

ภาคผนวก ค

ใบรับรองผลการวิเคราะห์

ภาคผนวก ค-1

คุณภาพอากาศจากแหล่งกำเนิด



Analysis / Test Report

TESTING
No.0042

Client : Kiriu (Thailand) Co., Ltd.
300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140
P/O : PO241110529
Project Name : Monitoring
Project Location :

Lot ID: 2582657
Date Received : Sep 05, 2025
Date Reported : Sep 13, 2025
Report Number: 3395596-1

Page 1 of 1

Sample Number 2582657-1
Sampled Date Sep 03, 2025
Sample Description Emission from Stationary Source
Location Baghouse Stack No.1/1 (S1)
Date Analysis Commenced Sep 06, 2025
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description

Ambient Pressure	749	mmHg	Diameter	1.17	m	Oxygen	20.9	%
Ambient Temperature	31.8	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	48.0	°C	Gas Velocity	18.7	m/s
Type of Fuel	-		Moisture	2.87	%	Flow Rate (Actual O2)	64785	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate	09:40 AM - 10:22 AM	mg/m3	-	0.5	<0.5	120	16	U.S. Environmental Protection Agency 40 CFR method 5, Appendix A, December 7, 2020 (Include sampling)	Rayong

Guideline : (1) Notification of the Ministry of Science Technology and Environment dated March 9, B.E. 2544 (2001), published in the Royal Government Gazette, Vol. 118 Special Part 37 dated May 8, B.E.2544 (2001)
(2) Environmental Impact Assessment Report of Kiriu (Thailand) Co., Ltd.

Sampling By : Suphanut Pisaipan ทะเบียนเลขที่ ว-323-จ-0018

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Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0029

Approved by

D. Johnson.

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Client : Kiriu (Thailand) Co., Ltd.
300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2582672

Date Received : Sep 03, 2025

Date Reported : Sep 09, 2025

Report Number: 3395597-1

Page 1 of 1

Sample Number 2582672-1
Sampled Date Sep 03, 2025
Sample Description Emission from Stationary Source
Location Baghouse Stack No.1/2 (S2)
Date Analysis Commenced Sep 04, 2025
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description

Ambient Pressure	749	mmHg	Diameter	1.17	m	Oxygen	20.9	%
Ambient Temperature	31.8	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	42.0	°C	Gas Velocity	17.1	m/s
Type of Fuel	-		Moisture	3.01	%	Flow Rate (Actual O2)	60111	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate	09:40 AM - 10:28 AM	mg/m3	-	0.5	<0.5	120	16	U.S. Environmental Protection Agency 40 CFR method 5, Appendix A, December 7, 2020 (Include sampling)	Rayong

Guideline : (1) Notification of the Ministry of Science Technology and Environment dated March 9, B.E. 2544 (2001), published in the Royal Government Gazette, Vol. 118 Special Part 37 dated May 8, B.E.2544 (2001)
(2) Environmental Impact Assessment Report of Kiriu (Thailand) Co., Ltd.

Sampling By : Sutdamrong Chokpitinan ทะเบียนเลขที่ ว-323-จ-0037

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Technical Management

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Analysis / Test Report

TESTING
No.0042

Client : Kiriu (Thailand) Co., Ltd.
300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2582673

Date Received : Sep 05, 2025

Date Reported : Sep 13, 2025

Report Number: 3395598-1

Page 1 of 1

Sample Number	2582673-1
Sampled Date	Sep 04, 2025
Sample Description	Emission from Stationary Source
Location	Baghouse Stack No.1/3 (S3)
Date Analysis Commenced	Sep 06, 2025
Condition of Sample	Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description

Ambient Pressure	749	mmHg	Diameter	0.89	m	Oxygen	20.9	%
Ambient Temperature	30.0	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	43.0	°C	Gas Velocity	10.2	m/s
Type of Fuel	-		Moisture	3.02	%	Flow Rate (Actual O2)	20709	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate	10:00 AM - 10:42 AM	mg/m3	-	0.5	<0.5	120	16	U.S. Environmental Protection Agency 40 CFR method 5, Appendix A, December 7, 2020 (Include sampling)	Rayong

Guideline : (1) Notification of the Ministry of Science Technology and Environment dated March 9, B.E. 2544 (2001), published in the Royal Government Gazette, Vol. 118 Special Part 37 dated May 8, B.E.2544 (2001)
(2) Environmental Impact Assessment Report of Kiriu (Thailand) Co., Ltd.

Sampling By : Sutdamrong Chokpitinan ทะเบียนเลขที่ ว-323-จ-0037

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Technical Management

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ทะเบียนเลขที่ ว-323-จ-0029

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4469-23/ EMAIL

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Analysis / Test Report

TESTING
No.0042

Client : Kiriu (Thailand) Co., Ltd.
300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2582674

Date Received : Sep 05, 2025

Date Reported : Sep 13, 2025

Report Number: 3395600-1

Page 1 of 1

Sample Number 2582674-1
Sampled Date Sep 04, 2025
Sample Description Emission from Stationary Source
Location Baghouse Stack No.1/4 (S4)
Date Analysis Commenced Sep 06, 2025
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description

Ambient Pressure	749	mmHg	Diameter	0.68	m	Oxygen	20.9	%
Ambient Temperature	30.0	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	48.0	°C	Gas Velocity	6.6	m/s
Type of Fuel	-		Moisture	3.06	%	Flow Rate (Actual O2)	7732	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate	11:00 AM - 11:42 AM	mg/m3	-	0.5	<0.5	120	16	U.S. Environmental Protection Agency 40 CFR method 5, Appendix A, December 7, 2020 (Include sampling)	Rayong

Guideline : (1) Notification of the Ministry of Science Technology and Environment dated March 9, B.E. 2544 (2001), published in the Royal Government Gazette, Vol. 118 Special Part 37 dated May 8, B.E.2544 (2001)
(2) Environmental Impact Assessment Report of Kiriu (Thailand) Co., Ltd.

Sampling By : Sutdamrong Chokpitinan ทะเบียนเลขที่ ว-323-จ-0037

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Technical Management

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Analysis / Test Report

TESTING
No.0042

Client : Kiriu (Thailand) Co., Ltd.
300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2582675

Date Received : Sep 05, 2025

Date Reported : Sep 13, 2025

Report Number: 3395602-1

Page 1 of 1

Sample Number 2582675-1
Sampled Date Sep 04, 2025
Sample Description Emission from Stationary Source
Location Baghouse Stack No.1/5 (S5)
Date Analysis Commenced Sep 06, 2025
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description

Ambient Pressure	749	mmHg	Diameter	0.89	m	Oxygen	20.9	%
Ambient Temperature	30.0	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	33.0	°C	Gas Velocity	7.4	m/s
Type of Fuel	-		Moisture	3.15	%	Flow Rate (Actual O2)	15396	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate	12:00 PM - 12:54 PM	mg/m3	-	0.5	<0.5	120	16	U.S. Environmental Protection Agency 40 CFR method 5, Appendix A, December 7, 2020 (Include sampling)	Rayong

Guideline : (1) Notification of the Ministry of Science Technology and Environment dated March 9, B.E. 2544 (2001), published in the Royal Government Gazette, Vol. 118 Special Part 37 dated May 8, B.E.2544 (2001)
(2) Environmental Impact Assessment Report of Kiriu (Thailand) Co., Ltd.

Sampling By : Sutdamrong Chokpitinan ทะเบียนเลขที่ ว-323-จ-0037

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Technical Management

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Analysis / Test Report

TESTING
No.0042

Client : Kiriu (Thailand) Co., Ltd.
300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2582676

Date Received : Sep 05, 2025

Date Reported : Sep 13, 2025

Report Number: 3395603-1

Page 1 of 1

Sample Number 2582676-1
Sampled Date Sep 03, 2025
Sample Description Emission from Stationary Source
Location Baghouse Stack No.1/6 (S6)
Date Analysis Commenced Sep 06, 2025
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description

Ambient Pressure	749	mmHg	Diameter	1.30	m	Oxygen	20.9	%
Ambient Temperature	31.8	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	55.3	°C	Gas Velocity	16.2	m/s
Type of Fuel	-		Moisture	3.32	%	Flow Rate (Actual O2)	67464	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate	11:05 AM - 11:53 AM	mg/m3	-	0.5	<0.5	120	8	U.S. Environmental Protection Agency 40 CFR method 5, Appendix A, December 7, 2020 (Include sampling)	Rayong

Guideline : (1) Notification of the Ministry of Science Technology and Environment dated March 9, B.E. 2544 (2001), published in the Royal Government Gazette, Vol. 118 Special Part 37 dated May 8, B.E.2544 (2001)
(2) Environmental Impact Assessment Report of Kiriu (Thailand) Co., Ltd.

Sampling By : Tinnakorn Kulchart ทะเบียนเลขที่ ว-323-จ-0062

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Technical Management

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ทะเบียนเลขที่ ว-323-จ-0029

Approved by

D. Changchon.

Dej Changchon
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ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Client : Kiriu (Thailand) Co., Ltd.
300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2582677

Date Received : Sep 03, 2025

Date Reported : Sep 09, 2025

Report Number: 3395604-1

Page 1 of 1

Sample Number 2582677-1
Sampled Date Sep 03, 2025
Sample Description Emission from Stationary Source
Location Baghouse Stack No.1/7 (S7)
Date Analysis Commenced Sep 04, 2025
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description

Ambient Pressure	749	mmHg	Diameter	1.20	m	Oxygen	20.9	%
Ambient Temperature	31.8	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	31.0	°C	Gas Velocity	13.6	m/s
Type of Fuel	-		Moisture	3.15	%	Flow Rate (Actual O2)	51831	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate	10:40 AM - 11:22 AM	mg/m3	-	0.5	<0.5	120	8	U.S. Environmental Protection Agency 40 CFR method 5, Appendix A, December 7, 2020 (Include sampling)	Rayong

Guideline : (1) Notification of the Ministry of Science Technology and Environment dated March 9, B.E. 2544 (2001), published in the Royal Government Gazette, Vol. 118 Special Part 37 dated May 8, B.E.2544 (2001)
(2) Environmental Impact Assessment Report of Kiriu (Thailand) Co., Ltd.

Sampling By : Sutdamrong Chokpitinan ทะเบียนเลขที่ ว-323-จ-0037

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Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0029

Approved by

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Dej Changchon
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Client : Kiriu (Thailand) Co., Ltd.
300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2582678

Date Received : Sep 04, 2025

Date Reported : Sep 12, 2025

Report Number: 3395605-1

Page 1 of 1

Sample Number 2582678-1
Sampled Date Sep 04, 2025
Sample Description Emission from Stationary Source
Location Baghouse Stack No.2/1 (S8)
Date Analysis Commenced Sep 05, 2025
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description

Ambient Pressure	749	mmHg	Diameter	1.17	m	Oxygen	20.9	%
Ambient Temperature	30.0	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	54.0	°C	Gas Velocity	15.5	m/s
Type of Fuel	-		Moisture	2.91	%	Flow Rate (Actual O2)	52565	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate	11:10 AM - 11:52 AM	mg/m3	-	0.5	1.4	120	16	U.S. Environmental Protection Agency 40 CFR method 5, Appendix A, December 7, 2020 (Include sampling)	Rayong

Guideline : (1) Notification of the Ministry of Science Technology and Environment dated March 9, B.E. 2544 (2001), published in the Royal Government Gazette, Vol. 118 Special Part 37 dated May 8, B.E.2544 (2001)
(2) Environmental Impact Assessment Report of Kiriu (Thailand) Co., Ltd.

Sampling By : Tarin Octjinda ทะเบียนเลขที่ ว-323-จ-0044

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ทะเบียนเลขที่ ว-323-จ-0029

Approved by

D. Johnson.

Dej Changchon
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Client : Kiriu (Thailand) Co., Ltd.
300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2582679

Date Received : Sep 04, 2025

Date Reported : Sep 12, 2025

Report Number: 3395606-1

Page 1 of 1

Sample Number	2582679-1
Sampled Date	Sep 04, 2025
Sample Description	Emission from Stationary Source
Location	Baghouse Stack No.2/2 (S9)
Date Analysis Commenced	Sep 05, 2025
Condition of Sample	Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description

Ambient Pressure	749	mmHg	Diameter	1.17	m	Oxygen	20.9	%
Ambient Temperature	30.0	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	62.0	°C	Gas Velocity	15.3	m/s
Type of Fuel	-		Moisture	2.94	%	Flow Rate (Actual O2)	50960	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate	01:10 PM - 01:52 PM	mg/m3	-	0.5	2.6	120	16	U.S. Environmental Protection Agency 40 CFR method 5, Appendix A, December 7, 2020 (Include sampling)	Rayong

Guideline : (1) Notification of the Ministry of Science Technology and Environment dated March 9, B.E. 2544 (2001), published in the Royal Government Gazette, Vol. 118 Special Part 37 dated May 8, B.E.2544 (2001)
(2) Environmental Impact Assessment Report of Kiriu (Thailand) Co., Ltd.

Sampling By : Tarin Octjinda ทะเบียนเลขที่ ว-323-จ-0044

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Dej Changchon
Senior Manager

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Analysis / Test Report

TESTING
No.0042

Client : Kiriu (Thailand) Co., Ltd.
300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring
Project Location :

Lot ID: 2582680

Date Received : Sep 03, 2025
Date Reported : Nov 07, 2025
Report Number: 3395609-1 Rev. No.1

Page 1 of 1

Sample Number 2582680-1
Sampled Date Sep 03, 2025
Sample Description Emission from Stationary Source
Location Baghouse Stack No.2/3 (S10)
Date Analysis Commenced Sep 04, 2025
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description

Ambient Pressure	749	mmHg	Diameter	0.89	m	Oxygen	20.9	%
Ambient Temperature	31.8	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	46.5	°C	Gas Velocity	11.6	m/s
Type of Fuel	-		Moisture	2.78	%	Flow Rate (Actual O2)	23241	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate	01:30 PM - 02:18 PM	mg/m3	-	0.5	<0.5	120	16	U.S. Environmental Protection Agency 40 CFR method 5, Appendix A, December 7, 2020 (Include sampling)	Rayong

Guideline : (1) Notification of the Ministry of Science Technology and Environment dated March 9, B.E. 2544 (2001), published in the Royal Government Gazette, Vol. 118 Special Part 37 dated May 8, B.E.2544 (2001)
(2) Environmental Impact Assessment Report of Kiriu (Thailand) Co., Ltd.

Note:
This Analysis test report is reissued to supersede report No.3395609-1, Date Reported : Sep 09, 2025 due to revise guideline/specification

Sampling By : Tarin Octjinda ทะเบียนเลขที่ ว-323-จ-0044

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.

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0029

Approved by

D. Changchon.

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Client : Kiriu (Thailand) Co., Ltd.
300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2582681

Date Received : Sep 04, 2025

Date Reported : Sep 12, 2025

Report Number: 3395611-1

Page 1 of 1

Sample Number 2582681-1
Sampled Date Sep 04, 2025
Sample Description Emission from Stationary Source
Location Baghouse Stack No.2/4 (S11)
Date Analysis Commenced Sep 05, 2025
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description

Ambient Pressure	749	mmHg	Diameter	0.68	m	Oxygen	20.9	%
Ambient Temperature	30.0	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	56.0	°C	Gas Velocity	16.7	m/s
Type of Fuel	-		Moisture	2.92	%	Flow Rate (Actual O2)	19004	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate	12:10 PM - 12:52 PM	mg/m3	-	0.5	<0.5	120	16	U.S. Environmental Protection Agency 40 CFR method 5, Appendix A, December 7, 2020 (Include sampling)	Rayong

Guideline : (1) Notification of the Ministry of Science Technology and Environment dated March 9, B.E. 2544 (2001), published in the Royal Government Gazette, Vol. 118 Special Part 37 dated May 8, B.E.2544 (2001)
(2) Environmental Impact Assessment Report of Kiriu (Thailand) Co., Ltd.

