AM	66.2	51.4	14.8	0.0	-	69.2	50.4	18.8
01:40 AM - 01:45 AM	66.2	51.9	14.3	0.0	-	69.2	50.6	18.6
01:45 AM - 01:50 AM	66.2	51.5	14.7	0.0	-	69.2	50.4	18.8
01:50 AM - 01:55 AM	66.2	51.6	14.6	0.0	-	69.2	50.5	18.7
01:55 AM - 02:00 AM	66.2	51.5	14.7	0.0	-	69.2	50.3	18.9
02:00 AM - 02:05 AM	66.2	51.5	14.7	0.0	-	69.2	50.2	19.0
02:05 AM - 02:10 AM	66.1	51.2	14.9	0.0	-	69.1	50.2	18.9
02:10 AM - 02:15 AM	66.1	51.3	14.8	0.0	-	69.1	50.1	19.0
02:15 AM - 02:20 AM	66.2	51.5	14.7	0.0	-	69.2	50.2	19.0
02:20 AM - 02:25 AM	66.7	51.1	15.6	0.0	-	69.7	50.0	19.7
02:25 AM - 02:30 AM	66.0	51.0	15.0	0.0	-	69.0	50.0	19.0
02:30 AM - 02:35 AM	66.1	51.6	14.5	0.0	-	69.1	50.2	18.9
02:35 AM - 02:40 AM	66.0	51.0	15.0	0.0	-	69.0	50.0	19.0
02:40 AM - 02:45 AM	66.0	51.3	14.7	0.0	-	69.0	50.0	19.1
02:45 AM - 02:50 AM	66.1	51.6	14.5	0.0	-	69.1	50.0	19.1
02:50 AM - 02:55 AM	66.2	51.1	15.1	0.0	-	69.2	49.9	19.3
02:55 AM - 03:00 AM	66.2	52.0	14.2	0.0	-	69.2	50.2	19.0
03:00 AM - 03:05 AM	66.3	51.9	14.4	0.0	-	69.3	50.1	19.2
03:05 AM - 03:10 AM	66.3	51.3	15.0	0.0	-	69.3	50.1	19.2
03:10 AM - 03:15 AM	66.5	51.0	15.5	0.0	-	69.5	50.1	19.4
03:15 AM - 03:20 AM	66.5	51.2	15.3	0.0	-	69.5	50.0	19.5
03:20 AM - 03:25 AM	66.4	51.1	15.3	0.0	-	69.4	49.8	19.6
03:25 AM - 03:30 AM	66.4	51.0	15.4	0.0	-	69.4	49.9	19.5
03:30 AM - 03:35 AM	66.1	51.0	15.1	0.0	-	69.1	50.0	19.1
03:35 AM - 03:40 AM	65.9	51.3	14.6	0.0	-	68.9	50.1	18.8
03:40 AM - 03:45 AM	65.7	51.1	14.6	0.0	-	68.7	50.2	18.5

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

Wilawan 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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580671-1

Page 1 of 3

Sample No. 2314125-28  
Parameter เสียงรบกวน  
Location ตำบลเพ็ดตืออวโรตกร (GPS 47P 0727619, 1433056)  
Measurement Date Feb 20 - 21, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 01122607

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ผลต่าง	ค่าปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงที่รบกวน	ค่าระดับการรบกวน
					กลางคืน	กลางวัน		
11:00 AM - 12:00 PM	65.4	54.2	11.2	0.5	-	64.9	-	14.7
12:00 PM - 01:00 PM	65.6	53.7	11.9	0.5	-	65.1	-	15.2
01:00 PM - 02:00 PM	65.9	52.6	13.3	0.0	-	65.9	-	15.6
02:00 PM - 03:00 PM	66.2	53.5	12.7	0.0	-	66.2	-	15.7
03:00 PM - 04:00 PM	66.4	52.9	13.5	0.0	-	66.4	-	16.2
04:00 PM - 05:00 PM	65.4	54.3	11.1	0.5	-	64.9	-	14.7
05:00 PM - 06:00 PM	65.9	54.2	11.7	0.5	-	65.4	-	14.9
06:00 PM - 07:00 PM	66.3	53.3	13.0	0.0	-	66.3	-	15.8
07:00 PM - 08:00 PM	66.3	59.0	7.3	1.0	-	65.3	-	14.6
08:00 PM - 09:00 PM	66.1	54.6	11.5	0.5	-	65.6	-	14.6
09:00 PM - 10:00 PM	65.7	51.8	13.9	0.0	-	65.7	-	15.5
10:00 PM - 10:05 PM	65.8	51.2	14.6	0.0	-	65.8	50.1	15.7
10:05 PM - 10:10 PM	65.9	51.1	14.8	0.0	-	65.9	50.1	18.8
10:10 PM - 10:15 PM	65.8	51.2	14.6	0.0	-	65.8	50.3	18.5
10:15 PM - 10:20 PM	65.9	51.5	14.4	0.0	-	65.9	49.9	19.0
10:20 PM - 10:25 PM	65.8	51.3	14.5	0.0	-	65.8	50.0	18.8
10:25 PM - 10:30 PM	65.9	51.0	14.9	0.0	-	65.9	49.9	19.0
10:30 PM - 10:35 PM	65.9	51.0	14.9	0.0	-	65.9	49.9	19.0
10:35 PM - 10:40 PM	66.0	51.7	14.3	0.0	-	66.0	50.0	19.0
10:40 PM - 10:45 PM	65.9	51.0	14.9	0.0	-	65.9	50.0	18.9
10:45 PM - 10:50 PM	65.9	51.4	14.5	0.0	-	65.9	50.3	18.6
10:50 PM - 10:55 PM	66.0	51.4	14.6	0.0	-	66.0	50.0	19.0
10:55 PM - 11:00 PM	66.0	51.2	14.8	0.0	-	66.0	50.2	18.8
11:00 PM - 11:05 PM	65.9	52.1	13.8	0.0	-	65.9	49.9	19.0
11:05 PM - 11:10 PM	65.9	52.1	14.7	0.0	-	65.9	50.1	18.8
11:10 PM - 11:15 PM	65.9	51.3	14.6	0.0	-	65.9	50.1	18.8
11:15 PM - 11:20 PM	65.9	52.2	12.7	0.0	-	65.9	50.2	18.7
11:20 PM - 11:25 PM	66.0	51.5	14.5	0.0	-	66.0	50.3	18.7
11:25 PM - 11:30 PM	66.2	51.9	14.3	0.0	-	66.2	50.6	18.6
11:30 PM - 11:35 PM	66.1	51.6	14.5	0.0	-	66.1	50.5	18.6
11:35 PM - 11:40 PM	66.1	52.6	13.5	0.0	-	66.1	50.4	18.7





## Analysis / Test Report

Client : UACI (Thailand) Co., Ltd.  
7/352 Moo 6, Amata City Industrial Estate, T. Mabanyaporn, A. Pluakdaeng, Rayong  
Thailand 21140  
P/O : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580672-1



TESTING  
No.0042

Page 1 of 3

Sample No. 2314125-29  
Parameter เสียงรบกวน  
Location ชุมชนบ้านไทร (Ban Phusai Community) (GPS 47P 0725739, 1434370)  
Measurement Date Feb 14 - 15, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00734221

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับการรบกวน
			ผลต่าง	ตัวปรับค่า	ผลต่าง	ตัวปรับค่า		
11:00 AM - 12:00 PM	47.5	46.6	0.9	7.0	40.5	-	41.5	-1.0
12:00 PM - 01:00 PM	48.8	45.5	3.3	3.0	45.8	-	40.7	5.1
01:00 PM - 02:00 PM	53.9	47.3	6.6	1.0	52.9	-	39.7	13.2
02:00 PM - 03:00 PM	52.3	48.5	3.8	2.0	50.3	-	38.6	11.7
03:00 PM - 04:00 PM	50.7	47.2	3.5	2.0	48.7	-	39.6	9.1
04:00 PM - 05:00 PM	55.1	48.4	6.7	1.0	54.1	-	40.7	13.4
05:00 PM - 06:00 PM	48.7	53.9	-5.2	7.0	41.7	-	41.7	0.0
06:00 PM - 07:00 PM	51.2	47.8	3.4	3.0	48.2	-	45.2	3.0
07:00 PM - 08:00 PM	58.0	48.2	9.8	0.5	57.5	-	46.6	10.9
08:00 PM - 09:00 PM	45.3	47.6	-2.3	7.0	38.3	-	45.4	-7.1
09:00 PM - 10:00 PM	45.8	53.2	-7.4	7.0	38.8	-	43.9	-5.1
10:00 PM - 10:05 PM	44.2	44.6	-0.4	7.0	-	40.2	43.1	-2.9
10:05 PM - 10:10 PM	45.4	44.6	0.8	7.0	-	41.4	43.2	-1.8
10:10 PM - 10:15 PM	45.3	47.1	-1.8	7.0	-	41.3	43.5	-2.2
10:15 PM - 10:20 PM	43.8	54.2	-10.4	7.0	-	39.8	43.5	-3.7
10:20 PM - 10:25 PM	44.7	51.2	-6.5	7.0	-	40.7	43.0	-2.3
10:25 PM - 10:30 PM	44.7	44.4	0.3	7.0	-	40.7	42.9	-2.2
10:30 PM - 10:35 PM	47.4	44.6	2.8	3.0	-	47.4	42.8	4.6
10:35 PM - 10:40 PM	44.7	44.2	0.5	7.0	-	40.7	42.7	-2.0
10:40 PM - 10:45 PM	45.7	43.6	2.1	4.5	-	44.2	42.4	1.8
10:45 PM - 10:50 PM	44.6	48.9	-4.3	7.0	-	40.6	42.3	-1.7
10:50 PM - 10:55 PM	44.0	46.8	-2.8	7.0	-	40.0	42.6	-2.6
10:55 PM - 11:00 PM	44.3	45.3	-1.0	7.0	-	40.3	42.7	-2.4
11:00 PM - 11:05 PM	44.6	45.3	-0.7	7.0	-	40.6	42.3	-1.7
11:05 PM - 11:10 PM	44.4	45.7	-1.3	7.0	-	40.4	42.3	-1.9
11:10 PM - 11:15 PM	49.2	45.4	3.8	2.0	-	50.2	42.4	7.8
11:15 PM - 11:20 PM	47.0	44.7	2.3	4.5	-	44.5	41.8	2.7
11:20 PM - 11:25 PM	45.3	46.6	-1.3	7.0	-	41.3	42.1	-0.8
11:25 PM - 11:30 PM	45.5	45.3	0.2	7.0	-	41.5	41.8	-0.3
11:30 PM - 11:35 PM	45.9	54.4	-8.5	7.0	-	41.9	41.2	0.7
11:35 PM - 11:40 PM	46.5	43.6	2.9	3.0	-	46.5	41.7	4.8
11:40 PM - 11:45 PM	46.1	47.3	-1.2	7.0	-	42.1	41.6	0.5
11:45 PM - 11:50 PM	45.8	45.9	-0.1	7.0	-	41.8	41.9	-0.1
11:50 PM - 11:55 PM	44.1	46.2	-2.1	7.0	-	40.1	42.0	-1.9
11:55 PM - 12:00 AM	44.6	66.3	-21.7	7.0	-	40.6	42.7	-2.1
12:00 AM - 12:05 AM	44.1	55.7	-11.6	7.0	-	40.1	45.5	-5.4
12:05 AM - 12:10 AM	44.1	45.5	-1.4	7.0	-	40.1	41.9	-1.8
12:10 AM - 12:15 AM	43.9	44.5	-0.6	7.0	-	39.9	41.7	-1.8
12:15 AM - 12:20 AM	45.2	43.6	1.6	4.5	-	43.7	41.5	2.2
12:20 AM - 12:25 AM	44.9	43.5	1.4	7.0	-	40.9	41.7	-0.8

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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## Analysis / Test Report

Client : UACI (Thailand) Co., Ltd.  
7/352 Moo 6, Amata City Industrial Estate, T. Mabanyaporn, A. Pluakdaeng, Rayong  
Thailand 21140  
P/O : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580672-1



TESTING  
No.0042

Page 3 of 3

Sample No. 2314125-29  
Parameter เสียงรบกวน  
Location ชุมชนบ้านไทร (Ban Phusai Community) (GPS 47P 0725739, 1434370)  
Measurement Date Feb 14 - 15, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00734221

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับการรบกวน
			ผลต่าง	ตัวปรับค่า	ผลต่าง	ตัวปรับค่า		
03:45 AM - 03:50 AM	45.5	38.9	6.6	1.0	-	47.5	37.0	10.5
03:50 AM - 03:55 AM	45.2	46.7	-1.5	7.0	-	41.2	37.8	3.4
03:55 AM - 04:00 AM	45.5	48.6	-3.1	7.0	-	41.5	38.2	3.3
04:00 AM - 04:05 AM	44.4	48.3	-3.9	7.0	-	40.4	38.9	1.5
04:05 AM - 04:10 AM	43.9	40.3	3.6	2.0	-	44.9	38.2	6.7
04:10 AM - 04:15 AM	44.0	40.6	3.4	3.0	-	44.0	38.4	5.6
04:15 AM - 04:20 AM	44.2	40.0	4.2	2.0	-	45.2	37.6	7.6
04:20 AM - 04:25 AM	44.7	41.8	2.9	3.0	-	44.7	38.9	5.8
04:25 AM - 04:30 AM	44.6	41.7	2.9	3.0	-	44.6	38.5	6.1
04:30 AM - 04:35 AM	44.8	42.6	2.2	4.5	-	43.3	39.2	4.1
04:35 AM - 04:40 AM	44.6	42.1	2.5	3.0	-	44.6	39.3	5.3
04:40 AM - 04:45 AM	44.7	42.7	2.0	4.5	-	43.2	39.5	3.7
04:45 AM - 04:50 AM	44.3	43.0	1.3	7.0	-	40.3	39.6	0.7
04:50 AM - 04:55 AM	43.9	41.5	2.4	4.5	-	42.4	39.3	3.1
04:55 AM - 05:00 AM	44.2	41.9	2.3	4.5	-	42.7	39.9	2.8
05:00 AM - 05:05 AM	44.6	43.2	1.4	7.0	-	40.6	40.1	0.5
05:05 AM - 05:10 AM	44.4	43.1	1.3	7.0	-	40.4	39.7	0.7
05:10 AM - 05:15 AM	44.5	42.9	1.6	4.5	-	42.3	40.0	3.0
05:15 AM - 05:20 AM	44.2	44.0	0.2	7.0	-	40.2	39.9	0.3
05:20 AM - 05:25 AM	44.2	42.5	1.7	4.5	-	42.7	39.7	3.0
05:25 AM - 05:30 AM	44.2	47.8	-3.6	7.0	-	40.2	40.9	-0.7
05:30 AM - 05:35 AM	44.4	48.6	-4.2	7.0	-	40.4	40.1	0.3
05:35 AM - 05:40 AM	44.5	42.7	1.8	4.5	-	43.0	40.1	2.9
05:40 AM - 05:45 AM	44.6	41.9	2.6	3.0	-	44.6	39.5	5.1
05:45 AM - 05:50 AM	45.6	41.9	3.7	2.0	-	46.6	38.5	8.0
05:50 AM - 05:55 AM	45.5	42.7	2.8	3.0	-	45.6	40.1	5.4
05:55 AM - 06:00 AM	46.1	43.2	2.9	3.0	-	46.1	40.6	5.5
06:00 AM - 06:05 AM	53.0	49.6	3.4	3.0	50.0	-	41.4	8.6
06:05 AM - 06:10 AM	61.2	48.3	12.9	0.5	60.7	-	41.4	18.8
06:10 AM - 06:15 AM	59.6	48.3	11.3	0.5	59.1	-	41.4	17.7
06:15 AM - 06:20 AM	51.7	46.9	4.8	1.5	50.2	-	43.2	7.0
06:20 AM - 11:00 AM	57.2	45.9	11.3	0.5	56.7	-	40.9	15.8

