

เอกสารแนบ 30
หนังสือรับรองผลการตรวจวัดคุณภาพสิ่งแวดล้อม



Analysis / Test Report

Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :

Lot ID: 2641618
Date Received : May 27, 2026
Date Reported : Jun 06, 2026
Report Number : 3571426-1

TESTING
No.0009

Lot ID: 2641618
Date Received : May 27, 2026
Date Reported : Jun 06, 2026
Report Number : 3571426-1

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Sample Number 2641618-2
Sampled Date May 19, 2026
Sample Description Air Quality
Location Ban Dong Long
Date Analysis Commenced May 28, 2026
Condition of Sample Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one amber plastic bottle, refrigerated
Barometric Pressure 746 mmHg
Atmospheric Temperature 30.1 °C

Sample Number 2641618-1
Sampled Date May 18, 2026
Sample Description Air Quality
Location Ban Dong Long
Date Analysis Commenced May 28, 2026
Condition of Sample Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one amber plastic bottle, refrigerated
Barometric Pressure 746 mmHg
Atmospheric Temperature 32.4 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing	Hydrogen cyanide *	mg/m3	-	0.10	<0.10	No Standard	Based on NIOSH, P&CAM 116	-	Bangkok
	Total Suspended Particulate	ug/m3	-	5.0	25.5	200	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	NEB	Bangkok

Guideline :
NEB : Notification of the National Environmental Board., B.E.2569 (2026) dated January 21, 2026
Sampled By : Vanich Phanpitt

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

Scientist (4)

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Lot ID: 2641618
Date Received : May 27, 2026
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Report Number : 3571426-1

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Sample Number	2641618-4							
Sampled Date	May 21, 2026							
Sample Description	Air Quality							
Location	Ban Dong Long							
Date Analysis Commenced	May 28, 2026							
Condition of Sample	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one amber plastic bottle, refrigerated							
Barometric Pressure	746 mmHg							
Atmospheric Temperature	30.1 °C							
Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Hydrogen cyanide *	21/05/26 - 22/05/26	mg/m3	-	0.10	<0.10	No Standard	Based on NIOSH, P&CAM 116	Bangkok
Total Suspended Particulate	21/05/26 - 22/05/26	ug/m3	-	5.0	28.6	200	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	Bangkok

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99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230

P/O : 1011374

Project Name : Air Test

Project Location :

Sample Number 2641618-3

Sampled Date May 20, 2026

Sample Description Air Quality

Location Ban Dong Long

Date Analysis Commenced May 28, 2026

Condition of Sample Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one amber plastic bottle, refrigerated

Barometric Pressure 746 mmHg

Atmospheric Temperature 30.1 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Hydrogen cyanide *	20/05/26 - 21/05/26	mg/m3	-	0.10	<0.10	No Standard	Based on NIOSH, P&CAM 116	Bangkok
Total Suspended Particulate	20/05/26 - 21/05/26	ug/m3	-	5.0	13.8	200	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	Bangkok

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Saranya Chalerthamrong

Scientist (4)



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P/O : 1011374

Project Name : Air Test

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Lot ID: 2641618

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Lot ID: 2641618

Date Received : May 27, 2026

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Report Number : 3571426-1

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Sample Number 2641618-6
Sampled Date May 23, 2026
Sample Description Air Quality
Location Ban Dong Long
Date Analysis Commenced May 28, 2026
Condition of Sample Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one amber plastic bottle, refrigerated
Barometric Pressure 746 mmHg
Atmospheric Temperature 30.1 °C

Sample Number 2641618-5
Sampled Date May 22, 2026
Sample Description Air Quality
Location Ban Dong Long
Date Analysis Commenced May 28, 2026
Condition of Sample Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one amber plastic bottle, refrigerated
Barometric Pressure 746 mmHg
Atmospheric Temperature 30.1 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline Testing Location
Air Testing	Hydrogen cyanide *	mg/m3	-	0.10	<0.10	No Standard	Based on NIOSH, P&CAM 116	Bangkok
	Total Suspended Particulate	ug/m3	-	5.0	17.3	200	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	Bangkok

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Approved by

Scientist (4)

Approved by

Sarany C.

Sarany Chalermthamrong
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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaocheutuk, Amphur Thaplor, Phichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :

Lot ID: 2641619
Date Received : May 27, 2026
Date Reported : Jun 04, 2026
Report Number: 3571434-1

Page 1 of 1

Sample Description		Air Quality													
Location	Parameter	Ban Dong Long (GPS 47Q 0678206, 1802191)													
Measurement Date	Measurement by	Nitrogen dioxide (ppb)													
		May 18, 2026 - May 25, 2026													
		Vanich Phanpitt													
		2641619-1		2641619-2		2641619-3		2641619-4		2641619-5		2641619-6		2641619-7	
Time		May 18, 2026	May 19, 2026	May 19, 2026	May 20, 2026	May 20, 2026	May 21, 2026	May 21, 2026	May 22, 2026	May 22, 2026	May 23, 2026	May 23, 2026	May 24, 2026	May 24, 2026	
02:00 PM - 03:00 PM		2.5	2.4	3.1	1.4	1.1	1.6	1.0	3.9	1.6	3.1	2.5			
03:00 PM - 04:00 PM		2.3	3.1	4.8	1.1	1.2	1.0	0.6	0.9	1.0	1.6	3.1			
04:00 PM - 05:00 PM		2.2	4.8		1.6	1.2	1.0	0.8	1.0	1.0	1.8	1.6			
05:00 PM - 06:00 PM		2.4			1.4	1.1	1.0	0.8	1.0	1.0	1.8	1.6			
06:00 PM - 07:00 PM		3.4	5.5	1.4	2.5	0.9	1.2	0.9	1.2	1.7	1.7	1.7			
07:00 PM - 08:00 PM		2.7	2.2	3.1	2.7	1.1	1.4	1.1	1.1	1.4	1.2	1.2			
08:00 PM - 09:00 PM		2.8	2.0	2.2	2.0	1.9	2.5	2.0	1.4	2.0	1.4	1.2			
09:00 PM - 10:00 PM		1.9	2.4	2.5	10.3	5.6	1.1	8.7	5.0	3.6	3.6	3.6			
10:00 PM - 11:00 PM		3.3	3.1	1.9	1.4	1.5	5.1	5.0	3.6	3.6	3.6	3.6			
11:00 PM - 12:00 AM		2.8	1.7	1.6	1.5	1.3	2.3	3.6	2.0	3.8	3.8	3.8			
12:00 AM - 01:00 AM		4.0	2.0	1.9	1.3	1.1	3.6	3.6	2.0	3.0	2.6	2.6			
01:00 AM - 02:00 AM		4.6	2.5	1.6	1.1	1.1	4.0	3.6	2.0	3.0	2.6	2.6			
02:00 AM - 03:00 AM		6.2	3.1	1.4	1.3	3.8	10.1	3.4	2.0	3.4	3.4	3.4			
03:00 AM - 04:00 AM		5.1	3.1	1.4	1.6	2.6	9.1	3.0	2.3	2.4	2.4	2.4			
04:00 AM - 05:00 AM		3.3	3.1	1.4	1.6	2.6	2.1	3.0	2.6	3.1	3.1	3.1			
05:00 AM - 06:00 AM		3.2	3.9	1.2	1.6	3.5	3.4	4.8	3.4	4.8	4.8	4.8			
06:00 AM - 07:00 AM		2.2	3.4	2.0	1.3	3.5	3.9	3.9	3.9	5.5	5.5	5.5			
07:00 AM - 08:00 AM		1.6	2.4	1.6	1.4	2.5	2.5	2.5	2.5	2.2	2.2	2.2			
08:00 AM - 09:00 AM		2.0	2.3	1.3	1.5	1.9	1.9	2.8	2.0	2.0	2.4	2.4			
09:00 AM - 10:00 AM		2.7	1.4	1.1	1.8	1.9	1.9	2.6	2.0	2.4	2.4	2.4			
10:00 AM - 11:00 AM		1.9	1.6	0.9	1.5	1.5	1.5	1.8	2.6	2.6	2.6	2.6			
11:00 AM - 12:00 PM		2.9	1.8	0.9	1.5	1.5	1.5	1.8	1.7	3.5	3.5	3.5			
12:00 PM - 01:00 PM		3.3	1.7	1.1	1.1	1.6	1.6	1.8	3.2	2.8	2.8	2.8			
01:00 PM - 02:00 PM		3.4	1.2	1.1	1.6	3.1	3.1	10.3	10.1	5.5	5.5	5.5			
Average		3.0	2.7	1.5	1.6	1.6	3.2	3.2	3.2	3.2	3.2	3.2			
1hr - Maximum		6.2	5.5	2.7	3.1	120	120	120	120	120	120	120			
Standard 1hr - Average		120	120	120	120	120	120	120	120	120	120	120			

Standard : Notification of the National Environmental Board B.E. 2569.
Reference Method : U.S. Environmental Protection Agency/Method Part 50 App. F (Chemiluminescence)

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Approved by

Orawan Rakying
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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaocheutuk, Amphur Thaplor, Phichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :

Lot ID: 2641618
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Sample Number	2641618-7								
Sample Date	May 24, 2026								
Sample Description	Air Quality								
Location	Ban Dong Long								
Date Analysis Commenced	May 28, 2026								
Condition of Sample	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one amber plastic bottle, refrigerated								
Barometric Pressure	746 mmHg								
Atmospheric Temperature	30.1 °C								
Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Hydrogen cyanide *	24/05/26 - 25/05/26	mg/m3	-	0.10	<0.10	No Standard	Based on NIOSH, P&CAM 116	-	Bangkok
Total Suspended Particulate	24/05/26 - 25/05/26	ug/m3	-	5.0	31.1	200	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	NEB	Bangkok

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Analysis / Test Report

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P/O : 1011374
Project Name : Air Test
Project Location :

Lot ID: 2641618
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Date Reported : Jun 06, 2026
Report Number : 3571426-1

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Sample Number	Sampled Date	Sample Description	Location	Date Analysis Commenced	Condition of Sample	Barometric Pressure	Atmospheric Temperature	Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline Testing Location
2641618-16	May 19, 2026	Air Quality	Ban Khao Mor	May 28, 2026	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one amber plastic bottle, refrigerated	746 mmHg	30.1 °C	Hydrogen cyanide *	19/05/26 - 20/05/26	mg/m3	-	0.10	<0.10	No Standard	Based on NIOSH, P&CAM 116	Bangkok
Total Suspended Particulate	19/05/26 - 20/05/26									ug/m3	-	5.0	33.3	200	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	Bangkok

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Sample Number	Sampled Date	Sample Description	Location	Date Analysis Commenced	Condition of Sample	Barometric Pressure	Atmospheric Temperature	Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline Testing Location
2641618-15	May 18, 2026	Air Quality	Ban Khao Mor	May 28, 2026	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one amber plastic bottle, refrigerated	746 mmHg	32.4 °C	Hydrogen cyanide *	18/05/26 - 19/05/26	mg/m3	-	0.10	<0.10	No Standard	Based on NIOSH, P&CAM 116	Bangkok
Total Suspended Particulate	18/05/26 - 19/05/26									ug/m3	-	5.0	54.9	200	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	Bangkok

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Sample Number	Sampled Date	Sample Description	Location	Date Analysis Commenced	Condition of Sample	Barometric Pressure	Atmospheric Temperature
2641618-18	May 21, 2026	Air Quality	Ban Khao Mor	May 28, 2026	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one amber plastic bottle, refrigerated	746 mmHg	30.1 °C
Analyte	Sampled Date/time	Unit	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing							
Hydrogen cyanide *	21/05/26 - 22/05/26	mg/m3	0.10	<0.10	No Standard	Based on NIOSH, P&CAM 116	Bangkok
Total Suspended Particulate	21/05/26 - 22/05/26	ug/m3	5.0	50.9	200	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	Bangkok

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Sample Number	Sampled Date	Sample Description	Location	Date Analysis Commenced	Condition of Sample	Barometric Pressure	Atmospheric Temperature
2641618-17	May 20, 2026	Air Quality	Ban Khao Mor	May 28, 2026	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one amber plastic bottle, refrigerated	746 mmHg	30.1 °C
Analyte	Sampled Date/time	Unit	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing							
Hydrogen cyanide *	20/05/26 - 21/05/26	mg/m3	0.10	<0.10	No Standard	Based on NIOSH, P&CAM 116	Bangkok
Total Suspended Particulate	20/05/26 - 21/05/26	ug/m3	5.0	26.6	200	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	Bangkok

Guideline :
NEB : Notification of the National Environmental Board., B.E.2569 (2026) dated January 21, 2026
Sampled By : Vanich Phanpitt

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Sarany Chalerthamrong



Analysis / Test Report

TESTING
No.0009

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :

Lot ID: 2641618
Date Received : May 27, 2026
Date Reported : Jun 06, 2026
Report Number : 3571426-1

Page 20 of 35

Sample Number	2641618-20							
Sampled Date	May 23, 2026							
Sample Description	Air Quality							
Location	Ban Khao Mor							
Date Analysis Commenced	May 28, 2026							
Condition of Sample	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one amber plastic bottle, refrigerated							
Barometric Pressure	746 mmHg							
Atmospheric Temperature	30.1 °C							
Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Hydrogen cyanide *	23/05/26 - 24/05/26	mg/m3	-	0.10	<0.10	No Standard	Based on NIOSH, P&CAM 116	Bangkok
Total Suspended Particulate	23/05/26 - 24/05/26	ug/m3	-	5.0	51.9	200	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	Bangkok

Guideline :
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Analysis / Test Report

TESTING
No.0009

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :

Lot ID: 2641618
Date Received : May 27, 2026
Date Reported : Jun 06, 2026
Report Number : 3571426-1

Page 19 of 35

Sample Number	2641618-19							
Sampled Date	May 22, 2026							
Sample Description	Air Quality							
Location	Ban Khao Mor							
Date Analysis Commenced	May 28, 2026							
Condition of Sample	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one amber plastic bottle, refrigerated							
Barometric Pressure	746 mmHg							
Atmospheric Temperature	30.1 °C							
Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Hydrogen cyanide *	22/05/26 - 23/05/26	mg/m3	-	0.10	<0.10	No Standard	Based on NIOSH, P&CAM 116	Bangkok
Total Suspended Particulate	22/05/26 - 23/05/26	ug/m3	-	5.0	36.5	200	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	NEB Bangkok

Guideline :
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Sarany C.

Scientist (4)



Analysis / Test Report

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P/O : 1011374
Project Name : Air Test
Project Location :

Lot ID: 2641619

Date Received : May 27, 2026
Date Reported : Jun 04, 2026
Report number: 35-7644N

Page 1 of 1

Sample Description	Air Quality									
	(an Khao Mor GP8 47B 0675723, 1-042-4)									
Location	gltrof en dioxide (ppb)									
Parameter	May 1-, 2026 NMay 25, 2026									
Measurement Date	Vanich Phanpitt									
Measurement by										
Time	2641619N5	2641619N6	2641619N7	2641619N-	2641619N9	2641619N0	2641619N21	2641619N21	2641619N21	2641619N21
03:00 PM N04:00 PM	3.-	2.2	4.3	1.2	2.1	2.3	2.3	2.0	2.0	2.0
04:00 PM N05:00 PM	3.0	2.2	5.1	1.9	2.7	5.2	2.-	2.5	2.5	2.5
05:00 PM N06:00 PM	4.5	2.4	7.4	3.0	10.6	2.-	2.-	4.1	4.1	4.1
06:00 PM N07:00 PM	4.3	4.9	9.-	4.5	11.6	6.5	3.6	3.6	3.6	3.6
07:00 PM N08:00 PM	2.3	6.1	9.9	2.3	3.5	9.4	5.4	5.4	5.4	5.4
08:00 PM N09:00 PM	2.4	7.0	10.7	0.-	3.-	6.-	3.5	3.5	3.5	3.5
09:00 PM N10:00 PM	3.4	14.5	12.1	2.3	10.1	3.6	2.2	2.2	2.2	2.2
10:00 PM N11:00 PM	-2	16.-	10.3	9.4	2.2	16.0	2.2	2.2	2.2	2.2
11:00 PM N12:00 AM	21.4	13.4	-2	14.5	1.7	17.5	2.4	2.4	2.4	2.4
12:00 AM N01:00 AM	10.3	14.9	3.0	11.1	4.2	15.5	2.-	2.-	2.-	2.-
01:00 AM N02:00 AM	5.6	12.0	1.7	11.6	1.2	11.0	2.6	2.6	2.6	2.6
02:00 AM N03:00 AM	7.9	7.-	1.2	19.1	1.1	10.1	2.5	2.5	2.5	2.5
03:00 AM N04:00 AM	15.1	3.-	1.4	17.4	1.7	12.7	14.0	14.0	14.0	14.0
04:00 AM N05:00 AM	6.5	4.1	2.0	13.4	1.-	9.-	11.-	11.-	11.-	11.-
05:00 AM N06:00 AM	5.5	4.1	3.-	14.5	11.3	16.4	16.3	16.3	16.3	16.3
06:00 AM N07:00 AM	4.2	3.9	9.1	12.0	10.-	14.3	13.7	13.7	13.7	13.7
07:00 AM N08:00 AM	6.2	5.0	5.6	22.7	9.4	9.6	14.5	14.5	14.5	14.5
08:00 AM N09:00 AM	10.4	15.6	6.1	12.-	10.5	4.6	2.2	2.2	2.2	2.2
09:00 AM N10:00 AM	-0	5.9	12.9	4.9	5.3	3.7	2.3	2.3	2.3	2.3
10:00 AM N11:00 AM	6.4	6.0	4.0	3.4	2.2	3.6	1.-	1.-	1.-	1.-
11:00 AM N12:00 PM	5.3	3.5	3.2	2.2	2.3	2.5	1.3	1.3	1.3	1.3
12:00 PM N01:00 PM	3.6	2.0	2.5	2.0	3.0	1.-	2.2	2.2	2.2	2.2
01:00 PM N02:00 PM	4.7	1.9	1.2	2.4	1.7	2.6	2.4	2.4	2.4	2.4
02:00 PM N03:00 PM	2.6	3.2	1.2	4.1	2.0	2.0	4.1	4.1	4.1	4.1
Average	6.5	6.-	5.7	-1	4.9	7.9	5.1	5.1	5.1	5.1
1hr Maximum	21.4	16.-	12.9	22.7	11.6	17.5	16.3	16.3	16.3	16.3
Standard 1hr Naverafe	120	120	120	120	120	120	120	120	120	120

Standard : gorfication oQhe gational Environment (oard (.E. 2569.
Reference Method : U.8. Environmental Protection Af encyMethod Part 50 App. F (Chemiluminescence)

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Analysis / Test Report

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P/O : 1011374
Project Name : Air Test
Project Location :

Lot ID: 2641618

Date Received : May 27, 2026
Date Reported : Jun 06, 2026
Report Number : 3571426-1

Page 21 of 35

Sample Number	2641618-21							
Sample Date	May 24, 2026							
Sample Description	Air Quality							
Location	Ban Khao Mor							
Date Analysis Commenced	May 28, 2026							
Condition of Sample	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one amber plastic bottle, refrigerated							
Barometric Pressure	746 mmHg							
Atmospheric Temperature	30.1 °C							
Analyte	Sampled Date/Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline Testing Location
Air Testing								
Hydrogen cyanide *	24/05/26 - 25/05/26	mg/m3	-	0.10	<0.10	No Standard	Based on NIOSH, P&CAM 116	Bangkok
Total Suspended Particulate	24/05/26 - 25/05/26	ug/m3	-	5.0	40.2	200	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	Bangkok

Guideline :
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Sampled By : Vanich Phanpitt

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Saengya C.