Sampling By : Tarin Octjinda ทะเบียนเลขที่ ว-323-จ-0044

Remark :

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Approved by

D. Johnson.

Dej Changchon
Senior Manager

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Analysis / Test Report

TESTING
No.0042

Client : Kiriu (Thailand) Co., Ltd.
300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2582682

Date Received : Sep 03, 2025

Date Reported : Sep 09, 2025

Report Number: 3395612-1

Page 1 of 1

Sample Number 2582682-1
Sampled Date Sep 03, 2025
Sample Description Emission from Stationary Source
Location Baghouse Stack No.2/5 (S12)
Date Analysis Commenced Sep 04, 2025
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description

Ambient Pressure	749	mmHg	Diameter	0.89	m	Oxygen	20.9	%
Ambient Temperature	31.8	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	56.0	°C	Gas Velocity	8.6	m/s
Type of Fuel	-		Moisture	2.95	%	Flow Rate (Actual O2)	16787	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate	02:30 PM - 03:18 PM	mg/m3	-	0.5	<0.5	120	16	U.S. Environmental Protection Agency 40 CFR method 5, Appendix A, December 7, 2020 (Include sampling)	Rayong

Guideline : (1) Notification of the Ministry of Science Technology and Environment dated March 9, B.E. 2544 (2001), published in the Royal Government Gazette, Vol. 118 Special Part 37 dated May 8, B.E.2544 (2001)
(2) Environmental Impact Assessment Report of Kiriu (Thailand) Co., Ltd.

Sampling By : Tarin Octjinda ทะเบียนเลขที่ ว-323-จ-0044

Remark :

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

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Approved by

D. Johnson.

Dej Changchon
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Analysis / Test Report

TESTING
No.0042

Client : Kiriu (Thailand) Co., Ltd.
300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2582683

Date Received : Sep 02, 2025

Date Reported : Sep 09, 2025

Report Number: 3395613-1

Page 1 of 1

Sample Number 2582683-1
Sampled Date Sep 02, 2025
Sample Description Emission from Stationary Source
Location Baghouse Stack No.2/6 (S13)
Date Analysis Commenced Sep 03, 2025
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description

Ambient Pressure	749	mmHg	Diameter	1.20	m	Oxygen	20.9	%
Ambient Temperature	30.0	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	46.0	°C	Gas Velocity	19.7	m/s
Type of Fuel	-		Moisture	3.01	%	Flow Rate (Actual O2)	71632	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate	01:20 PM - 02:02 PM	mg/m3	-	0.5	<0.5	120	15	U.S. Environmental Protection Agency 40 CFR method 5, Appendix A, December 7, 2020 (Include sampling)	Rayong

Guideline : (1) Notification of the Ministry of Science Technology and Environment dated March 9, B.E. 2544 (2001), published in the Royal Government Gazette, Vol. 118 Special Part 37 dated May 8, B.E.2544 (2001)
(2) Environmental Impact Assessment Report of Kiriu (Thailand) Co., Ltd.

Sampling By : Sutdamrong Chokpitinan ทะเบียนเลขที่ ว-323-จ-0037

Remark :

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Approved by

D. Changchon.

Dej Changchon
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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ภาคผนวก ค-2

คุณภาพอากาศในบรรยากาศ



Analysis / Test Report

TESTING
No.0042

Client : Kiriu (Thailand) Co., Ltd.
300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140
P/O : PO241110529
Project Name : Monitoring
Project Location :

Lot ID: 2579734
Date Received : Sep 06, 2025
Date Reported : Sep 11, 2025
Report Number: 3389549-1

Page 1 of 1

Sample Description	Air Quality			
Location	วัดจอมพลเจ้าพระยา (A1) (GPS 47P 0738135, 1442912)			
Date Analysis Commenced	Sep 09, 2025			
Condition of Sample	Drawn into one glass filter paper (8x10 inch) placed in plastic bag			
Sample Number	Sampled Date	Sampling Condition		Total Suspended Particulate (mg/m3)
		Pressure (mm Hg)	Temperature (°C)	
2579734-1	Aug 30 - Aug 31, 2025	754	30.0	0.030
2579734-2	Aug 31 - Sep 01, 2025	754	29.6	0.025
2579734-3	Sep 01 - Sep 02, 2025	754	28.8	0.031
2579734-4	Sep 02 - Sep 03, 2025	754	28.0	0.027
2579734-5	Sep 03 - Sep 04, 2025	754	28.6	0.026
2579734-6	Sep 04 - Sep 05, 2025	754	30.0	0.039
2579734-7	Sep 05 - Sep 06, 2025	754	29.5	0.034
Guideline	-	-	-	0.33

Reference Method

Total Suspended Particulate : United States Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008

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

Sampled By : Chatchai Sukpia

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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Analysis / Test Report

Client : Kiriu (Thailand) Co., Ltd.
300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140
P/O : PO241110529
Project Name : Monitoring
Project Location :

TESTING
No.0042
Lot ID: 2579734
Date Received : Sep 06, 2025
Date Reported : Sep 11, 2025
Report Number: 3389549-2

Page 1 of 1

Sample Description	Air Quality			
Location	วัดคลองกรำ (A2) (GPS 47P 0739662, 1440795)			
Date Analysis Commenced	Sep 09, 2025			
Condition of Sample	Drawn into one glass filter paper (8x10 inch) placed in plastic bag			
Sample Number	Sampled Date	Sampling Condition		Total Suspended Particulate (mg/m3)
		Pressure (mm Hg)	Temperature (°C)	
2579734-8	Aug 30 - Aug 31, 2025	754	30.0	0.053
2579734-9	Aug 31 - Sep 01, 2025	754	29.6	0.043
2579734-10	Sep 01 - Sep 02, 2025	754	28.8	0.058
2579734-11	Sep 02 - Sep 03, 2025	754	28.0	0.033
2579734-12	Sep 03 - Sep 04, 2025	754	28.6	0.035
2579734-13	Sep 04 - Sep 05, 2025	754	30.0	0.057
2579734-14	Sep 05 - Sep 06, 2025	754	29.5	0.059
Guideline	-	-	-	0.33

Reference Method

Total Suspended Particulate : United States Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008

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

Sampled By : Chatchai Sukpia

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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Analysis / Test Report

TESTING
No.0042

Client : Kiriu (Thailand) Co., Ltd.
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P/O : PO241110529
Project Name : Monitoring
Project Location :

Lot ID: 2579734
Date Received : Sep 06, 2025
Date Reported : Sep 11, 2025
Report Number: 3389549-3

Page 1 of 1

Sample Description	Air Quality			
Location	วัดราษฎร์ศรัทธาธรรม (A3) (GPS 47P 0730812, 1439042)			
Date Analysis Commenced	Sep 09, 2025			
Condition of Sample	Drawn into one glass filter paper (8x10 inch) placed in plastic bag			
Sample Number	Sampled Date	Sampling Condition		Total Suspended Particulate (mg/m3)
		Pressure (mm Hg)	Temperature (°C)	
2579734-15	Aug 30 - Aug 31, 2025	754	30.0	0.042
2579734-16	Aug 31 - Sep 01, 2025	754	29.6	0.040
2579734-17	Sep 01 - Sep 02, 2025	754	28.8	0.047
2579734-18	Sep 02 - Sep 03, 2025	754	28.0	0.057
2579734-19	Sep 03 - Sep 04, 2025	754	28.6	0.037
2579734-20	Sep 04 - Sep 05, 2025	754	30.0	0.050
2579734-21	Sep 05 - Sep 06, 2025	754	29.5	0.055
Guideline	-	-	-	0.33

Reference Method

Total Suspended Particulate : United States Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008

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

Sampled By : Chatchai Sukpia

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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Analysis / Test Report

Client : Kiri (Thailand) Co., Ltd.
300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140

Lot ID: 2579735

Date Received :Sep 06, 2025

Date Reported :Sep 12, 2025

Report Number :3389553-1

P/O :

Project Name : Monitoring

Project Location :

Page 1 of 2

Sample Number : 2579735-1 to 7
Parameter : Wind Speed / Wind Direction
Location : วัดราษฎร์ศุภาราม (A3) (GPS 47P 0730812, 1439042)
Sampling Date : Aug 30 - Sep 06, 2025
Sampling by : Chatchai Sukpia

Time	Aug 30 - Aug 31, 2025			Aug 31 - Sep 01, 2025			Sep 01 - Sep 02, 2025			Sep 02 - Sep 03, 2025			Sep 03 - Sep 04, 2025			Sep 04 - Sep 05, 2025			Sep 05 - Sep 06, 2025		
	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)	
09:00 AM - 10:00 AM	0.9	290.0	WNW	0.0	-	-	0.0	-	-	0.0	-	-	1.4	210.0	SSW	0.6	304.0	NW	1.4	9.0	N
10:00 AM - 11:00 AM	1.0	296.0	WNW	0.0	-	-	2.5	270.0	W	1.2	262.0	W	0.6	222.0	SW	1.2	280.0	W	0.3	266.0	W
11:00 AM - 12:00 PM	0.8	294.0	WNW	1.3	258.0	WSW	0.0	-	-	0.6	289.0	WNW	0.8	255.0	WSW	2.0	291.0	WNW	1.4	284.0	WNW
12:00 PM - 01:00 PM	0.6	294.0	WNW	0.7	260.0	W	0.0	-	-	1.0	281.0	W	1.2	279.0	W	0.8	274.0	W	2.3	164.0	SSE
01:00 PM - 02:00 PM	1.0	282.0	WNW	1.8	255.0	WSW	0.6	283.0	WNW	0.6	275.0	W	0.0	-	-	1.1	290.0	WNW	1.0	175.0	S
02:00 PM - 03:00 PM	1.9	275.0	W	0.0	-	-	1.1	235.0	SW	0.3	271.0	W	1.0	289.0	WNW	0.0	-	-	0.3	232.0	SW
03:00 PM - 04:00 PM	2.4	270.0	W	0.0	-	-	1.2	264.0	W	0.0	-	-	0.4	172.0	S	0.6	142.0	SE	0.6	208.0	SSW
04:00 PM - 05:00 PM	0.0	-	-	1.0	242.0	WSW	0.3	97.0	E	1.0	124.0	SE	0.0	-	-	0.2	-	-	0.0	-	-
05:00 PM - 06:00 PM	0.0	-	-	2.2	208.0	SSW	0.5	124.0	SE	0.8	150.0	SSE	0.6	94.0	E	0.0	-	-	0.0	-	-
06:00 PM - 07:00 PM	0.0	-	-	1.6	182.0	S	1.5	133.0	SE	0.0	-	-	0.0	-	-	0.8	205.0	SSW	0.0	-	-
07:00 PM - 08:00 PM	0.0	-	-	2.3	175.0	S	0.8	168.0	SSE	1.2	147.0	SSE	0.0	-	-	0.0	-	-	0.0	-	-
08:00 PM - 09:00 PM	0.0	-	-	2.2	178.0	S	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
09:00 PM - 10:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.4	163.0	SSE	0.0	-	-	0.0	-	-	0.0	-	-
10:00 PM - 11:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
11:00 PM - 12:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
12:00 AM - 01:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
01:00 AM - 02:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
02:00 AM - 03:00 AM	0.0	-	-	0.3	196.0	SSW	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.6	294.0	WNW
03:00 AM - 04:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.3	338.0	NNW
04:00 AM - 05:00 AM	0.0	-	-	0.0	-	-	0.6	351.0	N	0.0	-	-	1.0	289.0	WNW	0.0	-	-	1.4	116.0	ESE
05:00 AM - 06:00 AM	0.0	-	-	0.6	162.0	SSE	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.2	-	-
06:00 AM - 07:00 AM	0.0	-	-	0.0	-	-	0.6	254.0	WSW	0.0	-	-	0.0	-	-	0.6	155.0	SSE	1.2	132.0	SE
07:00 AM - 08:00 AM	0.0	-	-	1.6	270.0	W	0.3	246.0	WSW	0.3	164.0	SSE	0.3	292.0	WNW	1.2	290.0	WNW	0.6	120.0	ESE
08:00 AM - 09:00 AM	1.5	170.0	S	0.0	-	-	0.0	-	-	0.6	159.0	SSE	0.0	-	-	0.6	303.0	WNW	0.0	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Kiriu (Thailand) Co., Ltd.
300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140

Lot ID: 2579735

Date Received : Sep 06, 2025

Date Reported : Sep 12, 2025

Report Number : 3389553-1

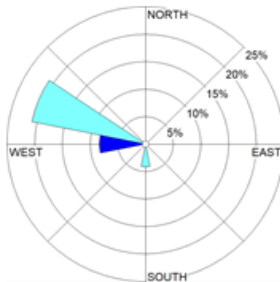
P/O :

Project Name : Monitoring

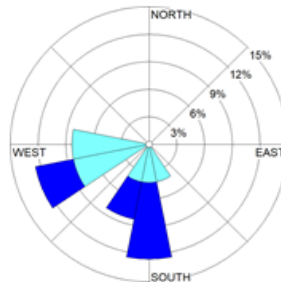
Project Location :

Page 2 of 2

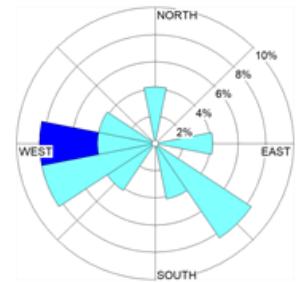
Wind Rose



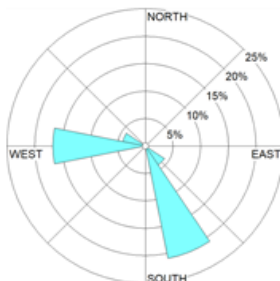
Date : Aug 30-31, 2025



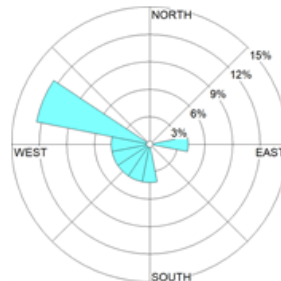
Date : Aug 31-Sep 01, 2025



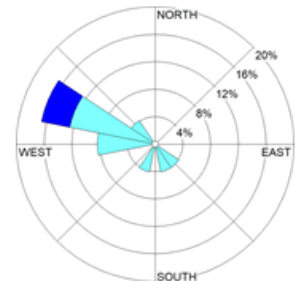
Date : Sep 01-02, 2025



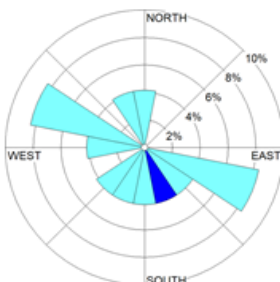
Date : Sep 02-03, 2025



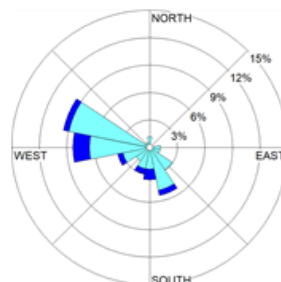
Date : Sep 03-04, 2025



Date : Sep 04-05, 2025



Date : Sep 05-06, 2025



Date : Aug 30-Sep 06, 2025

WS (m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	0.00
1.7-3.3	5.36
0.3-1.7	37.50
Calms	57.14

Location : วัดราษฎร์ศรัทธาธรรม (A3) (GPS 47P 0730812, 1439042)

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

Sarayuth Jitranont
Assistant General Manager

ภาคผนวก ค-3

ระดับเสียงโดยทั่วไป



Analysis / Test Report

TESTING
No.0042

Client : Kiri (Thailand) Co., Ltd.
300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2582690

Date Received : Sep 06, 2025

Date Reported : Sep 12, 2025

Report Number: 3405129-1

Page 1 of 1

Sample Number 2582690-1
Parameter Noise (Leq 24 hrs.)
Location ร่มรั้วโครงการ ทิศเหนือ (GPS 47P 0735883, 1439547)
Measurement Date Sep 02 - Sep 03, 2025
Measurement by Chatchai Sukpia
Sound Level meter Serial No. 873057