Reference Method :

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

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

ระดับเสียงที่ตรวจวัดตามระดับเสียงขณะไม่มีการรบกวน (Sample No. 2292538-5 ชนิดตรวจวัด 31 ชั่วโมง 2565-01 มกราคม 2566)

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Approved by

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## Analysis / Test Report

Client : UACI (Thailand) Co., Ltd.  
7/352 Moo 6, Amata City Industrial Estate, T. Mabanyaporn, A. Pluakdaeng, Rayong  
Thailand 21140  
P/O : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580672-1



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No.0042

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Sample No. 2314125-29  
Parameter เสียงรบกวน  
Location ชุมชนบ้านไทร (Ban Phusai Community) (GPS 47P 0725739, 1434370)  
Measurement Date Feb 14 - 15, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00734221

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ค่าระดับเสียง (dB(A))		ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับการรบกวน
			ผลต่างระดับเสียง	ตัวปรับค่า	ผลต่างค่าเสียง	ค่าปรับค่า		
12:25 AM - 12:30 AM	46.1	43.0	3.1	3.0	-	46.1	41.3	4.8
12:30 AM - 12:35 AM	46.4	44.1	2.3	4.5	-	44.9	41.9	3.0
12:35 AM - 12:40 AM	46.6	44.3	2.3	4.5	-	45.1	41.4	3.7
12:40 AM - 12:45 AM	46.0	42.1	3.9	2.0	-	47.0	40.9	6.1
12:45 AM - 12:50 AM	45.9	42.2	3.7	2.0	-	46.9	40.9	6.0
12:50 AM - 12:55 AM	44.7	41.8	2.9	3.0	-	44.7	40.5	4.2
12:55 AM - 01:00 AM	46.3	42.9	3.4	3.0	-	46.3	40.7	5.6
01:00 AM - 01:05 AM	49.0	42.7	6.3	1.5	-	50.5	40.6	9.9
01:05 AM - 01:10 AM	44.6	41.7	2.9	3.0	-	44.6	39.9	4.7
01:10 AM - 01:15 AM	44.0	41.1	2.9	3.0	-	44.0	39.6	4.4
01:15 AM - 01:20 AM	44.3	41.4	2.9	3.0	-	44.3	39.3	5.0
01:20 AM - 01:25 AM	44.3	41.2	3.1	3.0	-	44.3	39.6	4.7
01:25 AM - 01:30 AM	50.0	41.3	8.7	0.5	-	52.5	39.7	12.8
01:30 AM - 01:35 AM	49.0	40.9	8.1	0.5	-	51.5	39.5	12.0
01:35 AM - 01:40 AM	49.1	41.0	8.1	0.5	-	51.6	39.2	12.4
01:40 AM - 01:45 AM	56.5	45.0	11.5	0.5	-	59.0	39.5	19.5
01:45 AM - 01:50 AM	58.7	40.9	17.8	0.0	-	61.7	39.2	22.5
01:50 AM - 01:55 AM	50.3	40.4	9.9	0.5	-	52.8	38.8	14.0
01:55 AM - 02:00 AM	48.7	40.4	8.3	0.5	-	51.2	38.9	12.3
02:00 AM - 02:05 AM	47.2	40.1	7.1	1.0	-	49.2	39.2	10.0
02:05 AM - 02:10 AM	50.1	41.3	8.8	0.5	-	52.6	39.8	12.8
02:10 AM - 02:15 AM	50.1	39.5	10.6	0.5	-	52.6	38.4	14.2
02:15 AM - 02:20 AM	51.5	39.1	12.4	0.5	-	54.0	38.0	16.0
02:20 AM - 02:25 AM	53.7	40.3	13.4	0.0	-	56.7	38.2	18.5
02:25 AM - 02:30 AM	50.6	41.7	8.9	0.5	-	53.1	38.3	14.8
02:30 AM - 02:35 AM	50.8	39.7	11.1	0.5	-	53.3	38.4	14.9
02:35 AM - 02:40 AM	51.6	39.5	12.1	0.5	-	54.1	38.4	15.7
02:40 AM - 02:45 AM	47.3	39.5	7.8	0.5	-	49.8	38.5	11.3
02:45 AM - 02:50 AM	49.2	39.4	9.8	0.5	-	51.7	38.1	13.6
02:50 AM - 02:55 AM	47.2	39.7	7.5	0.5	-	49.7	38.1	11.6
02:55 AM - 03:00 AM	49.9	39.9	8.9	0.5	-	50.9	38.3	13.6
03:00 AM - 03:05 AM	46.7	40.0	6.7	1.0	-	46.7	38.4	10.3
03:05 AM - 03:10 AM	47.6	39.4	8.2	0.5	-	50.1	37.8	12.1
03:10 AM - 03:15 AM	44.6	40.4	4.2	2.0	-	45.6	38.2	7.4
03:15 AM - 03:20 AM	46.8	39.1	7.7	1.0	-	46.8	37.7	11.1
03:20 AM - 03:25 AM	44.3	39.3	5.0	1.5	-	45.8	37.7	8.1
03:25 AM - 03:30 AM	44.7	39.3	5.4	1.5	-	46.2	37.4	8.8
03:30 AM - 03:35 AM	44.4	39.0	5.4	1.5	-	45.9	37.3	8.6
03:35 AM - 03:40 AM	44.4	39.1	5.3	1.5	-	45.9	37.3	8.6
03:40 AM - 03:45 AM	44.3	38.3	6.0	1.5	-	45.8	36.9	8.9



## 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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580673-1



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No.0042

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Sample No. 2314125-30  
Parameter เลื่อนกราม  
Location ชุมชนบ้านไทร (Ban Phusai Community) (GPS 47P 0725739, 1434370)  
Measurement Date Feb 15 - 16, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00734221

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		ค่าปรับ	การปรับเสียงจากแหล่งกำเนิด	เสียงที่รับรู้	ค่าความการรบกวน
			ผลต่างระดับเสียง	ค่าปรับ				
12:25 AM - 12:30 AM	44.8	43.0	1.8	4.5	-	43.3	41.3	2.0
12:30 AM - 12:35 AM	47.0	44.1	2.9	3.0	-	47.0	41.9	5.1
12:35 AM - 12:40 AM	46.2	44.3	1.9	4.5	-	44.7	41.4	3.3
12:40 AM - 12:45 AM	46.6	42.1	4.5	1.5	-	48.1	40.9	7.2
12:45 AM - 12:50 AM	45.6	42.2	3.4	3.0	-	45.6	40.9	4.7
12:50 AM - 12:55 AM	47.0	41.8	5.2	1.5	-	48.5	40.5	8.0
12:55 AM - 01:00 AM	43.6	42.9	0.7	7.0	-	39.6	40.7	-1.1
01:00 AM - 01:05 AM	48.5	42.7	5.8	1.5	-	50.0	40.6	9.4
01:05 AM - 01:10 AM	46.2	41.7	4.5	1.5	-	47.7	39.9	7.8
01:10 AM - 01:15 AM	49.3	41.1	8.2	0.5	-	51.8	39.2	12.6
01:15 AM - 01:20 AM	47.6	41.4	6.2	1.5	-	49.1	39.3	9.8
01:20 AM - 01:25 AM	45.4	41.2	4.2	2.0	-	46.4	39.6	6.8
01:25 AM - 01:30 AM	45.0	41.3	3.7	2.0	-	46.0	39.7	6.3
01:30 AM - 01:35 AM	43.7	40.9	2.8	3.0	-	43.7	39.0	4.7
01:35 AM - 01:40 AM	47.2	41.0	6.2	1.5	-	48.7	39.2	9.5
01:40 AM - 01:45 AM	48.1	43.0	5.1	3.0	-	48.1	39.5	8.6
01:45 AM - 01:50 AM	46.5	40.9	5.6	1.5	-	48.0	39.2	8.8
01:50 AM - 01:55 AM	45.9	40.4	5.5	1.5	-	47.5	38.8	8.6
01:55 AM - 02:00 AM	49.8	40.4	9.4	0.5	-	52.3	38.9	13.4
02:00 AM - 02:05 AM	45.3	40.1	5.2	1.5	-	46.8	39.2	7.6
02:05 AM - 02:10 AM	44.2	41.3	2.9	3.0	-	44.2	39.8	4.4
02:10 AM - 02:15 AM	44.0	39.5	4.5	1.5	-	45.5	38.4	7.1
02:15 AM - 02:20 AM	44.6	39.1	5.5	1.5	-	46.1	38.0	8.1
02:20 AM - 02:25 AM	44.5	40.3	4.2	2.0	-	45.5	38.2	7.3
02:25 AM - 02:30 AM	46.1	41.7	4.4	2.0	-	47.1	38.3	8.8
02:30 AM - 02:35 AM	46.4	39.7	6.7	1.0	-	48.4	38.4	10.0
02:35 AM - 02:40 AM	45.1	39.5	5.6	1.5	-	46.6	38.5	8.6
02:40 AM - 02:45 AM	45.7	39.5	6.2	1.5	-	47.2	38.5	8.7
02:45 AM - 02:50 AM	44.6	39.4	5.2	1.5	-	46.1	38.1	8.0
02:50 AM - 02:55 AM	44.8	39.7	5.1	1.5	-	46.3	38.1	8.2
02:55 AM - 03:00 AM	47.9	40.0	7.9	0.5	-	50.4	38.2	12.2
03:00 AM - 03:05 AM	44.7	40.0	4.7	1.5	-	46.2	38.4	7.8
03:05 AM - 03:10 AM	44.8	39.4	5.4	1.5	-	46.3	37.8	8.5
03:10 AM - 03:15 AM	44.7	40.4	4.3	2.0	-	45.7	38.2	7.5
03:15 AM - 03:20 AM	45.4	39.7	5.7	1.5	-	46.5	37.7	8.2
03:20 AM - 03:25 AM	45.0	39.3	5.7	1.5	-	46.5	37.7	8.8
03:25 AM - 03:30 AM	44.7	39.3	5.4	1.5	-	46.2	37.4	8.8
03:30 AM - 03:35 AM	44.5	39.0	5.5	1.5	-	46.0	37.3	8.7
03:35 AM - 03:40 AM	43.2	39.1	4.1	2.0	-	43.2	37.2	7.0
03:40 AM - 03:45 AM	45.4	38.3	7.1	1.0	-	47.4	36.9	10.5

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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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580674-1



TESTING  
No.0042

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Sample No. 2314125-31  
Parameter เลื่อนกราม  
Location ชุมชนบ้านไทร (Ban Phusai Community) (GPS 47P 0725739, 1434370)  
Measurement Date Feb 16 - 17, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00734221

เวลา	ระดับเสียง (dB(A))					เสียงรบกวน	การคำนวณ	
	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ผลต่างระดับเสียง	ค่าปรับ	ปรับค่าเสียงจากแหล่งกำเนิด			
					ค่าความ			ค่าความ
11:00 AM - 12:00 PM	52.9	46.6	6.3	1.5	51.4	-	41.5	9.9
12:00 PM - 01:00 PM	45.3	45.4	7.3	1.0	48.0	-	40.7	11.1
01:00 PM - 02:00 PM	64.5	47.3	17.2	0.0	64.5	-	39.7	24.8
02:00 PM - 03:00 PM	55.8	48.5	7.3	1.0	54.8	-	38.6	16.2
03:00 PM - 04:00 PM	55.9	47.2	8.7	0.5	55.4	-	39.6	15.8
04:00 PM - 05:00 PM	51.8	48.4	3.4	1.0	48.8	-	40.7	8.1
05:00 PM - 06:00 PM	50.6	53.9	-3.3	7.0	43.6	-	41.7	1.9
06:00 PM - 07:00 PM	48.3	47.00	0.0	7.0	41.3	-	45.2	-3.9
07:00 PM - 08:00 PM	47.5	48.2	-0.7	7.0	40.5	-	46.6	-6.1
08:00 PM - 09:00 PM	45.7	47.6	-1.9	7.0	38.7	-	45.4	-6.7
09:00 PM - 10:00 PM	44.4	53.2	-8.8	7.0	37.4	-	43.9	-6.5
10:00 PM - 10:05 PM	44.6	44.6	0.0	7.0	-	-	40.6	43.1
10:05 PM - 10:10 PM	46.8	44.6	2.2	4.5	-	-	45.3	43.2
10:10 PM - 10:15 PM	47.0	47.1	-0.1	7.0	-	-	43.0	43.5
10:15 PM - 10:20 PM	47.7	54.2	-6.5	7.0	-	-	43.0	43.5
10:20 PM - 10:25 PM	45.8	51.2	-5.4	7.0	-	-	41.8	43.0
10:25 PM - 10:30 PM	47.2	44.4	2.8	3.0	-	-	47.2	42.9
10:30 PM - 10:35 PM	46.8	44.6	2.2	4.5	-	-	45.3	42.8
10:35 PM - 10:40 PM	46.1	44.2	1.9	4.5	-	-	44.6	42.9
10:40 PM - 10:45 PM	47.6	43.6	4.0	2.0	-	-	48.6	42.4
10:45 PM - 10:50 PM	52.8	48.9	3.9	2.0	-	-	53.8	42.3
10:50 PM - 10:55 PM	46.3	46.8	-0.5	7.0	-	-	42.3	42.6
10:55 PM - 11:00 PM	45.9	45.3	0.6	7.0	-	-	41.8	42.3
11:00 PM - 11:05 PM	45.8	45.3	0.5	7.0	-	-	41.8	42.3
11:05 PM - 11:10 PM	46.8	45.7	1.1	7.0	-	-	42.8	42.3
11:10 PM - 11:15 PM	46.5	45.4	1.1	7.0	-	-	42.5	42.4
11:15 PM - 11:20 PM	46.1	44.7	1.4	7.0	-	-	41.8	41.8
11:20 PM - 11:25 PM	45.4	46.6	-0.5	7.0	-	-	42.1	42.1
11:25 PM - 11:30 PM	45.4	45.3	0.1	7.0	-	-	41.4	41.8
11:30 PM - 11:35 PM	45.7	54.4	-8.7	7.0	-	-	41.7	41.2
11:35 PM - 11:40 PM	45.8	43.6	2.2	4.5	-	-	44.3	41.7
11:40 PM - 11:45 PM	46.3	47.3	-1.0	7.0	-	-	42.3	41.6
11:45 PM - 11:50 PM	46.6	45.9	0.7	7.0	-	-	42.6	41.9
11:50 PM - 11:55 PM	46.5	46.2	0.3	7.0	-	-	42.5	42.0
11:55 PM - 12:00 AM	46.0	66.3	-20.3	7.0	-	-	42.0	42.7
12:00 AM - 12:05 AM	46.6	53.7	-7.1	7.0	-	-	43.7	43.7
12:05 AM - 12:10 AM	46.5	45.5	1.0	7.0	-	-	42.5	41.9
12:10 AM - 12:15 AM	46.8	44.5	2.3	4.5	-	-	45.3	41.7
12:15 AM - 12:20 AM	47.5	43.6	3.9	2.0	-	-	48.5	41.5
12:20 AM - 12:25 AM	49.4	43.5	5.9	1.5	-	-	50.9	41.5

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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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580673-1



TESTING  
No.0042

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Sample No. 2314125-30  
Parameter เลื่อนกราม  
Location ชุมชนบ้านไทร (Ban Phusai Community) (GPS 47P 0725739, 1434370)  
Measurement Date Feb 15 - 16, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00734221