Saranya Chalermthamrong
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P/O : 1011374
Project Name : Air Test
Project Location :

Lot ID: 2641618
Date Received : May 27, 2026
Date Reported : Jun 06, 2026
Report Number : 3571426-1

Page 30 of 35

Sample Number	2641618-30
Sampled Date	May 19, 2026
Sample Description	Air Quality
Location	Ban Long Du
Date Analysis Commenced	May 28, 2026
Condition of Sample	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one amber plastic bottle, refrigerated
Barometric Pressure	746 mmHg
Atmospheric Temperature	30.1 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Hydrogen cyanide *	19/05/26 - 20/05/26	mg/m3	-	0.10	<0.10	No Standard	Based on NIOSH, P&CAM 116	Bangkok
Total Suspended Particulate	19/05/26 - 20/05/26	ug/m3	-	5.0	20.0	200	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	Bangkok

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P/O : 1011374
Project Name : Air Test
Project Location :

Lot ID: 2641618
Date Received : May 27, 2026
Date Reported : Jun 06, 2026
Report Number : 3571426-1

Page 29 of 35

Sample Number	2641618-29
Sampled Date	May 18, 2026
Sample Description	Air Quality
Location	Ban Long Du
Date Analysis Commenced	May 28, 2026
Condition of Sample	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one amber plastic bottle, refrigerated
Barometric Pressure	746 mmHg
Atmospheric Temperature	32.4 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Hydrogen cyanide *	18/05/26 - 19/05/26	mg/m3	-	0.10	<0.10	No Standard	Based on NIOSH, P&CAM 116	Bangkok
Total Suspended Particulate	18/05/26 - 19/05/26	ug/m3	-	5.0	26.7	200	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	Bangkok

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Analysis / Test Report

TESTING
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P/O : 1011374

Project Name : Air Test

Project Location :

Lot ID: 2641618

Date Received : May 27, 2026

Date Reported : Jun 06, 2026

Report Number : 3571426-1

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Sample Number	2641618-32
Sampled Date	May 21, 2026
Sample Description	Air Quality
Location	Ban Long Du
Date Analysis Commenced	May 28, 2026
Condition of Sample	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one amber plastic bottle, refrigerated
Barometric Pressure	746 mmHg
Atmospheric Temperature	30.1 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Hydrogen cyanide *	21/05/26 - 22/05/26	mg/m3	-	0.10	<0.10	No Standard	Based on NIOSH, P&CAM 116	Bangkok
Total Suspended Particulate	21/05/26 - 22/05/26	ug/m3	-	5.0	32.6	200	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	Bangkok

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Analysis / Test Report

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P/O : 1011374

Project Name : Air Test

Project Location :

Lot ID: 2641618

Date Received : May 27, 2026

Date Reported : Jun 06, 2026

Report Number : 3571426-1

Page 31 of 35

Sample Number	2641618-31
Sampled Date	May 20, 2026
Sample Description	Air Quality
Location	Ban Long Du
Date Analysis Commenced	May 28, 2026
Condition of Sample	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one amber plastic bottle, refrigerated
Barometric Pressure	746 mmHg
Atmospheric Temperature	30.1 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Hydrogen cyanide *	20/05/26 - 21/05/26	mg/m3	-	0.10	<0.10	No Standard	Based on NIOSH, P&CAM 116	Bangkok
Total Suspended Particulate	20/05/26 - 21/05/26	ug/m3	-	5.0	15.6	200	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	Bangkok

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Analysis / Test Report

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Client : Akara Resources Public Co., Ltd.

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P/O : 1011374

Project Name : Air Test

Project Location :

Lot ID: 2641618

Date Received : May 27, 2026

Date Reported : Jun 06, 2026

Report Number : 3571426-1

Page 34 of 35

Sample Number	2641618-34
Sampled Date	May 23, 2026
Sample Description	Air Quality
Location	Ban Long Du
Date Analysis Commenced	May 28, 2026
Condition of Sample	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one amber plastic bottle, refrigerated
Barometric Pressure	746 mmHg
Atmospheric Temperature	30.1 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Hydrogen cyanide *	23/05/26 - 24/05/26	mg/m3	-	0.10	<0.10	No Standard	Based on NIOSH, P&CAM 116	Bangkok
Total Suspended Particulate	23/05/26 - 24/05/26	ug/m3	-	5.0	30.0	200	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	Bangkok

Guideline :

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Analysis / Test Report

TESTING
No.0009

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99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230

P/O : 1011374

Project Name : Air Test

Project Location :

Lot ID: 2641618

Date Received : May 27, 2026

Date Reported : Jun 06, 2026

Report Number : 3571426-1

Page 33 of 35

Sample Number	2641618-33
Sampled Date	May 22, 2026
Sample Description	Air Quality
Location	Ban Long Du
Date Analysis Commenced	May 28, 2026
Condition of Sample	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one amber plastic bottle, refrigerated
Barometric Pressure	746 mmHg
Atmospheric Temperature	30.1 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Hydrogen cyanide *	22/05/26 - 23/05/26	mg/m3	-	0.10	<0.10	No Standard	Based on NIOSH, P&CAM 116	Bangkok
Total Suspended Particulate	22/05/26 - 23/05/26	ug/m3	-	5.0	27.7	200	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	Bangkok

Guideline :

NEB : Notification of the National Environmental Board., B.E.2569 (2026) dated January 21, 2026

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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.

99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Phichit Thailand 66230

P/O : 1011374

Project Name : Air Test

Project Location :

Lot ID: 2641619

Date Received : May 27, 2026

Date Reported : Jun 04, 2026

Report number: 35-7646N

Page 1 of 1

Sample Description	Air Quality									
	(an Lonf Du GP8 47B 0671962, 1799044)									
Location	gltrof en dioxide (ppb)									
Parameter	May 1-, 2026 NMay 25, 2026									
Measurement Date	Vanich Phantipit									
Measurement by										
Time	2641619N29	2641619N29	2641619N29	2641619N29	2641619N29	2641619N29	2641619N29	2641619N29	2641619N29	2641619N29
03:00 PM N04:00 PM	2.7	3.0	2.1	1.3	1.3	3.1	3.1	1.6		
04:00 PM N05:00 PM	1.3	3.7	1.7	1.3	3.6	5.0	5.3	1.1		
05:00 PM N06:00 PM	2.5	5.5	2.3	5.2	1.9	5.3	6.1			
06:00 PM N07:00 PM	5.1	5.1	2.7	11.5	2.2	10.6	9.9			
07:00 PM N08:00 PM	5.0	3.5	3.0	5.0	13.1	15.9	15.9			
08:00 PM N09:00 PM	1.7	2.2	2.1	3.4	2.5	14.0	5.9			
09:00 PM N10:00 PM	1.5	1.5	1.1	2.0	1.4	4.1	2.1			
10:00 PM N11:00 PM	3.3	2.5	1.5	5.7	6.3	5.1	1.7			
11:00 PM N12:00 AM	5.7	3.7	7.5	3.1	9.9	6.5	3.0			
12:00 AM N01:00 AM	10.0	4.5	6.3	2.3	1.1	6.4	11.9			
01:00 AM N02:00 AM	15.3	3.0	3.0	1.6	7.9	7.7	7.7			
02:00 AM N03:00 AM	13.7	10.1	5.7	1.6	4.3	4.6	7.1			
03:00 AM N04:00 AM	9.1	5.2	2.9	1.3	2.1	4.2	3.6			
04:00 AM N05:00 AM	-0.1	3.2	3.4	1.3	1.9	2.9	3.6			
05:00 AM N06:00 AM	12.5	5.1	-0.1	2.1	6.3	6.2	6.2			
06:00 AM N07:00 AM	10.4	5.6	3.1	2.6	7.4	-2	-2			
07:00 AM N08:00 AM	-0.1	3.7	2.0	4.3	6.4	6.6	6.6			
08:00 AM N09:00 AM	3.0	2.7	1.7	2.2	4.4	6.7	4.0			
09:00 AM N10:00 AM	1.9	1.3	1.3	2.6	2.1	2.1	1.9			
10:00 AM N11:00 AM	1.5	1.2	0.5	2.4	2.9	2.2	1.9			
11:00 AM N12:00 PM	3.0	3.7	1.5	3.1	3.1	3.1	2.1			
12:00 PM N01:00 PM	3.5	3.3	2.1	2.3	3.1	3.1	2.5			
01:00 PM N02:00 PM	3.2	2.9	2.0	2.1	2.5	3.3	1.1			
02:00 PM N03:00 PM	3.5	2.5	2.1	2.5	3.7	3.4	4.3			
Average	5.7	4.0	3.0	3.0	4.3	5.7	5.1			
1hr Maximum	15.3	10.1	-0.1	11.5	14.0	15.9	15.9			
Standard 1hr Average	120	120	120	120	120	120	120			

Standard : gortification of the national environment (ord . E. 2569.

Reference Method : U.S. Environmental Protection Agency/Method Part 50 App. F (Chemiluminescence)

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Approved by

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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.

99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Phichit Thailand 66230

P/O : 1011374

Project Name : Air Test

Project Location :

TESTING
No.0009

Lot ID: 2641618

Date Received : May 27, 2026

Date Reported : Jun 06, 2026

Report Number : 3571426-1

Page 35 of 35

Sample Number	2641618-35							
Sample Date	May 24, 2026							
Sample Description	Air Quality							
Location	Ban Long Du							
Date Analysis Commenced	May 28, 2026							
Condition of Sample	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one amber plastic bottle, refrigerated							
Barometric Pressure	746 mmHg							
Atmospheric Temperature	30.1 °C							
Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline Testing Location
Air Testing								
Hydrogen cyanide *	24/05/26 - 25/05/26	mg/m3	-	0.10	<0.10	No Standard	Based on NIOSH, P&CAM 116	Bangkok
Total Suspended Particulate	24/05/26 - 25/05/26	ug/m3	-	5.0	28.7	200	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	Bangkok

Guideline :

NEB : Notification of the National Environmental Board, B.E.2569 (2026) dated January 21, 2026

Sampled By : Vanich Phantipit

Remark :

- LOD : Limit of Detection
- "L" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Analysis / Test Report

Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :

Lot ID: 2641618
Date Received : May 27, 2026
Date Reported : Jun 06, 2026
Report Number : 3571426-1

TESTING
No.0009

Page 9 of 35

Sample Number 2641618-9
Sampled Date May 19, 2026
Sample Description Air Quality
Location Ban Nong Ra Man
Date Analysis Commenced May 28, 2026
Condition of Sample Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one amber plastic bottle, refrigerated
Barometric Pressure 746 mmHg
Atmospheric Temperature 30.1 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Hydrogen cyanide *	19/05/26 - 20/05/26	mg/m3	-	0.10	<0.10	No Standard	Based on NIOSH, P&CAM 116	Bangkok
Total Suspended Particulate	19/05/26 - 20/05/26	ug/m3	-	5.0	32.1	200	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	Bangkok

Guideline :

NEB : Notification of the National Environmental Board., B.E.2569 (2026) dated January 21, 2026
Sampled By : Vanich Phanpitt

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Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :

Lot ID: 2641618
Date Received : May 27, 2026
Date Reported : Jun 06, 2026
Report Number : 3571426-1

TESTING
No.0009

Page 8 of 35

Sample Number 2641618-8
Sampled Date May 18, 2026
Sample Description Air Quality
Location Ban Nong Ra Man
Date Analysis Commenced May 28, 2026
Condition of Sample Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one amber plastic bottle, refrigerated
Barometric Pressure 746 mmHg
Atmospheric Temperature 32.4 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Hydrogen cyanide *	18/05/26 - 19/05/26	mg/m3	-	0.10	<0.10	No Standard	Based on NIOSH, P&CAM 116	Bangkok
Total Suspended Particulate	18/05/26 - 19/05/26	ug/m3	-	5.0	41.0	200	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	Bangkok

Guideline :

NEB : Notification of the National Environmental Board., B.E.2569 (2026) dated January 21, 2026
Sampled By : Vanich Phanpitt

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Sarany Chalerthamrong



Analysis / Test Report

TESTING
No.0009

Client : Akara Resources Public Co., Ltd.

99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230

P/O : 1011374

Project Name : Air Test

Project Location :

Lot ID: 2641618

Date Received : May 27, 2026

Date Reported : Jun 06, 2026

Report Number : 3571426-1

Page 11 of 35

Sample Number	2641618-11
Sampled Date	May 21, 2026
Sample Description	Air Quality
Location	Ban Nong Ra Man
Date Analysis Commenced	May 28, 2026
Condition of Sample	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one amber plastic bottle, refrigerated
Barometric Pressure	746 mmHg
Atmospheric Temperature	30.1 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Hydrogen cyanide *	21/05/26 - 22/05/26	mg/m3	-	0.10	<0.10	No Standard	Based on NIOSH, P&CAM 116	Bangkok
Total Suspended Particulate	21/05/26 - 22/05/26	ug/m3	-	5.0	55.3	200	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	Bangkok

Guideline :

NEB : Notification of the National Environmental Board., B.E.2569 (2026) dated January 21, 2026

Sampled By : Vanich Phanpitt

Remark :

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- "c" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Analysis / Test Report

TESTING
No.0009

Client : Akara Resources Public Co., Ltd.

99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230

P/O : 1011374

Project Name : Air Test

Project Location :

Lot ID: 2641618

Date Received : May 27, 2026

Date Reported : Jun 06, 2026

Report Number : 3571426-1

Page 10 of 35

Sample Number	2641618-10
Sampled Date	May 20, 2026
Sample Description	Air Quality
Location	Ban Nong Ra Man
Date Analysis Commenced	May 28, 2026
Condition of Sample	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one amber plastic bottle, refrigerated
Barometric Pressure	746 mmHg
Atmospheric Temperature	30.1 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Hydrogen cyanide *	20/05/26 - 21/05/26	mg/m3	-	0.10	<0.10	No Standard	Based on NIOSH, P&CAM 116	Bangkok
Total Suspended Particulate	20/05/26 - 21/05/26	ug/m3	-	5.0	22.8	200	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	Bangkok

Guideline :

NEB : Notification of the National Environmental Board., B.E.2569 (2026) dated January 21, 2026

Sampled By : Vanich Phanpitt

Remark :

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- "c" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Analysis / Test Report

Analysis / Test Report

Client : Akara Resources Public Co., Ltd.

99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230

P/O : 1011374

Project Name : Air Test

Project Location :

Lot ID: 2641618

Date Received : May 27, 2026

Date Reported : Jun 06, 2026

Report Number : 3571426-1

TESTING
No.0009

TESTING
No.0009

Lot ID: 2641618

Date Received : May 27, 2026

Date Reported : Jun 06, 2026

Report Number : 3571426-1

Page 13 of 35

Page 12 of 35

Sample Number	2641618-13
Sampled Date	May 23, 2026
Sample Description	Air Quality
Location	Ban Nong Ra Man
Date Analysis Commenced	May 28, 2026
Condition of Sample	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one amber plastic bottle, refrigerated
Barometric Pressure	746 mmHg
Atmospheric Temperature	30.1 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing	Hydrogen cyanide *	mg/m3	-	0.10	<0.10	No Standard	Based on NIOSH, P&CAM 116	Bangkok
	Total Suspended Particulate	ug/m3	-	5.0	44.9	200	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	Bangkok

Guideline :

NEB : Notification of the National Environmental Board., B.E.2569 (2026) dated January 21, 2026

Sampled By : Vanich Phanpitt

Remark :

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- "c" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Sample Number	2641618-12
Sampled Date	May 22, 2026
Sample Description	Air Quality
Location	Ban Nong Ra Man
Date Analysis Commenced	May 28, 2026
Condition of Sample	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one amber plastic bottle, refrigerated
Barometric Pressure	746 mmHg
Atmospheric Temperature	30.1 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing	Hydrogen cyanide *	mg/m3	-	0.10	<0.10	No Standard	Based on NIOSH, P&CAM 116	Bangkok
	Total Suspended Particulate	ug/m3	-	5.0	40.5	200	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	Bangkok

Guideline :

NEB : Notification of the National Environmental Board., B.E.2569 (2026) dated January 21, 2026

Sampled By : Vanich Phanpitt

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Saranya C.

Saranya Chalermthamrong

Scientist (4)



Analysis / Test Report

Client : Akara Resources Public Co., Ltd.

99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230

P/O : 1011374

Project Name : Air Test

Project Location :

Lot ID: 2641619

Date Received : May 27, 2026

Date Reported : Jun 04, 2026

Report number: 35-7643N

Page 1 of 1

Sample Description	Air Quality											
	2641619N			2641619N			2641619N			2641619N		
Location	an gong Ra Man GP8 47B 0674693, 1-02561)			gironf en dioxide (ppb)			May 1-, 2026 NMay 25, 2026			Vanich Phanpitt		
Parameter	May 1-, 2026			May 19, 2026			May 20, 2026			May 21, 2026		
Measurement Date	May 1-, 2026			May 19, 2026			May 20, 2026			May 21, 2026		
Measurement by	Vanich Phanpitt			Vanich Phanpitt			Vanich Phanpitt			Vanich Phanpitt		
Time	May 1-, 2026			May 19, 2026			May 20, 2026			May 21, 2026		
01:00 PM N02:00 PM	3.3	2.2	2.1	2.2	2.0	2.0	2.1	1.5	1.5	2.0	2.3	2.3
02:00 PM N03:00 PM	3.5	2.4	2.6	2.4	2.6	2.6	2.6	1.7	1.7	10.0	2.1	2.0
03:00 PM N04:00 PM	4.3	2.6	3.1	2.6	3.1	3.1	3.1	1.9	1.9	3.7	1.9	2.2
04:00 PM N05:00 PM	3.1	3.9	3.2	3.9	3.2	3.2	3.2	3.2	3.2	7.3	3.1	2.7
05:00 PM N06:00 PM	5.6	2.7	4.1	2.7	4.1	4.1	4.1	3.2	3.2	4.7	3.3	4.2
06:00 PM N07:00 PM	4.2	3.5	5.2	3.5	5.2	5.2	5.2	5.6	5.6	3.5	5.6	5.9
07:00 PM N08:00 PM	2.3	3.4	3.9	3.4	3.9	3.9	3.9	6.0	6.0	2.1	4.1	6.0
08:00 PM N09:00 PM	2.2	3.1	2.5	3.1	2.5	2.5	2.5	1.2	1.2	1.6	4.1	3.9
09:00 PM N10:00 PM	3.9	2.9	2.3	2.9	2.3	2.3	2.3	7.6	7.6	9.2	6.5	2.2
10:00 PM N11:00 PM	-1	4.0	1.3	4.0	1.3	1.3	1.3	-3	10.7	2.9	10.7	1.3
11:00 PM N12:00 AM	10.4	3.0	2.4	3.0	2.4	2.4	2.4	3.7	7.6	3.0	7.6	2.0
12:00 AM N01:00 AM	4.9	1.5	3.2	1.5	3.2	3.2	3.2	3.1	5.6	5.1	5.6	3.6
01:00 AM N02:00 AM	6.1	1.7	1.2	1.7	1.2	1.2	1.2	4.5	7.6	1.4	7.6	2.4
02:00 AM N03:00 AM	5.2	2.0	1.2	2.0	1.2	1.2	1.2	5.9	9.1	1.3	9.1	3.3
03:00 AM N04:00 AM	4.5	4.0	1.2	4.0	1.2	1.2	1.2	7.4	7.5	2.5	7.5	5.7
04:00 AM N05:00 AM	4.4	3.4	0.9	3.4	0.9	0.9	0.9	7.4	2.6	4.1	2.6	3.1
05:00 AM N06:00 AM	4.2	3.3	1.1	3.3	1.1	1.1	1.1	7.0	4.3	4.2	4.3	4.0
06:00 AM N07:00 AM	3.6	4.4	3.6	4.4	3.6	3.6	3.6	9.4	5.4	4.7	5.4	4.7
07:00 AM N08:00 AM	3.5	3.7	4.2	3.7	4.2	4.2	4.2	5.3	3.9	4.6	3.9	3.6
08:00 AM N09:00 AM	3.4	3.9	1.1	3.9	1.1	1.1	1.1	3.2	4.2	3.4	4.2	2.4
09:00 AM N10:00 AM	2.7	2.5	4.9	2.5	4.9	4.9	4.9	2.7	3.2	3.2	4.0	1.7
10:00 AM N11:00 AM	3.1	2.2	1.4	2.2	1.4	1.4	1.4	2.1	3.1	2.9	3.1	2.4
11:00 AM N12:00 PM	3.0	2.6	1.1	2.6	1.1	1.1	1.1	1.9	2.4	2.3	2.4	1.1
12:00 PM N01:00 PM	2.5	2.7	1.5	2.7	1.5	1.5	1.5	1.7	2.2	2.5	2.2	2.3
Average	4.3	3.0	2.6	3.0	2.6	2.6	2.6	4.4	4.7	3.9	4.7	3.2
1hr Maximum	10.4	4.4	5.2	4.4	5.2	5.2	5.2	9.4	10.7	10.0	10.7	6.0
Standard 1hr Average	120	120	120	120	120	120	120	120	120	120	120	120

Standard : gation of the national environment (ord (.E.2569.

Reference Method : U.S. Environmental Protection Agency/Method Part 50 App. F (Chemiluminescence)

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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.