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	63.9	82.9	51.3
10:00 AM - 11:00 AM	65.3	82.7	52.4
11:00 AM - 12:00 PM	55.5	77.1	52.4
12:00 PM - 01:00 PM	55.5	73.1	52.7
01:00 PM - 02:00 PM	55.5	71.4	52.1
02:00 PM - 03:00 PM	54.0	68.2	51.1
03:00 PM - 04:00 PM	54.5	66.8	52.2
04:00 PM - 05:00 PM	54.2	67.1	51.2
05:00 PM - 06:00 PM	53.2	68.1	51.2
06:00 PM - 07:00 PM	53.7	67.6	51.6
07:00 PM - 08:00 PM	54.5	75.9	50.6
08:00 PM - 09:00 PM	52.5	79.5	49.9
09:00 PM - 10:00 PM	50.7	68.4	47.9
10:00 PM - 11:00 PM	49.3	66.6	46.1
11:00 PM - 12:00 AM	49.3	70.7	46.4
12:00 AM - 01:00 AM	51.5	77.8	48.5
01:00 AM - 02:00 AM	49.7	64.6	48.4
02:00 AM - 03:00 AM	51.2	72.5	46.4
03:00 AM - 04:00 AM	66.0	82.3	49.2
04:00 AM - 05:00 AM	57.3	72.4	51.3
05:00 AM - 06:00 AM	56.2	76.0	50.5
06:00 AM - 07:00 AM	55.0	71.4	50.3
07:00 AM - 08:00 AM	56.0	73.0	51.1
08:00 AM - 09:00 AM	54.3	69.4	51.9

Leq Average 24 hrs. (dB(A)) 58.0
Lmax (dB(A)) 82.9
L90 (dB(A)) 51.1
Ldn (dB(A)) 64.5

Standard (dB(A)) 70 115

Reference Method : ISO 1996-1 : 2016

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

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head



Analysis / Test Report

TESTING
No.0042

Client : Kiri (Thailand) Co., Ltd.
300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2582690

Date Received : Sep 06, 2025

Date Reported : Sep 12, 2025

Report Number: 3405130-1

Page 1 of 1

Sample Number 2582690-2
Parameter Noise (Leq 24 hrs.)
Location ร่มรั้วโครงการ ทิศเหนือ (GPS 47P 0735883, 1439547)
Measurement Date Sep 03 - Sep 04, 2025
Measurement by Chatchai Sukpia
Sound Level meter Serial No. 873057

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	54.6	78.7	51.7
10:00 AM - 11:00 AM	55.4	72.5	52.8
11:00 AM - 12:00 PM	56.7	82.1	53.2
12:00 PM - 01:00 PM	56.6	71.2	53.9
01:00 PM - 02:00 PM	55.7	72.8	53.6
02:00 PM - 03:00 PM	54.7	70.9	52.4
03:00 PM - 04:00 PM	54.2	69.7	51.3
04:00 PM - 05:00 PM	55.5	73.7	52.2
05:00 PM - 06:00 PM	53.3	67.7	51.5
06:00 PM - 07:00 PM	54.2	68.9	51.9
07:00 PM - 08:00 PM	54.0	72.6	51.4
08:00 PM - 09:00 PM	53.4	70.2	51.4
09:00 PM - 10:00 PM	52.2	62.5	51.1
10:00 PM - 11:00 PM	53.3	74.9	51.7
11:00 PM - 12:00 AM	55.5	77.1	52.1
12:00 AM - 01:00 AM	63.1	81.2	54.8
01:00 AM - 02:00 AM	54.5	68.9	52.2
02:00 AM - 03:00 AM	52.9	71.8	50.7
03:00 AM - 04:00 AM	52.4	64.4	51.2
04:00 AM - 05:00 AM	54.3	73.6	50.5
05:00 AM - 06:00 AM	53.0	71.1	49.8
06:00 AM - 07:00 AM	57.2	82.2	50.6
07:00 AM - 08:00 AM	56.4	71.6	51.8
08:00 AM - 09:00 AM	55.8	77.5	52.4

Leq Average 24 hrs. (dB(A)) 55.8
Lmax (dB(A)) 82.2
L90 (dB(A)) 51.7
Ldn (dB(A)) 62.9
Standard (dB(A)) 70 115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Kiriu (Thailand) Co., Ltd.
300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2582690

Date Received : Sep 06, 2025

Date Reported : Sep 12, 2025

Report Number: 3405131-1

Page 1 of 1

Sample Number : 2582690-3
Parameter : Noise (Leq 24 hrs.)
Location : ร่มรั้วโครงการ ทิศเหนือ (GPS 47P 0735883, 1439547)
Measurement Date : Sep 04 - Sep 05, 2025
Measurement by : Chatchai Sukpia
Sound Level meter : Serial No. 873057

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	55.5	72.2	53.0
10:00 AM - 11:00 AM	55.2	71.9	52.0
11:00 AM - 12:00 PM	54.7	76.4	52.1
12:00 PM - 01:00 PM	55.8	77.6	53.2
01:00 PM - 02:00 PM	56.7	76.2	53.5
02:00 PM - 03:00 PM	56.0	78.2	52.1
03:00 PM - 04:00 PM	54.5	74.7	52.0
04:00 PM - 05:00 PM	54.2	75.6	51.3
05:00 PM - 06:00 PM	54.3	73.4	51.7
06:00 PM - 07:00 PM	54.3	69.1	51.7
07:00 PM - 08:00 PM	56.0	83.3	51.6
08:00 PM - 09:00 PM	53.3	68.6	51.2
09:00 PM - 10:00 PM	51.3	67.2	48.6
10:00 PM - 11:00 PM	52.3	67.2	50.3
11:00 PM - 12:00 AM	52.4	68.9	50.2
12:00 AM - 01:00 AM	53.4	79.7	49.9
01:00 AM - 02:00 AM	51.7	67.0	50.0
02:00 AM - 03:00 AM	52.1	72.2	48.5
03:00 AM - 04:00 AM	51.9	64.8	49.6
04:00 AM - 05:00 AM	53.0	66.9	49.1
05:00 AM - 06:00 AM	54.8	78.0	50.5
06:00 AM - 07:00 AM	54.2	68.1	50.8
07:00 AM - 08:00 AM	56.1	71.2	51.6
08:00 AM - 09:00 AM	55.3	74.5	51.9

Leq Average 24 hrs. (dB(A)) : 54.4
Lmax (dB(A)) : 83.3
L90 (dB(A)) : 51.3
Ldn (dB(A)) : 59.8

Standard (dB(A)) : 70 115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head



Analysis / Test Report

TESTING
No.0042

Client : Kiri (Thailand) Co., Ltd.
300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2582690

Date Received : Sep 06, 2025

Date Reported : Sep 12, 2025

Report Number: 3405132-1

Page 1 of 1

Sample Number 2582690-4
Parameter Noise (Leq 24 hrs.)
Location ร่มรั้วโครงการ ทิศใต้ (GPS 47P 0735744, 1439339)
Measurement Date Sep 02 - Sep 03, 2025
Measurement by Chatchai Sukpia
Sound Level meter Serial No. 1073423

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	61.8	77.7	60.2
10:00 AM - 11:00 AM	67.4	83.8	63.1
11:00 AM - 12:00 PM	63.7	80.1	62.4
12:00 PM - 01:00 PM	64.0	80.9	62.7
01:00 PM - 02:00 PM	65.2	79.2	64.5
02:00 PM - 03:00 PM	65.1	78.5	64.1
03:00 PM - 04:00 PM	65.3	78.8	64.6
04:00 PM - 05:00 PM	65.0	93.5	63.5
05:00 PM - 06:00 PM	65.1	85.2	64.2
06:00 PM - 07:00 PM	65.7	79.2	65.0
07:00 PM - 08:00 PM	66.4	79.3	65.0
08:00 PM - 09:00 PM	65.7	78.7	64.8
09:00 PM - 10:00 PM	65.9	78.5	65.1
10:00 PM - 11:00 PM	65.6	79.1	64.7
11:00 PM - 12:00 AM	65.5	79.1	64.7
12:00 AM - 01:00 AM	65.3	78.7	64.5
01:00 AM - 02:00 AM	65.1	80.2	64.3
02:00 AM - 03:00 AM	64.8	80.3	63.8
03:00 AM - 04:00 AM	67.0	81.0	63.5
04:00 AM - 05:00 AM	64.9	80.3	63.5
05:00 AM - 06:00 AM	64.1	80.0	63.3
06:00 AM - 07:00 AM	64.1	79.9	63.3
07:00 AM - 08:00 AM	65.2	83.4	63.9
08:00 AM - 09:00 AM	64.4	84.8	63.4

Leq Average 24 hrs. (dB(A)) 65.2
Lmax (dB(A)) 93.5
L90 (dB(A)) 63.9
Ldn (dB(A)) 71.6

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Kiriu (Thailand) Co., Ltd.
300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2582690

Date Received : Sep 06, 2025

Date Reported : Sep 12, 2025

Report Number: 3405133-1

Page 1 of 1

Sample Number 2582690-5
Parameter Noise (Leq 24 hrs.)
Location ร่มรั้วโครงการ ทิศใต้ (GPS 47P 0735744, 1439339)
Measurement Date Sep 03 - Sep 04, 2025
Measurement by Chatchai Sukpia
Sound Level meter Serial No. 1073423

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	62.3	82.7	60.1
10:00 AM - 11:00 AM	60.4	77.4	59.4
11:00 AM - 12:00 PM	60.3	77.5	59.3
12:00 PM - 01:00 PM	61.2	78.0	60.0
01:00 PM - 02:00 PM	62.0	78.6	60.6
02:00 PM - 03:00 PM	62.5	79.1	61.4
03:00 PM - 04:00 PM	63.2	78.7	62.1
04:00 PM - 05:00 PM	64.2	89.8	63.0
05:00 PM - 06:00 PM	64.8	78.7	64.2
06:00 PM - 07:00 PM	65.3	78.4	64.7
07:00 PM - 08:00 PM	65.9	79.0	65.3
08:00 PM - 09:00 PM	64.2	81.1	60.3
09:00 PM - 10:00 PM	60.8	65.0	59.6
10:00 PM - 11:00 PM	58.7	64.2	56.0
11:00 PM - 12:00 AM	56.7	67.0	55.8
12:00 AM - 01:00 AM	63.4	82.3	56.6
01:00 AM - 02:00 AM	57.8	70.4	56.6
02:00 AM - 03:00 AM	57.4	67.0	56.2
03:00 AM - 04:00 AM	57.1	60.4	56.1
04:00 AM - 05:00 AM	60.8	67.3	56.8
05:00 AM - 06:00 AM	61.9	66.2	61.2
06:00 AM - 07:00 AM	61.7	74.6	61.1
07:00 AM - 08:00 AM	63.7	84.2	61.3
08:00 AM - 09:00 AM	63.6	79.6	62.2

Leq Average 24 hrs. (dB(A)) 62.4
Lmax (dB(A)) 89.8
L90 (dB(A)) 60.1
Ldn (dB(A)) 67.2

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Kiriu (Thailand) Co., Ltd.
300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2582690

Date Received : Sep 06, 2025

Date Reported : Sep 12, 2025

Report Number: 3405134-1

Page 1 of 1

Sample Number 2582690-6
Parameter Noise (Leq 24 hrs.)
Location ร่มรั้วโครงการ ทิศใต้ (GPS 47P 0735744, 1439339)
Measurement Date Sep 04 - Sep 05, 2025
Measurement by Chatchai Sukpia
Sound Level meter Serial No. 1073423

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	62.2	78.6	60.6
10:00 AM - 11:00 AM	61.4	77.4	60.1
11:00 AM - 12:00 PM	61.5	78.3	60.3
12:00 PM - 01:00 PM	62.3	78.6	61.1
01:00 PM - 02:00 PM	62.9	79.1	61.9
02:00 PM - 03:00 PM	64.7	79.0	63.5
03:00 PM - 04:00 PM	64.9	79.2	64.2
04:00 PM - 05:00 PM	65.3	80.0	64.5
05:00 PM - 06:00 PM	64.9	79.5	63.9
06:00 PM - 07:00 PM	65.2	89.3	64.0
07:00 PM - 08:00 PM	64.8	79.6	64.2
08:00 PM - 09:00 PM	66.0	83.9	64.4
09:00 PM - 10:00 PM	65.2	79.5	64.5
10:00 PM - 11:00 PM	67.4	86.4	64.8
11:00 PM - 12:00 AM	67.1	79.8	65.1
12:00 AM - 01:00 AM	65.0	80.4	64.4
01:00 AM - 02:00 AM	65.1	79.9	64.3
02:00 AM - 03:00 AM	65.4	80.4	64.5
03:00 AM - 04:00 AM	65.6	79.0	64.7
04:00 AM - 05:00 AM	64.7	79.0	64.1
05:00 AM - 06:00 AM	65.5	79.9	64.5
06:00 AM - 07:00 AM	64.9	79.6	64.2
07:00 AM - 08:00 AM	63.9	83.2	62.9
08:00 AM - 09:00 AM	62.2	78.0	60.8

Leq Average 24 hrs. (dB(A)) 64.8
Lmax (dB(A)) 89.3
L90 (dB(A)) 64.2
Ldn (dB(A)) 71.9
Standard (dB(A)) 70 115

Reference Method : ISO 1996-1 : 2016

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
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โรงงาน พ.ศ. 2548

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Kiri (Thailand) Co., Ltd.
300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2582690

Date Received : Sep 06, 2025

Date Reported : Sep 12, 2025

Report Number: 3405135-1

Page 1 of 1

Sample Number 2582690-7
Parameter Noise (Leq 24 hrs.)
Location ร่มรั้วโครงการ ทิศตะวันออก (GPS 47P 0735868, 1439356)
Measurement Date Sep 02 - Sep 03, 2025
Measurement by Chatchai Sukpia
Sound Level meter Serial No. 873109

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	61.3	78.2	56.1
10:00 AM - 11:00 AM	67.4	99.7	57.6
11:00 AM - 12:00 PM	58.6	75.6	56.7
12:00 PM - 01:00 PM	59.7	81.4	56.4
01:00 PM - 02:00 PM	62.8	82.2	57.4
02:00 PM - 03:00 PM	58.3	77.6	56.9
03:00 PM - 04:00 PM	59.0	80.6	57.2
04:00 PM - 05:00 PM	58.4	78.4	56.3
05:00 PM - 06:00 PM	56.1	75.2	54.1
06:00 PM - 07:00 PM	56.8	80.0	54.4
07:00 PM - 08:00 PM	57.0	83.2	54.7
08:00 PM - 09:00 PM	59.4	81.5	56.9
09:00 PM - 10:00 PM	58.4	80.6	56.3
10:00 PM - 11:00 PM	58.5	79.0	56.3
11:00 PM - 12:00 AM	57.3	79.3	55.6
12:00 AM - 01:00 AM	57.1	78.8	54.2
01:00 AM - 02:00 AM	60.1	87.0	56.3
02:00 AM - 03:00 AM	57.8	79.5	55.1
03:00 AM - 04:00 AM	68.1	105.8	55.2
04:00 AM - 05:00 AM	59.9	89.7	56.9
05:00 AM - 06:00 AM	57.8	85.1	55.3
06:00 AM - 07:00 AM	58.6	94.9	54.2
07:00 AM - 08:00 AM	57.3	74.6	54.2
08:00 AM - 09:00 AM	60.0	81.0	57.7

Leq Average 24 hrs. (dB(A)) 60.9
Lmax (dB(A)) 105.8
L90 (dB(A)) 56.3
Ldn (dB(A)) 67.6

Standard (dB(A)) 70 115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Kiri (Thailand) Co., Ltd.
300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2582690

Date Received : Sep 06, 2025

Date Reported : Sep 12, 2025

Report Number: 3405136-1

Page 1 of 1

Sample Number 2582690-8
Parameter Noise (Leq 24 hrs.)
Location ร่มรั้วโครงการ ทิศตะวันออก (GPS 47P 0735868, 1439356)
Measurement Date Sep 03 - Sep 04, 2025
Measurement by Chatchai Sukpia
Sound Level meter Serial No. 873109