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		ปรับค่าเสียงจากแหล่งกำเนิด		เสียงที่รบกวน	ค่าคะแนนการรบกวน
			ผลต่าง	ค่าปรับ	ค่าจริง	ค่าปรับ		
03:45 AM - 03:50 AM	48.2	38.9	9.3	0.5	-	50.7	37.0	13.7
03:50 AM - 03:55 AM	46.6	46.7	-0.1	7.0	-	42.7	38.2	4.8
03:55 AM - 04:00 AM	48.0	48.6	-0.6	7.0	-	44.0	38.2	5.8
04:00 AM - 04:05 AM	46.8	48.3	-1.5	7.0	-	42.8	38.9	3.9
04:05 AM - 04:10 AM	47.2	40.3	6.9	1.0	-	49.2	38.2	11.0
04:10 AM - 04:15 AM	47.2	40.6	6.6	1.0	-	49.2	38.2	10.8
04:15 AM - 04:20 AM	47.0	40.0	7.0	1.0	-	49.0	37.6	11.4
04:20 AM - 04:25 AM	46.2	41.8	4.4	2.0	-	47.2	38.9	8.3
04:25 AM - 04:30 AM	46.9	41.7	5.2	1.5	-	48.4	38.5	9.9
04:30 AM - 04:35 AM	46.6	42.6	4.0	2.0	-	47.2	39.2	8.0
04:35 AM - 04:40 AM	44.9	42.1	2.8	3.0	-	44.9	39.3	5.6
04:40 AM - 04:45 AM	45.9	42.7	3.2	3.0	-	45.9	39.5	6.4
04:45 AM - 04:50 AM	44.8	43.0	1.8	4.5	-	43.3	39.6	3.7
04:50 AM - 04:55 AM	45.4	41.5	3.9	2.0	-	46.4	39.3	7.1
04:55 AM - 05:00 AM	44.4	41.9	2.5	3.0	-	44.4	39.9	4.5
05:00 AM - 05:05 AM	45.8	43.2	2.6	3.0	-	45.8	40.1	5.7
05:05 AM - 05:10 AM	49.3	43.1	6.2	1.5	-	50.8	39.7	11.1
05:10 AM - 05:15 AM	47.5	42.9	4.6	1.5	-	49.0	40.0	9.0
05:15 AM - 05:20 AM	49.2	44.0	5.2	1.5	-	50.7	39.9	10.8
05:20 AM - 05:25 AM	47.4	42.5	4.9	1.5	-	48.9	39.7	9.2
05:25 AM - 05:30 AM	48.1	47.8	0.3	7.0	-	44.1	40.9	3.2
05:30 AM - 05:35 AM	48.2	48.6	-0.4	7.0	-	44.2	40.1	4.1
05:35 AM - 05:40 AM	46.7	42.7	4.0	2.0	-	47.7	40.1	7.6
05:40 AM - 05:45 AM	50.4	41.7	8.7	0.5	-	52.9	39.5	13.4
05:45 AM - 05:50 AM	49.7	41.9	7.8	0.5	-	52.5	39.6	12.9
05:50 AM - 05:55 AM	49.9	42.7	7.2	1.0	-	51.9	40.1	11.8
05:55 AM - 06:00 AM	48.7	43.2	5.5	1.5	-	50.2	40.6	9.6
06:00 AM - 07:00 AM	52.7	49.6	3.1	3.0	49.7	-	41.4	8.3
07:00 AM - 08:00 AM	62.9	49.3	13.6	0.0	62.9	-	41.9	21.3
08:00 AM - 09:00 AM	60.2	48.3	11.9	0.5	59.7	-	41.4	18.0
09:00 AM - 10:00 AM	56.8	46.9	9.9	0.5	56.3	-	43.2	13.1
10:00 AM - 11:00 AM	61.4	45.9	15.5	0.0	61.4	-	40.9	20.5

Reference Method :

1. ISO 1996-1

2. ประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

มาตรฐาน

1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548  
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนระดับเสียงที่เกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561  
ระดับเสียงตามเกณฑ์มาตรฐานการตรวจวัด 15-16 มุมรอบตัว 2566  
ระดับเสียงที่ตรวจวัดและระดับเสียงขณะไม่มีการรบกวน (Sample No.2292538-5 วันจันทร์ที่ 31 ธันวาคม 2565-01 มกราคม 2566)

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Approved by

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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 : 4500022918  
Project Name : Monitoring  
Project Location :

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580674-1



TESTING  
No.0042

Page 2 of 3

Sample No. 2314125-31  
Parameter เลื่อนกราม  
Location ชุมชนบ้านไทร (Ban Phusai Community) (GPS 47P 0725739, 1434370)  
Measurement Date Feb 16 - 17, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00734221

เวลา	ระดับเสียง (dB(A))					เสียงรบกวน การคำนวณ	ค่าประเมิน การคำนวณ	
	เสียงจาก แหล่งกำเนิด	เสียงขณะ ไม่มีการรบกวน	ผลต่าง ระดับเสียง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด			
					การงาน			การพัก
12:25 AM - 12:30 AM	47.0	43.0	4.0	2.0	-	48.0	41.3	6.7
12:30 AM - 12:35 AM	46.3	44.1	2.2	4.5	-	44.8	41.9	2.9
12:35 AM - 12:40 AM	47.4	44.3	3.1	3.0	-	47.4	41.4	6.0
12:40 AM - 12:45 AM	47.2	42.1	5.1	1.5	-	48.7	40.4	7.8
12:45 AM - 12:50 AM	47.3	42.2	5.1	1.5	-	48.8	40.9	7.9
12:50 AM - 12:55 AM	47.0	41.8	5.2	1.5	-	48.5	40.5	8.0
12:55 AM - 01:00 AM	47.7	42.9	4.8	2.8	-	49.5	40.7	8.8
01:00 AM - 01:05 AM	48.1	42.7	5.4	1.5	-	49.6	40.6	9.0
01:05 AM - 01:10 AM	48.1	41.7	6.4	1.5	-	49.6	39.9	9.7
01:10 AM - 01:15 AM	48.6	41.1	7.5	0.5	-	51.1	39.6	11.5
01:15 AM - 01:20 AM	47.8	41.3	6.4	3.0	-	49.3	39.3	10.5
01:20 AM - 01:25 AM	47.9	41.2	6.7	1.0	-	49.9	39.6	10.3
01:25 AM - 01:30 AM	47.3	41.3	6.0	1.5	-	48.8	39.7	9.1
01:30 AM - 01:35 AM	47.2	40.9	6.3	1.5	-	48.7	39.5	9.2
01:35 AM - 01:40 AM	46.9	41.5	5.4	1.5	-	48.2	39.2	9.2
01:40 AM - 01:45 AM	46.4	40.9	5.4	7.0	-	42.4	39.5	2.9
01:45 AM - 01:50 AM	46.2	40.9	5.3	1.5	-	47.7	39.2	8.5
01:50 AM - 01:55 AM	46.2	40.4	5.6	1.5	-	47.5	38.8	8.7
01:55 AM - 02:00 AM	46.0	40.4	5.6	1.5	-	47.5	38.9	8.6
02:00 AM - 02:05 AM	45.5	40.1	5.4	1.5	-	47.0	39.2	7.8
02:05 AM - 02:10 AM	45.5	41.3	4.2	2.0	-	46.5	39.8	6.7
02:10 AM - 02:15 AM	46.0	39.5	6.5	1.0	-	48.0	38.4	9.6
02:15 AM - 02:20 AM	45.6	39.1	6.5	1.0	-	47.4	38.0	9.6
02:20 AM - 02:25 AM	44.1	40.3	3.8	2.0	-	45.1	38.2	6.9
02:25 AM - 02:30 AM	44.1	39.7	4.3	4.5	-	42.5	38.3	4.2
02:30 AM - 02:35 AM	44.4	39.7	4.7	1.5	-	45.9	38.4	7.5
02:35 AM - 02:40 AM	44.4	39.5	4.9	1.5	-	46.1	38.5	7.5
02:40 AM - 02:45 AM	43.5	39.5	4.0	2.0	-	44.5	38.5	6.0
02:45 AM - 02:50 AM	43.8	39.4	4.4	2.0	-	44.8	38.1	6.7
02:50 AM - 02:55 AM	44.0	39.7	4.3	2.0	-	45.0	38.1	6.9
02:55 AM - 03:00 AM	44.0	40.0	4.0	2.0	-	45.0	38.1	6.9
03:00 AM - 03:05 AM	43.7	40.0	3.7	2.0	-	44.3	38.4	5.9
03:05 AM - 03:10 AM	44.1	39.4	4.7	1.5	-	45.6	37.8	7.8
03:10 AM - 03:15 AM	43.6	40.4	3.2	3.0	-	43.6	38.2	5.4
03:15 AM - 03:20 AM	43.8	39.7	4.1	2.0	-	44.8	37.7	7.1
03:20 AM - 03:25 AM	43.6	39.3	4.3	2.0	-	44.4	37.7	6.9
03:25 AM - 03:30 AM	44.6	39.3	5.3	1.5	-	46.1	37.4	8.7
03:30 AM - 03:35 AM	44.4	39.0	5.4	1.5	-	45.9	37.3	8.6
03:35 AM - 03:40 AM	47.3	39.1	8.2	0.5	-	49.8	37.2	12.6
03:40 AM - 03:45 AM	43.8	39.0	4.8	1.5	-	45.3	36.9	8.4





## Analysis / Test Report

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

P/O : 4500022918  
Project Name : Monitoring  
Project Location :

Sample No. 2314125-31  
Parameter เสียงรบกวน  
Location ชุมชนบ้านไทร (Ban Phusai Community) (GPS 47P 0725739, 1434370)  
Measurement Date Feb 16 - 18, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00734221

ระดับเสียง (dB(A))								
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ผลต่างระดับเสียง	ค่าปรับค่า	ปริมาณเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าเฉลี่ยการรบกวน
					ค่าเสียง	ค่าเสียง		
03:45 AM - 03:50 AM	43.4	38.9	4.5	1.5	-	-	37.0	7.9
03:50 AM - 03:55 AM	43.3	46.7	-3.4	7.0	-	-	39.7	1.5
03:55 AM - 04:00 AM	43.2	48.6	-5.4	7.0	-	-	44.2	1.0
04:00 AM - 04:05 AM	43.4	48.3	-4.9	7.0	-	-	39.4	0.5
04:05 AM - 04:10 AM	43.4	40.3	3.1	3.0	-	-	43.4	5.2
04:10 AM - 04:15 AM	43.2	40.6	2.6	3.0	-	-	43.4	4.8
04:15 AM - 04:20 AM	43.2	40.0	3.2	3.0	-	-	43.2	5.6
04:20 AM - 04:25 AM	42.9	41.8	1.1	7.0	-	-	38.9	0.0
04:25 AM - 04:30 AM	43.4	41.7	1.7	4.5	-	-	38.9	3.5
04:30 AM - 04:35 AM	43.5	42.6	0.9	7.0	-	-	39.5	0.3
04:35 AM - 04:40 AM	43.3	42.1	1.2	7.0	-	-	39.3	0.0
04:40 AM - 04:45 AM	46.0	42.7	3.3	3.0	-	-	46.0	6.5
04:45 AM - 04:50 AM	43.7	43.0	0.7	7.0	-	-	39.7	0.1
04:50 AM - 04:55 AM	43.4	41.5	1.9	4.5	-	-	39.9	2.6
04:55 AM - 05:00 AM	45.2	41.9	3.3	3.0	-	-	45.2	3.9
05:00 AM - 05:05 AM	44.8	43.2	1.6	4.5	-	-	43.3	4.0
05:05 AM - 05:10 AM	44.7	43.1	1.6	4.5	-	-	43.2	3.5
05:10 AM - 05:15 AM	44.7	42.9	1.8	4.5	-	-	43.2	4.0
05:15 AM - 05:20 AM	48.9	44.0	4.9	1.5	-	-	50.4	3.9
05:20 AM - 05:25 AM	44.8	42.5	2.3	4.5	-	-	43.3	3.9
05:25 AM - 05:30 AM	44.6	47.8	-3.2	7.0	-	-	40.6	-0.3
05:30 AM - 05:35 AM	44.9	48.6	-3.7	7.0	-	-	40.9	0.1
05:35 AM - 05:40 AM	44.8	42.7	2.1	4.5	-	-	43.3	4.0
05:40 AM - 05:45 AM	46.0	41.7	4.3	2.0	-	-	47.0	3.9
05:45 AM - 05:50 AM	46.0	41.9	4.1	2.0	-	-	46.6	7.5
05:50 AM - 05:55 AM	45.7	42.7	3.0	3.0	-	-	45.7	4.0
05:55 AM - 06:00 AM	45.7	43.2	2.5	3.0	-	-	45.7	4.6
06:00 AM - 07:00 AM	51.3	49.6	1.7	4.5	46.8	-	-	41.4
07:00 AM - 08:00 AM	53.2	49.3	3.9	3.0	51.2	41.9	-	9.3
08:00 AM - 09:00 AM	55.0	48.3	6.7	1.0	54.0	-	-	12.6
09:00 AM - 10:00 AM	52.7	46.9	5.8	1.5	51.2	-	-	8.0
10:00 AM - 11:00 AM	53.7	45.9	7.8	0.5	53.2	-	-	12.3

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

หมายเหตุ :  
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงรบกวนเฉลี่ยค่าเสียงที่เกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2548  
2. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานเสียงรบกวนเฉลี่ยค่าเสียงที่เกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561  
ระดับเสียงตามเกณฑ์ค่ามาตรฐานเสียงรบกวนเฉลี่ยค่าเสียงที่เกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561  
ระดับเสียงตามเกณฑ์ค่ามาตรฐานเสียงรบกวนเฉลี่ยค่าเสียงที่เกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

ระดับเสียงตามเกณฑ์ค่ามาตรฐานเสียงรบกวนเฉลี่ยค่าเสียงที่เกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

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## Analysis / Test Report

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

P/O : 4500022918  
Project Name : Monitoring  
Project Location :

Sample No. 2314125-32  
Parameter เสียงรบกวน  
Location ชุมชนบ้านไทร (Ban Phusai Community) (GPS 47P 0725739, 1434370)  
Measurement Date Feb 17 - 18, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00734221