99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230

P/O : 1011374

Project Name : Air Test

Project Location :

Lot ID: 2641618

Date Received : May 27, 2026

Date Reported : Jun 06, 2026

Report Number : 3571426-1

Page 14 of 35

Air Quality											
2641618-14			2641618-14			2641618-14			2641618-14		
May 24, 2026			May 24, 2026			May 24, 2026			May 24, 2026		
Air Quality			Air Quality			Air Quality			Air Quality		
Ban Nong Ra Man			Ban Nong Ra Man			Ban Nong Ra Man			Ban Nong Ra Man		
May 28, 2026			May 28, 2026			May 28, 2026			May 28, 2026		
Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one amber plastic bottle, refrigerated			Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one amber plastic bottle, refrigerated			Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one amber plastic bottle, refrigerated			Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one amber plastic bottle, refrigerated		
746 mmHg			746 mmHg			746 mmHg			746 mmHg		
30.1 °C			30.1 °C			30.1 °C			30.1 °C		
24/05/26 - 25/05/26			24/05/26 - 25/05/26			24/05/26 - 25/05/26			24/05/26 - 25/05/26		
mg/m3			mg/m3			mg/m3			mg/m3		
0.10			0.10			0.10			0.10		
No Standard			No Standard			No Standard			No Standard		
200			200			200			200		
Based on NIOSH, P&CAM 116			Based on NIOSH, P&CAM 116			Based on NIOSH, P&CAM 116			Based on NIOSH, P&CAM 116		
In-house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)			In-house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)			In-house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)			In-house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)		
Bangkok			Bangkok			Bangkok			Bangkok		
NEB			NEB			NEB			NEB		

Guideline :

NEB : Notification of the National Environmental Board, B.E.2569 (2026) dated January 21, 2026

Sampled By : Vanich Phanpitt

Remark :

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

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Analysis / Test Report

TESTING
No.0009

Client : Akara Resources Public Co., Ltd.

99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230

P/O : 1011374

Project Name : Air Test

Project Location :

Lot ID: 2641618

Date Received : May 27, 2026

Date Reported : Jun 06, 2026

Report Number : 3571426-1

Page 23 of 35

Sample Number	2641618-23
Sampled Date	May 19, 2026
Sample Description	Air Quality
Location	Ban Klong Sai Yang Rong
Date Analysis Commenced	May 28, 2026
Condition of Sample	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one amber plastic bottle, refrigerated
Barometric Pressure	746 mmHg
Atmospheric Temperature	30.1 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Hydrogen cyanide *	19/05/26 - 20/05/26	mg/m3	-	0.10	<0.10	No Standard	Based on NIOSH, P&CAM 116	Bangkok
Total Suspended Particulate	19/05/26 - 20/05/26	ug/m3	-	5.0	21.3	200	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	Bangkok

Guideline :

NEB : Notification of the National Environmental Board., B.E.2569 (2026) dated January 21, 2026

Sampled By : Vanich Phanpitt

Remark :

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- "≤" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Analysis / Test Report

TESTING
No.0009

Client : Akara Resources Public Co., Ltd.

99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230

P/O : 1011374

Project Name : Air Test

Project Location :

Lot ID: 2641618

Date Received : May 27, 2026

Date Reported : Jun 06, 2026

Report Number : 3571426-1

Page 22 of 35

Sample Number	2641618-22
Sampled Date	May 18, 2026
Sample Description	Air Quality
Location	Ban Klong Sai Yang Rong
Date Analysis Commenced	May 28, 2026
Condition of Sample	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one amber plastic bottle, refrigerated
Barometric Pressure	746 mmHg
Atmospheric Temperature	32.4 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Hydrogen cyanide *	18/05/26 - 19/05/26	mg/m3	-	0.10	<0.10	No Standard	Based on NIOSH, P&CAM 116	Bangkok
Total Suspended Particulate	18/05/26 - 19/05/26	ug/m3	-	5.0	30.2	200	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	Bangkok

Guideline :

NEB : Notification of the National Environmental Board., B.E.2569 (2026) dated January 21, 2026

Sampled By : Vanich Phanpitt

Remark :

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Analysis / Test Report

TESTING
No.0009

Client : Akara Resources Public Co., Ltd.

99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230

P/O : 1011374

Project Name : Air Test

Project Location :

Lot ID: 2641618

Date Received : May 27, 2026

Date Reported : Jun 06, 2026

Report Number : 3571426-1

Page 25 of 35

Sample Number	2641618-25
Sampled Date	May 21, 2026
Sample Description	Air Quality
Location	Ban Klong Sai Yang Rong
Date Analysis Commenced	May 28, 2026
Condition of Sample	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one amber plastic bottle, refrigerated
Barometric Pressure	746 mmHg
Atmospheric Temperature	30.1 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Hydrogen cyanide *	21/05/26 - 22/05/26	mg/m3	-	0.10	<0.10	No Standard	Based on NIOSH, P&CAM 116	Bangkok
Total Suspended Particulate	21/05/26 - 22/05/26	ug/m3	-	5.0	39.3	200	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	Bangkok

Guideline :

NEB : Notification of the National Environmental Board., B.E.2569 (2026) dated January 21, 2026

Sampled By : Vanich Phanpitt

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Analysis / Test Report

TESTING
No.0009

Client : Akara Resources Public Co., Ltd.

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P/O : 1011374

Project Name : Air Test

Project Location :

Lot ID: 2641618

Date Received : May 27, 2026

Date Reported : Jun 06, 2026

Report Number : 3571426-1

Page 24 of 35

Sample Number	2641618-24
Sampled Date	May 20, 2026
Sample Description	Air Quality
Location	Ban Klong Sai Yang Rong
Date Analysis Commenced	May 28, 2026
Condition of Sample	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one amber plastic bottle, refrigerated
Barometric Pressure	746 mmHg
Atmospheric Temperature	30.1 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Hydrogen cyanide *	20/05/26 - 21/05/26	mg/m3	-	0.10	<0.10	No Standard	Based on NIOSH, P&CAM 116	Bangkok
Total Suspended Particulate	20/05/26 - 21/05/26	ug/m3	-	5.0	17.7	200	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	Bangkok

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Sampled By : Vanich Phanpitt

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Analysis / Test Report

TESTING
No.0009

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :

Analysis / Test Report

TESTING
No.0009

Lot ID: 2641618
Date Received : May 27, 2026
Date Reported : Jun 06, 2026
Report Number : 3571426-1

Page 27 of 35

Sample Number 2641618-27
Sampled Date May 23, 2026
Sample Description Air Quality
Location Ban Klong Sai Yang Rong
Date Analysis Commenced May 28, 2026
Condition of Sample Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one amber plastic bottle, refrigerated
Barometric Pressure 746 mmHg
Atmospheric Temperature 30.1 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline Testing Location
Air Testing	Hydrogen cyanide *	mg/m3	-	0.10	<0.10	No Standard	Based on NIOSH, P&CAM 116	Bangkok
	Total Suspended Particulate	ug/m3	-	5.0	29.4	200	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	Bangkok

Guideline : NEB : Notification of the National Environmental Board., B.E.2569 (2026) dated January 21, 2026
Sampled By : Vanich Phanpitt

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Page 26 of 35

Sample Number 2641618-26
Sampled Date May 22, 2026
Sample Description Air Quality
Location Ban Klong Sai Yang Rong
Date Analysis Commenced May 28, 2026
Condition of Sample Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one amber plastic bottle, refrigerated
Barometric Pressure 746 mmHg
Atmospheric Temperature 30.1 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline Testing Location
Air Testing	Hydrogen cyanide *	mg/m3	-	0.10	<0.10	No Standard	Based on NIOSH, P&CAM 116	Bangkok
	Total Suspended Particulate	ug/m3	-	5.0	28.2	200	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	Bangkok

Guideline : NEB : Notification of the National Environmental Board., B.E.2569 (2026) dated January 21, 2026
Sampled By : Vanich Phanpitt

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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.

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P/O : 1011374

Project Name : Air Test

Project Location :

Lot ID: 2641619

Date Received : May 27, 2026

Date Reported : Jun 04, 2026

Report Number: 3587645-1

Page 1 of 1

Sample Description Location Parameter Measurement Date Measurement by	Air Quality Ban Klong Sai Yang Rong (GPS 47Q 0676116, 1798785) Nitrogen dioxide (ppb) May 18, 2026 - May 25, 2026 Vanich Phanpitt									
	2641619-22	2641619-23	2641619-24	2641619-25	2641619-26	2641619-27	2641619-28			
Time	May 18, 2026	May 19, 2026	May 20, 2026	May 21, 2026	May 22, 2026	May 23, 2026	May 24, 2026			
04:00 PM - 05:00 PM	0.9	1.9	2.1	1.0	3.9	1.1	1.7			
05:00 PM - 06:00 PM	2.0	1.6	2.2	1.3	1.0	1.3	3.2			
06:00 PM - 07:00 PM	1.7	1.5	2.4	1.9	1.2	2.5	5.8			
07:00 PM - 08:00 PM	1.3	2.8	3.0	3.4	1.2	4.0	6.3			
08:00 PM - 09:00 PM	1.1	2.6	2.8	0.9	1.7	4.7	3.5			
09:00 PM - 10:00 PM	1.0	2.1	2.7	2.0	2.0	4.8	1.8			
10:00 PM - 11:00 PM	1.8	1.4	2.3	1.7	2.9	4.0	3.5			
11:00 PM - 12:00 AM	1.7	1.4	2.1	1.3	2.7	3.7	2.4			
12:00 AM - 01:00 AM	1.5	1.5	2.1	1.1	2.1	3.7	3.1			
01:00 AM - 02:00 AM	1.4	1.5	2.0	1.0	2.0	3.4	3.7			
02:00 AM - 03:00 AM	1.5	1.6	1.8	1.0	1.8	3.0	3.6			
03:00 AM - 04:00 AM	1.7	3.2	2.0	1.2	1.9	3.1	4.0			
04:00 AM - 05:00 AM	1.5	3.9	1.9	1.3	1.9	2.0	3.2			
05:00 AM - 06:00 AM	2.8	1.0	1.9	0.9	1.6	2.9	3.7			
06:00 AM - 07:00 AM	2.6	1.0	1.8	1.2	1.6	3.3	3.4			
07:00 AM - 08:00 AM	2.1	1.0	1.7	0.9	2.3	3.1	3.0			
08:00 AM - 09:00 AM	1.4	2.8	1.5	1.5	2.8	3.4	2.2			
09:00 AM - 10:00 AM	1.4	2.6	1.4	1.7	2.6	3.4	2.2			
10:00 AM - 11:00 AM	1.1	2.1	1.5	2.0	2.1	2.8	2.2			
11:00 AM - 12:00 PM	1.2	1.4	1.7	1.7	1.4	2.2	1.8			
12:00 PM - 01:00 PM	3.4	1.4	1.5	1.5	1.4	2.2	1.6			
01:00 PM - 02:00 PM	2.8	1.1	1.5	1.5	1.1	1.9	1.5			
02:00 PM - 03:00 PM	2.2	1.2	1.5	1.6	1.2	1.6	1.4			
03:00 PM - 04:00 PM	2.2	1.4	1.3	3.2	4.1	1.5	2.0			
Average	1.8	1.8	1.9	1.5	2.0	2.9	3.0			
1hr - Maximum	3.4	3.9	3.0	3.4	4.1	4.8	6.3			
Standard 1hr - Average	120	120	120	120	120	120	120			

Standard : Notification of the National Environment Board B.E. 2569.

Reference Method : U.S. Environmental Protection Agency/Method Part 50 App. F (Chemiluminescence)

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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.

99 Moo 9, Tambon Khaocheutuk, Amphur Thapklor, Phichit Thailand 66230

P/O : 1011374

Project Name : Air Test

Project Location :

TESTING
No.0009

Lot ID: 2641618

Date Received : May 27, 2026

Date Reported : Jun 06, 2026

Report Number : 3571426-1

Page 28 of 35

Sample Number	2641618-28							
Sampled Date	May 24, 2026							
Sample Description	Air Quality							
Location	Ban Klong Sai Yang Rong							
Date Analysis Commenced	May 28, 2026							
Condition of Sample	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one amber plastic bottle, refrigerated							
Barometric Pressure	746 mmHg							
Atmospheric Temperature	30.1 °C							
Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline Testing Location
Air Testing								
Hydrogen cyanide *	24/05/26 - 25/05/26	mg/m3	-	0.10	<0.10	No Standard	Based on NIOSH, P&CAM 116	Bangkok
Total Suspended Particulate	24/05/26 - 25/05/26	ug/m3	-	5.0	36.9	200	In - house method : STM 04-051, based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	NEB Bangkok

Guideline :

NEB : Notification of the National Environmental Board, B.E.2569 (2026) dated January 21, 2026

Sampled By : Vanich Phanpitt

Remark :

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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaocheuluk, Amphur Thaplor, Phichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :

Lot ID: 2620813
Date Received : Mar 27, 2026
Date Reported : Apr 03, 2026
Report Number: 3522606-1

Page 1 of 1

Sample Number 2620813-1
Sampled Date Mar 23, 2026
Sample Description Emission from Stationary Source
Location Cyanide Hood/ Output
Date Analysis Commenced Mar 28, 2026
Condition of Sample Extracted into one amber plastic bottle, refrigerated

Stack Description					Testing Location
Analyte	Sampled Time	Unit	LOQ (LOR)	Result	
Ambient Pressure	748	mmHg			
Ambient Temperature	28.0	°C			
Type of Process					
Type of Fuel					
Stack Description					
Ambient Pressure	748	mmHg			
Ambient Temperature	28.0	°C			
Type of Process					
Type of Fuel					

Analyte	Sampled Time	Unit	LOQ (LOR)	Result	Method	Testing Location
Hydrogen cyanide	07:50 PM - 08:20 PM	mg/m3	-	<0.01	NIOSH (1994), P&CAM 116	Bangkok

Sampling By : Thanatpong Sirasuntharat

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



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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaocheuluk, Amphur Thaplor, Phichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :

Lot ID: 2620811
Date Received : Mar 27, 2026
Date Reported : Apr 08, 2026
Report Number: 3522605-1

Page 1 of 1

Sample Number 2620811-1
Sampled Date Mar 23, 2026
Sample Description Emission from Stationary Source
Location Acid Hood/ Outlet
Date Analysis Commenced Mar 28, 2026
Condition of Sample Extracted into two amber plastic bottles, refrigerated

Stack Description					Testing Location
Analyte	Sampled Time	Unit	LOQ (LOR)	Result	
Ambient Pressure	748	mmHg			
Ambient Temperature	30.0	°C			
Type of Process					
Type of Fuel					
Stack Description					
Ambient Pressure	748	mmHg			
Ambient Temperature	30.0	°C			
Type of Process					
Type of Fuel					

Analyte	Sampled Time	Unit	LOQ (LOR)	Result	Method	Testing Location
Hydrogen Chloride	06:40 PM - 07:40 PM	mg/m3	-	0.01	U.S. Environmental Protection Agency 40 CFR method 1-4, 26, 2020 (Include sampling)	Bangkok
Sulfuric acid *	06:40 PM - 07:20 PM	ppm	-	<0.01	U.S. Environmental Protection Agency, EPA Method 8	Bangkok

Guideline : Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)
Sampling By : Thanatpong Sirasuntharat วันที่ 204-3-0081

Remark :
- LOD : Limit of Detection
- "c" : 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

Scientist (4)
วันที่ 204-3-0011



Approved by

ASSISTANT GENERAL MANAGER
วันที่ 204-3-0004

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MM-N08



Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochelluk, Amphur Thapklor, Phichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :

Lot ID: 2620791
Date Received : Mar 27, 2026
Date Reported : Apr 08, 2026
Report Number: 3522589-1

Page 1 of 1

Sample Number	2620791-1			
Sample Date	Mar 24, 2026			
Sample Description	Emission from Stationary Source			
Location	Electro Winning (Plant 2)			
Date Analysis Commenced	Mar 28, 2026			
Condition of Sample	Extracted into one filter paper placed in plastic petri dish, one 2-L collection flask and two amber plastic bottles, refrigerated			

Stack Description				
Ambient Pressure	748	mmHg	Diameter	0.45
Ambient Temperature	32.0	°C	Shape	Circle
Type of Process	-	-	Stack Temperature	45.5
Type of Fuel	-	-	Moisture	3.54
			Flow Rate (Actual O2)	%
				6070 Nm3/hr
				%
				20.9
				0.0
				11.9
				6070

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Hydrogen Chloride	10:30 AM - 11:30 AM	mg/m3	-	0.01	0.05	200	U.S. Environmental Protection Agency 40 CFR method 1-4, 26, 2020 (include sampling)	Bangkok
Oxides of Nitrogen *	10:35 AM - 10:45 AM	ppm	-	1.06	<1.06	No Standard	U.S. Environmental Protection Agency, EPA Method 7	Bangkok
Total Suspended Particulate	10:30 AM - 11:18 AM	mg/m3	-	0.5	1.3	400	U.S. Environmental Protection Agency 40 CFR method 1-5, Appendix A, 2020 (include sampling)	Bangkok

Guideline : Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)
Sampling By : Thanatpong Sirasuntharat วรณัฐนาถ ๖-204-๙-0081

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
[Signature]
Approved by
[Signature]
Assistant General Manager
วรณัฐนาถ ๖-204-๙-0004

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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochelluk, Amphur Thapklor, Phichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :

Lot ID: 2620791
Date Received : Mar 27, 2026
Date Reported : Apr 08, 2026
Report Number: 3522589-2

Page 1 of 1

Sample Number	2620791-1			
Sample Date	Mar 24, 2026			
Sample Description	Emission from Stationary Source			
Location	Electro Winning (Plant 2)			
Date Analysis Commenced	Mar 28, 2026			
Condition of Sample	Extracted into one filter paper placed in plastic petri dish, one 2-L collection flask and two amber plastic bottles, refrigerated			

Stack Description				
Ambient Pressure	748	mmHg	Diameter	0.45
Ambient Temperature	32.0	°C	Shape	Circle
Type of Process	-	-	Stack Temperature	45.5
Type of Fuel	-	-	Moisture	3.54
			Flow Rate (Actual O2)	%
				6070 Nm3/hr
				%
				20.9
				0.0
				11.9
				6070

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Hydrogen cyanide	10:30 AM - 11:00 AM	mg/m3	-	0.01	0.15	NIOSH (1994), P8CAM 116	Bangkok

Sampling By : Thanatpong Sirasuntharat
Remark :
- LOD : Limit of Detection
- "≤" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

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[Signature]
Scientist (3)

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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetluk, Amphur Thapklor, Phichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :

Lot ID: 2620808
Date Received : Mar 27, 2026
Date Reported : Apr 08, 2026
Report Number: 3522600-1

Page 1 of 2

Sample Number	2620808-1
Sampled Date	Mar 25, 2026
Sample Description	Emission from Stationary Source
Location	Carbon Regeneration Plant 10
Date Analysis Commenced	Mar 28, 2026
Condition of Sample	Extracted into one filter paper placed in plastic petri dish, one 10-L air sampling bag and five amber plastic bottles, refrigerated

Stack Description					
Ambient Pressure	749	mmHg	Diameter	0.40	m
Ambient Temperature	35.0	°C	Shape	Circle	
Type of Process	Combustion		Stack Temperature	328	°C
Type of Fuel	LP%		Moisture	10.54	G
			Rate Actual V20	1158	Nm3/hr

Analyte	Sampled Time	Unit	LOQ (LOR)	Result at 7 %O ₂	Guideline Limit	Method	Testing Location
Air Testing							
Carbon Monoxide I	06:20 PM - 06:30 PM	ppm	-	1.0	22.1	U.S. Environmental Protection Agency, EPA Method 10	Bangkok
hydrogen Chloride	06:00 PM - 07:00 PM	mg/m3	-	0.01	1.92	U.S. Environmental Protection Agency 40 CFR method 1-4, 26, 2020 Include sampling	Bangkok
Voxides of Nitrogen I	06:10 PM - 06:20 PM	ppm	-	1.06	24.3	U.S. Environmental Protection Agency, EPA Method 7	Bangkok
Sulfur dioxide I	06:00 PM - 06:30 PM	ppm	-	2.0	* 2.00	U.S. Environmental Protection Agency, EPA Method 6	Bangkok
Total Suspended Particulate	06:00 PM - 06:48 PM	mg/m3	-	0.5	175	U.S. Environmental Protection Agency 40 CFR method 1-5, Appendix A, 2020 Include sampling	Bangkok

Guideline : Notification of the Ministry of Industry 2006 H.E. 25490Published in the Royal Gazette, (ol.123 Special Part. 125 D, dated December 4, 2006 H.E. 25490

Sampling By : Thanapong Sirasuntharat ๖๒๐๔-๖๐๘1

Remark :

Technical Management

Approved by

Scientist H40
๖๒๐๔-๖๐๘1

Assistant General Manager
๖๒๐๔-๖๐๐4

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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetluk, Amphur Thapklor, Phichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :