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	59.8	82.7	56.6
10:00 AM - 11:00 AM	59.0	82.6	56.1
11:00 AM - 12:00 PM	58.6	79.3	55.3
12:00 PM - 01:00 PM	58.2	86.5	54.7
01:00 PM - 02:00 PM	59.2	84.6	56.3
02:00 PM - 03:00 PM	59.6	82.3	56.2
03:00 PM - 04:00 PM	59.4	83.1	56.5
04:00 PM - 05:00 PM	58.7	83.1	56.5
05:00 PM - 06:00 PM	56.3	75.5	54.9
06:00 PM - 07:00 PM	57.9	75.7	55.9
07:00 PM - 08:00 PM	58.1	76.9	56.2
08:00 PM - 09:00 PM	59.1	80.8	55.2
09:00 PM - 10:00 PM	56.3	82.6	54.2
10:00 PM - 11:00 PM	56.9	77.7	54.3
11:00 PM - 12:00 AM	57.7	80.7	52.3
12:00 AM - 01:00 AM	62.5	90.7	51.7
01:00 AM - 02:00 AM	58.5	85.2	55.4
02:00 AM - 03:00 AM	58.3	81.4	54.6
03:00 AM - 04:00 AM	56.1	81.4	54.3
04:00 AM - 05:00 AM	55.3	71.7	54.3
05:00 AM - 06:00 AM	55.9	77.5	52.0
06:00 AM - 07:00 AM	55.5	80.4	51.3
07:00 AM - 08:00 AM	56.5	77.1	52.0
08:00 AM - 09:00 AM	58.6	82.1	56.3

Leq Average 24 hrs. (dB(A)) 58.3
Lmax (dB(A)) 90.7
L90 (dB(A)) 54.9
Ldn (dB(A)) 64.5

Standard (dB(A)) 70 115

Reference Method : ISO 1996-1 : 2016

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
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Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Kiriu (Thailand) Co., Ltd.
300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2582690

Date Received : Sep 06, 2025

Date Reported : Sep 12, 2025

Report Number: 3405137-1

Page 1 of 1

Sample Number 2582690-9
Parameter Noise (Leq 24 hrs.)
Location ร่มรั้วโครงการ ทิศตะวันออก (GPS 47P 0735868, 1439356)
Measurement Date Sep 04 - Sep 05, 2025
Measurement by Chatchai Sukpia
Sound Level meter Serial No. 873109

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	58.7	80.2	55.9
10:00 AM - 11:00 AM	58.5	80.4	56.0
11:00 AM - 12:00 PM	57.6	83.3	54.9
12:00 PM - 01:00 PM	58.0	79.1	55.5
01:00 PM - 02:00 PM	58.5	83.4	56.7
02:00 PM - 03:00 PM	59.6	84.7	57.4
03:00 PM - 04:00 PM	59.3	76.7	57.6
04:00 PM - 05:00 PM	58.5	78.3	56.9
05:00 PM - 06:00 PM	57.3	74.2	55.4
06:00 PM - 07:00 PM	57.4	78.2	55.4
07:00 PM - 08:00 PM	57.3	75.2	55.3
08:00 PM - 09:00 PM	59.4	83.9	56.8
09:00 PM - 10:00 PM	58.2	78.4	56.3
10:00 PM - 11:00 PM	59.3	83.7	56.5
11:00 PM - 12:00 AM	56.9	73.7	55.6
12:00 AM - 01:00 AM	57.9	80.4	54.9
01:00 AM - 02:00 AM	59.0	86.8	56.1
02:00 AM - 03:00 AM	59.2	80.5	56.0
03:00 AM - 04:00 AM	59.0	81.5	56.0
04:00 AM - 05:00 AM	57.3	85.1	55.7
05:00 AM - 06:00 AM	56.9	78.3	54.7
06:00 AM - 07:00 AM	56.4	81.3	54.6
07:00 AM - 08:00 AM	56.6	77.9	54.1
08:00 AM - 09:00 AM	63.2	85.4	55.8

Leq Average 24 hrs. (dB(A)) 58.6
Lmax (dB(A)) 86.8
L90 (dB(A)) 55.8
Ldn (dB(A)) 64.6

Standard (dB(A)) 70 115

Reference Method : ISO 1996-1 : 2016

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
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โรงงาน พ.ศ. 2548

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head



Analysis / Test Report

TESTING
No.0042

Client : Kiri (Thailand) Co., Ltd.
300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2582690

Date Received : Sep 06, 2025

Date Reported : Sep 12, 2025

Report Number: 3405138-1

Page 1 of 1

Sample Number 2582690-10
Parameter Noise (Leq 24 hrs.)
Location ร่มรั้วโครงการ ทิศตะวันตก (GPS 47P 0735680, 1439522)
Measurement Date Sep 02 - Sep 03, 2025
Measurement by Chatchai Sukpia
Sound Level meter Serial No. 1173609

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	65.8	83.0	62.9
10:00 AM - 11:00 AM	66.3	86.7	63.6
11:00 AM - 12:00 PM	65.0	82.7	63.4
12:00 PM - 01:00 PM	65.3	84.0	63.8
01:00 PM - 02:00 PM	65.2	85.1	63.3
02:00 PM - 03:00 PM	65.7	87.2	63.3
03:00 PM - 04:00 PM	65.4	84.3	63.4
04:00 PM - 05:00 PM	64.9	82.1	63.3
05:00 PM - 06:00 PM	64.9	87.1	63.2
06:00 PM - 07:00 PM	64.5	83.3	63.1
07:00 PM - 08:00 PM	64.4	80.8	61.8
08:00 PM - 09:00 PM	62.5	80.0	59.8
09:00 PM - 10:00 PM	61.6	81.7	60.0
10:00 PM - 11:00 PM	61.4	81.5	59.8
11:00 PM - 12:00 AM	60.8	82.7	59.4
12:00 AM - 01:00 AM	61.2	78.8	59.9
01:00 AM - 02:00 AM	62.6	82.3	59.9
02:00 AM - 03:00 AM	60.2	80.4	58.4
03:00 AM - 04:00 AM	63.9	82.0	58.9
04:00 AM - 05:00 AM	63.7	74.7	61.2
05:00 AM - 06:00 AM	65.2	82.1	63.8
06:00 AM - 07:00 AM	65.7	81.6	64.1
07:00 AM - 08:00 AM	65.3	81.6	63.8
08:00 AM - 09:00 AM	65.2	82.9	63.7

Leq Average 24 hrs. (dB(A)) 64.4
Lmax (dB(A)) 87.2
L90 (dB(A)) 63.1
Ldn (dB(A)) 69.9

Standard (dB(A)) 70 115

Reference Method : ISO 1996-1 : 2016

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
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Analysis / Test Report

TESTING
No.0042

Client : Kiriu (Thailand) Co., Ltd.
300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2582690

Date Received : Sep 06, 2025

Date Reported : Sep 12, 2025

Report Number: 3405139-1

Page 1 of 1

Sample Number 2582690-11
Parameter Noise (Leq 24 hrs.)
Location ริมรั้วโครงการ ทิศตะวันตก (GPS 47P 0735680, 1439522)
Measurement Date Sep 03 - Sep 04, 2025
Measurement by Chatchai Sukpia
Sound Level meter Serial No. 1173609

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	64.7	81.5	63.0
10:00 AM - 11:00 AM	64.3	82.8	62.7
11:00 AM - 12:00 PM	64.1	85.3	62.8
12:00 PM - 01:00 PM	64.9	84.4	63.0
01:00 PM - 02:00 PM	65.5	87.5	63.2
02:00 PM - 03:00 PM	65.5	85.0	63.3
03:00 PM - 04:00 PM	66.0	83.3	63.8
04:00 PM - 05:00 PM	65.5	85.4	63.8
05:00 PM - 06:00 PM	65.0	83.8	63.3
06:00 PM - 07:00 PM	64.7	84.7	63.2
07:00 PM - 08:00 PM	64.9	83.3	63.3
08:00 PM - 09:00 PM	65.0	84.4	62.9
09:00 PM - 10:00 PM	64.4	86.8	62.6
10:00 PM - 11:00 PM	64.4	82.5	62.6
11:00 PM - 12:00 AM	63.7	81.1	62.4
12:00 AM - 01:00 AM	65.5	87.2	63.2
01:00 AM - 02:00 AM	64.5	82.0	63.0
02:00 AM - 03:00 AM	64.6	82.7	63.0
03:00 AM - 04:00 AM	64.6	85.9	62.9
04:00 AM - 05:00 AM	64.6	78.9	63.2
05:00 AM - 06:00 AM	64.9	85.2	63.4
06:00 AM - 07:00 AM	65.3	85.3	63.5
07:00 AM - 08:00 AM	65.4	84.8	63.6
08:00 AM - 09:00 AM	66.4	88.6	63.5

Leq Average 24 hrs. (dB(A)) 65.0
Lmax (dB(A)) 88.6
L90 (dB(A)) 63.2
Ldn (dB(A)) 71.2

Standard (dB(A)) 70 115

Reference Method : ISO 1996-1 : 2016

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
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Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

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Chonticha Subongkoch
Scientist (3)

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Analysis / Test Report

TESTING
No.0042

Client : Kiriu (Thailand) Co., Ltd.
300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring

Project Location :

Lot ID: 2582690

Date Received : Sep 06, 2025

Date Reported : Sep 12, 2025

Report Number: 3405140-1

Page 1 of 1

Sample Number 2582690-12
Parameter Noise (Leq 24 hrs.)
Location ร่มรั้วโครงการ ทิศตะวันตก (GPS 47P 0735680, 1439522)
Measurement Date Sep 04 - Sep 05, 2025
Measurement by Chatchai Sukpia
Sound Level meter Serial No. 1173609

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	66.1	87.7	63.4
10:00 AM - 11:00 AM	64.9	85.2	62.9
11:00 AM - 12:00 PM	64.5	85.7	62.9
12:00 PM - 01:00 PM	64.9	85.0	63.2
01:00 PM - 02:00 PM	66.8	88.7	63.7
02:00 PM - 03:00 PM	66.7	89.1	63.4
03:00 PM - 04:00 PM	66.2	86.7	63.5
04:00 PM - 05:00 PM	66.3	91.3	63.5
05:00 PM - 06:00 PM	65.4	85.2	63.9
06:00 PM - 07:00 PM	64.9	73.6	63.8
07:00 PM - 08:00 PM	65.0	84.6	63.8
08:00 PM - 09:00 PM	62.9	81.9	60.3
09:00 PM - 10:00 PM	63.0	85.4	60.7
10:00 PM - 11:00 PM	62.4	82.1	60.4
11:00 PM - 12:00 AM	61.2	77.6	60.0
12:00 AM - 01:00 AM	61.0	76.6	60.1
01:00 AM - 02:00 AM	62.3	82.9	60.0
02:00 AM - 03:00 AM	61.0	77.3	60.0
03:00 AM - 04:00 AM	61.5	83.4	60.1
04:00 AM - 05:00 AM	63.3	73.4	60.4
05:00 AM - 06:00 AM	64.5	78.0	63.3
06:00 AM - 07:00 AM	65.0	78.2	63.6
07:00 AM - 08:00 AM	65.2	86.2	63.5
08:00 AM - 09:00 AM	65.2	84.0	63.2

Leq Average 24 hrs. (dB(A)) 64.5
Lmax (dB(A)) 91.3
L90 (dB(A)) 63.2
Ldn (dB(A)) 69.6

Standard (dB(A)) 70 115

Reference Method : ISO 1996-1 : 2016

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
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โรงงาน พ.ศ. 2548

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head

ภาคผนวก ค-4

คุณภาพน้ำทิ้ง



Analysis / Test Report

TESTING

No.0042

Lot ID: 2545673

Date Received : Jul 07, 2025

Date Reported : Jul 15, 2025

Report Number : 3306336-1

Client : Kiriu (Thailand) Co., Ltd.

300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140

P/O : PO241210284

Project Name : Monitoring

Project Location :

Page 1 of 2

Sample Number	2545673-1
Sampled Date	Jul 07, 2025 1:40 PM
Sample Description	Wastewater
Location	Effluent
Date Analysis Commenced	Jul 07, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	77.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	285	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	70	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	65	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	240	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	80	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.

Sampling By : Warunyoo Chimphalee ทะเบียนเลขที่ ว-323-จ-0020

Remark :

Technical Management

Photchana S

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

Client : Kiriu (Thailand) Co., Ltd.

300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140

P/O : PO241210284

Project Name : Monitoring

Project Location :

TESTING

No.0042

Lot ID: 2545673

Date Received : Jul 07, 2025

Date Reported : Jul 15, 2025

Report Number : 3306336-1

Page 2 of 2

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management

Photchana S

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING

No.0042

Lot ID: 2562786

Date Received : Aug 04, 2025

Date Reported : Aug 11, 2025

Report Number : 3348070-1

Client : Kiriu (Thailand) Co., Ltd.

300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140

P/O : PO241210284

Project Name : Monitoring

Project Location :

Page 1 of 2

Sample Number	2562786-1
Sampled Date	Aug 04, 2025 11:40 AM
Sample Description	Wastewater
Location	Effluent
Date Analysis Commenced	Aug 04, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	85.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	214	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	202	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	201	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	424	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	57	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.

Sampling By : Warunyoo Chimphalee ทะเบียนเลขที่ ว-323-จ-0020

Remark :

Technical Management

Photchana S

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

Client : Kiriu (Thailand) Co., Ltd.

300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140

P/O : PO241210284

Project Name : Monitoring

Project Location :

TESTING

No.0042

Lot ID: 2562786

Date Received : Aug 04, 2025

Date Reported : Aug 11, 2025

Report Number : 3348070-1

Page 2 of 2

- LOD : Limit of Detection
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- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management

Photchana S

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING

No.0042

Lot ID: 2573652

Date Received : Sep 05, 2025

Date Reported : Sep 12, 2025

Report Number : 3375535-1

Client : Kiriu (Thailand) Co., Ltd.

300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140

P/O : PO241210284

Project Name : Monitoring

Project Location :

Page 1 of 2

Sample Number	2573652-1						
Sampled Date	Sep 05, 2025 10:00 AM						
Sample Description	Wastewater						
Location	Effluent						
Date Analysis Commenced	Sep 05, 2025						
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	55.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	116	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	40	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 F	Rayong
Color (at pH 7.0)	ADMI	-	5	36	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	352	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	34	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.

Sampling By : Warunyoo Chimphalee ทะเบียนเลขที่ ว-323-จ-0020

Remark :

Technical Management

Jitsupa P.

Jitsupa Pratuangsuk
Scientist (2)

ทะเบียนเลขที่ ว-323-จ-0004

Approved by

D. Changchon.

Dej Changchon
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

Client : Kiriu (Thailand) Co., Ltd.

300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140

P/O : PO241210284

Project Name : Monitoring

Project Location :

TESTING

No.0042

Lot ID: 2573652

Date Received : Sep 05, 2025

Date Reported : Sep 12, 2025

Report Number : 3375535-1

Page 2 of 2

- LOD : Limit of Detection
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- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management

Jitsupa P.

Jitsupa Pratuangsuk
Scientist (2)

ทะเบียนเลขที่ ว-323-จ-0004

Approved by

D. Changchon.

Dej Changchon
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING

No.0042

Lot ID: 2585925

Date Received : Oct 07, 2025

Date Reported : Oct 16, 2025

Report Number : 3404200-1

Client : Kiriu (Thailand) Co., Ltd.

300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140

P/O : PO241210284

Project Name : Monitoring

Project Location :

Page 1 of 2

Sample Number	2585925-1
Sampled Date	Oct 07, 2025 2:29 PM
Sample Description	Wastewater
Location	Effluent
Date Analysis Commenced	Oct 07, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	138	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	354	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	129	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 F	Rayong
Color (at pH 7.0)	ADMI	-	5	128	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	61	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.

Sampling By : Warunyoo Chimphalee ทะเบียนเลขที่ ว-323-จ-0020

Remark :

Technical Management

Photchana S

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

Client : Kiriu (Thailand) Co., Ltd.
300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140
P/O : PO241210284
Project Name : Monitoring
Project Location :

TESTING
No.0042
Lot ID: 2585925
Date Received : Oct 07, 2025
Date Reported : Oct 16, 2025
Report Number : 3404200-1

Page 2 of 2

- LOD : Limit of Detection
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- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management

Photchana S

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING

No.0042

Lot ID: 2589356

Date Received : Nov 05, 2025

Date Reported : Nov 12, 2025

Report Number : 3412315-1

Client : Kiriu (Thailand) Co., Ltd.

300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140

P/O : PO241210284

Project Name : Monitoring

Project Location :

Page 1 of 2

Sample Number	2589356-1
Sampled Date	Nov 05, 2025 10:45 AM
Sample Description	Wastewater
Location	Effluent
Date Analysis Commenced	Nov 05, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	154	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	238	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	63	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	60	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	364	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	57	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.