เวลา	เสียงจากแหล่งกำเนิด	ระดับเสียง (dB(A))				ปริมิตายเสียงจากแหล่งกำเนิด	เสียงที่รบกวน	ค่าเฉลี่ยการรบกวน
		เสียงขณะไม่มีการรบกวน	ผลต่าง	ตัวแปรค่า	ค่าเฉลี่ย			
12:25 AM - 12:30 AM	46.6	43.0	3.6	2.0	-	47.6	41.3	6.3
12:30 AM - 12:35 AM	46.6	44.1	2.5	3.0	-	46.6	41.9	4.7
12:35 AM - 12:40 AM	45.9	44.3	1.6	4.5	-	45.4	41.4	3.0
12:40 AM - 12:45 AM	46.1	42.1	4.0	2.0	-	47.1	40.9	6.2
12:45 AM - 12:50 AM	46.2	42.2	4.0	2.0	-	47.2	40.9	6.3
12:50 AM - 12:55 AM	46.8	41.8	5.0	1.5	-	48.3	40.6	7.8
12:55 AM - 01:00 AM	45.3	42.9	2.4	4.5	-	43.8	40.3	3.1
01:00 AM - 01:05 AM	45.5	42.7	2.8	3.0	-	45.5	40.5	4.9
01:05 AM - 01:10 AM	46.0	41.7	4.3	2.0	-	47.0	39.9	7.1
01:10 AM - 01:15 AM	49.8	41.1	8.7	0.5	-	52.3	39.6	12.7
01:15 AM - 01:20 AM	47.7	41.4	6.3	1.5	-	49.2	39.1	9.9
01:20 AM - 01:25 AM	49.7	41.2	8.5	0.5	-	52.2	39.6	12.6
01:25 AM - 01:30 AM	59.7	41.3	18.4	0.0	-	62.7	39.7	23.0
01:30 AM - 01:35 AM	49.7	40.9	8.8	0.5	-	52.2	39.5	12.7
01:35 AM - 01:40 AM	52.7	41.0	11.7	0.5	-	53.3	39.5	16.0
01:40 AM - 01:45 AM	46.4	45.0	1.4	7.0	-	42.4	39.5	2.9
01:45 AM - 01:50 AM	44.9	40.9	4.0	2.0	-	45.9	39.2	6.7
01:50 AM - 01:55 AM	45.5	40.4	5.1	1.5	-	47.0	38.8	8.2
01:55 AM - 02:00 AM	45.9	40.4	5.5	1.5	-	47.3	38.9	8.5
02:00 AM - 02:05 AM	47.5	40.1	7.4	1.0	-	49.5	39.2	10.3
02:05 AM - 02:10 AM	47.0	41.3	5.7	1.5	-	48.5	39.8	8.7
02:10 AM - 02:15 AM	46.9	39.5	7.4	1.0	-	48.9	38.4	10.5
02:15 AM - 02:20 AM	46.1	39.1	7.0	1.0	-	48.1	38.0	10.1
02:20 AM - 02:25 AM	46.1	40.3	5.8	1.5	-	47.6	38.2	9.4
02:25 AM - 02:30 AM	45.8	41.7	4.1	2.0	-	46.8	38.3	8.5
02:30 AM - 02:35 AM	47.0	39.7	7.3	1.0	-	49.0	38.4	10.6
02:35 AM - 02:40 AM	45.3	39.5	5.8	1.5	-	46.8	38.4	8.4
02:40 AM - 02:45 AM	46.8	39.5	7.3	1.0	-	48.5	38.5	10.3
02:45 AM - 02:50 AM	45.3	39.4	5.9	1.5	-	45.8	38.1	7.7
02:50 AM - 02:55 AM	44.5	39.7	4.8	1.5	-	46.0	38.1	7.9
02:55 AM - 03:00 AM	46.5	40.0	6.5	1.0	-	48.5	38.1	10.4
03:00 AM - 03:05 AM	46.4	40.0	6.4	1.5	-	47.9	38.1	9.5
03:05 AM - 03:10 AM	46.0	39.4	6.6	1.0	-	48.0	37.8	10.2
03:10 AM - 03:15 AM	47.2	40.4	6.8	1.0	-	49.2	38.2	11.0
03:15 AM - 03:20 AM	47.5	39.7	7.8	0.5	-	50.0	37.7	12.3
03:20 AM - 03:25 AM	46.9	39.3	7.6	1.0	-	47.7	37.4	11.0
03:25 AM - 03:30 AM	46.4	39.3	7.1	1.0	-	48.4	37.4	11.0
03:30 AM - 03:35 AM	45.4	39.0	6.4	1.5	-	46.9	37.3	9.6
03:35 AM - 03:40 AM	46.9	39.1	7.8	0.5	-	47.4	37.2	12.2
03:40 AM - 03:45 AM	44.8	38.3	6.5	1.0	-	44.9	36.9	7.9

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## Analysis / Test Report

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

P/O : 4500022918  
Project Name : Monitoring  
Project Location :

Sample No. 2314125-32  
Parameter เสียงรบกวน  
Location ชุมชนบ้านไทร (Ban Phusai Community) (GPS 47P 0725739, 1434370)  
Measurement Date Feb 17 - 18, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00734221

ค่าเสียงเดิม (dB(A))								
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ผลต่างค่าเสียงเดิม	ปรับขึ้นค่า	ปรับตามเสียงจากแหล่งกำเนิด		เสียงที่ปรับตามค่าเสียงจากแหล่งกำเนิด	
					การปรับขึ้น	การลด		
11:00 AM - 12:00 PM	57.5	46.6	10.9	0.5	57.0	-	41.5	15.5
12:00 PM - 01:00 PM	52.7	45.5	7.2	1.0	51.7	-	40.7	11.0
01:00 PM - 02:00 PM	52.4	47.3	5.1	1.5	50.9	-	39.7	11.2
02:00 PM - 03:00 PM	53.6	48.5	5.1	1.5	52.1	-	38.6	13.5
03:00 PM - 04:00 PM	53.0	47.2	5.8	1.5	51.5	-	39.6	11.9
04:00 PM - 05:00 PM	52.1	48.4	-3.7	2.0	50.1	-	40.7	9.4
05:00 PM - 06:00 PM	51.6	53.9	-2.3	7.0	44.6	-	41.7	2.9
06:00 PM - 07:00 PM	46.8	47.8	-1.0	7.0	39.8	-	45.2	-5.4
07:00 PM - 08:00 PM	46.0	48.2	-2.2	7.0	39.0	-	46.6	-7.6
08:00 PM - 09:00 PM	45.8	47.6	-1.8	7.0	38.8	-	45.8	-6.8
09:00 PM - 10:00 PM	52.3	53.2	-0.9	7.0	45.3	-	43.9	1.4
10:00 PM - 10:05 PM	43.4	44.6	-1.2	7.0	-	39.4	43.1	-3.7
10:05 PM - 10:10 PM	44.0	44.6	-0.6	7.0	-	40.0	43.2	-3.2
10:10 PM - 10:15 PM	43.9	47.1	-3.2	7.0	-	39.1	43.3	-3.6
10:15 PM - 10:20 PM	43.4	54.2	-10.8	7.0	-	39.4	43.5	-4.1
10:20 PM - 10:25 PM	44.1	51.2	-7.1	7.0	-	40.1	43.0	-2.9
10:25 PM - 10:30 PM	43.7	44.4	-0.7	7.0	-	39.7	42.9	-3.2
10:30 PM - 10:35 PM	43.7	44.6	-0.9	7.0	-	39.7	42.9	-3.2
10:35 PM - 10:40 PM	43.5	44.2	-0.7	7.0	-	39.5	42.7	-3.2
10:40 PM - 10:45 PM	43.4	43.6	-0.2	7.0	-	39.4	42.4	-3.0
10:45 PM - 10:50 PM	43.4	48.9	-5.5	7.0	-	39.4	42.3	-2.9
10:50 PM - 10:55 PM	43.9	46.8	-2.9	7.0	-	42.6	42.6	-2.7
10:55 PM - 11:00 PM	46.6	45.3	1.3	7.0	-	42.6	42.3	0.3
11:00 PM - 11:05 PM	44.9	45.3	-0.4	7.0	-	40.9	42.2	-1.3
11:05 PM - 11:10 PM	45.1	45.7	-0.6	7.0	-	41.1	42.3	-1.2
11:10 PM - 11:15 PM	45.0	45.4	-0.4	7.0	-	41.0	42.3	-1.2
11:15 PM - 11:20 PM	45.6	44.7	0.9	7.0	-	41.9	41.8	-0.2
11:20 PM - 11:25 PM	45.2	46.6	-1.4	7.0	-	41.2	42.1	-0.9
11:25 PM - 11:30 PM	46.2	45.3	0.9	7.0	-	42.2	41.8	0.4
11:30 PM - 11:35 PM	45.2	54.4	-9.2	7.0	-	41.2	41.2	0.0
11:35 PM - 11:40 PM	46.0	45.6	0.4	4.5	-	43.6	41.7	2.8
11:40 PM - 11:45 PM	49.1	47.3	1.8	4.5	-	47.6	41.6	6.0
11:45 PM - 11:50 PM	48.3	45.9	2.4	4.5	-	46.8	41.9	4.9
11:50 PM - 11:55 PM	46.4	46.2	0.2	7.0	-	42.4	42.0	0.4
11:55 PM - 12:00 AM	47.0	46.3	-0.7	7.0	-	43.7	42.3	0.3
12:00 AM - 12:05 AM	47.5	55.7	-8.2	7.0	-	43.5	43.5	0.0
12:05 AM - 12:10 AM	46.7	45.5	1.2	7.0	-	42.7	41.9	0.8
12:10 AM - 12:15 AM	46.7	44.5	2.2	4.5	-	45.2	41.7	3.5
12:15 AM - 12:20 AM	46.6	43.6	3.0	3.0	-	46.6	41.5	5.1
12:20 AM - 12:25 AM	45.8	43.5	2.3	4.5	-	45.8	41.7	4.1

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Wilawan Borirak  
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## Analysis / Test Report

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

P/O : 4500022918  
Project Name : Monitoring  
Project Location :

Sample No. 2314125-32  
Parameter เสียงรบกวน  
Location ชุมชนบ้านไทร (Ban Phusai Community) (GPS 47P 0725739, 1434370)  
Measurement Date Feb 17 - 18, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00734221

Sound Level Meter		0073421		ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ผลต่างระดับเสียง	ตัวแปรค่า	ปริมาณเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าการรบกวน		
					การรบกวน (K)	ค่าเฉลี่ย (K+2)				
03:45 AM - 03:50 AM	44.9	38.9	6.0	1.5	-	46.4	37.0	9.4		
03:50 AM - 03:55 AM	45.9	46.7	-0.8	7.0	-	41.9	37.8	4.1		
03:55 AM - 04:00 AM	44.7	48.6	-3.9	7.0	-	40.7	38.2	2.5		
04:00 AM - 04:05 AM	45.4	48.3	-2.9	7.0	-	41.4	38.9	2.5		
04:05 AM - 04:10 AM	46.1	40.3	5.8	0.5	-	50.6	38.2	12.4		
04:10 AM - 04:15 AM	46.3	40.6	5.7	1.5	-	47.8	38.4	9.4		
04:15 AM - 04:20 AM	45.8	40.0	5.8	1.5	-	47.3	38.4	9.4		
04:20 AM - 04:25 AM	44.7	41.8	2.9	3.0	-	44.7	38.9	5.8		
04:25 AM - 04:30 AM	45.2	41.7	3.5	2.0	-	46.2	38.5	7.7		
04:30 AM - 04:35 AM	45.3	42.6	2.7	3.0	-	45.3	39.2	6.1		
04:35 AM - 04:40 AM	44.2	42.1	2.1	4.5	-	43.9	39.5	4.4		
04:40 AM - 04:45 AM	43.9	42.7	1.2	7.0	-	39.9	39.5	0.4		
04:45 AM - 04:50 AM	44.9	43.0	1.9	4.5	-	43.4	39.6	3.8		
04:50 AM - 04:55 AM	45.5	41.5	4.0	2.0	-	46.5	39.3	7.2		
04:55 AM - 05:00 AM	45.1	41.9	3.2	3.0	-	45.1	39.9	5.2		
05:00 AM - 05:05 AM	45.4	43.2	2.2	4.5	-	43.9	40.1	3.8		
05:05 AM - 05:10 AM	45.8	43.1	2.7	3.0	-	45.8	39.7	6.1		
05:10 AM - 05:15 AM	45.9	42.9	3.0	3.0	-	45.9	39.9	6.0		
05:15 AM - 05:20 AM	44.5	44.0	0.5	7.0	-	40.5	39.9	0.6		
05:20 AM - 05:25 AM	43.7	42.5	1.2	7.0	-	39.7	39.7	0.0		
05:25 AM - 05:30 AM	44.1	47.8	-3.7	7.0	-	40.1	40.9	-0.8		
05:30 AM - 05:35 AM	50.0	48.6	1.4	7.0	-	45.0	40.1	5.9		
05:35 AM - 05:40 AM	50.1	42.7	7.4	1.0	-	52.1	40.1	12.0		
05:40 AM - 05:45 AM	49.2	41.7	7.5	0.5	-	47.7	39.5	12.2		
05:45 AM - 05:50 AM	48.3	41.9	6.4	1.5	-	49.8	39.6	10.2		
05:50 AM - 05:55 AM	47.2	41.9	5.3	1.5	-	49.2	40.1	11.1		
05:55 AM - 06:00 AM	48.6	43.2	5.4	1.5	-	50.1	40.6	9.5		
06:00 AM - 07:00 AM	50.4	49.6	0.8	7.0	43.4	-	41.4	2.0		
07:00 AM - 08:00 AM	55.5	49.3	4.2	20.0	51.5	-	41.9	9.6		
08:00 AM - 09:00 AM	52.7	44.4	8.3	2.0	50.7	-	41.4	9.3		
09:00 AM - 10:00 AM	55.2	46.9	8.3	0.5	54.7	-	43.2	11.5		
10:00 AM - 11:00 AM	57.1	45.9	11.2	0.5	56.6	-	40.9	15.7		



## 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 : 4500022918  
Project Name : Monitoring  
Project Location :

Sample No. 2314125-33  
Parameter เสียงรบกวน  
Location ชุมชนบ้านไทร (Ban Phusai Community) (GPS 47P 0725739, 1434370)  
Measurement Date Feb 18 - 19, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00734221

เวลา	เสียงจากแหล่งกำเนิด	ระดับเสียง (dB(A))					เสียงที่ผู้รบกวน		การรบกวน
		เสียงขณะไม่มีการรบกวน	ผลต่าง	ค่าปรับ	ปรับตามเสียงจากแหล่งกำเนิด				
					ค่าเสียง	ค่าเสียง			
11:00 AM - 12:00 PM	52.3	46.6	5.7	1.5	30.8	-	41.5	9.3	
12:00 PM - 01:00 PM	57.7	45.5	12.2	0.5	57.2	-	40.7	16.5	
01:00 PM - 02:00 PM	54.8	47.3	7.5	0.5	54.3	-	39.7	14.6	
02:00 PM - 03:00 PM	63.5	48.5	15.0	0.0	63.5	-	38.6	24.9	
03:00 PM - 04:00 PM	55.6	47.2	8.4	0.5	55.1	-	39.6	15.5	
04:00 PM - 05:00 PM	51.1	48.4	2.7	3.0	48.1	-	39.7	7.4	
05:00 PM - 06:00 PM	51.0	53.9	-2.9	7.0	44.0	-	41.7	2.3	
06:00 PM - 07:00 PM	49.1	47.8	1.3	7.0	42.1	-	45.2	-3.1	
07:00 PM - 08:00 PM	53.0	48.2	4.8	1.5	51.5	-	46.6	4.9	
08:00 PM - 09:00 PM	48.2	47.6	0.6	7.0	41.2	-	43.5	-4.2	
09:00 PM - 10:00 PM	48.4	53.2	-4.8	7.0	41.4	-	43.9	-2.5	
10:00 PM - 10:05 PM	47.1	44.6	2.5	3.0	-	47.1	43.1	4.0	
10:05 PM - 10:10 PM	46.0	44.6	1.4	7.0	-	42.0	43.2	-1.2	
10:10 PM - 10:15 PM	45.8	47.1	-1.3	7.0	-	41.8	43.5	-1.7	
10:15 PM - 10:20 PM	45.8	54.2	-8.4	7.0	-	41.8	43.5	-1.7	
10:20 PM - 10:25 PM	46.3	51.2	-4.9	7.0	-	42.3	43.0	-0.7	
10:25 PM - 10:30 PM	45.7	44.4	1.3	7.0	-	41.7	42.9	-1.2	
10:30 PM - 10:35 PM	46.4	44.6	1.8	4.5	-	44.8	42.8	2.0	
10:35 PM - 10:40 PM	46.3	44.2	2.1	4.5	-	44.8	42.7	2.1	
10:40 PM - 10:45 PM	47.1	43.6	3.5	2.0	-	48.1	42.4	5.7	
10:45 PM - 10:50 PM	45.9	48.9	-3.0	7.0	-	41.9	42.3	-0.4	
10:50 PM - 10:55 PM	45.7	46.8	-1.1	7.0	-	41.7	42.6	-0.9	
10:55 PM - 11:00 PM	51.4	45.3	6.1	1.5	-	52.9	42.3	10.6	
11:00 PM - 11:05 PM	44.4	45.3	-0.9	7.0	-	40.4	42.2	-1.8	
11:05 PM - 11:10 PM	45.5	45.7	-0.2	7.0	-	41.5	42.3	-0.8	
11:10 PM - 11:15 PM	44.0	45.4	-1.4	7.0	-	40.0	42.4	-2.4	
11:15 PM - 11:20 PM	43.5	44.7	-1.2	7.0	-	39.5	41.8	-2.3	
11:20 PM - 11:25 PM	44.3	46.6	-2.3	7.0	-	40.3	42.1	-1.8	
11:25 PM - 11:30 PM	43.3	45.3	-2.0	7.0	-	39.3	41.5	-2.5	
11:30 PM - 11:35 PM	42.1	54.4	-12.3	7.0	-	38.1	41.2	-3.1	
11:35 PM - 11:40 PM	42.7	43.6	-0.9	7.0	-	38.7	39.7	-1.0	
11:40 PM - 11:45 PM	49.0	47.3	1.7	4.5	-	45.5	41.6	5.9	
11:45 PM - 11:50 PM	49.5	45.9	3.6	2.0	-	50.5	41.9	8.6	
11:50 PM - 11:55 PM	43.6	46.2	-2.6	7.0	-	39.6	42.4	-2.4	
11:55 PM - 12:00 AM	42.9	66.3	-23.4	7.0	-	38.9	42.4	-3.8	
12:00 AM - 12:05 AM	46.0	55.7	-9.7	7.0	-	42.0	43.5	-1.5	
12:05 AM - 12:10 AM	44.3	45.5	-1.2	7.0	-	40.3	41.9	-1.6	
12:10 AM - 12:15 AM	43.7	44.5	-0.8	7.0	-	39.7	41.7	-2.0	
12:15 AM - 12:20 AM	44.5	43.6	0.9	7.0	-	40.5	41.5	-1.0	
12:20 AM - 12:25 AM	43.3	43.5	-0.2	7.0	-	39.3	41.7	-2.4	