Lot ID: 2620790
Date Received : Mar 27, 2026
Date Reported : Apr 08, 2026
Report Number: 3522587-2

Page 1 of 1

Sample Number	2620790-1
Sampled Date	Mar 24, 2026
Sample Description	Emission from Stationary Source
Location	Electro Winning (Plant 1)
Date Analysis Commenced	Mar 28, 2026
Condition of Sample	Extracted into one filter paper placed in plastic petri dish and four amber plastic bottles, refrigerated

Stack Description					
Ambient Pressure	748	mmHg	Diameter	0.45	m
Ambient Temperature	32.0	°C	Shape	Circle	
Type of Process	Process		Stack Temperature	34.5	°C
Type of Fuel	-		Moisture	3.04	%
			Flow Rate (Actual O2)	4246	Nm3/hr

Analyte	Sampled Time	Unit	LOQ (LOR)	Result	Method	Testing Location
Air Testing						
Hydrogen cyanide	08:55 AM - 09:25 AM	mg/m3	-	<0.01	NIOSH (1994), P8CAM 116	Bangkok

Sampling By : Thanapong Sirasuntharat

Remark :

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

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P/O : 1011374
Project Name : Air Test
Project Location :

Lot ID: 2620808
Date Received : Mar 27, 2026
Date Reported : Apr 08, 2026
Report Number: 3522600-1

Page 1 of 1

Page 2 of 2

Sample Number 2620808-1
Sampled Date Mar 25, 2026
Sample Description Emission from Stationary Source
Location Carbon Regeneration (Plant 1)
Date Analysis Commenced Mar 28, 2026
Condition of Sample Extracted into one filter paper placed in plastic petri dish, one 10-L air sampling bag and five amber plastic bottles, refrigerated

Stack Description					
Ambient Pressure	749	mmHg	Diameter	0.40	m
Ambient Temperature	35.0	°C	Shape	Circle	%
Type of Process	Combustion		Stack Temperature	328	°C
Type of Fuel	LPG		Moisture	10.54	%
			Flow Rate (Actual O2)		m/s
					Nm3/hr

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

Air Testing							
Hydrogen cyanide	06:30 PM - 07:00 PM	mg/m3	-	0.01	0.23	NIOSH (1994), P&CAM 116	Bangkok

Sampling By : Thanetpong Sirasunthararat

Remark :
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Analysis / Test Report

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P/O : 1011374
Project Name : Air Test
Project Location :

Lot ID: 2620808
Date Received : Mar 27, 2026
Date Reported : Apr 08, 2026
Report Number: 3522600-1

Page 1 of 1

Page 2 of 2

Sample Number 2620808-1
Sampled Date Mar 25, 2026
Sample Description Emission from Stationary Source
Location Carbon Regeneration (Plant 1)
Date Analysis Commenced Mar 28, 2026
Condition of Sample Extracted into one filter paper placed in plastic petri dish, one 10-L air sampling bag and five amber plastic bottles, refrigerated

Stack Description					
Ambient Pressure	749	mmHg	Diameter	0.40	m
Ambient Temperature	35.0	°C	Shape	Circle	%
Type of Process	Combustion		Stack Temperature	328	°C
Type of Fuel	LPG		Moisture	10.54	%
			Flow Rate (Actual V20)		m/s
					Nm3/hr

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

Air Testing							
Hydrogen cyanide	06:30 PM - 07:00 PM	mg/m3	-	0.01	0.23	NIOSH (1994), P&CAM 116	Bangkok

Sampling By : Thanetpong Sirasunthararat

Remark :
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Client: Akara Resources Public Co., Ltd.

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P/O : 1011374

Project Name : Air Test

Project Location :

TESTING
No.0009

Lot ID: 262080S

Date Received : Mar 27, 2026

Date Reported : Apr 08, 2026

Report Number: 3522598-1

Page 1 of 2

pamule Nbmdr 2620807-1

Mar 23, 2026

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Location	Emission from Stationary Source
Carbon Dioxide Plant 20	

Location	Carbon Regeneration Plant 20
...	...

Date y nalf AiA Commences Mar 28, 2026

Consistion okpamule
Extracted into one filter paper placed in plastic petri dish, one 10-L air sampling bag and five amber plastic bottles, refrigerated

ptact DeAcrtion

Variable	Unit	LOD	LOQ (LOE)	Rebit at 5 %O ₂	Methods	Testing Location
Ambient Pressure	mmwg	748		0.40	m	3.5 G
Ambient Temperature	°C	33.0	Shape	Circle	Carbon Dioxide	9.9 G
Type of Process	Combustion		Stack Temperature	398	%s (elcity	11.1 m/s
Type of Fuel	LP%		Moisture	28.35	G Flo) Rate Actual V20	Nm3/hr

Year	Carbon Monoxide I	ppm	U.S. Environmental Protection Agency, EPA	Bangkok
2010	04:00 PM - 04:10 PM	1.0	478	690

Giseline : Notification of the Ministry of Industry 2006 HB.E. 25490 Published in the Royal Government Gazette, (o.123 Special Part 1.25 D, dated December 4, 2006 HB.E. 25490
Damuling BF : Thanatong Sirasuntharat ๓-๒04-๙-0081

Technical Management

y uuroves df

Scientist H#0

ทะเบียนเลขที่ ว-204-จ-0011

Assistant General Manager

ทะเบียนเลขที่ ว-204-Q-0004

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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaocheitluk, Amphur Thapklor, Phichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :

Lot ID: 2620820
Date Received : Mar 27, 2026
Date Reported : Apr 08, 2026
Report Number: 3522610-1

Page 1 of 2

Sample Number	2620820-1
Sample Date	Mar 25, 2026
Sample Description	Emission from Stationary Source
Location	Hot Oil xPlant 1w
Date Analysis Commenced	Mar 28, 2026
Condition of Sample	Extracted into one filter paper placed in plastic petri dish, one 10-L air sampling bag and five amber plastic bottles, refrigerated

Stack Description					
Analyte	Sampled Time	Unit	LOQ (LOR)	Result at 7 %O ₂	Method
Ambient Pressure	749	mmHg	0.40	m	O ₂ en 4.3 V
Ambient Temperature	34.0	°C	Circle		Carbon Dio ² ide 9.5 V
Type of Process	Combustion	Stack Temperature	250	°C	Gas (elocity 5.5 m/s
Type of Fuel	LPG	Moisture	13.99	V	%a) Rate xActual O ₂ w 1200 Nm ³ /hr
Analyte	Sampled Time	Unit	LOQ (LOR)	Result at 7 %O ₂	Method
Air Testing					
Carbon Mono ² ide B	01:40 PM - 01:50 PM	ppm	1.0	U1.00	I .S. Environmental Protection Agency, EPA Method 10
Hydrogen Chloride	01:30 PM - 02:30 PM	mg/m ³	0.01	0.07	I .S. Environmental Protection Agency 40 C9g method 1-4, 26, 2020 xInclude samplingw
O ² ides of Nitrogen B	01:30 PM - 01:40 PM	ppm	1.06	40.8	I .S. Environmental Protection Agency, EPA Method 7
Sulfur dio ² ide B	01:30 PM - 02:00 PM	ppm	2.0	U2.00	I .S. Environmental Protection Agency, EPA Method 6
Total Suspended Particulate	01:30 PM - 02:18 PM	mg/m ³	0.5	1.1	I .S. Environmental Protection Agency 40 C9g method 1-5, Appendice A, 2020 xInclude samplingw

Guideline : Notification of the Ministry of Industry 2006 x-E. 2549wPublished in the Royal Government Gazette, (ol.123 Special Part. 125 D, dated December 4, 2006 x-E. 2549w
Sampling By : Thanapong Sirasunthararat ๖๒๒๒๒๒๒๒ ๖-204-๙-0081
Remark :

Technical Management

Scientist xW
๖๒๒๒๒๒๒๒ ๖-204-๙-0011

Approved by

Assistant General Manager
๖๒๒๒๒๒๒๒ ๖-204-Q-0004

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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaocheitluk, Amphur Thapklor, Phichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :

Lot ID: 2620805
Date Received : Mar 27, 2026
Date Reported : Apr 08, 2026
Report Number: 3522598-2

Page 1 of 1

Sample Number	2620807-1
Sample Date	Mar 23, 2026
Sample Description	Emission from Stationary Source
Location	Carbon Regeneration (Plant 2)
Date ynaif AA Commences	Mar 28, 2026
Consition of Sample	Extracted into one filter paper placed in plastic petri dish, one 10-L air sampling bag and five amber plastic bottles, refrigerated

Stack Description					
Analyte	Sampled Time	Unit	LOQ (LOR)	Result at 5 %O ₂	Method
Ambient Pressure	748	mmHg	0.40	m	Oxygen 3.5 %
Ambient Temperature	33.0	°C	Circle		Carbon Dioxide 9.9 %
Type of Process	Combustion	Stack Temperature	398	°C	Gas Velocity 11.1 m/s
Type of Fuel	LPG	Moisture	28.35	%	Flow Rate (Actual O ₂) 1575 Nm ³ /hr
Analyte	Sampled Time	Unit	LOQ (LOR)	Result at 5 %O ₂	Method
Air Testing					
Hydrogen Cyanide	04:10 PM - 04:40 PM	mg/m ³	0.01	0.14	NIOSH (1994), P8CAM 116

Sampling BF : Thanapong Sirasunthararat
Remark :
- LOD : Limit of Detection
- "x%" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Technical Management

Scientist xW
๖๒๒๒๒๒๒๒ ๖-204-๙-0011

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Analysis / Test Report

Lot ID: 2620820
Date Received : Mar 27, 2026
Date Reported : Apr 08, 2026
Report Number: 3522610-2

Client: Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetrakul,
P/O : 1011374
Project Name : Air Test
Project Location :

Lot ID: 2620820
Date Received : Mar 27,
Date Reported : Apr 08,
Report Number: 3522610

Lot ID: 2620820
Date Received : Mar 27,
Date Reported : Apr 08,
Report Number: 352261

Page 1 of 1

Sample Number	2620820-1						
Sample Date	Mar 25, 2026						
Sample Description	Emission from Stationary Source						
Location	(at) il xPlant 1H						
Date Analysis Commenced	Mar 28, 2026						
Condition of Sample	Extracted into one filter paper placed in plastic petri dish, one 10-L air sampling bag and five amber plastic bottles, refrigerated						
Stack Description							
Ambient Pressure	749	mm(g	Diameter	0.40	m	%O ₂	4.3
Ambient Temperature	34.0	FC	Shape	Circle		Carbon Dio ^{xi} d	9.5
Type of Process	Combustion		Stack Temperature	250	FC	%s Velocity	5.5
Type of Fuel	LP#		Moisture	13.99	O	Glow Rate xActual) 2H	1200
Analyte		Sampled Time	Unit	LOR	Result at 7 %O ₂	Method	Testing Location

Sampling By : Thanatpong Sirasuntharat

Remark :

- L) D : Limit of Detection
- " < " : Lower than L) Q x Limit of Quantitation/ H) R x Limit of Reporting

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ทะเบียนเลขที่ ว-204-Q-0004

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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.

99 Moo 9, Tambon Khaochetluk, Amphur Thapklor, Phichit Thailand 66230

P/O : 1011374

Project Name : Air Test

Project Location :

References

TESTING
No. 0009

Lot ID: 2620814

Date Received : Mar 27, 2026

Date Reported : Apr 08, 2026

Report Number: 3522607-1

Page 1 of 2

Sample Number	2620814-1							
Sample Date	Mar 24, 2026							
Sample Description	Emission from Stationary Source							
Location	Hot Oil xPlant 2w							
Date Analysis Commenced	Mar 28, 2026							
Condition of Sample	Extracted into one filter paper placed in plastic petri dish, one 10-L air sampling bag and five amber plastic bottles, refrigerated							
Stack Description								
Ambient Pressure	748	mmHg	Diameter	0.40	m	O ₂ /O ₂	7.9	V
Ambient Temperature	33.0	°C	Shape	Circle		Carbon Dioxide	7.5	V
Type of Process	Combustion		Stack Temperature	185	°C	Gas Velocity	5.8	m/s
Type of Fuel	LPG		Moisture	10.45	%	Rate Actual	0.2w	Nm ³ /hr
Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Guideline Limit	Method	Testing Location

- LOD : Limit of Detection
- $\sigma^* A : Lo$: Limit of " quantitation/ LOR x Limit of Reporting
- Analytes marked I is/are not included in scope of Accreditation $\leq O/4C 17025$.

Guideline : Notification of the Ministry of Industry 2006 xB.E. 2549wPublished in the Royal Government Gazette, (o.123 Special Part 125 D, dated December 4, 2006 xB.E. 2549w

Sampling By : Thanetpong Sirasuntharat นพตนิมิต 7-204-q-0081

Remark :

Technical Management

Approved by

Scientist x4w
ทะเบียนเลขที่ ว-204-จ-0011

Assistant General Manager

ทะเบียนเลขที่ ว-204-Q-0004

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S:\Reports\Air Stack_GL.rpt (4:08PM)



MM-N08



Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaocheitluk, Amphur Thapklor, Phichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :

Lot ID: 2620797
Date Received : Mar 27, 2026
Date Reported : Apr 08, 2026
Report Number: 3522595-1

Page 1 of 2

Sample Number	2620797-1
Sample Date	Mar 26, 2026
Sample Description	Emission from Stationary Source
Location	Hold Melting Furnace
Date Analysis Commenced	Mar 28, 2026
Condition of Sample	Extracted into one filter paper placed in plastic petri dish, one 10-L air sampling bag, two 2-L collection flask, three amber plastic bottles, refrigerated

Stack Description				
Ambient Pressure	750	mm ² g	Diameter	0.40
Ambient Temperature	33.0	FC	Shape	Circle
Type of Process	Combustion	%Open System	Has Velocity	144
Type of Fuel	LPH		Flow Rate	9.18
			%Actual G2V	1938
			Nm3/hr	

Analyte	Sampled Time	Unit	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing							
Carbon Monoxide I	10:20 AM - 10:30 AM	ppm	-	1.0	1.2	U.S. Environmental Protection Agency, EPA Method 10	Bangkok
Hydrogen Chloride	10:00 AM - 11:00 AM	mg/m3	-	0.01	0.08	U.S. Environmental Protection Agency 40 CFR method 1-4, 26, 2020 %include sampling	Bangkok
Gases of Nitrogen I	10:10 AM - 10:20 AM	ppm	-	1.06	3.78	U.S. Environmental Protection Agency, EPA Method 7	Bangkok
Sulfur dioxide I	10:00 AM - 10:30 AM	ppm	-	2.0	* 2.00	U.S. Environmental Protection Agency, EPA Method 6	Bangkok
Total Suspended Particulate	10:00 AM - 10:48 AM	mg/m3	-	0.5	90.0	U.S. Environmental Protection Agency 40 CFR method 1-5, Appendix A, 2020 %include sampling	Bangkok

Guideline : Notification of the Ministry of Industry 2006 %E. 2549V Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 %E. 2549V
Sampling By : Thanapong Sirasuntharat ๖๒๒๒๒๒๒๒ ๖-204-๙-0081

Remark :



Technical Management

Scientist %W
๖๒๒๒๒๒๒ ๖-204-๙-0011

Approved by

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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
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P/O : 1011374
Project Name : Air Test
Project Location :

Lot ID: 2620814
Date Received : Mar 27, 2026
Date Reported : Apr 08, 2026
Report Number: 3522607-2

Page 1 of 1

Sample Number	2620814-1
Sample Date	Mar 24, 2026
Sample Description	Emission from Stationary Source
Location	(ot.) il xPlant 2H
Date Analysis Commenced	Mar 28, 2026
Condition of Sample	Extracted into one filter paper placed in plastic petri dish, one 10-L air sampling bag and five amber plastic bottles, refrigerated

Stack Description				
Ambient Pressure	748	mm(g	Diameter	0.40
Ambient Temperature	33.0	FC	Shape	Circle
Type of Process	Combustion		Stack Temperature	185
Type of Fuel	LP%		Moisture	10.45
			%s Velocity	FC
			Gow Rate %Actual) 2H	1506
			Nm3/hr	

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Method	Testing Location
Air Testing							
(hydrogen cyanide	12:30 PM - 01:00 PM	mg/m3	-	0.01	0.40	NI) S(xl994H P8CAM 116	Bangkok

Sampling By : Thanapong Sirasuntharat
Remark :
- L) D : Limit of Detection
- %s" : Lower than L) Q Limit of Quantitation/ L) R Limit of Reporting



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MM-N08



Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
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P/O : 1011374
Project Name : Air Test
Project Location :

Lot ID: 2620797
Date Received : Mar 27, 2026
Date Reported : Apr 08, 2026
Report Number: 3522595-2

Page 1 of 1

Sample Number	2620797-1
Sampled Date	Mar 26, 2026
Sample Description	Emission from Stationary Source
Location	(old Melting)urnace
Date Analysis Commenced	Mar 28, 2026
Condition of Sample	Extracted into one filter paper placed in plastic petri dish, three amber plastic bottles, refrigerated

Stack Description					
Ambient Pressure	750	mm ² g	Diameter	0.40	m
Ambient Temperature	33.0	FC	Shape	Circle	
Type of Process	Combustion	%Open System	Stack Temperature	144	m/s
Type of Fuel	LP		Moisture	9.18	V
			MoH Rate	Actual %20	1938 Nm3/hr

Analyte	Sampled Time	Unit	LOQ (LOR)	Result	Method	Testing Location
Air Testing hydrogen cyanide	10:30 AM - 11:00 AM	mg/m3	-	0.01	1.0.01	Qangloek 116

Sampling By : Thanatpong Sirasuntharat

Remark :
- L'90 : Limit of Detection
- 4 < : Lower than L'90 : Limit of " unitationO/ L'90 : Limit of ReportingO

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Scientist GHO

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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
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P/O : 1011374
Project Name : Air Test
Project Location :

Lot ID: 2620797
Date Received : Mar 27, 2026
Date Reported : Apr 08, 2026
Report Number: 3522595-1

Page 2 of 2

Sample Number	2620797-1
Sampled Date	Mar 26, 2026
Sample Description	Emission from Stationary Source
Location	Hold Melting Furnace
Date Analysis Commenced	Mar 28, 2026
Condition of Sample	Extracted into one filter paper placed in plastic petri dish, one 10-L air sampling bag, two 2-L collection flask, three amber plastic bottles, refrigerated

Stack Description					
Ambient Pressure	750	mm ² g	Diameter	0.40	m
Ambient Temperature	33.0	FC	Shape	Circle	
Type of Process	Combustion	%Open System	Stack Temperature	144	FC
Type of Fuel	LPH		Moisture	9.18	(
			Flow Rate	%Actual G2V	1938 Nm3/hr

Analyte	Sampled Time	Unit	LOQ (LOR)	Result	Method	Testing Location
- LGD : Limit of Detection - 4 < : Lower than LG : Limit of " unitationO/ LGR : Limit of ReportingV - Analyte%W/markd I is/are not included in scope of Accreditation -SG/4C 17025.						

Technical Management

Scientist %W

หมายเลข 7-204-Q-0011

Approved by

Assistant General Manager

หมายเลข 7-204-Q-0004

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P/O : 1011374
Project Name : Air Test
Project Location :

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetluk, Amphur Thaplor, Pichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :

Analysis / Test Report

Lot ID: 2620793
Date Received : Mar 27, 2026
Date Reported : Apr 08, 2026
Report Number: 3522593-1

TESTING
No.0009

Page 2 of 2

Sample Number	2620793-1
Sampled Date	Mar 26, 2026
Sample Description	Emission from Stationary Source
Location	Hold Melting Furnace Plant 2w
Date Analysis Commenced	Mar 28, 2026
Condition of Sample	E ² tracted into one filter paper placed in plastic petri dish, one 10-L air sampling bag, tF o 2-L collection flask, three amber plastic bottles, refrigerated

Stack Description						
Ambient Pressure	750	mmHg	Diameter	m	V ² ygen	19.2 (
Ambient Temperature	32.0	°C	Shape	Circle	Carbon Dio ² ide	0.9 (
Type of Process	Combustion xPen Systemw		Stack Temperature	98.7	Has ² elocity	12.4 m/s
Type of Quel	LPH		Moisture	9.40	CoF Rate xActual V2w	9019 Nm3/hr
Analyte	Sampled Time	Unit	LOD	Result	Guideline Limit	Testing Location

- LVD : Limit of Detection
- ๙๙๙ : LoFer than LV² xLimit of Reporting
- Analytesmarked 1 is/are not included in scope of Accreditation ๙SI/๙EC.17025.