Sampling By : Warunyoo Chimphalee ทะเบียนเลขที่ ว-323-จ-0020

Remark :

Technical Management

Photchana S

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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Client : Kiriu (Thailand) Co., Ltd.

300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140

P/O : PO241210284

Project Name : Monitoring

Project Location :

TESTING

No.0042

Lot ID: 2589356

Date Received : Nov 05, 2025

Date Reported : Nov 12, 2025

Report Number : 3412315-1

Page 2 of 2

- LOD : Limit of Detection
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- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management

Photchana S

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

Client : Kiriu (Thailand) Co., Ltd.
300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140
P/O : PO241210284
Project Name : Monitoring
Project Location :

TESTING
No.0042
Lot ID: 25103061
Date Received : Dec 03, 2025
Date Reported : Dec 11, 2025
Report Number : 3446386-1

Page 1 of 2

Sample Number	25103061-1
Sampled Date	Dec 03, 2025 10:40 AM
Sample Description	Wastewater
Location	Effluent
Date Analysis Commenced	Dec 03, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	97.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	267	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	83	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 F	Rayong
Color (at pH 7.0)	ADMI	-	5	80	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	348	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	92	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.

Sampling By : Warunyoo Chimphalee ทะเบียนเลขที่ ว-323-จ-0020

Remark :

Technical Management

Photchana S

Photchana Seeda
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon

Dej Changchon
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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Client : Kiriu (Thailand) Co., Ltd.
300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140
P/O : PO241210284
Project Name : Monitoring
Project Location :

TESTING
No.0042
Lot ID: 25103061
Date Received : Dec 03, 2025
Date Reported : Dec 11, 2025
Report Number : 3446386-1

Page 2 of 2

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- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management

Photchanas

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Chumson

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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ภาคผนวก ค-5

ระดับความร้อนในสถานที่ทำงาน



Analysis / Test Report

Client : Kiriu (Thailand) Co., Ltd.
300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140
P/O : PO241110529
Project Name : Monitoring
Project Location :

Lot ID: 2579736

Date Received : Aug 27, 2025

Date Reported : Sep 02, 2025

Report Number: 3389557-1

Page 1 of 4

Sample Number 2579736-1
Parameter Heat Stress (Sampling Time : 09.30 AM - 11.30 PM)
Measurement Date Aug 26, 2025
Measurement by Amnat Wongsakhen
Location ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
พื้นที่เดาหลอม รง.1 (H3)	120	28.9	27.0	33.2	33.2
Average (WBGT)		28.9			
Guideline WBGT (°C)		32.0			

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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Analysis / Test Report

Client : Kiri (Thailand) Co., Ltd.
300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140
P/O : PO241110529
Project Name : Monitoring
Project Location :

Lot ID: 2579736
Date Received : Aug 27, 2025
Date Reported : Sep 02, 2025
Report Number: 3389557-1

Page 2 of 4

Sample Number 2579736-2
Parameter Heat Stress (Sampling Time : 09.30 AM - 11.30 PM)
Measurement Date Aug 26, 2025
Measurement by Amnat Wongsakhen
Location ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
พื้นที่เดาหลอม รง.2 (H4)	120	29.8	27.7	34.7	33.9
Average (WBGT)		29.8			
Guideline WBGT (°C)		32.0			

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


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Analysis / Test Report

Client : Kiriu (Thailand) Co., Ltd.
300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140
P/O : PO241110529
Project Name : Monitoring
Project Location :

Lot ID: 2579736
Date Received : Aug 27, 2025
Date Reported : Sep 02, 2025
Report Number: 3389557-1

Page 3 of 4

Sample Number 2579736-3
Parameter Heat Stress (Sampling Time : 09.30 AM - 11.30 PM)
Measurement Date Aug 26, 2025
Measurement by Amnat Wongsakhen
Location ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
พื้นที่ทำไสแบบ Shell core รง.1 (H1)	120	29.8	27.5	35.2	34.9
Average (WBGT)		29.8			
Guideline WBGT (°C)		32.0			

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


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Approved by


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Analysis / Test Report

Client : Kiriu (Thailand) Co., Ltd.
300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140
P/O : PO241110529
Project Name : Monitoring
Project Location :

Lot ID: 2579736

Date Received : Aug 27, 2025

Date Reported : Sep 02, 2025

Report Number: 3389557-1

Page 4 of 4

Sample Number 2579736-4
Parameter Heat Stress (Sampling Time : 09.30 AM - 11.30 PM)
Measurement Date Aug 26, 2025
Measurement by Amnat Wongsakhen
Location ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
พื้นที่ทำไส้แบบ Shell core รง.2 (H2)	120	29.7	27.3	35.4	35.0
Average (WBGT)		29.7			
Guideline WBGT (°C)		32.0			

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


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Section Head

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Analysis / Test Report

Client : Kiriu (Thailand) Co., Ltd.
300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140
P/O : PO241110529
Project Name : Monitoring
Project Location :

Lot ID: 25106835
Date Received : Nov 25, 2025
Date Reported : Nov 28, 2025
Report Number: 3455467-1

Page 1 of 4

Sample Number 25106835-1
Parameter Heat Stress (Sampling Time : 09.00 AM - 11.00 PM)
Measurement Date Nov 25, 2025
Measurement by Chaimongkol Saenmath
Location ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
พื้นที่เดาหลอม รง.1 (H3)	120	26.8	23.6	34.2	34.2
Average (WBGT)		26.8			
Guideline WBGT (°C)		32.0			

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

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Client : Kiri (Thailand) Co., Ltd.
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P/O : PO241110529
Project Name : Monitoring
Project Location :

Lot ID: 25106835
Date Received : Nov 25, 2025
Date Reported : Nov 28, 2025
Report Number: 3455467-1

Page 2 of 4

Sample Number 25106835-2
Parameter Heat Stress (Sampling Time : 09.00 AM - 11.00 PM)
Measurement Date Nov 25, 2025
Measurement by Chaimongkol Saenmath
Location ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
พื้นที่เดาหลอม รง.2 (H4)	120	26.2	23.4	32.7	32.7
Average (WBGT)		26.2			
Guideline WBGT (°C)		32.0			

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)
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Client : Kiriu (Thailand) Co., Ltd.
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P/O : PO241110529
Project Name : Monitoring
Project Location :

Lot ID: 25106835
Date Received : Nov 25, 2025
Date Reported : Nov 28, 2025
Report Number: 3455467-1

Page 3 of 4

Sample Number 25106835-3
Parameter Heat Stress (Sampling Time : 09.00 AM - 11.00 PM)
Measurement Date Nov 25, 2025
Measurement by Chaimongkol Saenmath
Location ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
พื้นที่ทำไส้แบบ Shell core รง.1 (H1)	120	30.2	27.9	35.4	35.4
Average (WBGT)		30.2			
Guideline WBGT (°C)		32.0			

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)
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Technical Management


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Analysis / Test Report

Client : Kiri (Thailand) Co., Ltd.
300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140
P/O : PO241110529
Project Name : Monitoring
Project Location :

Lot ID: 25106835
Date Received : Nov 25, 2025
Date Reported : Nov 28, 2025
Report Number: 3455467-1

Page 4 of 4

Sample Number 25106835-4
Parameter Heat Stress (Sampling Time : 09.00 AM - 11.00 PM)
Measurement Date Nov 25, 2025
Measurement by Chaimongkol Saenmath
Location ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
พื้นที่ทำไสแบบ Shell core รง.2 (H2)	120	26.1	22.9	33.6	33.4
Average (WBGT)		26.1			
Guideline WBGT (°C)		32.0			

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


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Section Head

Approved by


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ภาคผนวก ค-6

คุณภาพอากาศในสถานประกอบการ

ANALYSIS REPORT

CUSTOMER NAME : KIRIU (THAILAND) CO.,LTD
ADDRESS : 300/37 TA SIT PLUAK DAENG RAYONG 21140
CONTACT INFORMATION : TEL : 08 5024 0558 e-mail : k-supapan@kiriuthailand.com
SAMPLING SOURCE : พื้นที่เดาหลอมโรงงาน 1 (D1)
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : AUGUST 7, 2025
SAMPLING TIME : 08:30-12:30 HOUR
SAMPLING BY : MR BOONYARIT KONSIN
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : AUGUST 8, 2025
ANALYTICAL DATE : AUGUST 8-13, 2025
ISSUE DATE : AUGUST 14, 2025
REPORT NO. : 2025-U073036
WORK NO. : 2024-011282
ANALYSIS NO. : T25AR287-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			พื้นที่เดาหลอมโรงงาน 1 (D1) T25AR287-0001
SILICA (QUARTZ)	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : KIRIU (THAILAND) CO.,LTD
ADDRESS : 300/37 TA SIT PLUAK DAENG RAYONG 21140
CONTACT INFORMATION : TEL : 08 5024 0558 e-mail : k-supapan@kiriuthailand.com
SAMPLING SOURCE : พื้นที่เดาหลอมโรงงาน 1 (D1)
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : AUGUST 7, 2025
SAMPLING TIME : 08:31-12:31 HOUR
SAMPLING BY : MR BOONYARIT KONSIN
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : AUGUST 8, 2025
ANALYTICAL DATE : AUGUST 8-13, 2025
ISSUE DATE : AUGUST 14, 2025
REPORT NO. : 2025-U073037
WORK NO. : 2024-011282
ANALYSIS NO. : T25AR287-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			พื้นที่เดาหลอมโรงงาน 1 (D1) (คุณปิล ดำรงค์) T25AR287-0002
SILICA (QUARTZ)	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : KIRIU (THAILAND) CO.,LTD
ADDRESS : 300/37 TA SIT PLUAK DAENG RAYONG 21140
CONTACT INFORMATION : TEL : 08 5024 0558 e-mail : k-supapan@kiriuthailand.com
SAMPLING SOURCE : พื้นที่เดาหลอมโรงงาน 2 (D2)
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : AUGUST 7, 2025
SAMPLING TIME : 08:34-12:34 HOUR
SAMPLING BY : MR BOONYARIT KONSIN
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : AUGUST 8, 2025
ANALYTICAL DATE : AUGUST 8-13, 2025
ISSUE DATE : AUGUST 14, 2025
REPORT NO. : 2025-U073038
WORK NO. : 2024-011282
ANALYSIS NO. : T25AR287-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			พื้นที่เดาหลอมโรงงาน 2 (D2) T25AR287-0003
SILICA (QUARTZ)	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : KIRIU (THAILAND) CO.,LTD
ADDRESS : 300/37 TA SIT PLUAK DAENG RAYONG 21140
CONTACT INFORMATION : TEL : 08 5024 0558 e-mail : k-supapan@kiriuthailand.com
SAMPLING SOURCE : พื้นที่เดาหลอมโรงงาน 2 (D2)
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : AUGUST 7, 2025
SAMPLING TIME : 08:35-12:35 HOUR
SAMPLING BY : MR BOONYARIT KONSIN
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : AUGUST 8, 2025
ANALYTICAL DATE : AUGUST 8-13, 2025
ISSUE DATE : AUGUST 14, 2025
REPORT NO. : 2025-U073039
WORK NO. : 2024-011282
ANALYSIS NO. : T25AR287-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			พื้นที่เดาหลอมโรงงาน 2 (D2) (คนบุกเป็น บัวพิกุล) T25AR287-0004
SILICA (QUARTZ)	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : KIRIU (THAILAND) CO.,LTD
ADDRESS : 300/37 TA SIT PLUAK DAENG RAYONG 21140
CONTACT INFORMATION : TEL : 08 5024 0558 e-mail : k-supapan@kiriuthailand.com
SAMPLING SOURCE : พื้นที่เตรียมแบบทรายโรงงาน 1 (D5)
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : AUGUST 7, 2025
SAMPLING TIME : 08:40-12:40 HOUR
SAMPLING BY : MR BOONYARIT KONSIN
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : AUGUST 8, 2025
ANALYTICAL DATE : AUGUST 8-13, 2025
ISSUE DATE : AUGUST 14, 2025
REPORT NO. : 2025-U073040
WORK NO. : 2024-011282
ANALYSIS NO. : T25AR287-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			พื้นที่เตรียมแบบทรายโรงงาน 1 (D5) T25AR287-0005
SILICA (QUARTZ)	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : KIRIU (THAILAND) CO.,LTD
ADDRESS : 300/37 TA SIT PLUAK DAENG RAYONG 21140
CONTACT INFORMATION : TEL : 08 5024 0558 e-mail : k-supapan@kiriuthailand.com
SAMPLING SOURCE : พื้นที่เตรียมแบบทรายโรงงาน 1 (D5)
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : AUGUST 7, 2025
SAMPLING TIME : 08:41-12:41 HOUR
SAMPLING BY : MR BOONYARIT KONSIN
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : AUGUST 8, 2025
ANALYTICAL DATE : AUGUST 8-13, 2025
ISSUE DATE : AUGUST 14, 2025
REPORT NO. : 2025-U073041
WORK NO. : 2024-011282
ANALYSIS NO. : T25AR287-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			พื้นที่เตรียมแบบทรายโรงงาน 1 (D5) (คุณเฉลิมชาติ จิตธรรมา) T25AR287-0006
SILICA (QUARTZ)	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : KIRIU (THAILAND) CO.,LTD
ADDRESS : 300/37 TA SIT PLUAK DAENG RAYONG 21140
CONTACT INFORMATION : TEL : 08 5024 0558 e-mail : k-supapan@kiriuthailand.com
SAMPLING SOURCE : พื้นที่เตรียมแบบทรายโรงงาน 2 (D6)
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : AUGUST 7, 2025
SAMPLING TIME : 08:45-12:45 HOUR
SAMPLING BY : MR BOONYARIT KONSIN
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : AUGUST 8, 2025
ANALYTICAL DATE : AUGUST 8-13, 2025
ISSUE DATE : AUGUST 14, 2025
REPORT NO. : 2025-U073042
WORK NO. : 2024-011282
ANALYSIS NO. : T25AR287-0007

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			พื้นที่เตรียมแบบทรายโรงงาน 2 (D6) T25AR287-0007
SILICA (QUARTZ)	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : KIRIU (THAILAND) CO.,LTD
ADDRESS : 300/37 TA SIT PLUAK DAENG RAYONG 21140
CONTACT INFORMATION : TEL : 08 5024 0558 e-mail : k-supapan@kiriuthailand.com
SAMPLING SOURCE : พื้นที่เตรียมแบบทรายโรงงาน 2 (D6)
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : AUGUST 7, 2025
SAMPLING TIME : 08:46-12:46 HOUR
SAMPLING BY : MR BOONYARIT KONSIN
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : AUGUST 8, 2025
ANALYTICAL DATE : AUGUST 8-13, 2025
ISSUE DATE : AUGUST 14, 2025
REPORT NO. : 2025-U073043
WORK NO. : 2024-011282
ANALYSIS NO. : T25AR287-0008

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			พื้นที่เตรียมแบบทรายโรงงาน 2 (D6) (คุณสมบัติ ทรายทอง) T25AR287-0008
SILICA (QUARTZ)	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : KIRIU (THAILAND) CO.,LTD
ADDRESS : 300/37 TA SIT PLUAK DAENG RAYONG 21140
CONTACT INFORMATION : TEL : 08 5024 0558 e-mail : k-supapan@kiriuthailand.com
SAMPLING SOURCE : พื้นที่เคาะแบบชิ้นงานโรงงาน 1 (D3)
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : AUGUST 7, 2025
SAMPLING TIME : 08:50-12:50 HOUR
SAMPLING BY : MR BOONYARIT KONSIN
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : AUGUST 8, 2025
ANALYTICAL DATE : AUGUST 8-13, 2025
ISSUE DATE : AUGUST 14, 2025
REPORT NO. : 2025-U073044
WORK NO. : 2024-011282
ANALYSIS NO. : T25AR287-0009