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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 : 4500022918  
Project Name : Monitoring  
Project Location :

Sample No. 2314125-33  
Parameter เสียงรบกวน  
Location ชุมชนบ้านไทร (Ban Phusai Community) (GPS 47P 0725739, 1434370)  
Measurement Date Feb 18 - 19, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00734221

ระดับเสียง (dB(A))							
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ผลต่าง	ค่าปรับ	ปรับค่าเสียงจากแหล่งกำเนิด		ค่าเฉลี่ยการรบกวน
					การอ่าน	การอ่าน	
03:45 AM - 03:50 AM	44.5	38.9	5.6	1.5	-	46.0	37.0
03:50 AM - 03:55 AM	44.3	46.7	-2.4	7.0	-	40.3	2.5
03:55 AM - 04:00 AM	43.5	48.6	-5.1	7.0	-	39.5	38.2
04:00 AM - 04:05 AM	43.0	48.3	-5.3	7.0	-	39.0	38.9
04:05 AM - 04:10 AM	43.8	40.3	3.5	2.0	-	44.8	38.2
04:10 AM - 04:15 AM	43.1	40.6	2.5	3.0	-	43.1	43.7
04:15 AM - 04:20 AM	42.2	40.0	2.2	4.5	-	40.7	37.6
04:20 AM - 04:25 AM	42.6	41.8	0.8	7.0	-	38.6	38.9
04:25 AM - 04:30 AM	42.8	41.7	1.1	7.0	-	38.8	38.5
04:30 AM - 04:35 AM	44.5	42.6	1.9	4.5	-	43.0	39.3
04:35 AM - 04:40 AM	42.6	42.1	0.5	7.0	-	38.6	39.3
04:40 AM - 04:45 AM	44.8	42.7	2.1	4.5	-	43.3	39.5
04:45 AM - 04:50 AM	42.8	43.0	-0.2	7.0	-	38.8	39.6
04:50 AM - 04:55 AM	42.4	41.5	0.9	7.0	-	38.4	39.3
04:55 AM - 05:00 AM	42.9	41.9	1.0	7.0	-	38.9	39.9
05:00 AM - 05:05 AM	43.3	43.2	0.1	7.0	-	39.3	40.1
05:05 AM - 05:10 AM	42.7	43.1	-0.4	7.0	-	38.7	39.7
05:10 AM - 05:15 AM	43.2	42.9	0.3	7.0	-	39.2	40.8
05:15 AM - 05:20 AM	42.7	44.0	-1.3	7.0	-	38.7	39.9
05:20 AM - 05:25 AM	42.5	42.5	0.0	7.0	-	38.5	39.7
05:25 AM - 05:30 AM	45.4	47.8	-2.4	7.0	-	41.4	40.9
05:30 AM - 05:35 AM	43.6	48.6	-5.0	7.0	-	39.6	40.1
05:35 AM - 05:40 AM	43.0	42.7	0.3	7.0	-	39.0	40.1
05:40 AM - 05:45 AM	43.3	41.7	1.6	4.5	-	41.8	39.5
05:45 AM - 05:50 AM	45.8	41.9	3.9	2.0	-	45.8	39.6
05:50 AM - 05:55 AM	49.9	42.7	7.2	1.0	-	51.9	40.1
05:55 AM - 06:00 AM	49.0	43.2	5.8	1.5	-	50.5	40.6
06:00 AM - 07:00 AM	48.7	49.6	-0.9	7.0	41.7	-	41.4
07:00 AM - 08:00 AM	43.5	48.3	-4.8	7.0	36.5	-	41.9
08:00 AM - 09:00 AM	43.2	48.3	-5.1	7.0	36.2	-	41.9
09:00 AM - 10:00 AM	48.1	46.9	1.2	7.0	41.1	-	43.2
10:00 AM - 11:00 AM	50.7	45.9	4.8	1.5	49.2	-	40.9

Reference Method :  
1. ISO 1996-1  
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน โดยมีเสียงเฉลี่ย 25 dBA และระดับเสียงสูงสุดที่ค่าจากการประกาศของกระทรวงฯ พ.ศ. 2553

หมายเหตุ :  
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงรบกวนและระดับเสียงที่ค่าจากการประกาศของกระทรวงฯ พ.ศ. 2548  
2. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานเสียงที่ค่าจากการประกาศของกระทรวงฯ พ.ศ. 2561  
ระดับเสียงจากแหล่งกำเนิดเสียง (Sample No. 23142538-5) ที่ตรวจวัด 2566  
ระดับเสียงที่ตรวจวัดและระดับเสียงขณะไม่มีการรบกวน (Sample No. 23142538-5) ที่ตรวจวัด 2565-01 มกราคม 2566

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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. Mabangpore, A. Pluakdaeng, Rayong  
Thailand 21140

P/O : 4500022918  
Project Name : Monitoring  
Project Location :

Sample No. 2314125-33  
Parameter เสียงรบกวน  
Location ชุมชนบ้านไทร (Ban Phusai Community) (GPS 47P 0725739, 1434370)  
Measurement Date Feb 18 - 19, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00734221

เวลา	ระดับเสียง (dB(A))				เสียงรบกวน การรบกวน		
	เสียงจาก แหล่งกำเนิด	เสียงขณะ ไม่มีการรบกวน	ผลต่าง	ค่าปรับ			
การวัดเสียงจากแหล่งกำเนิด							
เวลา	ผลต่าง	ค่าปรับ	ค่าเฉลี่ย	ค่าปรับ	ค่าเฉลี่ย		
12:25 AM - 12:30 AM	42.5	43.0	-0.5	7.0	38.5	41.3	-2.8
12:30 AM - 12:35 AM	40.8	44.1	-3.3	7.0	36.8	41.9	-5.1
12:35 AM - 12:40 AM	44.4	44.3	0.1	7.0	40.4	41.4	-1.0
12:40 AM - 12:45 AM	47.5	42.1	5.4	1.5	49.0	40.9	8.1
12:45 AM - 12:50 AM	44.9	42.2	2.7	3.0	44.9	40.9	4.0
12:50 AM - 12:55 AM	43.1	41.8	1.3	7.0	40.3	40.5	-1.4
12:55 AM - 01:00 AM	44.6	42.9	1.7	4.5	43.1	40.7	2.4
01:00 AM - 01:05 AM	43.3	42.7	0.6	7.0	39.3	40.6	-1.3
01:05 AM - 01:10 AM	46.6	41.7	4.9	1.5	48.1	39.9	8.2
01:10 AM - 01:15 AM	45.2	41.1	4.1	2.0	46.2	39.9	6.6
01:15 AM - 01:20 AM	45.5	41.4	4.1	2.0	46.5	39.3	7.2
01:20 AM - 01:25 AM	45.2	41.2	4.0	1.5	46.7	39.6	9.4
01:25 AM - 01:30 AM	45.4	41.3	4.1	2.0	46.4	39.7	6.7
01:30 AM - 01:35 AM	46.5	40.9	5.6	1.5	48.0	39.6	8.5
01:35 AM - 01:40 AM	47.4	41.0	6.4	1.5	48.9	39.2	9.7
01:40 AM - 01:45 AM	46.6	40.6	1.6	4.5	45.1	39.5	5.6
01:45 AM - 01:50 AM	45.7	40.9	4.8	1.5	47.2	38.2	8.0
01:50 AM - 01:55 AM	45.6	40.4	5.2	1.5	47.1	38.8	8.3
01:55 AM - 02:00 AM	45.2	40.4	4.8	1.5	46.7	38.9	7.6
02:00 AM - 02:05 AM	45.2	40.1	5.1	1.5	46.7	39.2	7.5
02:05 AM - 02:10 AM	45.3	41.3	4.0	2.0	46.3	39.8	6.5
02:10 AM - 02:15 AM	45.5	39.5	6.0	1.5	47.0	38.4	8.6
02:15 AM - 02:20 AM	45.5	39.1	6.4	1.5	47.0	38.0	9.0
02:20 AM - 02:25 AM	44.4	40.3	4.1	2.0	45.4	38.2	7.2
02:25 AM - 02:30 AM	45.0	41.7	3.3	3.0	45.0	38.3	6.7
02:30 AM - 02:35 AM	44.1	39.7	4.4	2.0	45.1	38.4	6.7
02:35 AM - 02:40 AM	47.0	39.5	7.5	0.5	49.5	38.9	11.4
02:40 AM - 02:45 AM	44.8	39.5	5.3	1.5	46.3	38.5	7.8
02:45 AM - 02:50 AM	44.3	39.4	4.9	1.5	45.8	38.1	7.7
02:50 AM - 02:55 AM	43.8	39.7	4.1	2.0	44.8	38.1	6.7
02:55 AM - 03:00 AM	43.2	40.0	3.2	3.0	43.2	38.1	5.2
03:00 AM - 03:05 AM	44.2	40.0	4.2	2.0	45.2	38.4	6.8
03:05 AM - 03:10 AM	44.6	39.4	5.2	1.5	46.1	37.8	8.3
03:10 AM - 03:15 AM	43.4	40.4	3.0	3.0	43.4	38.2	5.2
03:15 AM - 03:20 AM	43.1	39.7	3.4	3.0	43.1	37.4	5.4
03:20 AM - 03:25 AM	44.1	39.3	4.8	1.5	45.6	37.7	7.9
03:25 AM - 03:30 AM	45.4	39.3	6.1	1.5	46.9	37.4	9.5
03:30 AM - 03:35 AM	45.0	39.0	6.0	1.5	46.5	37.3	9.2
03:35 AM - 03:40 AM	44.3	39.1	5.2	1.5	45.8	37.2	8.6
03:40 AM - 03:45 AM	44.5	38.3	6.2	1.5	46.0	36.9	9.1

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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 : 4500022918  
Project Name : Monitoring  
Project Location :

Sample No. 2314125-34  
Parameter เสียงรบกวน  
Location ชุมชนบ้านไทร (Ban Phusai Community) (GPS 47P 0725739, 1434370)  
Measurement Date Feb 19 - 20, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00734221

ค่าเสียงขึ้น (dB(A))								
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ผลต่างระดับเสียง	ค่าปรับ	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าเสียงการรบกวน
					ค่าเสียง	ค่าเสียง		
11:00 AM - 12:00 PM	52.6	46.6	6.0	1.5	51.1	41.5	9.6	
12:00 PM - 01:00 PM	52.4	45.5	6.9	1.0	51.4	-	40.7	10.7
01:00 PM - 02:00 PM	52.8	47.3	5.5	1.5	51.3	-	39.7	11.6
02:00 PM - 03:00 PM	53.0	47.5	5.5	1.5	51.5	-	38.6	12.9
03:00 PM - 04:00 PM	56.3	47.2	9.1	0.5	55.8	-	39.6	16.2
04:00 PM - 05:00 PM	51.7	48.4	3.3	3.0	48.7	-	40.7	8.7
05:00 PM - 06:00 PM	52.2	53.9	-1.7	7.0	45.2	-	41.7	3.5
06:00 PM - 07:00 PM	46.5	47.8	-1.3	7.0	39.5	-	45.2	-5.7
07:00 PM - 08:00 PM	42.9	48.2	-5.3	7.0	35.9	-	46.6	-10.7
08:00 PM - 09:00 PM	43.6	47.6	-4.0	7.0	36.6	-	45.2	-8.6
09:00 PM - 10:00 PM	45.9	53.2	-7.3	7.0	38.9	-	43.9	-5.0
10:00 PM - 10:05 PM	46.0	44.6	1.4	7.0	-	42.0	43.1	-1.1
10:05 PM - 10:10 PM	47.1	44.6	2.5	3.0	-	47.1	43.2	3.9
10:10 PM - 10:15 PM	47.0	47.1	-0.1	7.0	-	43.0	43.5	-0.5
10:15 PM - 10:20 PM	47.2	54.2	-7.0	7.0	-	43.2	43.5	-0.3
10:20 PM - 10:25 PM	46.8	51.2	-4.4	7.0	-	42.8	43.0	-0.2
10:25 PM - 10:30 PM	47.0	44.4	2.6	3.0	-	47.0	42.9	4.1
10:30 PM - 10:35 PM	44.7	42.6	2.1	3.0	-	42.7	42.8	-0.1
10:35 PM - 10:40 PM	47.2	44.2	3.3	3.0	-	47.2	42.3	4.8
10:40 PM - 10:45 PM	47.0	43.6	3.4	3.0	-	47.0	42.4	4.6
10:45 PM - 10:50 PM	46.3	48.9	-2.6	7.0	-	42.3	42.3	0.0
10:50 PM - 10:55 PM	46.1	46.8	-0.7	7.0	-	42.1	42.6	-0.5
10:55 PM - 11:00 PM	45.5	47.0	-1.7	4.5	-	45.5	42.7	3.2
11:00 PM - 11:05 PM	47.1	45.3	1.8	4.5	-	45.6	42.2	3.4
11:05 PM - 11:10 PM	47.2	45.7	1.5	4.5	-	45.7	42.3	3.4
11:10 PM - 11:15 PM	47.3	45.4	1.9	4.5	-	45.8	42.4	3.4
11:15 PM - 11:20 PM	46.6	44.7	1.9	4.5	-	44.7	41.9	3.7
11:20 PM - 11:25 PM	49.1	46.6	2.5	3.0	-	49.1	42.1	7.0
11:25 PM - 11:30 PM	47.1	45.3	1.8	4.5	-	45.6	41.8	3.8
11:30 PM - 11:35 PM	48.0	54.4	-6.4	7.0	-	44.0	41.2	2.8
11:35 PM - 11:40 PM	47.2	43.6	3.6	3.0	-	47.2	41.7	6.5
11:40 PM - 11:45 PM	47.9	47.3	0.6	7.0	-	43.9	41.6	2.3
11:45 PM - 11:50 PM	47.7	45.9	1.8	4.5	-	46.2	41.9	4.3
11:50 PM - 11:55 PM	47.2	46.2	1.0	7.0	-	43.2	42.0	1.2
11:55 PM - 12:00 AM	46.9	45.9	1.0	7.0	-	41.9	42.7	-0.8
12:00 AM - 12:05 AM	45.5	55.7	-10.2	7.0	-	41.5	43.5	-2.0
12:05 AM - 12:10 AM	45.8	45.5	0.3	7.0	-	41.8	41.9	-0.1
12:10 AM - 12:15 AM	46.3	44.5	1.8	4.5	-	44.8	41.7	3.1
12:15 AM - 12:20 AM	47.0	43.6	3.4	3.0	-	47.0	41.5	5.5
12:20 AM - 12:25 AM	47.0	44.5	2.5	1.5	-	47.0	41.5	5.5