Air Testing						
Carbon Mono ² ide I	08:50 AM - 09:00 AM	ppm	-	1.0	690	U.S. Environmental Protection Agency, EPA Method 10
%hydrogen Chloride	08:30 AM - 09:30 AM	mg/m3	-	0.01	160	U.S. Environmental Protection Agency 40 CDR method 1-4, 26, 2020 xclude samplingw
V ² ides of Nitrogen I	08:40 AM - 08:50 AM	ppm	-	1.06	200	U.S. Environmental Protection Agency, EPA Method 7
Sulfur dio ² ide I	08:30 AM - 09:00 AM	ppm	-	*2.00	60	U.S. Environmental Protection Agency, EPA Method 6
Total Suspended Particulate	08:30 AM - 09:24 AM	mg/m3	-	0.5	320	U.S. Environmental Protection Agency 40 CDR method 1-5, Appendix A, 2020 xclude samplingw

Guideline : Notification of the Ministry of Industry 2006 ๙B.E. 2549wPublished in the Royal Government Gazette, ๓ol.123 Special Part 125 D, dated December 4, 2006 ๙B.E. 2549w
Sampling By : Thanatpong Sirasuntharat ๓๙๓๓๓๓๓๓ ๓-204-๓-0081

Remark :

Technical Management

Approved by

Scientist ๔๔w
๓๙๓๓๓๓๓๓ ๓-204-๓-0011

Assistant General Manager
๓๙๓๓๓๓๓๓ ๓-204-Q-0004

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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khachetluk, Amphur Thapklor, Phichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :

Lot ID: 2620793
Date Received : Mar 27, 2026
Date Reported : Apr 08, 2026
Report Number: 3522593-2

Page 1 of 1

Sample Number	2620793-1							
Sampled Date	Mar 26, 2026							
Sample Description	Emission from Stationary Source							
Location	(old Melting)urnace xPlant 2H							
Date Analysis Commenced	Mar 28, 2026							
Condition of Sample	E ⁿ tracted into one filter paper placed in plastic petri dish, one 10-L air sampling bag, t ^r o 2-L collection flask, three amber plastic bottles, refrigerated							
Stack Description								
Ambient Pressure	750	mmHg	Diameter	0.60	m	O ² ygen	19.2	V
Ambient Temperature	32.0	%	Shape	Circle		Carbon Dio ² ide	0.9	V
Type of Process	Combustion xOpen SystemH		Stack Temperature	98.7	%	(as velocity	12.4	m/s
Type of Fuel	LP(		Moisture	9.40	V	)of Rate xActual O ₂ H	9019	Nm ³ /hr
Analyte		Sampled Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing								
Hydrogen cyanide		09:00 AM - 09:30 AM	mg/m3	-	0.01	0.05	NIOSG x1994H P8CAM 116	Bangkok

Sampling By : Thanatpong Sirasunthararat

Remark :
- LOD : Limit of Detection
- "x" : LOR or than LOQ xLimit of Quantitation/ LOR xLimit of ReportingH



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SCIENTIST XTH



Analysis / Test Report

Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaocheduk, Amphur Thapkror, Phichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :
Lot ID: 2641638
Date Received : May 27, 2026
Date Reported : May 30, 2026
Report Number: 3585065-1

Lot ID: 2641638
Date Received : May 27, 2026
Date Reported : May 30, 2026
Report Number: 3585064-1

Page 1 of 1

Page 1 of 1

Sample Number	2641638-2			
	Noise (Leq 24 hrs.)			
Parameter	Ban Dong Long (GPS 47Q 0678213, 1802154)			
Location	May 19 - May 20, 2026			
Measurement Date	Vanich Phantipit			
Measurement by	Serial No. 597155			
Sound Level meter				
	Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
	03:00 PM - 04:00 PM	44.9	63.1	39.7
	04:00 PM - 05:00 PM	42.9	68.4	37.6
	05:00 PM - 06:00 PM	48.6	79.9	37.2
	06:00 PM - 07:00 PM	45.1	69.7	35.6
	07:00 PM - 08:00 PM	55.5	68.2	38.1
	08:00 PM - 09:00 PM	52.5	73.9	49.3
	09:00 PM - 10:00 PM	52.1	59.8	47.9
	10:00 PM - 11:00 PM	44.8	58.2	41.9
	11:00 PM - 12:00 AM	41.9	53.8	38.1
	12:00 AM - 01:00 AM	41.2	55.6	38.8
	01:00 AM - 02:00 AM	41.8	60.7	38.3
	02:00 AM - 03:00 AM	40.3	63.1	37.3
	03:00 AM - 04:00 AM	40.3	53.0	39.1
	04:00 AM - 05:00 AM	41.3	63.7	39.3
	05:00 AM - 06:00 AM	45.3	63.6	42.5
	06:00 AM - 07:00 AM	57.5	73.1	39.3
	07:00 AM - 08:00 AM	46.4	75.5	35.8
	08:00 AM - 09:00 AM	43.3	65.9	36.2
	09:00 AM - 10:00 AM	46.0	75.5	36.3
	10:00 AM - 11:00 AM	55.6	69.4	37.4
	11:00 AM - 12:00 PM	51.3	69.3	39.8
	12:00 PM - 01:00 PM	45.0	66.4	39.7
	01:00 PM - 02:00 PM	47.6	71.9	38.3
	02:00 PM - 03:00 PM	40.8	67.8	36.3

Orawan R.
Orawan Rakyong
Scientist (3)

Approved by

Section Head

Technical Management

Scientist (3)

Approved by

Section Head



Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaocheduk, Amphur Thapkror, Phichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :
Lot ID: 2641638
Date Received : May 27, 2026
Date Reported : May 30, 2026
Report Number: 3585067-1

Page 1 of 1

Sample Number	2641638-4			
	Noise (Leq 24 hrs.)			
Parameter	Ban Dong Long (GPS 47Q 0678213, 1802154)			
Location	May 21 - May 22, 2026			
Measurement Date	Vanich Phantipit			
Measurement by	Serial No. 597155			
Sound Level meter				
	Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
	03:00 PM - 04:00 PM	53.6	73.2	36.2
	04:00 PM - 05:00 PM	47.4	69.1	37.3
	05:00 PM - 06:00 PM	48.1	69.0	35.5
	06:00 PM - 07:00 PM	41.9	75.1	33.5
	07:00 PM - 08:00 PM	57.9	68.6	35.3
	08:00 PM - 09:00 PM	53.2	67.2	41.3
	09:00 PM - 10:00 PM	45.8	62.3	44.3
	10:00 PM - 11:00 PM	57.2	94.6	44.1
	11:00 PM - 12:00 AM	54.5	70.5	43.8
	12:00 AM - 01:00 AM	43.8	59.7	41.8
	01:00 AM - 02:00 AM	44.5	70.7	40.9
	02:00 AM - 03:00 AM	42.5	66.8	40.5
	03:00 AM - 04:00 AM	41.4	53.1	39.2
	04:00 AM - 05:00 AM	42.0	60.8	37.7
	05:00 AM - 06:00 AM	46.9	75.3	40.7
	06:00 AM - 07:00 AM	58.3	76.3	44.4
	07:00 AM - 08:00 AM	51.9	68.9	39.0
	08:00 AM - 09:00 AM	48.3	76.4	37.0
	09:00 AM - 10:00 AM	50.5	71.0	36.8
	10:00 AM - 11:00 AM	49.7	67.9	38.8
	11:00 AM - 12:00 PM	57.2	70.2	40.2
	12:00 PM - 01:00 PM	45.5	62.9	39.2
	01:00 PM - 02:00 PM	58.8	68.3	38.9
	02:00 PM - 03:00 PM	60.4	72.9	37.1

Technical Management

Scientist (3)

Approved by

Section Head

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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaocheduk, Amphur Thapkror, Phichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :
Lot ID: 2641638
Date Received : May 27, 2026
Date Reported : May 30, 2026
Report Number: 3585066-1

Page 1 of 1

Sample Number	2641638-3			
	Noise (Leq 24 hrs.)			
Parameter	Ban Dong Long (GPS 47Q 0678213, 1802154)			
Location	May 20 - May 21, 2026			
Measurement Date	Vanich Phantipit			
Measurement by	Serial No. 597155			
Sound Level meter				
	Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
	03:00 PM - 04:00 PM	42.3	71.1	36.1
	04:00 PM - 05:00 PM	48.8	69.1	36.2
	05:00 PM - 06:00 PM	46.7	76.6	35.1
	06:00 PM - 07:00 PM	48.3	70.0	33.9
	07:00 PM - 08:00 PM	50.3	78.9	33.8
	08:00 PM - 09:00 PM	49.8	75.3	41.0
	09:00 PM - 10:00 PM	46.1	58.6	44.8
	10:00 PM - 11:00 PM	45.2	62.0	43.1
	11:00 PM - 12:00 AM	44.4	66.7	42.5
	12:00 AM - 01:00 AM	42.4	68.2	40.6
	01:00 AM - 02:00 AM	42.2	56.6	40.0
	02:00 AM - 03:00 AM	45.8	62.1	39.4
	03:00 AM - 04:00 AM	54.9	67.3	50.8
	04:00 AM - 05:00 AM	51.4	58.7	45.0
	05:00 AM - 06:00 AM	44.4	55.9	40.1
	06:00 AM - 07:00 AM	51.1	76.8	46.2
	07:00 AM - 08:00 AM	50.0	69.3	41.1
	08:00 AM - 09:00 AM	57.4	91.0	38.7
	09:00 AM - 10:00 AM	44.9	71.3	35.1
	10:00 AM - 11:00 AM	51.8	71.7	35.2
	11:00 AM - 12:00 PM	56.1	71.6	40.8
	12:00 PM - 01:00 PM	43.8	69.2	36.6
	01:00 PM - 02:00 PM	54.4	64.9	36.9
	02:00 PM - 03:00 PM	52.2	78.4	37.8

Technical Management

Scientist (3)

Approved by

Section Head

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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaocheduk, Amphur Thapkor, Phidit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :
Lot ID: 2641638
Date Received : May 27, 2026
Date Reported : May 30, 2026
Report Number: 3585069-1

Sample Number Parameter Location Measurement Date Measurement by Sound Level meter	2641638-6			
	Noise (Leq 24 hrs.)			
	Ban Dong Long (GPS 47Q 0678213, 1802154)			
	May 23 - May 24, 2026			
	Vanich Phantipit			
	Serial No. 597155			
	Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
	03:00 PM - 04:00 PM	56.3	69.6	34.9
	04:00 PM - 05:00 PM	58.2	67.8	37.3
	05:00 PM - 06:00 PM	47.3	71.7	34.5
	06:00 PM - 07:00 PM	43.7	71.2	32.4
	07:00 PM - 08:00 PM	44.5	70.7	34.2
	08:00 PM - 09:00 PM	54.7	69.1	38.7
09:00 PM - 10:00 PM	52.2	81.0	41.9	
10:00 PM - 11:00 PM	47.8	63.2	46.5	
11:00 PM - 12:00 AM	46.4	63.1	45.3	
12:00 AM - 01:00 AM	56.5	83.5	44.3	
01:00 AM - 02:00 AM	44.7	68.5	43.5	
02:00 AM - 03:00 AM	45.1	70.5	40.4	
03:00 AM - 04:00 AM	43.2	72.1	40.2	
04:00 AM - 05:00 AM	41.8	68.2	39.8	
05:00 AM - 06:00 AM	40.6	52.1	38.6	
06:00 AM - 07:00 AM	43.5	56.2	40.4	
07:00 AM - 08:00 AM	60.4	77.8	45.2	
08:00 AM - 09:00 AM	49.2	75.8	38.9	
09:00 AM - 10:00 AM	51.6	77.6	36.7	
10:00 AM - 11:00 AM	55.5	74.8	35.7	
11:00 AM - 12:00 PM	62.0	69.6	48.2	
12:00 PM - 01:00 PM	49.4	71.1	35.0	
01:00 PM - 02:00 PM	56.5	72.6	33.7	
02:00 PM - 03:00 PM	58.9	69.2	36.4	

Technical Management

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Scientist (3)

Section Head



Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaocheduk, Amphur Thapkor, Phidit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :
Lot ID: 2641638
Date Received : May 27, 2026
Date Reported : May 30, 2026
Report Number: 3585068-1

2641638-5			
Sample Number	Noise (Leq 24 hrs.)		
Parameter	Ban Dong Long (GPS 47Q 0678213, 1802154)		
Location	May 22 - May 23, 2026		
Measurement Date	Vanich Phantipit		
Measurement by	Serial No. 597155		
Sound Level meter			
	Time	Leq (dB(A))	Lmax (dB(A))
			L90 (dB(A))
	03:00 PM - 04:00 PM	55.2	67.2
	04:00 PM - 05:00 PM	47.8	64.2
	05:00 PM - 06:00 PM	46.1	71.4
	06:00 PM - 07:00 PM	44.3	68.9
	07:00 PM - 08:00 PM	56.3	78.2
	08:00 PM - 09:00 PM	46.9	65.1
	09:00 PM - 10:00 PM	46.3	52.6
	10:00 PM - 11:00 PM	44.9	58.8
	11:00 PM - 12:00 AM	44.2	57.4
	12:00 AM - 01:00 AM	41.7	55.1
	01:00 AM - 02:00 AM	42.4	61.4
	02:00 AM - 03:00 AM	45.6	73.3
	03:00 AM - 04:00 AM	40.0	54.6
	04:00 AM - 05:00 AM	47.1	75.7
	05:00 AM - 06:00 AM	50.8	79.6
	06:00 AM - 07:00 AM	59.1	72.7
	07:00 AM - 08:00 AM	66.0	100.0
	08:00 AM - 09:00 AM	64.7	99.1
	09:00 AM - 10:00 AM	58.6	73.8
	10:00 AM - 11:00 AM	58.1	69.1
	11:00 AM - 12:00 PM	56.0	67.1
	12:00 PM - 01:00 PM	49.7	71.9
	01:00 PM - 02:00 PM	40.0	68.3
	02:00 PM - 03:00 PM	61.8	69.0

Technical Management

Approved by

Scientist (3)

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Analysis / Test Report

Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaocheduk, Amphur Thaplor, Phichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :

Lot ID: 2641638
Date Received : May 27, 2026
Date Reported : May 30, 2026
Report Number: 3585070-1

Page 1 of 1

Sample Number	2641638-8
Parameter	Noise (Leq 24 hrs.)
Location	Ban Khao Mor (GPS 47Q 0675729, 1804277)
Measurement Date	May 18 - May 19, 2026
Measurement by	Vanich Phantipit
Sound Level meter	Serial No. 597156

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 PM - 05:00 PM	50.6	64.4	40.1
05:00 PM - 06:00 PM	45.7	70.9	41.5
06:00 PM - 07:00 PM	47.5	69.5	37.5
07:00 PM - 08:00 PM	48.3	80.8	36.0
08:00 PM - 09:00 PM	46.2	61.6	41.7
09:00 PM - 10:00 PM	44.3	55.3	40.8
10:00 PM - 11:00 PM	45.1	58.4	42.8
11:00 PM - 12:00 AM	44.2	56.7	39.9
12:00 AM - 01:00 AM	45.5	56.9	42.0
01:00 AM - 02:00 AM	41.6	62.4	39.1
02:00 AM - 03:00 AM	44.7	55.8	41.9
03:00 AM - 04:00 AM	43.4	53.7	40.5
04:00 AM - 05:00 AM	40.4	54.5	36.8
05:00 AM - 06:00 AM	51.9	67.0	40.6
06:00 AM - 07:00 AM	48.7	72.1	41.1
07:00 AM - 08:00 AM	45.8	62.2	39.0
08:00 AM - 09:00 AM	48.8	67.1	45.0
09:00 AM - 10:00 AM	51.6	61.8	45.8
10:00 AM - 11:00 AM	47.5	62.4	41.0
11:00 AM - 12:00 PM	48.1	66.2	42.1
12:00 PM - 01:00 PM	45.5	59.3	39.5
01:00 PM - 02:00 PM	47.8	63.2	39.7
02:00 PM - 03:00 PM	49.1	70.8	39.4
03:00 PM - 04:00 PM	44.9	63.5	39.2
Leq Average 24 hrs. (dB(A))	47.4		
Lmax (dB(A))	80.8		
L90 (dB(A))			40.5
Ldn (dB(A))	53.1		
Standard (dB(A))	70	115	
Reference Method	: ISO1996-1 and 1996-2		
Standard	: 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดระดับเสียงการรบกวน และระดับเสียงที่ได้จากการประกอบกิจการ โรงงาน พ.ศ. 2548		

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Scientist (3)

Section Head

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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochethuk, Amphur Thaplor, Phichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :

Lot ID: 2641638

Date Received : May 27, 2026
Date Reported : May 30, 2026
Report Number: 3585073-1

Page 1 of 1

Sample Number	2641638-10			
	Noise (Leq 24 hrs.)			
Parameter	Ban Khao Mor (GPS 47Q 0675729, 1804277)			
Location	May 20 - May 21, 2026			
Measurement Date	Vanich Phanpitt			
Measurement by	Serial No. 597156			
Sound Level meter				
Time		Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
	04:00 PM - 05:00 PM	47.5	64.0	40.8
	05:00 PM - 06:00 PM	47.6	67.1	39.8
	06:00 PM - 07:00 PM	45.4	61.0	40.4
	07:00 PM - 08:00 PM	47.2	72.1	41.0
	08:00 PM - 09:00 PM	50.9	64.3	43.5
	09:00 PM - 10:00 PM	47.8	65.9	46.3
	10:00 PM - 11:00 PM	46.9	59.3	45.8
	11:00 PM - 12:00 AM	45.9	60.2	43.9
	12:00 AM - 01:00 AM	46.0	64.6	41.4
	01:00 AM - 02:00 AM	47.7	63.4	39.9
	02:00 AM - 03:00 AM	42.5	50.1	39.2
	03:00 AM - 04:00 AM	54.0	72.7	50.2
	04:00 AM - 05:00 AM	50.7	68.7	47.6
	05:00 AM - 06:00 AM	46.8	66.9	38.2
	06:00 AM - 07:00 AM	46.4	71.5	40.3
	07:00 AM - 08:00 AM	56.0	72.9	41.5
	08:00 AM - 09:00 AM	54.4	77.2	42.2
	09:00 AM - 10:00 AM	61.3	89.0	41.7
	10:00 AM - 11:00 AM	52.9	70.8	47.5
11:00 AM - 12:00 PM	52.6	67.2	45.6	
12:00 PM - 01:00 PM	47.2	67.2	40.5	
01:00 PM - 02:00 PM	46.7	67.3	40.6	
02:00 PM - 03:00 PM	47.9	65.8	40.7	
03:00 PM - 04:00 PM	51.8	68.0	40.4	

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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochethuk, Amphur Thaplor, Phichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :

Lot ID: 2641638

Date Received : May 27, 2026
Date Reported : May 30, 2026
Report Number: 3585072-1

Page 1 of 1

Sample Number	2641638-9			
	Noise (Leq 24 hrs.)			
Parameter	Ban Khao Mor (GPS 47Q 0675729, 1804277)			
Location	May 19 - May 20, 2026			
Measurement Date	Vanich Phantipit			
Measurement by	Serial No. 597156			
Sound Level meter				
	Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
	04:00 PM - 05:00 PM	47.2	74.8	36.6
	05:00 PM - 06:00 PM	46.3	62.5	36.5
	06:00 PM - 07:00 PM	44.4	65.6	35.1
	07:00 PM - 08:00 PM	46.5	68.3	35.8
	08:00 PM - 09:00 PM	48.3	68.6	42.0
	09:00 PM - 10:00 PM	50.8	66.5	48.3
	10:00 PM - 11:00 PM	47.2	64.0	44.8
	11:00 PM - 12:00 AM	44.5	58.5	42.0
	12:00 AM - 01:00 AM	45.3	57.1	42.0
	01:00 AM - 02:00 AM	44.2	56.2	41.5
	02:00 AM - 03:00 AM	41.8	55.6	40.2
	03:00 AM - 04:00 AM	39.6	54.0	37.7
	04:00 AM - 05:00 AM	39.4	59.2	37.3
	05:00 AM - 06:00 AM	38.3	60.5	35.7
	06:00 AM - 07:00 AM	52.4	81.1	38.6
	07:00 AM - 08:00 AM	49.9	68.2	43.0
	08:00 AM - 09:00 AM	54.0	82.9	42.2
	09:00 AM - 10:00 AM	50.0	76.8	42.2
	10:00 AM - 11:00 AM	52.1	70.6	47.3
	11:00 AM - 12:00 PM	47.5	61.6	42.7
	12:00 PM - 01:00 PM	56.6	79.9	38.5
	01:00 PM - 02:00 PM	52.7	71.4	40.1
	02:00 PM - 03:00 PM	59.4	84.1	38.8
	03:00 PM - 04:00 PM	53.2	73.1	39.1