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			พื้นที่เคาะแบบชิ้นงานโรงงาน 1 (D3) T25AR287-0009
SILICA (QUARTZ)	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : KIRIU (THAILAND) CO.,LTD
ADDRESS : 300/37 TA SIT PLUAK DAENG RAYONG 21140
CONTACT INFORMATION : TEL : 08 5024 0558 e-mail : k-supapan@kiriuthailand.com
SAMPLING SOURCE : พื้นที่เคาะแบบชิ้นงานโรงงาน 1 (D3)
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : AUGUST 7, 2025
SAMPLING TIME : 08:51-12:51 HOUR
SAMPLING BY : MR BOONYARIT KONSIN
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : AUGUST 8, 2025
ANALYTICAL DATE : AUGUST 8-13, 2025
ISSUE DATE : AUGUST 14, 2025
REPORT NO. : 2025-U073045
WORK NO. : 2024-011282
ANALYSIS NO. : T25AR287-0010

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			พื้นที่เคาะแบบชิ้นงานโรงงาน 1 (D3) (คุณวิทย์ กายสิทธิ์) T25AR287-0010
SILICA (QUARTZ)	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : KIRIU (THAILAND) CO.,LTD
ADDRESS : 300/37 TA SIT PLUAK DAENG RAYONG 21140
CONTACT INFORMATION : TEL : 08 5024 0558 e-mail : k-supapan@kiriuthailand.com
SAMPLING SOURCE : พื้นที่เคาะแบบชิ้นงานโรงงาน 2 (D4)
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : AUGUST 7, 2025
SAMPLING TIME : 09:00-13:00 HOUR
SAMPLING BY : MR BOONYARIT KONSIN
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : AUGUST 8, 2025
ANALYTICAL DATE : AUGUST 8-13, 2025
ISSUE DATE : AUGUST 14, 2025
REPORT NO. : 2025-U073047
WORK NO. : 2024-011282
ANALYSIS NO. : T25AR287-0011

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			พื้นที่เคาะแบบชิ้นงานโรงงาน 2 (D4) T25AR287-0011
SILICA (QUARTZ)	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

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LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : KIRIU (THAILAND) CO.,LTD
ADDRESS : 300/37 TA SIT PLUAK DAENG RAYONG 21140
CONTACT INFORMATION : TEL : 08 5024 0558 e-mail : k-supapan@kiriuthailand.com
SAMPLING SOURCE : พื้นที่เคาะแบบชิ้นงานโรงงาน 2 (D4)
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : AUGUST 7, 2025
SAMPLING TIME : 09:01-13:01 HOUR
SAMPLING BY : MR BOONYARIT KONSIN
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : AUGUST 8, 2025
ANALYTICAL DATE : AUGUST 8-13, 2025
ISSUE DATE : AUGUST 14, 2025
REPORT NO. : 2025-U073048
WORK NO. : 2024-011282
ANALYSIS NO. : T25AR287-0012

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			พื้นที่เคาะแบบชิ้นงานโรงงาน 2 (D4) (คุณชูเกียรติ โกมินทร์) T25AR287-0012
SILICA (QUARTZ)	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

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LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME	: KIRIU (THAILAND) CO.,LTD	RECEIVED DATE	: AUGUST 8, 2025
ADDRESS	: 300/37 TA SIT PLUAK DAENG RAYONG 21140	ANALYTICAL DATE	: AUGUST 8-13, 2025
CONTACT INFORMATION	: TEL : 08 5024 0558 e-mail : k-supapan@kiriuthailand.com	ISSUE DATE	: AUGUST 14, 2025
SAMPLING SOURCE	: พื้นที่บริเวณ GRINDING (D7) (BARINDER)	REPORT NO.	: 2025-U073049
SAMPLE TYPE	: WORKPLACE	WORK NO.	: 2024-011282
SAMPLING DATE	: AUGUST 7, 2025	ANALYSIS NO.	: T25AR287-0013
SAMPLING TIME	: 13:30-17:30 HOUR		
SAMPLING BY	: MR BOONYARIT KONSIN		
ANALYZED BY	: MISS JETJARIN TUMSA-AT		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			พื้นที่บริเวณ GRINDING (D7) (BARINDER) T25AR287-0013
SILICA (QUARTZ)	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

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ANALYSIS REPORT

CUSTOMER NAME : KIRIU (THAILAND) CO.,LTD
ADDRESS : 300/37 TA SIT PLUAK DAENG RAYONG 21140
CONTACT INFORMATION : TEL : 08 5024 0558 e-mail : k-supapan@kiriuthailand.com
SAMPLING SOURCE : พื้นที่บริเวณ GRINDING (D7) (BARINDER)
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : AUGUST 7, 2025
SAMPLING TIME : 13:31-17:31 HOUR
SAMPLING BY : MR BOONYARIT KONSIN
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : AUGUST 8, 2025
ANALYTICAL DATE : AUGUST 8-13, 2025
ISSUE DATE : AUGUST 14, 2025
REPORT NO. : 2025-U073050
WORK NO. : 2024-011282
ANALYSIS NO. : T25AR287-0014

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			พื้นที่บริเวณ GRINDING (D7) (BARINDER) (คุณวิระยุทธ แสนกุล) T25AR287-0014
SILICA (QUARTZ)	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

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LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : KIRIU (THAILAND) CO.,LTD
ADDRESS : 300/37 TA SIT PLUAK DAENG RAYONG 21140
CONTACT INFORMATION : TEL : 08 5024 0558 e-mail : k-supapan@kiriuthailand.com
SAMPLING SOURCE : พื้นที่บริเวณ DRUMBLAST NO.1 (D8)
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : AUGUST 7, 2025
SAMPLING TIME : 13:34-17:34 HOUR
SAMPLING BY : MR BOONYARIT KONSIN
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : AUGUST 8, 2025
ANALYTICAL DATE : AUGUST 8-13, 2025
ISSUE DATE : AUGUST 14, 2025
REPORT NO. : 2025-U073051
WORK NO. : 2024-011282
ANALYSIS NO. : T25AR287-0015

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			พื้นที่บริเวณ DRUMBLAST NO.1 (D8) T25AR287-0015
SILICA (QUARTZ)	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

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LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : KIRIU (THAILAND) CO.,LTD
ADDRESS : 300/37 TA SIT PLUAK DAENG RAYONG 21140
CONTACT INFORMATION : TEL : 08 5024 0558 e-mail : k-supapan@kiriuthailand.com
SAMPLING SOURCE : พื้นที่บริเวณ DRUMBLAST NO.1 (D8)
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : AUGUST 7, 2025
SAMPLING TIME : 13:35-17:35 HOUR
SAMPLING BY : MR BOONYARIT KONSIN
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : AUGUST 8, 2025
ANALYTICAL DATE : AUGUST 8-13, 2025
ISSUE DATE : AUGUST 14, 2025
REPORT NO. : 2025-U073052
WORK NO. : 2024-011282
ANALYSIS NO. : T25AR287-0016

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			พื้นที่บริเวณ DRUMBLAST NO.1 (D8) (คุณวิเศษ บ่อมจินดา) T25AR287-0016
SILICA (QUARTZ)	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

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LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : KIRIU (THAILAND) CO.,LTD
ADDRESS : 300/37 TA SIT PLUAK DAENG RAYONG 21140
CONTACT INFORMATION : TEL : 08 5024 0558 e-mail : k-supapan@kiriuthailand.com
SAMPLING SOURCE : พื้นที่บริเวณ SHOT BLAST NO.1&2 (D9)
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : AUGUST 7, 2025
SAMPLING TIME : 13:37-17:37 HOUR
SAMPLING BY : MR BOONYARIT KONSIN
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : AUGUST 8, 2025
ANALYTICAL DATE : AUGUST 8-13, 2025
ISSUE DATE : AUGUST 14, 2025
REPORT NO. : 2025-U073053
WORK NO. : 2024-011282
ANALYSIS NO. : T25AR287-0017

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			พื้นที่บริเวณ SHOT BLAST NO.1&2 (D9) T25AR287-0017
SILICA (QUARTZ)	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : KIRIU (THAILAND) CO.,LTD
ADDRESS : 300/37 TA SIT PLUAK DAENG RAYONG 21140
CONTACT INFORMATION : TEL : 08 5024 0558 e-mail : k-supapan@kiriuthailand.com
SAMPLING SOURCE : พื้นที่บริเวณ SHOT BLAST NO.1&2 (D9)
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : AUGUST 7, 2025
SAMPLING TIME : 13:38-17:38 HOUR
SAMPLING BY : MR BOONYARIT KONSIN
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : AUGUST 8, 2025
ANALYTICAL DATE : AUGUST 8-13, 2025
ISSUE DATE : AUGUST 14, 2025
REPORT NO. : 2025-U073054
WORK NO. : 2024-011282
ANALYSIS NO. : T25AR287-0018

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			พื้นที่บริเวณ SHOT BLAST NO.1&2 (D9) (คุณภรณ์ นฤมล) T25AR287-0018
SILICA (QUARTZ)	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : KIRIU (THAILAND) CO.,LTD
ADDRESS : 300/37 TA SIT PLUAK DAENG RAYONG 21140
CONTACT INFORMATION : TEL : 08 5024 0558 e-mail : k-supapan@kiriuthailand.com
SAMPLING SOURCE : พื้นที่บริเวณ APRON FINISHING 1 (D10)
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : AUGUST 7, 2025
SAMPLING TIME : 13:40-17:40 HOUR
SAMPLING BY : MR BOONYARIT KONSIN
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : AUGUST 8, 2025
ANALYTICAL DATE : AUGUST 8-13, 2025
ISSUE DATE : AUGUST 14, 2025
REPORT NO. : 2025-U073055
WORK NO. : 2024-011282
ANALYSIS NO. : T25AR287-0019

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			พื้นที่บริเวณ APRON FINISHING 1 (D10) T25AR287-0019
SILICA (QUARTZ)	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME	: KIRIU (THAILAND) CO.,LTD	RECEIVED DATE	: AUGUST 8, 2025
ADDRESS	: 300/37 TA SIT PLUAK DAENG RAYONG 21140	ANALYTICAL DATE	: AUGUST 8-13, 2025
CONTACT INFORMATION	: TEL : 08 5024 0558 e-mail : k-supapan@kiriuthailand.com	ISSUE DATE	: AUGUST 14, 2025
SAMPLING SOURCE	: พื้นที่บริเวณ APRON FINISHING 1 (D10)	REPORT NO.	: 2025-U073056
SAMPLE TYPE	: WORKPLACE	WORK NO.	: 2024-011282
SAMPLING DATE	: AUGUST 7, 2025	ANALYSIS NO.	: T25AR287-0020
SAMPLING TIME	: 13:41-17:41 HOUR		
SAMPLING BY	: MR BOONYARIT KONSIN		
ANALYZED BY	: MISS JETJARIN TUMSA-AT		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			พื้นที่บริเวณ APRON FINISHING 1 (D10) (คุณอรทัย คำสะอึง) T25AR287-0020
SILICA (QUARTZ)	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓

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LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : KIRIU (THAILAND) CO.,LTD
ADDRESS : 300/37 TA SIT PLUAK DAENG RAYONG 21140
CONTACT INFORMATION : TEL : 08 5024 0558 e-mail : k-supapan@kiriuthailand.com
SAMPLING SOURCE : พื้นที่บริเวณ APRON FINISHING 2 (D11)
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : AUGUST 7, 2025
SAMPLING TIME : 13:45-17:45 HOUR
SAMPLING BY : MR BOONYARIT KONSIN
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : AUGUST 8, 2025
ANALYTICAL DATE : AUGUST 8-13, 2025
ISSUE DATE : AUGUST 14, 2025
REPORT NO. : 2025-U073057
WORK NO. : 2024-011282
ANALYSIS NO. : T25AR287-0021

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			พื้นที่บริเวณ APRON FINISHING 2 (D11) T25AR287-0021
SILICA (QUARTZ)	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : KIRIU (THAILAND) CO.,LTD
ADDRESS : 300/37 TA SIT PLUAK DAENG RAYONG 21140
CONTACT INFORMATION : TEL : 08 5024 0558 e-mail : k-supapan@kiriuthailand.com
SAMPLING SOURCE : พื้นที่บริเวณ APRON FINISHING 2 (D11)
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : AUGUST 7, 2025
SAMPLING TIME : 13:46-17:46 HOUR
SAMPLING BY : MR BOONYARIT KONSIN
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : AUGUST 8, 2025
ANALYTICAL DATE : AUGUST 8-13, 2025
ISSUE DATE : AUGUST 14, 2025
REPORT NO. : 2025-U073059
WORK NO. : 2024-011282
ANALYSIS NO. : T25AR287-0022

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			พื้นที่บริเวณ APRON FINISHING 2 (D11) (คุณวิทยา ดอนศรี) T25AR287-0022
SILICA (QUARTZ)	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

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ANALYSIS REPORT

CUSTOMER NAME	: KIRIU (THAILAND) CO.,LTD	RECEIVED DATE	: NOVEMBER 27, 2025
ADDRESS	: 300/37 TA SIT PLUAK DAENG RAYONG 21140	ANALYTICAL DATE	: NOVEMBER 27 - DECEMBER 2, 2025
CONTACT INFORMATION	: TEL : 08 5024 0558 e-mail : k-supapan@kiriuthailand.com	ISSUE DATE	: DECEMBER 4, 2025
SAMPLING SOURCE	: พื้นที่เดาหลอมโรงงาน 1 (D1)	REPORT NO.	: 2025-U110290
SAMPLE TYPE	: WORKPLACE	WORK NO.	: 2024-011282
SAMPLING DATE	: NOVEMBER 26, 2025	ANALYSIS NO.	: T25BA855-0001
SAMPLING TIME	: 08:30-12:30 HOUR		
SAMPLING BY	: MR BOONYARIT KONSIN		
ANALYZED BY	: MISS JETJARIN TUMSA-AT		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			พื้นที่เดาหลอมโรงงาน 1 (D1) T25BA855-0001
SILICA (QUARTZ)	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