## 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 : 4500022918  
Project Name : Monitoring  
Project Location :



TESTING  
No.0042

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580677-1

Page 2 of 3

Sample No. 2314125-34  
Parameter เลื่อนรถขน  
Location ชุมชนบ้านไทร (Ban Phusai Community) (GPS 47P 0725739, 1434370)  
Measurement Date Feb 19 - 20, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00734221

ระดับเสียง (dB(A))								
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขนถ่าย	ผลต่างระดับเสียง	ค่าปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงทั้งหมด	ค่าเสียงการขนถ่าย
					ค่าจริง	ค่าปรับ		
12:25 AM - 12:30 AM	47.6	43.0	4.6	1.5	-	46.9	41.3	7.8
12:30 AM - 12:35 AM	46.9	44.1	2.8	3.0	-	46.9	41.9	5.0
12:35 AM - 12:40 AM	47.4	44.3	3.1	3.0	-	47.4	41.4	6.0
12:40 AM - 12:45 AM	46.4	42.1	4.3	2.0	-	47.4	40.9	6.5
12:45 AM - 12:50 AM	46.9	42.2	4.7	1.5	-	48.5	40.5	7.4
12:50 AM - 12:55 AM	46.4	41.8	4.6	1.5	-	47.9	40.5	7.4
12:55 AM - 01:00 AM	47.3	42.9	4.4	2.0	-	48.3	40.7	7.6
01:00 AM - 01:05 AM	46.8	42.7	4.1	2.0	-	47.8	40.6	7.2
01:05 AM - 01:10 AM	47.2	41.7	5.5	1.5	-	48.7	39.3	8.8
01:10 AM - 01:15 AM	47.5	41.1	6.4	1.5	-	49.0	39.6	9.4
01:15 AM - 01:20 AM	46.9	41.4	5.5	1.5	-	48.4	39.3	9.1
01:20 AM - 01:25 AM	47.2	41.2	6.0	1.5	-	48.7	39.6	9.1
01:25 AM - 01:30 AM	46.4	41.3	5.1	1.5	-	47.9	39.7	8.2
01:30 AM - 01:35 AM	47.0	40.9	6.1	1.5	-	48.5	39.5	9.0
01:35 AM - 01:40 AM	47.3	41.0	6.3	1.5	-	48.8	39.2	9.6
01:40 AM - 01:45 AM	47.1	40.0	7.1	4.5	-	45.6	39.5	6.1
01:45 AM - 01:50 AM	47.1	40.9	6.2	1.5	-	48.6	39.2	9.4
01:50 AM - 01:55 AM	47.4	40.4	7.0	1.0	-	49.4	38.3	10.6
01:55 AM - 02:00 AM	46.6	40.4	6.2	1.5	-	48.1	38.9	9.2
02:00 AM - 02:05 AM	47.2	40.1	7.1	1.0	-	49.2	39.2	10.0
02:05 AM - 02:10 AM	47.0	41.3	5.7	1.5	-	48.5	39.8	8.7
02:10 AM - 02:15 AM	46.7	39.5	7.2	1.0	-	48.7	38.4	10.3
02:15 AM - 02:20 AM	46.9	39.1	7.8	0.5	-	49.4	38.0	11.4
02:20 AM - 02:25 AM	46.4	40.3	6.1	1.5	-	47.9	38.2	9.7
02:25 AM - 02:30 AM	47.3	41.7	5.6	1.5	-	48.8	38.3	10.5
02:30 AM - 02:35 AM	46.2	39.7	6.5	1.0	-	47.6	38.4	9.8
02:35 AM - 02:40 AM	45.2	39.5	5.7	1.5	-	46.7	38.4	8.3
02:40 AM - 02:45 AM	45.9	39.5	6.4	1.5	-	47.4	38.5	8.9
02:45 AM - 02:50 AM	46.9	39.4	7.5	0.5	-	49.4	38.1	11.3
02:50 AM - 02:55 AM	47.0	39.7	7.3	1.0	-	49.0	38.1	10.9
02:55 AM - 03:00 AM	47.4	40.0	7.4	1.0	-	49.4	38.1	11.3
03:00 AM - 03:05 AM	47.8	40.0	7.8	0.5	-	50.3	38.4	11.9
03:05 AM - 03:10 AM	47.2	39.4	7.8	0.5	-	49.7	37.8	11.1
03:10 AM - 03:15 AM	44.9	40.4	4.5	1.5	-	46.4	38.2	8.2
03:15 AM - 03:20 AM	45.1	39.7	5.4	1.5	-	46.6	37.7	8.9
03:20 AM - 03:25 AM	45.4	39.3	6.1	1.5	-	46.9	37.7	9.2
03:25 AM - 03:30 AM	45.0	39.3	5.7	1.5	-	46.5	37.4	9.1
03:30 AM - 03:35 AM	45.1	39.0	6.1	1.5	-	46.6	37.4	9.3
03:35 AM - 03:40 AM	45.6	39.1	6.5	1.0	-	47.6	37.2	10.4
03:40 AM - 03:45 AM	45.4	38.3	7.1	1.0	-	47.4	36.9	10.5

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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 : 4500022918  
Project Name : Monitoring  
Project Location :



TESTING  
No.0042

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580678-1

Page 1 of 3

Sample No. 2314125-35  
Parameter เลื่อนรถขน  
Location ชุมชนบ้านไทร (Ban Phusai Community) (GPS 47P 0725739, 1434370)  
Measurement Date Feb 20 - 21, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00734221

เวลา	ระดับเสียง (dB(A))					เสียงรบกวน (dB)	ค่าคะแนน	
	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขนถ่าย	ผลต่างระดับเสียง	ค่าปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด			
	ค่าเฉลี่ย	ค่าเฉลี่ย	ค่าเฉลี่ย	ค่าเฉลี่ย	ค่าเฉลี่ย			
11:00 AM - 12:00 PM	52.3	46.6	5.7	1.5	50.8	-	41.5	9.3
12:00 PM - 01:00 PM	52.9	45.5	7.4	1.0	51.9	-	40.0	11.2
01:00 PM - 02:00 PM	53.3	47.3	6.0	1.5	51.8	-	39.7	12.1
02:00 PM - 03:00 PM	50.9	48.5	1.6	4.5	45.6	-	38.6	7.0
03:00 PM - 04:00 PM	47.2	47.2	0.5	7.0	40.7	-	39.6	1.1
04:00 PM - 05:00 PM	50.6	48.4	2.2	4.5	46.1	-	40.7	5.4
05:00 PM - 06:00 PM	50.8	53.9	-3.1	7.0	43.8	-	41.7	2.1
06:00 PM - 07:00 PM	51.1	47.8	3.3	3.0	48.1	-	45.2	2.9
07:00 PM - 08:00 PM	51.8	48.2	3.6	2.0	49.8	-	46.6	3.2
08:00 PM - 09:00 PM	51.5	3.9	3.0	49.0	42.7	-	45.5	4.1
09:00 PM - 10:00 PM	49.7	53.2	-3.5	7.0	42.7	-	43.9	-1.2
10:00 PM - 10:05 PM	47.6	44.6	3.0	3.0	-	47.6	43.1	4.5
10:05 PM - 10:10 PM	47.4	44.6	2.8	3.0	-	47.4	43.2	4.2
10:10 PM - 10:15 PM	48.3	47.2	1.2	7.0	-	48.3	43.7	4.6
10:15 PM - 10:20 PM	44.3	54.2	-9.9	7.0	-	40.3	43.5	-3.2
10:20 PM - 10:25 PM	45.1	51.2	-6.1	7.0	-	41.1	43.0	-1.9
10:25 PM - 10:30 PM	44.3	44.4	-0.1	7.0	-	40.3	42.9	-2.6
10:30 PM - 10:35 PM	44.5	44.6	-1.1	7.0	-	40.5	42.8	-2.3
10:35 PM - 10:40 PM	45.6	44.2	1.4	7.0	-	41.6	42.7	-1.1
10:40 PM - 10:45 PM	46.3	43.6	2.7	3.0	-	46.3	42.4	3.9
10:45 PM - 10:50 PM	46.2	48.9	-2.7	7.0	-	42.2	42.3	-0.1
10:50 PM - 10:55 PM	49.2	46.8	2.4	4.5	-	47.7	42.6	5.1
10:55 PM - 11:00 PM	49.3	45.3	4.0	2.0	-	50.3	42.3	8.0
11:00 PM - 11:05 PM	45.4	45.3	0.1	7.0	-	41.4	42.2	-0.8
11:05 PM - 11:10 PM	44.7	45.7	-1.0	7.0	-	40.7	42.3	-1.6
11:10 PM - 11:15 PM	44.2	45.4	-1.2	7.0	-	40.2	42.4	-2.2
11:15 PM - 11:20 PM	46.8	44.7	2.1	4.5	-	45.5	43.1	2.4
11:20 PM - 11:25 PM	45.0	46.6	-1.6	7.0	-	41.0	42.1	-1.1
11:25 PM - 11:30 PM	46.0	45.3	0.7	7.0	-	42.0	41.8	0.2
11:30 PM - 11:35 PM	46.6	54.4	-7.8	7.0	-	42.6	41.2	1.4
11:35 PM - 11:40 PM	45.9	43.6	2.3	4.5	-	44.4	41.5	2.9
11:40 PM - 11:45 PM	45.5	47.3	-1.8	7.0	-	41.5	41.6	-0.1
11:45 PM - 11:50 PM	45.3	45.9	-0.6	7.0	-	41.3	41.9	-0.6
11:50 PM - 11:55 PM	44.3	46.2	-1.9	7.0	-	40.3	42.0	-1.7
11:55 PM - 12:00 AM	45.2	66.3	-21.1	7.0	-	41.2	41.5	-0.3
12:00 AM - 12:05 AM	45.2	55.7	-10.5	7.0	-	41.2	43.5	-2.3
12:05 AM - 12:10 AM	44.9	45.5	-0.6	7.0	-	40.9	41.9	-1.0
12:10 AM - 12:15 AM	45.5	44.5	1.0	7.0	-	41.5	41.7	-0.2
12:15 AM - 12:20 AM	45.2	43.6	1.6	4.5	-	41.7	41.5	0.2
12:20 AM - 12:25 AM	46.0	43.5	2.5	3.0	-	46.0	41.7	4.3

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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 : 4500022918  
Project Name : Monitoring  
Project Location :



TESTING  
No.0042

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580677-1

Page 3 of 3

Sample No. 2314125-34  
Parameter เลื่อนรถขน  
Location ชุมชนบ้านไทร (Ban Phusai Community) (GPS 47P 0725739, 1434370)  
Measurement Date Feb 19 - 20, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00734221

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขนถ่าย	ระดับเสียง (dB(A))		เปรียบเทียบเสียงจากแหล่งกำเนิด		ค่าเฉลี่ยรวมการขนถ่าย	
			ผลต่างระดับเสียง	ค่าปรับค่า	ค่าเฉลี่ย	ค่าเฉลี่ย		
03:45 AM - 03:50 AM	45.3	38.9	6.4	1.5	-	46.8	37.8	9.8
03:50 AM - 03:55 AM	45.8	46.7	-0.9	7.0	-	47.2	47.4	4.8
03:55 AM - 04:00 AM	45.7	48.6	-2.9	7.0	-	47.7	38.2	3.5
04:00 AM - 04:05 AM	45.8	48.3	-2.5	7.0	-	41.8	38.9	2.9
04:05 AM - 04:10 AM	45.9	40.3	5.6	1.5	-	47.4	38.2	9.2
04:10 AM - 04:15 AM	46.0	40.6	5.4	1.5	-	47.7	38.3	9.1
04:15 AM - 04:20 AM	45.4	40.0	5.4	1.5	-	46.9	37.6	9.3
04:20 AM - 04:25 AM	45.7	41.8	3.9	2.0	-	46.7	38.9	7.8
04:25 AM - 04:30 AM	46.0	41.7	4.3	2.0	-	47.0	38.5	8.5
04:30 AM - 04:35 AM	45.9	42.6	3.3	3.0	-	45.9	39.2	6.7
04:35 AM - 04:40 AM	45.9	42.1	3.8	2.0	-	46.9	38.3	7.6
04:40 AM - 04:45 AM	46.2	42.7	3.5	2.0	-	47.2	39.5	7.7
04:45 AM - 04:50 AM	45.3	43.0	2.3	4.5	-	43.8	39.6	4.2
04:50 AM - 04:55 AM	45.2	41.5	3.7	2.0	-	46.2	39.1	6.9
04:55 AM - 05:00 AM	47.3	41.9	5.4	1.5	-	48.8	39.9	8.9
05:00 AM - 05:05 AM	47.0	43.2	3.8	2.0	-	48.0	40.1	7.9
05:05 AM - 05:10 AM	45.2	43.1	2.1	4.5	-	43.7	39.7	4.0
05:10 AM - 05:15 AM	46.2	42.9	3.3	3.0	-	46.2	40.2	6.2
05:15 AM - 05:20 AM	46.9	44.0	2.9	3.0	-	46.9	39.9	7.0
05:20 AM - 05:25 AM	46.0	42.5	3.5	2.0	-	47.0	39.7	7.3
05:25 AM - 05:30 AM	46.1	47.8	-1.7	7.0	-	42.1	40.9	1.2
05:30 AM - 05:35 AM	47.3	48.6	-1.3	7.0	-	43.3	40.1	3.2
05:35 AM - 05:40 AM	45.9	42.7	3.2	3.0	-	45.9	40.1	5.8
05:40 AM - 05:45 AM	43.8	41.7	2.1	4.5	-	42.3	39.5	2.8
05:45 AM - 05:50 AM	45.4	41.9	3.5	2.0	-	46.4	39.6	6.8
05:50 AM - 05:55 AM	45.8	42.7	3.1	3.0	-	45.8	40.6	5.7
05:55 AM - 06:00 AM	46.3	43.2	3.1	3.0	-	46.3	40.6	5.7
06:00 AM - 07:00 AM	52.7	49.6	3.1	3.0	49.7	-	41.4	8.3
07:00 AM - 08:00 AM	52.7	49.3	3.4	3.0	49.7	-	41.9	7.8
08:00 AM - 09:00 AM	53.5	48.3	5.2	1.5	52.0	-	41.5	10.5
09:00 AM - 10:00 AM	51.0	46.9	4.1	2.0	49.0	-	43.2	5.8
10:00 AM - 11:00 AM	53.8	45.9	7.9	0.5	53.3	-	40.9	12.4

ค่าเฉลี่ยรวม

Reference Method :

1. ISO 1996-1

2. ประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงตามระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

มาตรฐาน

1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการขนถ่ายและเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

2. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการขนถ่ายและเสียงที่เกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