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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochutluk, Amphur Thaplor, Phichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :

Lot ID: 2641638
Date Received : May 27, 2026
Date Reported : May 30, 2026
Report Number: 3585075-1

Page 1 of 1

Sample Number	2641638-12
Parameter	Noise (Leq 24 hrs.)
Location	Ban Khao Mor (GPS 47Q 0675729, 1804277)
Measurement Date	May 22 - May 23, 2026
Measurement by	Vanich Phantipit
Sound Level meter	Serial No. 597156
Time	
04:00 PM - 05:00 PM	59.3
05:00 PM - 06:00 PM	50.0
06:00 PM - 07:00 PM	46.4
07:00 PM - 08:00 PM	46.6
08:00 PM - 09:00 PM	52.7
09:00 PM - 10:00 PM	51.9
10:00 PM - 11:00 PM	49.1
11:00 PM - 12:00 AM	48.7
12:00 AM - 01:00 AM	49.6
01:00 AM - 02:00 AM	48.0
02:00 AM - 03:00 AM	47.1
03:00 AM - 04:00 AM	48.1
04:00 AM - 05:00 AM	46.3
05:00 AM - 06:00 AM	46.1
06:00 AM - 07:00 AM	47.3
07:00 AM - 08:00 AM	53.9
08:00 AM - 09:00 AM	49.4
09:00 AM - 10:00 AM	46.4
10:00 AM - 11:00 AM	51.8
11:00 AM - 12:00 PM	53.4
12:00 PM - 01:00 PM	45.5
01:00 PM - 02:00 PM	54.7
02:00 PM - 03:00 PM	48.1
03:00 PM - 04:00 PM	52.9
Leq Average 24 hrs. (dB(A))	
51.4	
Lmax (dB(A))	
91.0	
L90 (dB(A))	
43.5	
Ldn (dB(A))	
55.4	
Standard (dB(A))	
70	
Reference Method : ISO1996-1 and 1996-2	
Standard : 1. ประกาศกรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป	
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดระดับเสียงการรบกวน และระดับเสียงที่ได้จากการประกอบกิจการ	
โรงงาน พ.ศ. 2548	

Orawan R.
Orawan Rakyong
Scientist (3)

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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochutluk, Amphur Thaplor, Phichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :

Lot ID: 2641638
Date Received : May 27, 2026
Date Reported : May 30, 2026
Report Number: 3585074-1

Page 1 of 1

Sample Number	2641638-11
Parameter	Noise (Leq 24 hrs.)
Location	Ban Khao Mor (GPS 47Q 0675729, 1804277)
Measurement Date	May 21 - May 22, 2026
Measurement by	Vanich Phantipit
Sound Level meter	Serial No. 597156
Time	
04:00 PM - 05:00 PM	45.2
05:00 PM - 06:00 PM	45.9
06:00 PM - 07:00 PM	49.3
07:00 PM - 08:00 PM	48.2
08:00 PM - 09:00 PM	57.3
09:00 PM - 10:00 PM	54.6
10:00 PM - 11:00 PM	47.2
11:00 PM - 12:00 AM	46.5
12:00 AM - 01:00 AM	47.5
01:00 AM - 02:00 AM	47.1
02:00 AM - 03:00 AM	45.5
03:00 AM - 04:00 AM	45.6
04:00 AM - 05:00 AM	45.1
05:00 AM - 06:00 AM	43.1
06:00 AM - 07:00 AM	42.5
07:00 AM - 08:00 AM	58.9
08:00 AM - 09:00 AM	50.4
09:00 AM - 10:00 AM	48.1
10:00 AM - 11:00 AM	51.7
11:00 AM - 12:00 PM	46.1
12:00 PM - 01:00 PM	47.3
01:00 PM - 02:00 PM	48.3
02:00 PM - 03:00 PM	49.5
03:00 PM - 04:00 PM	58.4
Leq Average 24 hrs. (dB(A))	
51.6	
Lmax (dB(A))	
87.4	
L90 (dB(A))	
54.4	
Ldn (dB(A))	
70	
Standard (dB(A))	
115	
Reference Method : ISO1996-1 and 1996-2	
Standard : 1. ประกาศกรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป	
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดระดับเสียงการรบกวน และระดับเสียงที่ได้จากการประกอบกิจการ	
โรงงาน พ.ศ. 2548	

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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochethuk, Amphur Thapkror, Phichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :
Lot ID: 2641638
Date Received : May 27, 2026
Date Reported : May 30, 2026
Report Number: 3585077-1

Page 1 of 1

Sample Number	2641638-14
Parameter	Noise (Leq 24 hrs.)
Location	Ban Khao Mor (GPS 47Q 0675729, 1804277)
Measurement Date	May 24 - May 25, 2026
Measurement by	Vanich Phantipit
Sound Level meter	Serial No. 597156

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 PM - 05:00 PM	48.0	68.8	37.2
05:00 PM - 06:00 PM	43.9	66.0	36.8
06:00 PM - 07:00 PM	48.7	65.3	37.7
07:00 PM - 08:00 PM	57.2	67.7	38.5
08:00 PM - 09:00 PM	55.4	69.7	38.2
09:00 PM - 10:00 PM	55.1	70.4	38.8
10:00 PM - 11:00 PM	60.5	75.6	40.1
11:00 PM - 12:00 AM	56.8	63.5	41.2
12:00 AM - 01:00 AM	58.9	62.5	49.7
01:00 AM - 02:00 AM	58.7	62.9	47.2
02:00 AM - 03:00 AM	58.9	62.2	49.8
03:00 AM - 04:00 AM	57.8	63.9	47.0
04:00 AM - 05:00 AM	55.6	68.2	45.4
05:00 AM - 06:00 AM	43.1	58.7	39.8
06:00 AM - 07:00 AM	41.7	60.4	39.2
07:00 AM - 08:00 AM	44.2	54.9	40.7
08:00 AM - 09:00 AM	44.1	59.6	40.1
09:00 AM - 10:00 AM	62.8	78.3	44.4
10:00 AM - 11:00 AM	50.2	78.9	43.0
11:00 AM - 12:00 PM	57.4	69.9	41.9
12:00 PM - 01:00 PM	60.5	67.9	55.5
01:00 PM - 02:00 PM	55.5	77.1	38.2
02:00 PM - 03:00 PM	47.5	65.3	38.6
03:00 PM - 04:00 PM	43.9	68.0	35.9
Leq Average 24 hrs. (dB(A))	56.4		
Lmax (dB(A))	78.9		
L90 (dB(A))			40.1
Ldn (dB(A))	63.6		
Standard (dB(A))	70	115	
Reference Method	: ISO1996-1 and 1996-2		
Standard	: 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดระดับเสียงการรบกวน และระดับเสียงที่ได้จากการประกอบกิจการ โรงงาน พ.ศ. 2548		

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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochethuk, Amphur Thapkror, Phichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :
Lot ID: 2641638
Date Received : May 27, 2026
Date Reported : May 30, 2026
Report Number: 3585076-1

Page 1 of 1

Sample Number	2641638-13
Parameter	Noise (Leq 24 hrs.)
Location	Ban Khao Mor (GPS 47Q 0675729, 1804277)
Measurement Date	May 23 - May 24, 2026
Measurement by	Vanich Phantipit
Sound Level meter	Serial No. 597156

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 PM - 05:00 PM	55.6	80.0	39.4
05:00 PM - 06:00 PM	47.7	72.1	38.5
06:00 PM - 07:00 PM	45.5	70.2	37.8
07:00 PM - 08:00 PM	49.3	79.2	36.7
08:00 PM - 09:00 PM	51.2	73.1	37.6
09:00 PM - 10:00 PM	53.9	67.1	39.5
10:00 PM - 11:00 PM	48.8	62.0	45.3
11:00 PM - 12:00 AM	50.2	61.6	48.7
12:00 AM - 01:00 AM	50.5	62.5	48.4
01:00 AM - 02:00 AM	47.5	57.2	45.6
02:00 AM - 03:00 AM	46.3	58.2	43.5
03:00 AM - 04:00 AM	52.0	63.8	47.3
04:00 AM - 05:00 AM	50.1	61.2	45.1
05:00 AM - 06:00 AM	46.7	57.7	44.3
06:00 AM - 07:00 AM	45.8	67.3	42.6
07:00 AM - 08:00 AM	43.8	69.7	39.2
08:00 AM - 09:00 AM	59.6	69.1	45.8
09:00 AM - 10:00 AM	54.8	72.4	43.8
10:00 AM - 11:00 AM	53.8	67.0	42.1
11:00 AM - 12:00 PM	63.0	67.7	61.0
12:00 PM - 01:00 PM	54.3	76.4	39.2
01:00 PM - 02:00 PM	53.7	80.6	38.4
02:00 PM - 03:00 PM	49.6	69.0	38.1
03:00 PM - 04:00 PM	53.0	66.4	36.0
Leq Average 24 hrs. (dB(A))	53.9		
Lmax (dB(A))		80.6	
L90 (dB(A))			42.1
Ldn (dB(A))	57.2		
Standard (dB(A))	70	115	
Reference Method	: ISO1996-1 and 1996-2		
Standard	: 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดระดับเสียงการรบกวน และระดับเสียงที่ได้จากการประกอบกิจการ โรงงาน พ.ศ. 2548		

Technical Management

Scientist (3)

Approved by

Supot Salameh
Section Head

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



Analysis / Test Report

Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochethuk, Amphur Thapkror, Phichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :

Lot ID: 2641638
Date Received : May 27, 2026
Date Reported : May 30, 2026
Report Number: 3585079-1

Page 1 of 1

Sample Number	2641638-16			
	Noise (Leq 24 hrs.)			
Parameter	Ban Long Du (GPS 47Q 0671979, 1799055)			
Location	May 19 - May 20, 2026			
Measurement Date	Vanich Phantipit			
Measurement by	Serial No. 597159			
Sound Level meter				
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))	
04:00 PM - 05:00 PM	50.1	72.8	41.5	
05:00 PM - 06:00 PM	58.5	76.7	41.1	
06:00 PM - 07:00 PM	64.0	76.9	41.4	
07:00 PM - 08:00 PM	49.4	80.5	45.4	
08:00 PM - 09:00 PM	55.2	97.0	46.4	
09:00 PM - 10:00 PM	44.9	66.3	41.8	
10:00 PM - 11:00 PM	47.8	91.1	40.4	
11:00 PM - 12:00 AM	42.3	63.7	40.5	
12:00 AM - 01:00 AM	45.0	59.1	41.2	
01:00 AM - 02:00 AM	46.6	62.0	41.7	
02:00 AM - 03:00 AM	48.2	51.7	46.3	
03:00 AM - 04:00 AM	47.3	63.8	44.4	
04:00 AM - 05:00 AM	63.1	89.5	48.5	
05:00 AM - 06:00 AM	59.3	73.2	45.0	
06:00 AM - 07:00 AM	52.8	76.4	42.7	
07:00 AM - 08:00 AM	51.0	76.9	41.5	
08:00 AM - 09:00 AM	59.9	89.2	43.1	
09:00 AM - 10:00 AM	58.5	78.8	43.1	
10:00 AM - 11:00 AM	55.8	87.7	44.9	
11:00 AM - 12:00 PM	55.1	89.4	49.2	
12:00 PM - 01:00 PM	52.6	75.2	44.7	
01:00 PM - 02:00 PM	51.9	76.1	42.6	
02:00 PM - 03:00 PM	57.1	71.0	45.5	
03:00 PM - 04:00 PM	56.6	75.1	45.8	

Technical Management

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Page 1 of 1

Sample Number	2641638-15			
	Noise (Leq 24 hrs.)			
Parameter	Ban Long Du (GPS 47Q 0671979, 1799055)			
Location	May 18 - May 19, 2026			
Measurement Date	Vanich Phantipit			
Measurement by	Serial No. 597159			
Sound Level meter				
	Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
	04:00 PM - 05:00 PM	50.1	73.6	41.7
	05:00 PM - 06:00 PM	65.1	73.3	43.0
	06:00 PM - 07:00 PM	59.3	84.5	41.7
	07:00 PM - 08:00 PM	43.9	63.9	42.1
	08:00 PM - 09:00 PM	44.0	66.6	41.9
	09:00 PM - 10:00 PM	43.6	68.8	41.8
	10:00 PM - 11:00 PM	42.9	56.2	41.8
	11:00 PM - 12:00 AM	42.8	51.6	41.5
	12:00 AM - 01:00 AM	42.9	53.8	41.1
	01:00 AM - 02:00 AM	44.9	58.3	41.9
	02:00 AM - 03:00 AM	46.7	70.0	42.7
	03:00 AM - 04:00 AM	47.6	68.6	42.0
	04:00 AM - 05:00 AM	66.8	87.3	49.9
	05:00 AM - 06:00 AM	51.8	77.8	43.9
	06:00 AM - 07:00 AM	51.5	73.8	42.9
	07:00 AM - 08:00 AM	49.4	72.4	41.2
	08:00 AM - 09:00 AM	58.2	84.1	41.4
	09:00 AM - 10:00 AM	54.0	71.5	44.6
	10:00 AM - 11:00 AM	57.2	81.8	44.8
	11:00 AM - 12:00 PM	52.7	74.1	41.6
	12:00 PM - 01:00 PM	59.1	72.0	44.6
	01:00 PM - 02:00 PM	50.4	74.2	43.4
	02:00 PM - 03:00 PM	50.4	70.3	43.3
	03:00 PM - 04:00 PM	52.7	78.6	43.0

Technical Management

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



Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaocheduk, Amphur Thapkror, Phichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :
Lot ID: 2641638
Date Received : May 27, 2026
Date Reported : May 30, 2026
Report Number: 3585081-1

Sample Number		2641638-18	
Parameter		Noise (Leq 24 hrs.)	
Location		Ban Long Du (GPS 47Q 0671979, 1799055)	
Measurement Date		May 21 - May 22, 2026	
Measurement by		Vanich Phantipit	
Sound Level meter		Serial No. 597159	
Time		Leq (dB(A))	Lmax (dB(A))
04:00 PM - 05:00 PM		58.3	78.8
05:00 PM - 06:00 PM		52.3	79.1
06:00 PM - 07:00 PM		56.0	75.7
07:00 PM - 08:00 PM		62.5	71.7
08:00 PM - 09:00 PM		57.1	71.0
09:00 PM - 10:00 PM		49.9	58.7
10:00 PM - 11:00 PM		56.9	92.0
11:00 PM - 12:00 AM		50.4	72.2
12:00 AM - 01:00 AM		49.8	59.7
01:00 AM - 02:00 AM		49.8	57.1
02:00 AM - 03:00 AM		49.8	64.1
03:00 AM - 04:00 AM		49.9	63.1
04:00 AM - 05:00 AM		50.0	68.2
05:00 AM - 06:00 AM		65.3	89.5
06:00 AM - 07:00 AM		54.0	76.4
07:00 AM - 08:00 AM		53.9	81.6
08:00 AM - 09:00 AM		54.6	76.6
09:00 AM - 10:00 AM		59.1	79.8
10:00 AM - 11:00 AM		55.9	71.8
11:00 AM - 12:00 PM		56.4	73.4
12:00 PM - 01:00 PM		57.8	80.8
01:00 PM - 02:00 PM		56.4	74.2
02:00 PM - 03:00 PM		56.9	72.0
03:00 PM - 04:00 PM		53.9	73.5
Leq Average 24 hrs. (dB(A))		57.1	
Lmax (dB(A))		92.0	
L90 (dB(A))			47.9
Ldn (dB(A))		63.6	
Standard (dB(A))		70	115
Reference Method		: ISO1996-1 and 1996-2	
Standard		: 1. ประกาศกรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดระดับเสียงการรบกวน และระดับเสียงที่ได้จากการประกอบกิจการโรงงาน พ.ศ. 2548	

Orawan R.
Orawan Rakyong
Scientist (3)

Technical Management

Approved by

Section Head



Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaocheduk, Amphur Thapkror, Phichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :
Lot ID: 2641638
Date Received : May 27, 2026
Date Reported : May 30, 2026
Report Number: 3585080-1

Sample Number		2641638-17	
Parameter		Noise (Leq 24 hrs.)	
Location		Ban Long Du (GPS 47Q 0671979, 1799055)	
Measurement Date		May 20 - May 21, 2026	
Measurement by		Vanich Phantipit	
Sound Level meter		Serial No. 597159	
Time		Leq (dB(A))	Lmax (dB(A))
04:00 PM - 05:00 PM		50.7	74.8
05:00 PM - 06:00 PM		54.3	77.4
06:00 PM - 07:00 PM		61.6	73.6
07:00 PM - 08:00 PM		48.3	62.3
08:00 PM - 09:00 PM		47.5	68.6
09:00 PM - 10:00 PM		69.2	109.5
10:00 PM - 11:00 PM		53.1	92.1
11:00 PM - 12:00 AM		47.7	61.6
12:00 AM - 01:00 AM		49.5	79.4
01:00 AM - 02:00 AM		46.7	69.4
02:00 AM - 03:00 AM		45.3	67.2
03:00 AM - 04:00 AM		44.6	53.5
04:00 AM - 05:00 AM		43.1	64.8
05:00 AM - 06:00 AM		43.3	70.3
06:00 AM - 07:00 AM		53.5	86.6
07:00 AM - 08:00 AM		51.0	73.2
08:00 AM - 09:00 AM		54.0	70.2
09:00 AM - 10:00 AM		60.2	75.5
10:00 AM - 11:00 AM		57.3	76.7
11:00 AM - 12:00 PM		55.4	79.3
12:00 PM - 01:00 PM		54.8	77.2
01:00 PM - 02:00 PM		56.9	73.5
02:00 PM - 03:00 PM		58.4	81.4
03:00 PM - 04:00 PM		54.6	80.4
Leq Average 24 hrs. (dB(A))		58.0	
Lmax (dB(A))			109.5
L90 (dB(A))			44.8
Ldn (dB(A))		59.5	
Standard (dB(A))		70	115
Reference Method		: ISO1996-1 and 1996-2	
Standard		: 1. ประกาศกรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดระดับเสียงการรบกวน และระดับเสียงที่ได้จากการประกอบกิจการโรงงาน พ.ศ. 2548	

Technical Management

Approved by

Scientist (3)

Section Head



Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochethuk, Amphur Thapkror, Phichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :
Lot ID: 2641638
Date Received : May 27, 2026
Date Reported : May 30, 2026
Report Number: 3585083-1

Page 1 of 1

Sample Number		2641638-20	
Parameter		Noise (Leq 24 hrs.)	
Location		Ban Long Du (GPS 47Q 0671979, 1799055)	
Measurement Date		May 23 - May 24, 2026	
Measurement by		Vanich Phantipit	
Sound Level meter		Serial No. 597159	
Time		Leq (dB(A))	Lmax (dB(A))
04:00 PM - 05:00 PM		54.8	77.2
05:00 PM - 06:00 PM		56.9	73.5
06:00 PM - 07:00 PM		54.4	75.8
07:00 PM - 08:00 PM		57.7	71.8
08:00 PM - 09:00 PM		49.8	65.6
09:00 PM - 10:00 PM		49.6	65.1
10:00 PM - 11:00 PM		49.4	65.7
11:00 PM - 12:00 AM		48.3	67.7
12:00 AM - 01:00 AM		48.0	63.6
01:00 AM - 02:00 AM		46.8	63.2
02:00 AM - 03:00 AM		46.8	54.9
03:00 AM - 04:00 AM		47.2	69.2
04:00 AM - 05:00 AM		48.1	66.2
05:00 AM - 06:00 AM		59.6	76.5
06:00 AM - 07:00 AM		57.5	70.8
07:00 AM - 08:00 AM		58.8	73.5
08:00 AM - 09:00 AM		57.3	73.9
09:00 AM - 10:00 AM		55.8	76.4
10:00 AM - 11:00 AM		58.4	77.3
11:00 AM - 12:00 PM		53.2	74.9
12:00 PM - 01:00 PM		50.7	73.2
01:00 PM - 02:00 PM		52.0	78.9
02:00 PM - 03:00 PM		56.0	72.7
03:00 PM - 04:00 PM		56.8	72.3

Technical Management
Orawan R.
Orawan Rakyong
Scientist (3)

Approved by



Section Head



Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochethuk, Amphur Thapkror, Phichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :
Lot ID: 2641638
Date Received : May 27, 2026
Date Reported : May 30, 2026
Report Number: 3585082-1