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ANALYSIS REPORT

CUSTOMER NAME : KIRIU (THAILAND) CO.,LTD
ADDRESS : 300/37 TA SIT PLUAK DAENG RAYONG 21140
CONTACT INFORMATION : TEL : 08 5024 0558 e-mail : k-supapan@kiriuthailand.com
SAMPLING SOURCE : พื้นที่เดาหลอมโรงงาน 1 (D1)
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : NOVEMBER 26, 2025
SAMPLING TIME : 08:31-12:31 HOUR
SAMPLING BY : MR BOONYARIT KONSIN
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : NOVEMBER 27, 2025
ANALYTICAL DATE : NOVEMBER 27 - DECEMBER 2, 2025
ISSUE DATE : DECEMBER 4, 2025
REPORT NO. : 2025-U110291
WORK NO. : 2024-011282
ANALYSIS NO. : T25BA855-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			พื้นที่เดาหลอมโรงงาน 1 (D1) (คุณสุเทพ เข้าวัด) T25BA855-0002
SILICA (QUARTZ)	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : KIRIU (THAILAND) CO.,LTD
ADDRESS : 300/37 TA SIT PLUAK DAENG RAYONG 21140
CONTACT INFORMATION : TEL : 08 5024 0558 e-mail : k-supapan@kiriuthailand.com
SAMPLING SOURCE : พื้นที่เดาหลอมโรงงาน 2 (D2)
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : NOVEMBER 26, 2025
SAMPLING TIME : 08:34-12:34 HOUR
SAMPLING BY : MR BOONYARIT KONSIN
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : NOVEMBER 27, 2025
ANALYTICAL DATE : NOVEMBER 27 - DECEMBER 2, 2025
ISSUE DATE : DECEMBER 4, 2025
REPORT NO. : 2025-U110292
WORK NO. : 2024-011282
ANALYSIS NO. : T25BA855-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			พื้นที่เดาหลอมโรงงาน 2 (D2) T25BA855-0003
SILICA (QUARTZ)	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : KIRIU (THAILAND) CO.,LTD
ADDRESS : 300/37 TA SIT PLUAK DAENG RAYONG 21140
CONTACT INFORMATION : TEL : 08 5024 0558 e-mail : k-supapan@kiriuthailand.com
SAMPLING SOURCE : พื้นที่เดาหลอมโรงงาน 2 (D2)
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : NOVEMBER 26, 2025
SAMPLING TIME : 08:35-12:35 HOUR
SAMPLING BY : MR BOONYARIT KONSIN
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : NOVEMBER 27, 2025
ANALYTICAL DATE : NOVEMBER 27 - DECEMBER 2, 2025
ISSUE DATE : DECEMBER 4, 2025
REPORT NO. : 2025-U110294
WORK NO. : 2024-011282
ANALYSIS NO. : T25BA855-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			พื้นที่เดาหลอมโรงงาน 2 (D2) (คุณพัฒนาย จรรยา) T25BA855-0004
SILICA (QUARTZ)	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : KIRIU (THAILAND) CO.,LTD
ADDRESS : 300/37 TA SIT PLUAK DAENG RAYONG 21140
CONTACT INFORMATION : TEL : 08 5024 0558 e-mail : k-supapan@kiriuthailand.com
SAMPLING SOURCE : พื้นที่เตรียมแบบทรายโรงงาน 1 (D5)
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : NOVEMBER 26, 2025
SAMPLING TIME : 08:40-12:40 HOUR
SAMPLING BY : MR BOONYARIT KONSIN
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : NOVEMBER 27, 2025
ANALYTICAL DATE : NOVEMBER 27 - DECEMBER 2, 2025
ISSUE DATE : DECEMBER 4, 2025
REPORT NO. : 2025-U110296
WORK NO. : 2024-011282
ANALYSIS NO. : T25BA855-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			พื้นที่เตรียมแบบทรายโรงงาน 1 (D5) T25BA855-0005
SILICA (QUARTZ)	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : KIRIU (THAILAND) CO.,LTD
ADDRESS : 300/37 TA SIT PLUAK DAENG RAYONG 21140
CONTACT INFORMATION : TEL : 08 5024 0558 e-mail : k-supapan@kiriuthailand.com
SAMPLING SOURCE : พื้นที่เตรียมแบบทรายโรงงาน 1 (D5)
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : NOVEMBER 26, 2025
SAMPLING TIME : 08:41-12:41 HOUR
SAMPLING BY : MR BOONYARIT KONSIN
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : NOVEMBER 27, 2025
ANALYTICAL DATE : NOVEMBER 27 - DECEMBER 2, 2025
ISSUE DATE : DECEMBER 4, 2025
REPORT NO. : 2025-U110297
WORK NO. : 2024-011282
ANALYSIS NO. : T25BA855-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			พื้นที่เตรียมแบบทรายโรงงาน 1 (D5) (คุณวันชัย วงศ์เดช) T25BA855-0006
SILICA (QUARTZ)	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : KIRIU (THAILAND) CO.,LTD
ADDRESS : 300/37 TA SIT PLUAK DAENG RAYONG 21140
CONTACT INFORMATION : TEL : 08 5024 0558 e-mail : k-supapan@kiriuthailand.com
SAMPLING SOURCE : พื้นที่เตรียมแบบทรายโรงงาน 2 (D6)
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : NOVEMBER 26, 2025
SAMPLING TIME : 08:45-12:45 HOUR
SAMPLING BY : MR BOONYARIT KONSIN
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : NOVEMBER 27, 2025
ANALYTICAL DATE : NOVEMBER 27 - DECEMBER 2, 2025
ISSUE DATE : DECEMBER 4, 2025
REPORT NO. : 2025-U110298
WORK NO. : 2024-011282
ANALYSIS NO. : T25BA855-0007

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			พื้นที่เตรียมแบบทรายโรงงาน 2 (D6) T25BA855-0007
SILICA (QUARTZ)	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : KIRIU (THAILAND) CO.,LTD
ADDRESS : 300/37 TA SIT PLUAK DAENG RAYONG 21140
CONTACT INFORMATION : TEL : 08 5024 0558 e-mail : k-supapan@kiriuthailand.com
SAMPLING SOURCE : พื้นที่เตรียมแบบทรายโรงงาน 2 (D6)
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : NOVEMBER 26, 2025
SAMPLING TIME : 08:46-12:46 HOUR
SAMPLING BY : MR BOONYARIT KONSIN
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : NOVEMBER 27, 2025
ANALYTICAL DATE : NOVEMBER 27 - DECEMBER 2, 2025
ISSUE DATE : DECEMBER 4, 2025
REPORT NO. : 2025-U110300
WORK NO. : 2024-011282
ANALYSIS NO. : T25BA855-0008

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			พื้นที่เตรียมแบบทรายโรงงาน 2 (D6) (จุดเดิมกริช นฤพรอด) T25BA855-0008
SILICA (QUARTZ)	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : KIRIU (THAILAND) CO.,LTD
ADDRESS : 300/37 TA SIT PLUAK DAENG RAYONG 21140
CONTACT INFORMATION : TEL : 08 5024 0558 e-mail : k-supapan@kiriuthailand.com
SAMPLING SOURCE : พื้นที่เคาะแบบชิ้นงานโรงงาน 1 (D3)
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : NOVEMBER 26, 2025
SAMPLING TIME : 08:50-12:50 HOUR
SAMPLING BY : MR BOONYARIT KONSIN
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : NOVEMBER 27, 2025
ANALYTICAL DATE : NOVEMBER 27 - DECEMBER 2, 2025
ISSUE DATE : DECEMBER 4, 2025
REPORT NO. : 2025-U110302
WORK NO. : 2024-011282
ANALYSIS NO. : T25BA855-0009

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			พื้นที่เคาะแบบชิ้นงานโรงงาน 1 (D3) T25BA855-0009
SILICA (QUARTZ)	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : KIRIU (THAILAND) CO.,LTD
ADDRESS : 300/37 TA SIT PLUAK DAENG RAYONG 21140
CONTACT INFORMATION : TEL : 08 5024 0558 e-mail : k-supapan@kiriuthailand.com
SAMPLING SOURCE : พื้นที่เคาะแบบชิ้นงานโรงงาน 1 (D3)
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : NOVEMBER 26, 2025
SAMPLING TIME : 08:51-12:51 HOUR
SAMPLING BY : MR BOONYARIT KONSIN
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : NOVEMBER 27, 2025
ANALYTICAL DATE : NOVEMBER 27 - DECEMBER 2, 2025
ISSUE DATE : DECEMBER 4, 2025
REPORT NO. : 2025-U110303
WORK NO. : 2024-011282
ANALYSIS NO. : T25BA855-0010

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			พื้นที่เคาะแบบชิ้นงานโรงงาน 1 (D3) (คุณสิทธิชัย แก้วโพนาร) T25BA855-0010
SILICA (QUARTZ)	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : KIRIU (THAILAND) CO.,LTD
ADDRESS : 300/37 TA SIT PLUAK DAENG RAYONG 21140
CONTACT INFORMATION : TEL : 08 5024 0558 e-mail : k-supapan@kiriuthailand.com
SAMPLING SOURCE : พื้นที่เคาะแบบชิ้นงานโรงงาน 2 (D4)
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : NOVEMBER 26, 2025
SAMPLING TIME : 09:00-13:00 HOUR
SAMPLING BY : MR BOONYARIT KONSIN
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : NOVEMBER 27, 2025
ANALYTICAL DATE : NOVEMBER 27 - DECEMBER 2, 2025
ISSUE DATE : DECEMBER 4, 2025
REPORT NO. : 2025-U110305
WORK NO. : 2024-011282
ANALYSIS NO. : T25BA855-0011

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			พื้นที่เคาะแบบชิ้นงานโรงงาน 2 (D4) T25BA855-0011
SILICA (QUARTZ)	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : KIRIU (THAILAND) CO.,LTD
ADDRESS : 300/37 TA SIT PLUAK DAENG RAYONG 21140
CONTACT INFORMATION : TEL : 08 5024 0558 e-mail : k-supapan@kiriuthailand.com
SAMPLING SOURCE : พื้นที่เคาะแบบชิ้นงานโรงงาน 2 (D4)
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : NOVEMBER 26, 2025
SAMPLING TIME : 09:01-13:01 HOUR
SAMPLING BY : MR BOONYARIT KONSIN
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : NOVEMBER 27, 2025
ANALYTICAL DATE : NOVEMBER 27 - DECEMBER 2, 2025
ISSUE DATE : DECEMBER 4, 2025
REPORT NO. : 2025-U110307
WORK NO. : 2024-011282
ANALYSIS NO. : T25BA855-0012

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			พื้นที่เคาะแบบชิ้นงานโรงงาน 2 (D4) (คกเลาคุม หั่นทุน) T25BA855-0012
SILICA (QUARTZ)	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : KIRIU (THAILAND) CO.,LTD
ADDRESS : 300/37 TA SIT PLUAK DAENG RAYONG 21140
CONTACT INFORMATION : TEL : 08 5024 0558 e-mail : k-supapan@kiriuthailand.com
SAMPLING SOURCE : พื้นที่บริเวณ GRINDING (D7) (BARINDER)
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : NOVEMBER 26, 2025
SAMPLING TIME : 13:30-17:30 HOUR
SAMPLING BY : MR BOONYARIT KONSIN
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : NOVEMBER 27, 2025
ANALYTICAL DATE : NOVEMBER 27 - DECEMBER 2, 2025
ISSUE DATE : DECEMBER 4, 2025
REPORT NO. : 2025-U110309
WORK NO. : 2024-011282
ANALYSIS NO. : T25BA855-0013

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			พื้นที่บริเวณ GRINDING (D7) (BARINDER) T25BA855-0013
SILICA (QUARTZ)	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : KIRIU (THAILAND) CO.,LTD
ADDRESS : 300/37 TA SIT PLUAK DAENG RAYONG 21140
CONTACT INFORMATION : TEL : 08 5024 0558 e-mail : k-supapan@kiriuthailand.com
SAMPLING SOURCE : พื้นที่บริเวณ GRINDING (D7) (BARINDER)
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : NOVEMBER 26, 2025
SAMPLING TIME : 13:31-17:31 HOUR
SAMPLING BY : MR BOONYARIT KONSIN
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : NOVEMBER 27, 2025
ANALYTICAL DATE : NOVEMBER 27 - DECEMBER 2, 2025
ISSUE DATE : DECEMBER 4, 2025
REPORT NO. : 2025-U110310
WORK NO. : 2024-011282
ANALYSIS NO. : T25BA855-0014

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			พื้นที่บริเวณ GRINDING (D7) (BARINDER) (คุณรงค์ฤทธิ์ สำนัญใจ) T25BA855-0014
SILICA (QUARTZ)	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : KIRIU (THAILAND) CO.,LTD
ADDRESS : 300/37 TA SIT PLUAK DAENG RAYONG 21140
CONTACT INFORMATION : TEL : 08 5024 0558 e-mail : k-supapan@kiriuthailand.com
SAMPLING SOURCE : พื้นที่บริเวณ DRUMBLAST NO.1 (D8)
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : NOVEMBER 26, 2025
SAMPLING TIME : 13:34-17:34 HOUR
SAMPLING BY : MR BOONYARIT KONSIN
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : NOVEMBER 27, 2025
ANALYTICAL DATE : NOVEMBER 27 - DECEMBER 2, 2025
ISSUE DATE : DECEMBER 4, 2025
REPORT NO. : 2025-U110312
WORK NO. : 2024-011282
ANALYSIS NO. : T25BA855-0015

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			พื้นที่บริเวณ DRUMBLAST NO.1 (D8) T25BA855-0015
SILICA (QUARTZ)	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : KIRIU (THAILAND) CO.,LTD
ADDRESS : 300/37 TA SIT PLUAK DAENG RAYONG 21140
CONTACT INFORMATION : TEL : 08 5024 0558 e-mail : k-supapan@kiriuthailand.com
SAMPLING SOURCE : พื้นที่บริเวณ DRUMBLAST NO.1 (D8)
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : NOVEMBER 26, 2025
SAMPLING TIME : 13:35-17:35 HOUR
SAMPLING BY : MR BOONYARIT KONSIN
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : NOVEMBER 27, 2025
ANALYTICAL DATE : NOVEMBER 27 - DECEMBER 2, 2025
ISSUE DATE : DECEMBER 4, 2025
REPORT NO. : 2025-U110314
WORK NO. : 2024-011282
ANALYSIS NO. : T25BA855-0016

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			พื้นที่บริเวณ DRUMBLAST NO.1 (D8) (คุณสุวิทย์ ไกยสิทธิ์) T25BA855-0016
SILICA (QUARTZ)	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME	: KIRIU (THAILAND) CO.,LTD	RECEIVED DATE	: NOVEMBER 27, 2025
ADDRESS	: 300/37 TA SIT PLUAK DAENG RAYONG 21140	ANALYTICAL DATE	: NOVEMBER 27 - DECEMBER 2, 2025
CONTACT INFORMATION	: TEL : 08 5024 0558 e-mail : k-supapan@kiriuthailand.com	ISSUE DATE	: DECEMBER 4, 2025
SAMPLING SOURCE	: พื้นที่บริเวณ SHOT BLAST NO.1&2 (D9)	REPORT NO.	: 2025-U110316
SAMPLE TYPE	: WORKPLACE	WORK NO.	: 2024-011282
SAMPLING DATE	: NOVEMBER 26, 2025	ANALYSIS NO.	: T25BA855-0017
SAMPLING TIME	: 13:37-17:37 HOUR		
SAMPLING BY	: MR BOONYARIT KONSIN		
ANALYZED BY	: MISS JETJARIN TUMSA-AT		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			พื้นที่บริเวณ SHOT BLAST NO.1&2 (D9) T25BA855-0017
SILICA (QUARTZ)	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : KIRIU (THAILAND) CO.,LTD
ADDRESS : 300/37 TA SIT PLUAK DAENG RAYONG 21140
CONTACT INFORMATION : TEL : 08 5024 0558 e-mail : k-supapan@kiriuthailand.com
SAMPLING SOURCE : พื้นที่บริเวณ SHOT BLAST NO.1&2 (D9)
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : NOVEMBER 26, 2025
SAMPLING TIME : 13:38-17:38 HOUR
SAMPLING BY : MR BOONYARIT KONSIN
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : NOVEMBER 27, 2025
ANALYTICAL DATE : NOVEMBER 27 - DECEMBER 2, 2025
ISSUE DATE : DECEMBER 4, 2025
REPORT NO. : 2025-U110319
WORK NO. : 2024-011282
ANALYSIS NO. : T25BA855-0018

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			พื้นที่บริเวณ SHOT BLAST NO.1&2 (D9) (คุณอนุพล สำมสม) T25BA855-0018
SILICA (QUARTZ)	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : KIRIU (THAILAND) CO.,LTD
ADDRESS : 300/37 TA SIT PLUAK DAENG RAYONG 21140
CONTACT INFORMATION : TEL : 08 5024 0558 e-mail : k-supapan@kiriuthailand.com
SAMPLING SOURCE : พื้นที่บริเวณ APRON FINISHING 1 (D10)
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : NOVEMBER 26, 2025
SAMPLING TIME : 13:40-17:40 HOUR
SAMPLING BY : MR BOONYARIT KONSIN
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : NOVEMBER 27, 2025
ANALYTICAL DATE : NOVEMBER 27 - DECEMBER 2, 2025
ISSUE DATE : DECEMBER 4, 2025
REPORT NO. : 2025-U110321
WORK NO. : 2024-011282
ANALYSIS NO. : T25BA855-0019

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			พื้นที่บริเวณ APRON FINISHING 1 (D10) T25BA855-0019
SILICA (QUARTZ)	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : KIRIU (THAILAND) CO.,LTD
ADDRESS : 300/37 TA SIT PLUAK DAENG RAYONG 21140
CONTACT INFORMATION : TEL : 08 5024 0558 e-mail : k-supapan@kiriuthailand.com
SAMPLING SOURCE : พื้นที่บริเวณ APRON FINISHING 1 (D10)
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : NOVEMBER 26, 2025
SAMPLING TIME : 13:41-17:41 HOUR
SAMPLING BY : MR BOONYARIT KONSIN
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : NOVEMBER 27, 2025
ANALYTICAL DATE : NOVEMBER 27 - DECEMBER 2, 2025
ISSUE DATE : DECEMBER 4, 2025
REPORT NO. : 2025-U110322
WORK NO. : 2024-011282
ANALYSIS NO. : T25BA855-0020