ระดับเสียงตามระดับเสียงขณะไม่มีการขนถ่าย (Sample No.2292538-5 วันเสาร์ที่ 31 ธันวาคม 2561 มกราคม 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 : 4500022918  
Project Name : Monitoring  
Project Location :



TESTING  
No.0042

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580678-1

Page 2 of 3

Sample No. 2314125-35  
Parameter เลื่อนรถขน  
Location ชุมชนบ้านไทร (Ban Phusai Community) (GPS 47P 0725739, 1434370)  
Measurement Date Feb 20 - 21, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00734221

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการขน	ระดับเสียง (dB(A))		เปรียบเทียบเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับการขน
			ผลต่าง	ค่าปรับค่า	ค่าเฉลี่ย	ค่าเฉลี่ย		
12:25 AM - 12:30 AM	45.4	43.0	2.4	4.5	-	43.9	41.3	2.6
12:30 AM - 12:35 AM	45.0	44.1	0.9	7.0	-	43.0	41.0	-0.9
12:35 AM - 12:40 AM	45.1	44.3	0.8	7.0	-	41.1	41.4	-0.3
12:40 AM - 12:45 AM	46.6	42.1	4.5	1.5	-	48.1	40.9	7.2
12:45 AM - 12:50 AM	46.4	42.2	4.2	2.0	-	47.4	40.9	6.5
12:50 AM - 12:55 AM	46.2	41.8	4.4	2.0	-	47.2	40.2	6.7
12:55 AM - 01:00 AM	46.0	42.9	3.1	3.0	-	46.0	40.7	5.3
01:00 AM - 01:05 AM	46.4	42.7	3.7	2.0	-	47.4	40.6	6.8
01:05 AM - 01:10 AM	46.1	41.7	4.4	2.0	-	47.1	39.9	7.2
01:10 AM - 01:15 AM	46.1	5.0	41.1	1.5	-	47.6	39.0	8.6
01:15 AM - 01:20 AM	45.2	41.4	3.8	2.0	-	46.2	39.3	6.9
01:20 AM - 01:25 AM	45.5	41.2	4.3	2.0	-	46.5	39.6	6.9
01:25 AM - 01:30 AM	46.9	41.3	5.6	1.5	-	48.4	39.7	8.7
01:30 AM - 01:35 AM	46.4	5.3	40.9	1.5	-	47.9	39.5	8.4
01:35 AM - 01:40 AM	45.6	41.0	4.6	1.5	-	47.1	39.2	7.9
01:40 AM - 01:45 AM	45.3	45.0	0.3	7.0	-	41.3	39.5	1.8
01:45 AM - 01:50 AM	45.3	40.9	4.4	2.0	-	46.3	39.2	7.1
01:50 AM - 01:55 AM	45.0	40.4	4.6	1.5	-	46.5	38.8	7.7
01:55 AM - 02:00 AM	45.6	40.4	5.2	1.5	-	46.8	38.8	7.9
02:00 AM - 02:05 AM	44.6	40.1	4.5	1.5	-	46.1	39.2	6.9
02:05 AM - 02:10 AM	45.9	41.3	4.6	1.5	-	47.4	39.8	7.6
02:10 AM - 02:15 AM	44.5	39.5	5.0	1.5	-	46.0	38.4	7.6
02:15 AM - 02:20 AM	43.9	39.1	4.8	1.5	-	45.4	38.0	7.4
02:20 AM - 02:25 AM	44.9	40.3	4.6	1.5	-	46.4	38.2	8.2
02:25 AM - 02:30 AM	45.0	41.7	3.3	3.0	-	45.0	38.3	6.7
02:30 AM - 02:35 AM	45.0	39.7	5.3	1.5	-	46.5	38.4	8.1
02:35 AM - 02:40 AM	46.0	39.5	6.5	1.0	-	48.0	38.4	9.6
02:40 AM - 02:45 AM	46.7	39.5	7.2	1.0	-	48.7	38.5	10.2
02:45 AM - 02:50 AM	44.9	39.4	5.5	1.5	-	46.4	38.1	8.3
02:50 AM - 02:55 AM	45.1	39.7	5.4	1.5	-	46.6	38.1	8.5
02:55 AM - 03:00 AM	45.7	40.0	5.7	1.5	-	47.0	38.1	8.9
03:00 AM - 03:05 AM	45.1	40.0	5.1	1.5	-	46.6	38.4	8.2
03:05 AM - 03:10 AM	44.6	39.4	5.2	1.5	-	46.1	37.8	8.3
03:10 AM - 03:15 AM	44.4	40.4	4.0	2.0	-	45.4	38.2	7.2
03:15 AM - 03:20 AM	44.9	5.3	39.7	1.5	-	46.3	37.7	8.7
03:20 AM - 03:25 AM	44.8	39.3	5.5	1.5	-	46.3	37.7	8.6
03:25 AM - 03:30 AM	44.8	39.3	5.5	1.5	-	46.3	37.4	8.9
03:30 AM - 03:35 AM	44.7	39.0	5.7	1.5	-	46.2	37.3	8.9
03:35 AM - 03:40 AM	44.9	39.1	5.8	1.5	-	46.3	37.4	8.9
03:40 AM - 03:45 AM	45.1	38.3	6.8	1.0	-	47.1	36.9	10.2



## Analysis / Test Report



TESTING  
No.0042

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

Lot ID: 2314125  
Date Received : Feb 22, 2023  
Date Reported : Jun 29, 2023  
Report Number : 2580678-1

P/O : 4500022918  
Project Name : Monitoring  
Project Location :

Page 3 of 3

Sample No. 2314125-35  
Parameter เสียงรบกวน  
Location ชุมชนบ้านไผ่ (Ban Phusai Community) (GPS 47P 0725739, 1434370)  
Measurement Date Feb 20 - 21, 2023  
Measurement by Chatchai Sukpia  
Sound Level Meter 00734221

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ระดับเสียง (dB(A))		ปรับค่าเสียงจากแหล่งกำเนิด	เสียงพื้นฐาน	ค่าระดับการรบกวน
			ผลต่าง	ตัวปรับค่า			
					ค่าจริง	ค่าปรับ	
03:45 AM - 03:50 AM	44.8	38.9	5.9	1.5	-	46.3	37.0
03:50 AM - 03:55 AM	44.9	46.7	-1.8	7.0	-	40.9	37.8
03:55 AM - 04:00 AM	44.9	48.6	-3.7	7.0	-	40.9	38.2
04:00 AM - 04:05 AM	44.7	48.3	-3.6	7.0	-	40.7	38.9
04:05 AM - 04:10 AM	45.9	40.3	5.6	1.5	-	47.4	38.2
04:10 AM - 04:15 AM	45.2	40.6	4.6	1.5	-	46.7	38.4
04:15 AM - 04:20 AM	44.8	40.0	4.8	1.5	-	46.3	37.6
04:20 AM - 04:25 AM	44.4	41.8	2.6	3.0	-	44.4	38.9
04:25 AM - 04:30 AM	44.1	41.7	2.4	4.5	-	42.6	38.5
04:30 AM - 04:35 AM	43.1	42.6	0.5	7.0	-	39.1	39.2
04:35 AM - 04:40 AM	42.9	42.1	0.8	7.0	-	38.9	39.3
04:40 AM - 04:45 AM	43.4	42.7	0.7	7.0	-	39.4	39.5
04:45 AM - 04:50 AM	43.6	43.0	0.6	7.0	-	39.6	39.6
04:50 AM - 04:55 AM	43.7	41.5	2.2	4.5	-	42.2	39.3
04:55 AM - 05:00 AM	43.4	41.9	1.5	4.5	-	41.9	39.9
05:00 AM - 05:05 AM	43.7	43.2	0.5	7.0	-	39.7	40.1
05:05 AM - 05:10 AM	43.4	43.1	0.3	7.0	-	39.4	39.7
05:10 AM - 05:15 AM	43.7	42.9	0.8	7.0	-	39.7	40.0
05:15 AM - 05:20 AM	43.0	44.0	-1.0	7.0	-	39.0	39.9
05:20 AM - 05:25 AM	42.1	42.5	-0.4	7.0	-	38.1	39.7
05:25 AM - 05:30 AM	42.9	47.8	-4.9	7.0	-	38.9	40.9
05:30 AM - 05:35 AM	43.7	48.6	-4.9	7.0	-	39.7	40.1
05:35 AM - 05:40 AM	43.9	42.7	1.2	7.0	-	39.9	40.1
05:40 AM - 05:45 AM	44.4	41.7	2.7	3.0	-	44.4	39.5
05:45 AM - 05:50 AM	47.1	41.9	5.2	1.5	-	48.6	39.6
05:50 AM - 05:55 AM	43.8	42.7	1.1	7.0	-	39.8	40.1
05:55 AM - 06:00 AM	43.6	43.2	0.4	7.0	-	39.6	40.6
06:00 AM - 07:00 AM	47.4	49.6	-2.2	7.0	40.4	-	41.4
07:00 AM - 08:00 AM	49.7	49.3	0.4	7.0	42.7	-	41.9
08:00 AM - 09:00 AM	47.5	48.3	-0.8	7.0	40.5	-	41.4
09:00 AM - 10:00 AM	57.7	46.9	10.8	0.5	57.2	-	43.2
10:00 AM - 11:00 AM	51.9	45.9	6.0	1.5	50.4	-	40.9
ค่ามาตรฐาน							≤ 10

Reference Method :

- ISO 1996-1
  - ประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
- มาตรฐาน
- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
  - ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานเสียงที่ทางเสียงที่เกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
- ระดับเสียงจากแหล่งกำเนิด จากการตรวจวัด วันที่ 20-21 กุมภาพันธ์ 2566
- ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2292538-5 วันที่ตรวจวัด 31 ธันวาคม 2565-01 มกราคม 2566)

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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. Mabyangporn, A. Pluakdaeng, Rayong Thailand  
21140

P/O : 4500022918

Project Name : Monitoring

Project Location :

Lot ID: 2314274

Date Received : Feb 20, 2023

Date Reported : Feb 23, 2023

Report Number: 2575351-1

Page 1 of 1

Sample Number	2314274-1
Parameter	Noise (Leq 8 hrs.)
Location	1 SCLP (Hot Rolling)
Measurement Date	Feb 16, 2023
Measurement by	Norranon Tathongkham

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	83.0	89.3	78.9
10:00 AM - 11:00 AM	78.7	89.9	74.8
11:00 AM - 12:00 PM	77.4	89.9	70.2
12:00 PM - 01:00 PM	70.5	85.4	68.5
01:00 PM - 02:00 PM	80.6	90.9	71.2
02:00 PM - 03:00 PM	82.3	90.9	78.3
03:00 PM - 04:00 PM	82.9	94.9	80.0
04:00 PM - 05:00 PM	83.0	91.3	79.5

Leq Average 8 hrs. (dB(A))

81.1

Lmax (dB(A))

94.9

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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21140

P/O : 4500022918

Project Name : Monitoring

Project Location :

Lot ID: 2314274

Date Received : Feb 20, 2023

Date Reported : Feb 23, 2023

Report Number: 2575352-1

Page 1 of 1

Sample Number	2314274-2
Parameter	Noise (Leq 8 hrs.)
Location	SBS Silo Filter (Hot Rolling)
Measurement Date	Feb 16, 2023
Measurement by	Norranon Tathongkham

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	83.8	88.2	81.5
10:00 AM - 11:00 AM	81.0	89.0	77.3
11:00 AM - 12:00 PM	80.6	88.4	73.1
12:00 PM - 01:00 PM	71.0	85.9	68.3
01:00 PM - 02:00 PM	78.2	88.0	70.4
02:00 PM - 03:00 PM	80.9	92.8	77.1
03:00 PM - 04:00 PM	84.9	97.5	82.5
04:00 PM - 05:00 PM	84.2	92.2	81.1

Leq Average 8 hrs. (dB(A))

82.0

Lmax (dB(A))

97.5

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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21140

P/O : 4500022918

Project Name : Monitoring

Project Location :

Lot ID: 2314274

Date Received : Feb 20, 2023

Date Reported : Feb 23, 2023

Report Number: 2575353-1

Page 1 of 1

Sample Number	2314274-3
Parameter	Noise (Leq 8 hrs.)
Location	RM-150 Sheer (Hot Rolling)
Measurement Date	Feb 16, 2023
Measurement by	Norranon Tathongkham

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	86.9	101.8	76.6
10:00 AM - 11:00 AM	87.3	101.5	77.0
11:00 AM - 12:00 PM	82.4	99.7	73.3
12:00 PM - 01:00 PM	70.6	89.3	68.2
01:00 PM - 02:00 PM	70.1	80.0	68.5
02:00 PM - 03:00 PM	76.3	89.2	70.8
03:00 PM - 04:00 PM	75.9	87.6	70.7
04:00 PM - 05:00 PM	71.8	73.8	70.6

Leq Average 8 hrs. (dB(A))

82.2

Lmax (dB(A))

101.8

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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21140

P/O : 4500022918

Project Name : Monitoring

Project Location :

Lot ID: 2314274

Date Received : Feb 20, 2023

Date Reported : Feb 23, 2023

Report Number: 2575354-1

Page 1 of 1

Sample Number	2314274-4
Parameter	Noise (Leq 8 hrs.)
Location	RM-Deliver Side (Hot Rolling)
Measurement Date	Feb 17, 2023
Measurement by	Norranon Tathongkham

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	86.9	97.3	78.9
10:00 AM - 11:00 AM	87.4	97.6	79.7
11:00 AM - 12:00 PM	86.2	97.7	78.2
12:00 PM - 01:00 PM	81.5	93.6	77.8
01:00 PM - 02:00 PM	81.5	91.8	77.6
02:00 PM - 03:00 PM	78.8	91.1	76.0
03:00 PM - 04:00 PM	77.2	89.9	75.6
04:00 PM - 05:00 PM	77.1	86.0	75.4

Leq Average 8 hrs. (dB(A))

83.8

Lmax (dB(A))

97.7

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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P/O : 4500022918

Project Name : Monitoring

Project Location :

Lot ID: 2314274

Date Received : Feb 20, 2023

Date Reported : Feb 23, 2023

Report Number: 2575355-1

Page 1 of 1

Sample Number	2314274-5
Parameter	Noise (Leq 8 hrs.)
Location	FCY (Finishing)
Measurement Date	Feb 17, 2023
Measurement by	Norranon Tathongkham

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:05 AM - 10:05 AM	82.8	101.0	81.4
10:05 AM - 11:05 AM	81.5	91.9	80.7
11:05 AM - 12:05 PM	81.5	92.4	80.7
12:05 PM - 01:05 PM	81.5	94.8	80.7
01:05 PM - 02:05 PM	82.1	98.2	80.6
02:05 PM - 03:05 PM	83.0	100.8	80.5
03:05 PM - 04:05 PM	82.1	97.2	80.5
04:05 PM - 05:05 PM	83.3	96.4	80.6

Leq Average 8 hrs. (dB(A))

82.3

Lmax (dB(A))

101.0

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

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P/O : 4500022918

Project Name : Monitoring

Project Location :

Lot ID: 2314274

Date Received : Feb 20, 2023

Date Reported : Feb 23, 2023

Report Number: 2575356-1

Page 1 of 1

Sample Number	2314274-6
Parameter	Noise (Leq 8 hrs.)
Location	1 CM (Cold Rolling)
Measurement Date	Feb 17, 2023
Measurement by	Norranon Tathongkham