Page 1 of 1

Sample Number		2641638-19		
Parameter		Noise (Leq 24 hrs.)		
Location		Ban Long Du (GPS 47Q 0671979, 1799055)		
Measurement Date		May 22 - May 23, 2026		
Measurement by		Vanich Phantipit		
Sound Level meter		Serial No. 597159		
Time		Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 PM - 05:00 PM		50.9	73.7	42.9
05:00 PM - 06:00 PM		49.8	74.5	42.0
06:00 PM - 07:00 PM		55.7	81.0	41.9
07:00 PM - 08:00 PM		62.4	76.6	45.4
08:00 PM - 09:00 PM		47.6	68.1	45.1
09:00 PM - 10:00 PM		45.5	58.6	44.7
10:00 PM - 11:00 PM		45.4	59.0	44.6
11:00 PM - 12:00 AM		45.0	61.2	44.0
12:00 AM - 01:00 AM		45.4	65.1	43.9
01:00 AM - 02:00 AM		46.8	69.6	43.8
02:00 AM - 03:00 AM		47.7	63.4	46.8
03:00 AM - 04:00 AM		48.9	69.4	47.1
04:00 AM - 05:00 AM		47.7	64.9	46.7
05:00 AM - 06:00 AM		56.0	69.7	47.5
06:00 AM - 07:00 AM		62.0	88.4	44.5
07:00 AM - 08:00 AM		52.8	74.5	42.7
08:00 AM - 09:00 AM		54.8	80.6	44.4
09:00 AM - 10:00 AM		57.9	76.9	44.8
10:00 AM - 11:00 AM		57.6	76.8	49.8
11:00 AM - 12:00 PM		55.3	74.7	45.2
12:00 PM - 01:00 PM		54.1	75.3	43.6
01:00 PM - 02:00 PM		57.5	77.2	45.0
02:00 PM - 03:00 PM		55.8	72.9	49.3
03:00 PM - 04:00 PM		51.0	76.6	41.8

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Scientist (3)

Approved by

Supot Salameh
Section Head



Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochethuk, Amphur Thapkror, Phichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :

Lot ID: 2641638
Date Received : May 27, 2026
Date Reported : May 30, 2026
Report Number: 3585085-1

Page 1 of 1

Sample Number	2641638-22
Parameter	Noise (Leq 24 hrs.)
Location	Ban Nong Ra Man (GPS 47Q 0674691, 1802603)
Measurement Date	May 18 - May 19, 2026
Measurement by	Vanich Phamplit
Sound Level meter	Serial No. 584983
Time	
02:00 PM - 03:00 PM	50.8
03:00 PM - 04:00 PM	51.2
04:00 PM - 05:00 PM	50.6
05:00 PM - 06:00 PM	50.9
06:00 PM - 07:00 PM	54.5
07:00 PM - 08:00 PM	48.6
08:00 PM - 09:00 PM	47.4
09:00 PM - 10:00 PM	47.1
10:00 PM - 11:00 PM	45.7
11:00 PM - 12:00 AM	46.7
12:00 AM - 01:00 AM	45.4
01:00 AM - 02:00 AM	47.4
02:00 AM - 03:00 AM	50.5
03:00 AM - 04:00 AM	52.1
04:00 AM - 05:00 AM	51.9
05:00 AM - 06:00 AM	55.8
06:00 AM - 07:00 AM	51.8
07:00 AM - 08:00 AM	50.4
08:00 AM - 09:00 AM	50.4
09:00 AM - 10:00 AM	54.7
10:00 AM - 11:00 AM	50.4
11:00 AM - 12:00 PM	52.0
12:00 PM - 01:00 PM	53.0
01:00 PM - 02:00 PM	52.6
Leq Average 24 hrs. (dB(A))	
51.4	
Lmax (dB(A))	
86.2	
L90 (dB(A))	
45.0	
Ldn (dB(A))	
70	
Standard (dB(A))	
70	
Reference Method : ISO1996-1 and 1996-2	
Standard : 1. ประกาศกรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป	
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดระดับเสียงการรบกวน และระดับเสียงที่ได้จากการประกอบกิจการ	
โรงงาน พ.ศ. 2548	

Orawan R.
Orawan Rakyong
Scientist (3)

Technical Management

Approved by

Section Head



Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochethuk, Amphur Thapkror, Phichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :

Lot ID: 2641638
Date Received : May 27, 2026
Date Reported : May 30, 2026
Report Number: 3585084-1

Page 1 of 1

Sample Number	2641638-21
Parameter	Noise (Leq 24 hrs.)
Location	Ban Long Du (GPS 47Q 0671979, 1799055)
Measurement Date	May 24 - May 25, 2026
Measurement by	Vanich Phamplit
Sound Level meter	Serial No. 597159
Time	
04:00 PM - 05:00 PM	58.9
05:00 PM - 06:00 PM	57.3
06:00 PM - 07:00 PM	59.4
07:00 PM - 08:00 PM	58.2
08:00 PM - 09:00 PM	55.5
09:00 PM - 10:00 PM	50.3
10:00 PM - 11:00 PM	54.3
11:00 PM - 12:00 AM	46.7
12:00 AM - 01:00 AM	45.3
01:00 AM - 02:00 AM	44.6
02:00 AM - 03:00 AM	43.1
03:00 AM - 04:00 AM	43.3
04:00 AM - 05:00 AM	43.9
05:00 AM - 06:00 AM	48.3
06:00 AM - 07:00 AM	60.5
07:00 AM - 08:00 AM	52.3
08:00 AM - 09:00 AM	50.6
09:00 AM - 10:00 AM	57.5
10:00 AM - 11:00 AM	58.8
11:00 AM - 12:00 PM	55.1
12:00 PM - 01:00 PM	56.4
01:00 PM - 02:00 PM	55.2
02:00 PM - 03:00 PM	56.4
03:00 PM - 04:00 PM	54.9
Leq Average 24 hrs. (dB(A))	
55.4	
Lmax (dB(A))	
80.5	
L90 (dB(A))	
43.9	
Ldn (dB(A))	
59.8	
Standard (dB(A))	
70	
Reference Method : ISO1996-1 and 1996-2	
Standard : 1. ประกาศกรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป	
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดระดับเสียงการรบกวน และระดับเสียงที่ได้จากการประกอบกิจการ	
โรงงาน พ.ศ. 2548	

Technical Management

Approved by

Scientist (3)

Section Head



Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochethuk, Amphur Thapkor, Phichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :
Lot ID: 2641638
Date Received : May 27, 2026
Date Reported : May 30, 2026
Report Number: 3585087-1

Sample Number		2641638-24		
Parameter		Noise (Leq 24 hrs.)		
Location		Ban Nong Ra Man (GPS 47Q 0674691 , 1802603)		
Measurement Date		May 20 - May 21, 2026		
Measurement by		Vanich Phantipit		
Sound Level meter		Serial No. 584983		
Time		Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM		54.1	73.2	42.9
03:00 PM - 04:00 PM		53.3	79.1	44.6
04:00 PM - 05:00 PM		52.7	75.0	44.2
05:00 PM - 06:00 PM		52.1	76.3	44.9
06:00 PM - 07:00 PM		50.9	67.9	44.9
07:00 PM - 08:00 PM		49.8	65.5	45.1
08:00 PM - 09:00 PM		48.2	77.1	45.1
09:00 PM - 10:00 PM		48.1	59.3	45.1
10:00 PM - 11:00 PM		51.9	80.0	45.1
11:00 PM - 12:00 AM		47.6	69.9	44.8
12:00 AM - 01:00 AM		46.1	64.8	43.8
01:00 AM - 02:00 AM		46.1	65.8	42.6
02:00 AM - 03:00 AM		58.7	73.5	52.5
03:00 AM - 04:00 AM		55.4	74.4	51.9
04:00 AM - 05:00 AM		53.5	71.7	51.5
05:00 AM - 06:00 AM		54.7	73.0	52.2
06:00 AM - 07:00 AM		53.7	69.3	49.8
07:00 AM - 08:00 AM		54.9	74.8	49.3
08:00 AM - 09:00 AM		53.9	73.8	48.6
09:00 AM - 10:00 AM		52.2	69.3	44.6
10:00 AM - 11:00 AM		54.1	74.5	48.5
11:00 AM - 12:00 PM		50.9	71.7	42.6
12:00 PM - 01:00 PM		52.4	75.0	42.3
01:00 PM - 02:00 PM		51.5	71.7	41.4

Technical Management

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Scientist (3)

Section Head



Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochethuk, Amphur Thapkor, Phichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :
Lot ID: 2641638
Date Received : May 27, 2026
Date Reported : May 30, 2026
Report Number: 3585086-1

Sample Number		2641638-23			
Parameter		Noise (Leq 24 Hrs.)			
Location		Ban Nong Ra Man (GPS 47Q 0674691, 1802603)			
Measurement Date		May 19 - May 20, 2026			
Measurement by		Vanich Phantipit			
Sound Level meter		Serial No. 584983			
Time		Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))	
02:00 PM - 03:00 PM		48.7	68.6	40.7	
03:00 PM - 04:00 PM		48.5	73.5	40.6	
04:00 PM - 05:00 PM		51.5	80.3	42.6	
05:00 PM - 06:00 PM		50.5	71.4	42.2	
06:00 PM - 07:00 PM		50.6	64.0	41.1	
07:00 PM - 08:00 PM		52.1	80.4	46.4	
08:00 PM - 09:00 PM		53.0	70.8	51.0	
09:00 PM - 10:00 PM		49.2	72.9	45.9	
10:00 PM - 11:00 PM		46.0	62.2	43.2	
11:00 PM - 12:00 AM		47.4	59.2	44.4	
12:00 AM - 01:00 AM		46.8	62.2	45.2	
01:00 AM - 02:00 AM		46.7	59.5	44.1	
02:00 AM - 03:00 AM		46.0	62.4	43.9	
03:00 AM - 04:00 AM		46.6	66.9	43.8	
04:00 AM - 05:00 AM		49.3	64.2	46.5	
05:00 AM - 06:00 AM		53.5	71.7	46.5	
06:00 AM - 07:00 AM		53.2	69.8	46.9	
07:00 AM - 08:00 AM		52.2	80.2	44.7	
08:00 AM - 09:00 AM		50.0	73.8	42.7	
09:00 AM - 10:00 AM		52.9	70.8	42.4	
10:00 AM - 11:00 AM		54.9	71.8	47.0	
11:00 AM - 12:00 PM		65.9	85.9	44.1	
12:00 PM - 01:00 PM		51.1	66.8	44.2	
01:00 PM - 02:00 PM		50.4	69.6	42.7	

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Scientist (3)

Section Head



Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaocheduk, Amphur Thapkror, Phichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :

Lot ID: 2641638
Date Received : May 27, 2026
Date Reported : May 30, 2026
Report Number: 3585089-1

Sample Number		2641638-26	
Parameter		Noise (Leq 24 hrs.)	
Location		Ban Nong Ra Man (GPS 47Q 0674691, 1802603)	
Measurement Date		May 22 - May 23, 2026	
Measurement by		Vanich Phantipit	
Sound Level meter		Serial No. 584983	
Time		Leq (dB(A))	Lmax (dB(A))
02:00 PM - 03:00 PM		53.4	69.8
03:00 PM - 04:00 PM		57.5	87.4
04:00 PM - 05:00 PM		50.3	69.1
05:00 PM - 06:00 PM		50.1	74.7
06:00 PM - 07:00 PM		52.5	70.1
07:00 PM - 08:00 PM		53.6	67.5
08:00 PM - 09:00 PM		55.9	81.1
09:00 PM - 10:00 PM		51.5	71.1
10:00 PM - 11:00 PM		49.7	65.4
11:00 PM - 12:00 AM		49.3	65.2
12:00 AM - 01:00 AM		48.8	65.6
01:00 AM - 02:00 AM		45.8	65.9
02:00 AM - 03:00 AM		46.4	62.7
03:00 AM - 04:00 AM		45.4	64.0
04:00 AM - 05:00 AM		48.9	61.1
05:00 AM - 06:00 AM		49.8	62.2
06:00 AM - 07:00 AM		56.9	70.8
07:00 AM - 08:00 AM		55.8	78.4
08:00 AM - 09:00 AM		52.1	68.9
09:00 AM - 10:00 AM		52.5	69.9
10:00 AM - 11:00 AM		53.1	76.6
11:00 AM - 12:00 PM		50.1	68.8
12:00 PM - 01:00 PM		53.3	76.8
01:00 PM - 02:00 PM		51.3	71.1
Leq Average 24 hrs. (dB(A))		52.6	
Lmax (dB(A))			87.4
L90 (dB(A))			45.7
Ldn (dB(A))			
Standard (dB(A))			70
Reference Method		: ISO1996-1 and 1996-2	
Standard		: 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดระดับเสียงการรบกวน และระดับเสียงที่ได้จากการประกอบกิจการโรงงาน พ.ศ. 2548	

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Scientist (3)

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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaocheduk, Amphur Thapkror, Phichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :

Lot ID: 2641638
Date Received : May 27, 2026
Date Reported : May 30, 2026
Report Number: 3585088-1

Sample Number	2641638-25			
Parameter	Noise (Leq 24 hrs.)			
Location	Ban Nong Ra Man (GPS 47Q 0674691, 1802603)			
Measurement Date	May 21 - May 22, 2026			
Measurement by	Vanich Phantipit			
Sound Level meter	Serial No. 584983			
	Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
	02:00 PM - 03:00 PM	56.0	70.8	47.6
	03:00 PM - 04:00 PM	51.2	68.5	43.9
	04:00 PM - 05:00 PM	48.9	62.0	43.6
	05:00 PM - 06:00 PM	49.4	64.5	43.5
	06:00 PM - 07:00 PM	50.7	74.6	43.6
	07:00 PM - 08:00 PM	50.5	71.3	44.2
	08:00 PM - 09:00 PM	50.8	70.4	46.1
	09:00 PM - 10:00 PM	57.4	79.5	47.9
	10:00 PM - 11:00 PM	49.4	62.5	47.2
	11:00 PM - 12:00 AM	51.0	75.7	43.6
	12:00 AM - 01:00 AM	54.3	67.8	45.7
	01:00 AM - 02:00 AM	52.7	68.0	47.6
	02:00 AM - 03:00 AM	55.3	91.2	47.1
	03:00 AM - 04:00 AM	52.0	70.3	47.0
	04:00 AM - 05:00 AM	51.3	68.6	44.8
	05:00 AM - 06:00 AM	49.7	68.9	43.6
06:00 AM - 07:00 AM	51.2	69.5	43.4	
07:00 AM - 08:00 AM	52.9	67.4	43.2	
08:00 AM - 09:00 AM	54.9	71.8	47.0	
09:00 AM - 10:00 AM	65.9	85.9	44.1	
10:00 AM - 11:00 AM	51.1	66.8	44.2	
11:00 AM - 12:00 PM	50.4	69.6	42.7	
12:00 PM - 01:00 PM	54.1	73.2	42.9	
01:00 PM - 02:00 PM	55.3	70.9	51.7	

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Analysis / Test Report

Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaocheduk, Amphur Thaplok, Phichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :

Lot ID: 2641638
Date Received : May 27, 2026
Date Reported : May 30, 2026
Report Number: 3585090-1

Page 1 of 1

Sample Number	2641638-28
Parameter	Noise (Leq 24 hrs.)
Location	Ban Nong Ra Man (GPS 47Q 0674691, 1802603)
Measurement Date	May 24 - May 25, 2026
Measurement by	Vanich Phantipit
Sound Level meter	Serial No. 584983

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	51.2	69.5	43.4
03:00 PM - 04:00 PM	52.9	67.4	43.2
04:00 PM - 05:00 PM	49.8	68.5	42.1
05:00 PM - 06:00 PM	49.1	77.2	42.8
06:00 PM - 07:00 PM	65.6	80.6	46.1
07:00 PM - 08:00 PM	58.8	71.8	52.9
08:00 PM - 09:00 PM	64.1	75.5	55.5
09:00 PM - 10:00 PM	61.3	77.1	55.9
10:00 PM - 11:00 PM	64.4	75.1	48.9
11:00 PM - 12:00 AM	64.0	72.9	45.5
12:00 AM - 01:00 AM	65.0	76.2	48.5
01:00 AM - 02:00 AM	65.2	69.5	54.8
02:00 AM - 03:00 AM	64.6	70.1	55.8
03:00 AM - 04:00 AM	64.5	67.9	54.7
04:00 AM - 05:00 AM	60.8	68.1	47.2
05:00 AM - 06:00 AM	58.5	66.4	47.4
06:00 AM - 07:00 AM	51.1	60.5	47.9
07:00 AM - 08:00 AM	48.3	62.2	42.9
08:00 AM - 09:00 AM	55.5	73.4	46.7
09:00 AM - 10:00 AM	64.9	76.9	50.5
10:00 AM - 11:00 AM	62.1	76.3	46.5
11:00 AM - 12:00 PM	61.3	77.1	55.9
12:00 PM - 01:00 PM	53.9	68.1	44.7
01:00 PM - 02:00 PM	52.2	71.0	42.8
Leq Average 24 hrs. (dB(A))	61.7		
Lmax (dB(A))	80.6		
L90 (dB(A))			47.2
Ldn (dB(A))	69.4		
Standard (dB(A))	70	115	
Reference Method	: ISO1996-1 and 1996-2		
Standard	: 1. ประกาศกรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดระดับเสียงการรบกวน และระดับเสียงที่ได้จากการประกอบกิจการ โรงงาน พ.ศ. 2548		

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Scientist (3)

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Section Head



Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochutluk, Amphur Thapklor, Phichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :
Lot ID: 2641638
Date Received : May 27, 2026
Date Reported : May 30, 2026
Report Number: 3585093-1

Page 1 of 1

Sample Number		2641638-30		
Parameter		Noise (Leq 24 hrs.)		
Location		Ban Klong Sai Yang Rong (GPS 47Q 0676126, 1798722)		
Measurement Date		May 19 - May 20, 2026		
Measurement by		Vanich Phamplit		
Sound Level meter		Serial No. 296512		
Time		Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
05:00 PM - 06:00 PM		47.3	70.3	38.5
06:00 PM - 07:00 PM		53.4	80.9	38.4
07:00 PM - 08:00 PM		48.8	81.4	41.1
08:00 PM - 09:00 PM		50.8	83.5	44.7
09:00 PM - 10:00 PM		51.7	77.1	43.8
10:00 PM - 11:00 PM		55.4	66.9	41.2
11:00 PM - 12:00 AM		60.2	67.8	40.8
12:00 AM - 01:00 AM		45.8	62.6	41.0
01:00 AM - 02:00 AM		44.7	54.5	41.3
02:00 AM - 03:00 AM		42.2	60.7	39.9
03:00 AM - 04:00 AM		42.4	71.7	39.0
04:00 AM - 05:00 AM		41.9	64.8	38.7
05:00 AM - 06:00 AM		56.0	79.7	41.0
06:00 AM - 07:00 AM		52.6	82.1	42.8
07:00 AM - 08:00 AM		53.1	81.7	40.5
08:00 AM - 09:00 AM		49.2	73.2	40.4
09:00 AM - 10:00 AM		55.6	79.5	39.5
10:00 AM - 11:00 AM		52.8	78.5	39.6
11:00 AM - 12:00 PM		50.5	76.8	40.2
12:00 PM - 01:00 PM		50.6	75.6	40.7
01:00 PM - 02:00 PM		50.2	75.1	38.5
02:00 PM - 03:00 PM		51.7	75.5	39.2
03:00 PM - 04:00 PM		50.6	69.3	39.9
04:00 PM - 05:00 PM		49.0	74.0	40.2

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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochutluk, Amphur Thapklor, Phichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :
Lot ID: 2641638
Date Received : May 27, 2026
Date Reported : May 30, 2026
Report Number: 3585092-1