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			พื้นที่บริเวณ APRON FINISHING 1 (D10) (คุณชัยชนะ พาลจันทร์) T25BA855-0020
SILICA (QUARTZ)	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : KIRIU (THAILAND) CO.,LTD
ADDRESS : 300/37 TA SIT PLUAK DAENG RAYONG 21140
CONTACT INFORMATION : TEL : 08 5024 0558 e-mail : k-supapan@kiriuthailand.com
SAMPLING SOURCE : พื้นที่บริเวณ APRON FINISHING 2 (D11)
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : NOVEMBER 26, 2025
SAMPLING TIME : 13:45-17:45 HOUR
SAMPLING BY : MR BOONYARIT KONSIN
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : NOVEMBER 27, 2025
ANALYTICAL DATE : NOVEMBER 27 - DECEMBER 2, 2025
ISSUE DATE : DECEMBER 4, 2025
REPORT NO. : 2025-U110324
WORK NO. : 2024-011282
ANALYSIS NO. : T25BA855-0021

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			พื้นที่บริเวณ APRON FINISHING 2 (D11) T25BA855-0021
SILICA (QUARTZ)	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME	: KIRIU (THAILAND) CO.,LTD	RECEIVED DATE	: NOVEMBER 27, 2025
ADDRESS	: 300/37 TA SIT PLUAK DAENG RAYONG 21140	ANALYTICAL DATE	: NOVEMBER 27 - DECEMBER 2, 2025
CONTACT INFORMATION	: TEL : 08 5024 0558 e-mail : k-supapan@kiriuthailand.com	ISSUE DATE	: DECEMBER 4, 2025
SAMPLING SOURCE	: พื้นที่บริเวณ APRON FINISHING 2 (D11)	REPORT NO.	: 2025-U110325
SAMPLE TYPE	: WORKPLACE	WORK NO.	: 2024-011282
SAMPLING DATE	: NOVEMBER 26, 2025	ANALYSIS NO.	: T25BA855-0022
SAMPLING TIME	: 13:46-17:46 HOUR		
SAMPLING BY	: MR BOONYARIT KONSIN		
ANALYZED BY	: MISS JETJARIN TUMSA-AT		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			พื้นที่บริเวณ APRON FINISHING 2 (D11) (คุณชูเกียรติ โกมินทร์) T25BA855-0022
SILICA (QUARTZ)	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ภาคผนวก ค-7

ระดับเสียงในสถานที่ทำงาน



Analysis / Test Report

Client : Kiriu (Thailand) Co., Ltd.
300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140

P/O : PO241110529

Project Name : Monitoring

Project Location :

Lot ID: 2579737

Date Received : Aug 27, 2025

Date Reported : Sep 01, 2025

Report Number: 3395731-1

Page 1 of 1

Sample Number 2579737-1
Parameter Noise (Leq 8 hrs.)
Location พื้นที่เดาหลอม รง.1 (N3)
Measurement Date Aug 26, 2025
Measurement by Amnat Wongsakhen

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:53 AM - 09:53 AM	85.2	102.8	77.5
09:53 AM - 10:53 AM	87.4	103.8	78.9
10:53 AM - 11:53 AM	87.3	105.3	76.7
11:53 AM - 12:53 PM	81.5	96.7	75.8
12:53 PM - 01:53 PM	87.6	103.6	80.0
01:53 PM - 02:53 PM	86.6	104.2	78.3
02:53 PM - 03:53 PM	82.8	95.9	77.5
03:53 PM - 04:53 PM	87.8	103.8	80.1

Leq Average 8 hrs. (dB(A))

86.3

Lmax (dB(A))

105.3

Standard (dB(A))

90

140

Reference Method : ISO 1996-1 : 2016

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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Technical Management

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Chonticha Subongkoch
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P/O : PO241110529
Project Name : Monitoring
Project Location :

Lot ID: 2579737

Date Received : Aug 27, 2025
Date Reported : Sep 01, 2025
Report Number: 3395732-1

Page 1 of 1

Sample Number 2579737-2
Parameter Noise (Leq 8 hrs.)
Location พื้นที่เดาหลอม รง.2 (N4)
Measurement Date Aug 26, 2025
Measurement by Amnat Wongsakhen

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:50 AM - 09:50 AM	89.7	108.4	81.7
09:50 AM - 10:50 AM	86.3	107.6	80.3
10:50 AM - 11:50 AM	88.3	109.4	80.4
11:50 AM - 12:50 PM	88.0	108.0	81.1
12:50 PM - 01:50 PM	87.0	108.4	80.8
01:50 PM - 02:50 PM	88.3	107.7	82.0
02:50 PM - 03:50 PM	86.8	102.7	81.2
03:50 PM - 04:50 PM	89.7	109.2	82.8

Leq Average 8 hrs. (dB(A))

88.2

Lmax (dB(A))

109.4

Standard (dB(A))

90

140

Reference Method : ISO 1996-1 : 2016

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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P/O : PO241110529
Project Name : Monitoring
Project Location :

Lot ID: 2579737

Date Received : Aug 27, 2025
Date Reported : Sep 01, 2025
Report Number: 3395733-1

Page 1 of 1

Sample Number 2579737-3
Parameter Noise (Leq 8 hrs.)
Location พื้นที่ผสมทราย รง.1 (N1)
Measurement Date Aug 26, 2025
Measurement by Amnat Wongsakhen

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:56 AM - 09:56 AM	83.6	92.5	80.4
09:56 AM - 10:56 AM	84.4	93.3	80.5
10:56 AM - 11:56 AM	83.6	94.4	79.5
11:56 AM - 12:56 PM	83.3	92.2	80.6
12:56 PM - 01:56 PM	84.4	92.3	81.5
01:56 PM - 02:56 PM	85.3	109.8	81.2
02:56 PM - 03:56 PM	83.5	93.2	79.8
03:56 PM - 04:56 PM	83.5	92.4	80.8

Leq Average 8 hrs. (dB(A)) 84.0
Lmax (dB(A)) 109.8
Standard (dB(A)) 90
Reference Method : ISO 1996-1 : 2016
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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P/O : PO241110529
Project Name : Monitoring
Project Location :

Lot ID: 2579737

Date Received : Aug 27, 2025
Date Reported : Sep 01, 2025
Report Number: 3395734-1

Page 1 of 1

Sample Number 2579737-4
Parameter Noise (Leq 8 hrs.)
Location พื้นที่ผสมทราย รง.2 (N2)
Measurement Date Aug 26, 2025
Measurement by Amnat Wongsakhen

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:05 AM - 10:05 AM	83.7	92.4	81.7
10:05 AM - 11:05 AM	83.0	91.0	81.4
11:05 AM - 12:05 PM	83.0	91.6	81.1
12:05 PM - 01:05 PM	83.0	93.9	81.2
01:05 PM - 02:05 PM	82.7	90.1	81.0
02:05 PM - 03:05 PM	83.5	92.4	80.8
03:05 PM - 04:05 PM	83.0	91.0	81.2
04:05 PM - 05:05 PM	83.4	92.4	80.2

Leq Average 8 hrs. (dB(A)) 83.2
Lmax (dB(A)) 93.9
Standard (dB(A)) 90
Reference Method : ISO 1996-1 : 2016
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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Project Name : Monitoring
Project Location :

Lot ID: 2579737

Date Received : Aug 27, 2025

Date Reported : Sep 01, 2025

Report Number: 3395735-1

Page 1 of 1

Sample Number 2579737-5
Parameter Noise (Leq 8 hrs.)
Location พื้นที่เคาะแบบขึ้นงาน รง.1 (N5)
Measurement Date Aug 26, 2025
Measurement by Amnat Wongsakhen

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:05 AM - 10:05 AM	88.8	98.5	77.5
10:05 AM - 11:05 AM	89.3	106.1	85.6
11:05 AM - 12:05 PM	87.0	102.4	78.5
12:05 PM - 01:05 PM	89.3	103.3	86.8
01:05 PM - 02:05 PM	89.2	100.3	87.5
02:05 PM - 03:05 PM	88.7	99.2	80.1
03:05 PM - 04:05 PM	88.9	99.5	87.6
04:05 PM - 05:05 PM	89.0	100.1	87.3

Leq Average 8 hrs. (dB(A))

88.8

Lmax (dB(A))

106.1

Standard (dB(A))

90

140

Reference Method : ISO 1996-1 : 2016

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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P/O : PO241110529
Project Name : Monitoring
Project Location :

Lot ID: 2579737

Date Received : Aug 27, 2025
Date Reported : Sep 01, 2025
Report Number: 3395736-1

Page 1 of 1

Sample Number 2579737-6
Parameter Noise (Leq 8 hrs.)
Location นทีเคาะแบบขึ้นงาน รง.2 (N6)
Measurement Date Aug 26, 2025
Measurement by Amnat Wongsakhen

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:18 AM - 10:18 AM	85.8	100.5	83.7
10:18 AM - 11:18 AM	84.9	98.5	82.5
11:18 AM - 12:18 PM	86.0	102.0	82.7
12:18 PM - 01:18 PM	86.5	103.9	82.7
01:18 PM - 02:18 PM	85.2	97.1	83.0
02:18 PM - 03:18 PM	83.6	96.6	77.7
03:18 PM - 04:18 PM	85.2	98.5	83.1
04:18 PM - 05:18 PM	86.0	100.7	83.9

Leq Average 8 hrs. (dB(A))

85.5

Lmax (dB(A))

103.9

Standard (dB(A))

90

140

Reference Method : ISO 1996-1 : 2016

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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P/O : PO241110529
Project Name : Monitoring
Project Location :

Lot ID: 25106836

Date Received : Nov 25, 2025
Date Reported : Dec 01, 2025
Report Number: 3462096-1

Page 1 of 1

Sample Number 25106836-1
Parameter Noise (Leq 8 hrs.)
Location พื้นที่เดาหลอม รง.1 (N3)
Measurement Date Nov 25, 2025
Measurement by Chaimongkol Saenmath

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:53 AM - 09:53 AM	87.3	108.5	78.6
09:53 AM - 10:53 AM	86.9	104.9	82.3
10:53 AM - 11:53 AM	84.8	100.3	77.9
11:53 AM - 12:53 PM	87.6	109.6	80.9
12:53 PM - 01:53 PM	86.7	106.1	81.2
01:53 PM - 02:53 PM	85.4	107.1	76.8
02:53 PM - 03:53 PM	87.3	107.6	83.0
03:53 PM - 04:53 PM	86.1	101.6	79.2

Leq Average 8 hrs. (dB(A))

86.6

Lmax (dB(A))

109.6

Standard (dB(A))

90

140

Reference Method : ISO 1996-1 : 2016

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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P/O : PO241110529
Project Name : Monitoring
Project Location :

Lot ID: 25106836

Date Received : Nov 25, 2025
Date Reported : Dec 01, 2025
Report Number: 3462097-1

Page 1 of 1

Sample Number 25106836-2
Parameter Noise (Leq 8 hrs.)
Location พื้นที่เดาหลอม รง.2 (N4)
Measurement Date Nov 25, 2025
Measurement by Chaimongkol Saenmath

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:56 AM - 09:56 AM	87.1	108.3	78.4
09:56 AM - 10:56 AM	83.5	101.5	78.9
10:56 AM - 11:56 AM	84.9	100.4	78.0
11:56 AM - 12:56 PM	86.5	108.5	79.8
12:56 PM - 01:56 PM	84.5	103.9	79.0
01:56 PM - 02:56 PM	86.0	107.7	77.4
02:56 PM - 03:56 PM	85.5	105.8	81.2
03:56 PM - 04:56 PM	83.9	99.4	77.0

Leq Average 8 hrs. (dB(A))

85.4

Lmax (dB(A))

108.5

Standard (dB(A))

90

140

Reference Method : ISO 1996-1 : 2016

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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P/O : PO241110529
Project Name : Monitoring
Project Location :

Lot ID: 25106836

Date Received : Nov 25, 2025
Date Reported : Dec 01, 2025
Report Number: 3462098-1

Page 1 of 1

Sample Number 25106836-3
Parameter Noise (Leq 8 hrs.)
Location พื้นที่ผสมทราย รง.1 (N1)
Measurement Date Nov 25, 2025
Measurement by Chaimongkol Saenmath

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:43 AM - 09:43 AM	83.5	91.0	80.6
09:43 AM - 10:43 AM	83.1	91.9	79.5
10:43 AM - 11:43 AM	82.5	100.3	78.4
11:43 AM - 12:43 PM	82.9	97.6	78.3
12:43 PM - 01:43 PM	83.1	96.5	80.1
01:43 PM - 02:43 PM	83.2	90.4	80.6
02:43 PM - 03:43 PM	82.8	96.2	80.2
03:43 PM - 04:43 PM	83.4	92.2	79.8

Leq Average 8 hrs. (dB(A))

83.1

Lmax (dB(A))

100.3

Standard (dB(A))

90

140

Reference Method : ISO 1996-1 : 2016

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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P/O : PO241110529

Project Name : Monitoring

Project Location :

Lot ID: 25106836

Date Received : Nov 25, 2025

Date Reported : Dec 01, 2025

Report Number: 3462099-1

Page 1 of 1

Sample Number 25106836-4
Parameter Noise (Leq 8 hrs.)
Location พื้นที่ผสมทราย รง.2 (N2)
Measurement Date Nov 25, 2025
Measurement by Chaimongkol Saenmath

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:01 AM - 10:01 AM	83.2	91.4	81.3
10:01 AM - 11:01 AM	82.3	92.3	79.0
11:01 AM - 12:01 PM	82.8	91.3	80.5
12:01 PM - 01:01 PM	83.5	91.9	80.5
01:01 PM - 02:01 PM	82.1	91.1	79.6
02:01 PM - 03:01 PM	83.2	91.5	81.1
03:01 PM - 04:01 PM	83.2	91.8	80.8
04:01 PM - 05:01 PM	82.5	91.5	80.0

Leq Average 8 hrs. (dB(A))

82.9

Lmax (dB(A))

92.3

Standard (dB(A))

90

140

Reference Method : ISO 1996-1 : 2016

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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Technical Management

Chontichak

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Approved by

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Analysis / Test Report

Client : Kiriu (Thailand) Co., Ltd.
300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140

P/O : PO241110529

Project Name : Monitoring

Project Location :

Lot ID: 25106836

Date Received : Nov 25, 2025

Date Reported : Dec 01, 2025

Report Number: 3462100-1

Page 1 of 1

Sample Number 25106836-5
Parameter Noise (Leq 8 hrs.)
Location พื้นที่เคาะแบบขึ้นงาน รง.1 (N5)
Measurement Date Nov 25, 2025
Measurement by Chaimongkol Saenmath

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:43 AM - 09:43 AM	89.5	97.6	88.0
09:43 AM - 10:43 AM	89.2	98.9	79.5
10:43 AM - 11:43 AM	86.5	103.3	77.9
11:43 AM - 12:43 PM	88.0	97.0	78.7
12:43 PM - 01:43 PM	89.8	97.3	88.1
01:43 PM - 02:43 PM	90.8	100.1	89.1
02:43 PM - 03:43 PM	89.5	103.9	79.2
03:43 PM - 04:43 PM	91.4	100.7	89.7

Leq Average 8 hrs. (dB(A))

89.6

Lmax (dB(A))

103.9

Standard (dB(A))

90

140

Reference Method : ISO 1996-1 : 2016

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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Analysis / Test Report

Client : Kiriu (Thailand) Co., Ltd.
300/37 Moo 1, T.Thasit, A.Pluakdaeng, Rayong Thailand 21140
P/O : PO241110529
Project Name : Monitoring
Project Location :

Lot ID: 25106836

Date Received : Nov 25, 2025
Date Reported : Dec 01, 2025
Report Number: 3462101-1

Page 1 of 1

Sample Number 25106836-6
Parameter Noise (Leq 8 hrs.)
Location พื้นที่เคาะแบบขึ้นงาน รง.2 (N6)
Measurement Date Nov 25, 2025
Measurement by Chaimongkol Saenmath

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:04 AM - 10:04 AM	85.9	97.5	83.9
10:04 AM - 11:04 AM	84.2	96.7	81.5
11:04 AM - 12:04 PM	83.5	97.7	80.3
12:04 PM - 01:04 PM	85.9	103.6	82.2
01:04 PM - 02:04 PM	83.7	98.0	80.7
02:04 PM - 03:04 PM	85.0	99.7	82.4
03:04 PM - 04:04 PM	84.4	97.4	82.1
04:04 PM - 05:04 PM	85.0	98.0	82.7

Leq Average 8 hrs. (dB(A))

84.8

Lmax (dB(A))

103.6

Standard (dB(A))

90

140

Reference Method : ISO 1996-1 : 2016

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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