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:48 AM - 09:48 AM	81.2	91.1	80.0
09:48 AM - 10:48 AM	85.4	101.4	80.2
10:48 AM - 11:48 AM	84.3	100.1	80.0
11:48 AM - 12:48 PM	86.9	101.7	79.5
12:48 PM - 01:48 PM	89.3	111.5	80.1
01:48 PM - 02:48 PM	83.5	99.9	79.9
02:48 PM - 03:48 PM	86.1	106.2	79.1
03:48 PM - 04:48 PM	85.7	106.6	78.8

Leq Average 8 hrs. (dB(A))

85.9

Lmax (dB(A))

111.5

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

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P/O : 4500022918

Project Name : Monitoring

Project Location :

Lot ID: 2314274

Date Received : Feb 20, 2023

Date Reported : Feb 23, 2023

Report Number: 2575357-1

Page 1 of 1

Sample Number	2314274-7
Parameter	Noise (Leq 8 hrs.)
Location	2 NSL-Deliver Side Spoon Area (Finishing)
Measurement Date	Feb 17, 2023
Measurement by	Norranon Tathongkham

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:08 AM - 10:08 AM	83.8	91.1	71.6
10:08 AM - 11:08 AM	83.7	90.4	71.9
11:08 AM - 12:08 PM	83.5	90.8	72.2
12:08 PM - 01:08 PM	72.7	89.0	71.1
01:08 PM - 02:08 PM	77.3	87.9	71.8
02:08 PM - 03:08 PM	83.4	90.6	71.6
03:08 PM - 04:08 PM	83.5	91.3	72.3
04:08 PM - 05:08 PM	76.2	86.1	71.0

Leq Average 8 hrs. (dB(A))

82.0

Lmax (dB(A))

91.3

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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## Analysis / Test Report

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21140

P/O : 4500022918

Project Name : Monitoring

Project Location :

Lot ID: 2314274

Date Received : Feb 20, 2023

Date Reported : Feb 23, 2023

Report Number: 2575358-1

Page 1 of 1

Sample Number	2314274-8
Parameter	Noise (Leq 8 hrs.)
Location	Furnace #4 (Casting)
Measurement Date	Feb 16, 2023
Measurement by	Norranon Tathongkham

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:50 AM - 09:50 AM	78.8	96.9	72.6
09:50 AM - 10:50 AM	79.5	93.2	74.3
10:50 AM - 11:50 AM	79.3	94.9	74.5
11:50 AM - 12:50 PM	79.0	96.8	73.3
12:50 PM - 01:50 PM	78.8	93.8	73.8
01:50 PM - 02:50 PM	78.4	95.1	74.2
02:50 PM - 03:50 PM	79.0	91.0	74.6
03:50 PM - 04:50 PM	78.5	96.5	73.1

Leq Average 8 hrs. (dB(A))

78.9

Lmax (dB(A))

96.9

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

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P/O : 4500022918

Project Name : Monitoring

Project Location :

Lot ID: 2314274

Date Received : Feb 20, 2023

Date Reported : Feb 23, 2023

Report Number: 2575359-1

Page 1 of 1

Sample Number	2314274-9
Parameter	Noise (Leq 8 hrs.)
Location	SCLP No.1&No.2 Silo Filter (Hot Rolling)
Measurement Date	Feb 16, 2023
Measurement by	Norranon Tathongkham

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:25 AM - 10:25 AM	83.3	87.5	78.7
10:25 AM - 11:25 AM	78.0	91.3	75.1
11:25 AM - 12:25 PM	77.4	90.8	69.1
12:25 PM - 01:25 PM	70.1	85.1	68.4
01:25 PM - 02:25 PM	81.2	95.1	69.5
02:25 PM - 03:25 PM	83.5	94.9	80.6
03:25 PM - 04:25 PM	85.3	96.7	81.9
04:25 PM - 05:25 PM	86.0	99.1	82.7

Leq Average 8 hrs. (dB(A))

82.5

Lmax (dB(A))

99.1

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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P/O : 4500022918

Project Name : Monitoring

Project Location :

Lot ID: 2314274

Date Received : Feb 20, 2023

Date Reported : Feb 23, 2023

Report Number: 2575360-1

Page 1 of 1

Sample Number	2314274-10
Parameter	Noise (Leq 8 hrs.)
Location	2 SCLP (Hot Rolling)
Measurement Date	Feb 16, 2023
Measurement by	Norranon Tathongkham

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	78.5	86.8	76.4
10:00 AM - 11:00 AM	77.6	99.7	73.9
11:00 AM - 12:00 PM	73.4	87.6	70.9
12:00 PM - 01:00 PM	73.2	87.5	69.7
01:00 PM - 02:00 PM	77.6	94.0	74.5
02:00 PM - 03:00 PM	81.1	88.4	74.3
03:00 PM - 04:00 PM	84.2	89.1	77.4
04:00 PM - 05:00 PM	83.8	88.2	78.9

Leq Average 8 hrs. (dB(A))

80.3

Lmax (dB(A))

99.7

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖

Technical Management

Thanita K.

Thanita Kulsuriwong  
Scientist (4)

Approved by

Supot S.

Supot Salamteh  
Section Head

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S:\Reports\Air Noise.rpt ( 3:33PM)

ภาคผนวก ค-6

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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 : 4500022918

Project Name : Monitoring

Project Location :

Lot ID: 2314276

Date Received : Feb 20, 2023

Date Reported : Feb 23, 2023

Report Number : 2561730-1

Page 1 of 6

Sample Number	2314276-1
Sampled Date	Feb 17, 2023
Sample Description	Noise Dose
Location	CCY (Cold Rolling)
Personal Sampling	สุณพัชร ใจกล้า
Date Analysis Commenced	Feb 21, 2023

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Noise Dose (8 hrs.)	08:30 AM - 04:30 PM	%	-	1	28.2	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (8 hrs.)	08:30 AM - 04:30 PM	dB(A)	-	-	79.5	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. Mabyangporn, A. Pluakdaeng, Rayong  
Thailand 21140

P/O : 4500022918

Project Name : Monitoring

Project Location :

Lot ID: 2314276

Date Received : Feb 20, 2023

Date Reported : Feb 23, 2023

Report Number : 2561730-1

Page 2 of 6

Sample Number	2314276-3
Sampled Date	Feb 16, 2023
Sample Description	Noise Dose
Location	Slab Saw (Hot Rolling)
Personal Sampling	คุณเอกพันธ์ ทองพันธ์
Date Analysis Commenced	Feb 21, 2023

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Noise Dose (8 hrs.)	09:00 AM - 05:00 PM	%	-	1	38.9	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (8 hrs.)	09:00 AM - 05:00 PM	dB(A)	-	-	80.9	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 : 4500022918

Project Name : Monitoring

Project Location :

Lot ID: 2314276

Date Received : Feb 20, 2023

Date Reported : Feb 23, 2023

Report Number : 2561730-1

Page 3 of 6

Sample Number	2314276-4
Sampled Date	Feb 16, 2023
Sample Description	Noise Dose
Location	Scalper (Hot Rolling)
Personal Sampling	บุคลากรในโรงกลิ้ง
Date Analysis Commenced	Feb 21, 2023

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
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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Thailand 21140

P/O : 4500022918

Project Name : Monitoring

Project Location :

Lot ID: 2314276

Date Received : Feb 20, 2023

Date Reported : Feb 23, 2023

Report Number : 2561730-1

Page 4 of 6

Sample Number	2314276-5
Sampled Date	Feb 16, 2023
Sample Description	Noise Dose
Location	RM-150-Sheer (Hot Rolling)
Personal Sampling	บุคลากรในโรงกลิ้ง
Date Analysis Commenced	Feb 21, 2023

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Noise Dose (8 hrs.)	09:00 AM - 05:00 PM	%	-	1	115	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (8 hrs.)	09:00 AM - 05:00 PM	dB(A)	-	-	85.6	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 : 4500022918

Project Name : Monitoring

Project Location :

Lot ID: 2314276

Date Received : Feb 20, 2023

Date Reported : Feb 23, 2023

Report Number : 2561730-1

Page 5 of 6

Sample Number	2314276-6
Sampled Date	Feb 17, 2023
Sample Description	Noise Dose
Location	RM-Delivery Side (Hot Rolling)
Personal Sampling	คุณवेशะ วงษ์สุรินทร์
Date Analysis Commenced	Feb 21, 2023

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Noise Dose (8 hrs.)	08:30 AM - 04:30 PM	%	-	1	79.4	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (8 hrs.)	08:30 AM - 04:30 PM	dB(A)	-	-	84.0	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 : 4500022918

Project Name : Monitoring

Project Location :

Lot ID: 2314276

Date Received : Feb 20, 2023

Date Reported : Feb 23, 2023

Report Number : 2561730-1

Page 6 of 6

Sample Number	2314276-7
Sampled Date	Feb 17, 2023
Sample Description	Noise Dose
Location	2NSL-Drive Side Spoon area (Finishing)
Personal Sampling	คุณเกศติพงษ์ สุขชาเกษ
Date Analysis Commenced	Feb 21, 2023

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Noise Dose (8 hrs.)	08:30 AM - 04:30 PM	%	-	1	38.0	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (8 hrs.)	08:30 AM - 04:30 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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ภาคผนวก ค-7

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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 :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314278**  
Date Received : Feb 20, 2023  
Date Reported : Mar 03, 2023  
Report Number : 2561741-1

Page 1 of 5

**Sample Number** 2314278-1  
**Sampled Date** Feb 16, 2023  
**Sample Description** Air Quality  
**Location** กระบวนการเตรียมวัตถุดิบ (Raw Material Preparing Process)  
**Date Analysis Commenced** Feb 20, 2023  
**Condition of Sample** Extracted into two filter papers placed in plastic cassette  
**Barometric Pressure** 759 mmHg  
**Atmospheric Temperature** 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
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 :** Norranon Tathongkham

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.  
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Thailand 21140  
**P/O :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314278**  
Date Received : Feb 20, 2023  
Date Reported : Mar 03, 2023  
Report Number : 2561741-1

Page 2 of 5

**Sample Number** 2314278-2  
**Sampled Date** Feb 16, 2023  
**Sample Description** Air Quality  
**Location** พื้นที่กระบวนการหลอมและหล่อลึงเงิน (Melting and Casting Process Area)  
**Date Analysis Commenced** Feb 20, 2023  
**Condition of Sample** Extracted into two filter papers placed in plastic cassette  
**Barometric Pressure** 759 mmHg  
**Atmospheric Temperature** 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
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	0.47	15	Based on NIOSH (1994), 0500	OSHA	Rayong

**Guideline :**  
OSHA : Occupational Safety and Health Administration  
**Sampled By :** Norranon Tathongkham

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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**Client :** UACJ (Thailand) Co., Ltd.  
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Thailand 21140  
**P/O :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

### Lot ID: 2314278

Date Received : Feb 20, 2023  
Date Reported : Mar 03, 2023  
Report Number : 2561741-1

Page 3 of 5

<b>Sample Number</b>	2314278-3
<b>Sampled Date</b>	Feb 16, 2023
<b>Sample Description</b>	Air Quality
<b>Location</b>	พื้นที่กระบวนการรีดร้อน (Hot Rolling Process Area)
<b>Date Analysis Commenced</b>	Feb 20, 2023
<b>Condition of Sample</b>	Extracted into two filter papers placed in plastic cassette
<b>Barometric Pressure</b>	759 mmHg
<b>Atmospheric Temperature</b>	32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
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 :** Norranon Tathongkham

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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Thailand 21140  
**P/O :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

### Lot ID: 2314278

Date Received : Feb 20, 2023  
Date Reported : Mar 03, 2023  
Report Number : 2561741-1

Page 4 of 5

<b>Sample Number</b>	2314278-4
<b>Sampled Date</b>	Feb 16, 2023
<b>Sample Description</b>	Air Quality
<b>Location</b>	พื้นที่กระบวนการหลอมและหล่อลึงเย็น (Melting and Casting Process Area)
<b>Date Analysis Commenced</b>	Feb 22, 2023
<b>Condition of Sample</b>	Extracted into one filter paper placed in plastic cassette, one amber plastic bottle and one sorbent tube, refrigerated
<b>Barometric Pressure</b>	759 mmHg
<b>Atmospheric Temperature</b>	32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Chlorine	09:00 AM - 11:00 AM	ppm	-	0.10	<0.10	1(C)	Based on OSHA, ID 101	MOL	Bangkok
Hydrogen chloride	09:00 AM - 11:00 AM	ppm	-	0.05	<0.05	5(C)	Based on OSHA, ID-174-SG	MOL	Bangkok
<b>Metals Testing</b>									
Aluminium (Inhalable Dust)	09:00 AM - 11:00 AM	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 :** Norranon Tathongkham

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 :** 4500022918

**Project Name :** Monitoring

**Project Location :**

**Lot ID: 2314278**

Date Received : Feb 20, 2023

Date Reported : Mar 03, 2023

Report Number : 2561741-1

Page 5 of 5

<b>Sample Number</b>	2314278-5
<b>Sampled Date</b>	Feb 17, 2023
<b>Sample Description</b>	Air Quality
<b>Location</b>	พื้นที่กระบวนการเคลือบแผ่นอลูมิเนียม (Coating Process Area)
<b>Date Analysis Commenced</b>	Feb 21, 2023
<b>Condition of Sample</b>	Extracted into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Total VOC	09:00 AM - 11:00 AM	ppm	-	0.10	4.6	No Standard	Total VOC Analyzer	-	Bangkok

**Guideline :**

**Sampled By :** Norranon Tathongkham

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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ภาคผนวก ค-8

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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 :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314281**

Date Received : Feb 20, 2023

Date Reported : Feb 23, 2023

Report Number: 2561744-1

Page 1 of 3

**Sample Number** 2314281-1  
**Parameter** Heat Stress (Sampling Time : 10.00 AM - 12.00 PM)  
**Measurement Date** Feb 16, 2023  
**Measurement by** Norranon Tathongkham  
**Location** ปฏิบัติงาน - พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : - )

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
พื้นที่กระบวนการหลอมและหล่ออลูมิเนียม (Melting and Casting Process Area)	120	31.9	29.6	37.2	37.0
Average (WBGT)		31.9			
Guideline WBGT (°C)		34.0			

**Reference Method :** Wet Bulb Globe Temperature

**Guideline:**

- 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)
- 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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## Analysis / Test Report

**Client :** UACJ (Thailand) Co., Ltd.  
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Rayong Thailand 21140  
**P/O :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314281**

Date Received : Feb 20, 2023

Date Reported : Feb 23, 2023

Report Number: 2561744-1

Page 2 of 3

**Sample Number** 2314281-2  
**Parameter** Heat Stress (Sampling Time : 10.00 AM - 12.00 PM)  
**Measurement Date** Feb 16, 2023  
**Measurement by** Norranon Tathongkham  
**Location** ปฏิบัติงาน - พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : - )

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
พื้นที่กระบวนการรีดร้อน (Hot Rolling Area Process)	120	30.2	27.3	36.8	36.5
Average (WBGT)		30.2			
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 :** 4500022918  
**Project Name :** Monitoring  
**Project Location :**

**Lot ID: 2314281**

Date Received : Feb 20, 2023

Date Reported : Feb 23, 2023

Report Number: 2561744-1

Page 3 of 3

**Sample Number** 2314281-3  
**Parameter** Heat Stress (Sampling Time : 10.00 AM - 12.00 PM)  
**Measurement Date** Feb 17, 2023  
**Measurement by** Norranon Tathongkham  
**Location** ปฏิบัติงาน - พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : - )

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
พื้นที่กระบวนการรีดเย็น (ส่วนการอบอ่อน) (Cold Rolling Process Area)	120	30.3	28.4	34.6	34.2
Average (WBGT)		30.3			
Guideline WBGT (°C)		34.0			

**Reference Method :** Wet Bulb Globe Temperature

**Guideline:**

- 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)
- 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

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Wichan Choonharat  
Assistant Manager

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