Page 1 of 1

Sample Number	2641638-29			
Parameter	Noise (Leq 24 hrs.)			
Location	Ban Klong Sai Yang Rong (GPS 47Q 0676126, 1798722)			
Measurement Date	May 18 - May 19, 2026			
Measurement by	Vanich Phamplit			
Sound Level meter	Serial No. 296512			
	Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
	05:00 PM - 06:00 PM	54.7	69.8	41.8
	06:00 PM - 07:00 PM	53.1	74.8	38.1
	07:00 PM - 08:00 PM	66.4	74.1	40.9
	08:00 PM - 09:00 PM	58.3	83.5	38.0
	09:00 PM - 10:00 PM	50.1	57.0	39.3
	10:00 PM - 11:00 PM	41.6	55.2	40.2
	11:00 PM - 12:00 AM	47.9	52.8	40.5
	12:00 AM - 01:00 AM	47.2	57.4	45.4
	01:00 AM - 02:00 AM	48.6	56.0	45.7
	02:00 AM - 03:00 AM	43.0	51.0	40.7
	03:00 AM - 04:00 AM	41.9	58.5	38.5
	04:00 AM - 05:00 AM	53.1	71.9	39.4
	05:00 AM - 06:00 AM	55.7	77.8	44.8
	06:00 AM - 07:00 AM	51.1	66.1	43.7
	07:00 AM - 08:00 AM	52.1	78.3	41.0
	08:00 AM - 09:00 AM	50.1	68.6	42.0
	09:00 AM - 10:00 AM	53.8	68.7	42.1
	10:00 AM - 11:00 AM	48.5	74.6	41.2
	11:00 AM - 12:00 PM	48.1	68.7	39.9
	12:00 PM - 01:00 PM	55.1	74.9	41.5
	01:00 PM - 02:00 PM	56.3	81.7	41.1
	02:00 PM - 03:00 PM	48.1	64.6	42.2
	03:00 PM - 04:00 PM	51.5	62.6	43.4
	04:00 PM - 05:00 PM	47.0	69.1	39.0

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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaocheduk, Amphur Thapkror, Phichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :
Lot ID: 2641638
Date Received : May 27, 2026
Date Reported : May 30, 2026
Report Number: 3585095-1

Page 1 of 1

Sample Number		2641638-32		
Parameter		Noise (Leq 24 hrs.)		
Location		Ban Klong Sai Yang Rong (GPS 47Q 0676126, 1798722)		
Measurement Date		May 21 - May 22, 2026		
Measurement by		Vanich Phamplit		
Sound Level meter		Serial No. 296512		
Time		Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
05:00 PM - 06:00 PM		48.9	71.7	39.3
06:00 PM - 07:00 PM		54.1	82.7	40.4
07:00 PM - 08:00 PM		51.4	70.4	39.6
08:00 PM - 09:00 PM		47.7	65.3	44.7
09:00 PM - 10:00 PM		46.0	75.4	41.6
10:00 PM - 11:00 PM		46.2	65.6	44.4
11:00 PM - 12:00 AM		51.7	80.3	41.4
12:00 AM - 01:00 AM		42.8	59.2	41.2
01:00 AM - 02:00 AM		43.2	57.5	42.3
02:00 AM - 03:00 AM		42.5	56.4	41.6
03:00 AM - 04:00 AM		42.4	57.8	40.1
04:00 AM - 05:00 AM		42.2	63.2	40.4
05:00 AM - 06:00 AM		43.4	64.7	41.2
06:00 AM - 07:00 AM		56.0	78.7	44.8
07:00 AM - 08:00 AM		52.1	77.6	43.2
08:00 AM - 09:00 AM		49.3	72.3	41.0
09:00 AM - 10:00 AM		53.5	79.3	41.8
10:00 AM - 11:00 AM		52.1	74.6	41.3
11:00 AM - 12:00 PM		54.0	72.2	41.6
12:00 PM - 01:00 PM		55.1	74.4	38.6
01:00 PM - 02:00 PM		52.3	71.9	38.7
02:00 PM - 03:00 PM		56.1	94.0	39.5
03:00 PM - 04:00 PM		50.7	70.5	40.8
04:00 PM - 05:00 PM		54.9	83.5	39.5



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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaocheduk, Amphur Thapkror, Phichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :
Lot ID: 2641638
Date Received : May 27, 2026
Date Reported : May 30, 2026
Report Number: 3585094-1

Page 1 of 1

Sample Number		2641638-31		
Parameter		Noise (Leq 24 hrs.)		
Location		Ban Klong Sai Yang Rong (GPS 47Q 0676126, 1798722)		
Measurement Date		May 20 - May 21, 2026		
Measurement by		Vanich Phamplit		
Sound Level meter		Serial No. 296512		
Time		Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
05:00 PM - 06:00 PM		49.5	80.1	39.6
06:00 PM - 07:00 PM		62.1	90.1	38.9
07:00 PM - 08:00 PM		58.6	88.1	40.0
08:00 PM - 09:00 PM		48.9	61.5	47.0
09:00 PM - 10:00 PM		51.1	75.6	46.2
10:00 PM - 11:00 PM		47.2	59.8	45.1
11:00 PM - 12:00 AM		45.1	62.2	40.6
12:00 AM - 01:00 AM		43.3	62.9	41.7
01:00 AM - 02:00 AM		47.1	79.1	40.8
02:00 AM - 03:00 AM		54.3	78.7	45.7
03:00 AM - 04:00 AM		52.4	71.3	46.3
04:00 AM - 05:00 AM		43.5	65.9	39.1
05:00 AM - 06:00 AM		52.3	73.2	42.4
06:00 AM - 07:00 AM		56.3	81.9	44.7
07:00 AM - 08:00 AM		49.8	71.3	41.5
08:00 AM - 09:00 AM		52.9	80.5	41.3
09:00 AM - 10:00 AM		53.5	80.8	41.8
10:00 AM - 11:00 AM		57.5	76.6	46.1
11:00 AM - 12:00 PM		52.9	81.9	38.9
12:00 PM - 01:00 PM		50.0	81.1	38.2
01:00 PM - 02:00 PM		52.4	75.6	39.7
02:00 PM - 03:00 PM		52.4	73.8	39.4
03:00 PM - 04:00 PM		52.9	71.5	40.8
04:00 PM - 05:00 PM		50.1	74.2	37.9



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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochethuk, Amphur Thapkror, Phichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :
Lot ID: 2641638
Date Received : May 27, 2026
Date Reported : May 30, 2026
Report Number: 3585097-1

Sample Number	2641638-34			
	Noise (Leq 24 hrs.)			
Parameter	Ban Klong Sai Yang Rong (GPS 47Q 0676126, 1798722)			
Location	May 23 - May 24, 2026			
Measurement Date	Vanich Phamplit			
Measurement by	Serial No. 296512			
Sound Level meter				
	Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
	05:00 PM - 06:00 PM	49.3	72.1	39.1
	06:00 PM - 07:00 PM	49.3	71.7	37.9
	07:00 PM - 08:00 PM	50.8	69.3	38.1
	08:00 PM - 09:00 PM	51.2	68.7	41.7
	09:00 PM - 10:00 PM	47.7	63.4	44.5
	10:00 PM - 11:00 PM	47.3	70.0	43.3
	11:00 PM - 12:00 AM	44.5	65.4	43.5
	12:00 AM - 01:00 AM	43.1	51.4	42.3
	01:00 AM - 02:00 AM	46.8	67.2	43.3
	02:00 AM - 03:00 AM	45.6	69.8	41.4
	03:00 AM - 04:00 AM	41.4	54.8	40.4
	04:00 AM - 05:00 AM	40.6	55.4	39.3
	05:00 AM - 06:00 AM	42.7	67.3	38.9
	06:00 AM - 07:00 AM	52.8	77.7	41.8
	07:00 AM - 08:00 AM	53.6	83.7	44.2
	08:00 AM - 09:00 AM	49.9	68.7	41.7
09:00 AM - 10:00 AM	52.4	75.4	41.9	
10:00 AM - 11:00 AM	50.4	75.0	40.0	
11:00 AM - 12:00 PM	51.2	73.6	38.8	
12:00 PM - 01:00 PM	51.3	68.2	37.9	
01:00 PM - 02:00 PM	50.0	71.7	36.7	
02:00 PM - 03:00 PM	47.5	68.3	37.7	
03:00 PM - 04:00 PM	46.9	66.7	38.8	
04:00 PM - 05:00 PM	49.4	68.0	37.0	

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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochethuk, Amphur Thapkror, Phichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :
Lot ID: 2641638
Date Received : May 27, 2026
Date Reported : May 30, 2026
Report Number: 3585096-1

Sample Number	2641638-33			
	Noise (Leq 24 hrs.)			
Location	Ban Klong Sai Yang Rong (GPS 47Q 0676126, 1798722)			
Measurement Date	May 22 - May 23, 2026			
Measurement by	Vanich Phannipit			
Sound Level meter	Serial No. 296512			
	Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
	05:00 PM - 06:00 PM	49.5	81.1	40.6
	06:00 PM - 07:00 PM	53.3	77.2	44.2
	07:00 PM - 08:00 PM	52.4	78.7	41.2
	08:00 PM - 09:00 PM	46.5	71.0	42.9
	09:00 PM - 10:00 PM	44.0	59.9	43.1
	10:00 PM - 11:00 PM	45.4	74.5	42.9
	11:00 PM - 12:00 AM	44.3	55.1	42.9
	12:00 AM - 01:00 AM	59.2	65.3	42.6
	01:00 AM - 02:00 AM	54.2	62.9	45.1
	02:00 AM - 03:00 AM	59.4	66.2	48.3
	03:00 AM - 04:00 AM	55.2	79.5	40.1
	04:00 AM - 05:00 AM	40.3	63.7	38.5
	05:00 AM - 06:00 AM	41.5	63.4	39.3
	06:00 AM - 07:00 AM	55.7	82.5	41.5
	07:00 AM - 08:00 AM	52.4	73.8	42.7
	08:00 AM - 09:00 AM	51.7	72.8	40.1
09:00 AM - 10:00 AM	52.1	75.0	40.0	
10:00 AM - 11:00 AM	52.3	76.0	38.3	
11:00 AM - 12:00 PM	47.7	67.4	38.8	
12:00 PM - 01:00 PM	50.7	71.1	40.6	
01:00 PM - 02:00 PM	48.4	70.4	38.7	
02:00 PM - 03:00 PM	52.2	76.0	39.7	
03:00 PM - 04:00 PM	53.1	79.4	38.5	
04:00 PM - 05:00 PM	51.8	72.7	41.3	

Technical Management

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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochutluk, Amphur Thapkror, Phichit Thailand 66230
P/O : 1011374
Project Name : Air Test
Project Location :

Lot ID: 2641638
Date Received : May 27, 2026
Date Reported : May 30, 2026
Report Number: 3585098-1

Page 1 of 1

Sample Number	2641638-35
Parameter	Noise (Leq 24 hrs.)
Location	Ban Klong Sai Yang Rong (GPS 47Q 0676126, 1798722)
Measurement Date	May 24 - May 25, 2026
Measurement by	Varich Phamplit
Sound Level meter	Serial No. 296512

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
05:00 PM - 06:00 PM	50.5	72.0	38.1
06:00 PM - 07:00 PM	50.4	69.0	38.8
07:00 PM - 08:00 PM	49.5	70.1	38.2
08:00 PM - 09:00 PM	52.9	73.3	38.9
09:00 PM - 10:00 PM	45.4	58.9	42.1
10:00 PM - 11:00 PM	51.0	62.7	42.6
11:00 PM - 12:00 AM	51.9	70.0	44.9
12:00 AM - 01:00 AM	51.6	60.1	46.3
01:00 AM - 02:00 AM	51.2	70.4	43.2
02:00 AM - 03:00 AM	52.2	58.9	41.9
03:00 AM - 04:00 AM	53.1	70.2	41.9
04:00 AM - 05:00 AM	44.5	67.7	40.0
05:00 AM - 06:00 AM	47.2	58.1	40.7
06:00 AM - 07:00 AM	47.8	71.3	38.3
07:00 AM - 08:00 AM	54.0	73.7	43.8
08:00 AM - 09:00 AM	53.3	72.5	41.1
09:00 AM - 10:00 AM	51.9	72.3	39.5
10:00 AM - 11:00 AM	51.5	73.4	39.1
11:00 AM - 12:00 PM	48.1	70.3	37.1
12:00 PM - 01:00 PM	54.2	78.6	38.1
01:00 PM - 02:00 PM	50.3	76.6	37.2
02:00 PM - 03:00 PM	46.6	65.7	37.5
03:00 PM - 04:00 PM	46.8	66.5	38.0
04:00 PM - 05:00 PM	50.2	73.1	38.5

Leq Average 24 hrs. (dB(A))	51.0
Lmax (dB(A))	78.6
L90 (dB(A))	39.1
Ldn (dB(A))	57.2
Standard (dB(A))	70
Standard (dB(A))	115

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดระดับเสียงกรรมวา และระดับเสียงที่ได้จากการประกอบกิจการ
โรงงาน พ.ศ. 2548

Technical Management

Scientist (3)

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Analysis / Test Report

TESTING
No.0009

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230
P/O : 1011361
Project Name : Water Project
Project Location : CHATREE

Lot ID: 2613560
Date Received : Feb 20, 2026
Date Reported : Mar 02, 2026
Report Number : 3506826-1

Page 2 of 4

Sample Number	2613560-1
Sampled Date	Feb 19, 2026 3:40 PM
Sample Description	Wastewater
Location	WWAT6902
Date Analysis Commenced	Feb 20, 2026
Condition of Sample	Contained in six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
COD	mg/L	-	25	93	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Bangkok
Cyanide as CN *	mg/L	0.002	0.005	7.410	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - CN (C, E)	Bangkok
pH at 25 degree C		-	-	8.9	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	5700	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	259	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok
Weak Acid Dissociable Cyanide *	mg/L	0.002	0.005	7.350	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-CN (1)	Bangkok

Remark :
- LOD : Limit of Detection
- %^u : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

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

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Analysis / Test Report

TESTING
No.0009

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230
P/O : 1011361
Project Name : Water Project
Project Location : CHATREE

Lot ID: 2613560
Date Received : Feb 20, 2026
Date Reported : Mar 02, 2026
Report Number : 3506826-1

Page 1 of 4

Sample Number	2613560-1
Sampled Date	Feb 19, 2026 3:40 PM
Sample Description	Wastewater
Location	WWAT6902
Date Analysis Commenced	Feb 20, 2026
Condition of Sample	Contained in six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Metals Testing						
Arsenic	mg/L	0.0003	0.0005	0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	0.001	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.12	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Hexavalent Chromium	mg/L	0.01	0.04	<0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3500-Cr B	Bangkok
Lead	mg/L	0.0003	0.0005	0.02	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	2.72	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Mercury	mg/L	0.0001	0.0005	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3112	Bangkok
Nickel	mg/L	0.0003	0.0005	0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	0.07	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.07	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Water Testing						
BOD (5 days at 20 degree C)	mg/L	-	2.0	4.9	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok

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Analysis / Test Report

TESTING
No.0009

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230
P/O : 1011361
Project Name : Water Project
Project Location : CHATREE

Lot ID: 2613560
Date Received : Feb 20, 2026
Date Reported : Mar 02, 2026
Report Number : 3506826-1

Page 4 of 4

Sample Number	2613560-2
Sampled Date	Feb 19, 2026 3:20 PM
Sample Description	Wastewater
Location	WWBT6902
Date Analysis Commenced	Feb 20, 2026
Condition of Sample	Contained in six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
COD	mg/L	-	25	101	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Bangkok
Cyanide as CN *	mg/L	0.002	0.005	41.9	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - CN (C, E)	Bangkok
pH at 25 degree C		-	-	9.3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.8	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	5208	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	150	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok
Weak Acid Dissociable Cyanide *	mg/L	0.002	0.005	41.7	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-CN (1)	Bangkok

Remark :
- LOD : Limit of Detection
- %^u : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

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Analysis / Test Report

TESTING
No.0009

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230
P/O : 1011361
Project Name : Water Project
Project Location : CHATREE

Lot ID: 2613560
Date Received : Feb 20, 2026
Date Reported : Mar 02, 2026
Report Number : 3506826-1

Page 3 of 4

Sample Number	2613560-2
Sampled Date	Feb 19, 2026 3:20 PM
Sample Description	Wastewater
Location	WWBT6902
Date Analysis Commenced	Feb 20, 2026
Condition of Sample	Contained in six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Metals Testing						
Arsenic	mg/L	0.0003	0.0005	0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	0.001	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	11.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F	Bangkok
Hexavalent Chromium	mg/L	0.01	0.04	<0.04	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3500-Cr B	Bangkok
Lead	mg/L	0.0003	0.0005	0.002	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F	Bangkok
Mercury	mg/L	0.0001	0.0005	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3112	Bangkok
Nickel	mg/L	0.0003	0.0005	0.16	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	0.06	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.02	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F	Bangkok
Water Testing						
BOD (5 days at 20 degree C)	mg/L	-	2.0	13.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok

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Analysis / Test Report

TESTING
No.0009

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230
P/O : 1011361
Project Name : Water Project
Project Location : CHATREE

Lot ID: 2640486
Fate RecelDed : May 22, 2026
Fate Reported : May 30, 2026
Report Number : 3v50686-1

Page 2 of 4

Sample Number	2640486-1
Sampled Date	May 21, 2026 2:40 PM
Sample Description	Wastewater
Location	WWAT690v
Date Analysis Commenced	May 23, 2026
Condition of Sample	Contained in six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
COF	mg/L	-	2v	59	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEB, 24th ed., 2023, part v220 F	<angkok
Cyanide as CN	mg/L	0.002	0.00v	9.1v9	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEB, 24th ed., 2023, part 4v00 - CN (C, E)	<angkok
pH at 2v degree C		-	-	9.v	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEB, 24th ed., 2023, part 4v00 - H (<)	<angkok
Temperature 7	Fegree C	-	-	31.3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEB, 24th ed., 2023, part 2v00 <	<angkok
Total Fissolled solids Fried at 180 degree C	mg/L	-	v	6420	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEB, 24th ed., 2023, part 2v40 C	<angkok
Total Suspended Solids Fried from 103-10v degree C	mg/L	-	v	v0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEB, 24th ed., 2023, part 2v40 F	<angkok
Weak Acid Fissociable Cyanide 7	mg/L	0.002	0.00v	8.916	-ased on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEB, 24th ed., 2023, part 4v00-CN (1)	<angkok

Remark :
- LOF : Limit of F election
- "mg" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked 7 is/are not included in scope of Accreditation ISO/IEC 1502v.
- Sampling is not included in scope of accreditation ISO/IEC 1502v

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

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Analysis / Test Report

TESTING
No.0009

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230
P/O : 1011361
Project Name : Water Project
Project Location : CHATREE

Lot ID: 2640486
Fate RecelDed : May 22, 2026
Fate Reported : May 30, 2026
Report Number : 3v50686-1

Page 1 of 4

Sample Number	2640486-1
Sampled Date	May 21, 2026 2:40 PM
Sample Description	Wastewater
Location	WWAT690v
Date Analysis Commenced	May 23, 2026
Condition of Sample	Contained in six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Metals Testing						
Arsenic	mg/L	0.0003	0.000v	0.06	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEB, 24th ed., 2023, part 312v <3030 B	<angkok
Cadmium	mg/L	0.0003	0.000v	0.004	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEB, 24th ed., 2023, part 312v <3030 B	<angkok
Copper	mg/L	0.0003	0.000v	0.04	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEB, 24th ed., 2023, part 312v <3030 B	<angkok
HexaDilent Chromium	mg/L	0.01	0.04	Not F elected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEB, 24th ed., 2023, part 312v <3030 B	<angkok
Lead	mg/L	0.0003	0.000v	0.001	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEB, 24th ed., 2023, part 312v <3030 B	<angkok
Manganese	mg/L	0.0003	0.000v	0.14	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEB, 24th ed., 2023, part 312v <3030 B	<angkok
Mercury	mg/L	0.0001	0.000v	Not F elected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEB, 24th ed., 2023, part 3112	<angkok
Nickel	mg/L	0.0003	0.000v	0.002	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEB, 24th ed., 2023, part 312v <3030 B	<angkok
Selenium	mg/L	0.0003	0.000v	0.06	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEB, 24th ed., 2023, part 312v <3030 B	<angkok
TriDilent Chromium 7	mg/L	-	0.01	* 0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEB, 24th ed., 2023, part 312v <3030 B	<angkok
Zinc	mg/L	0.003	0.00v	0.02	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEB, 24th ed., 2023, part 312v <3030 B	<angkok
Water Testing						
<OF (v days at 20 degree C)	mg/L	-	2.0	v.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEB, 24th ed., 2023, part v210 <, part 4v00 - O G	<angkok

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Analysis / Test Report

TESTING
No.0009

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230
P/O : 1011361
Project Name : Water Project
Project Location : CHATREE

Lot ID: 2640486
Fate RecelDed :May 22, 2026
Fate Reported :May 30, 2026
Report Number :3v50686-1

Page 4 of 4

Sample Number 2640486-2
Sampled Date May 21, 2026 2:20 PM
Sample Description Wastewater
Location WW-T690v
Date Analysis Commenced May 23, 2026
Condition of Sample Contained in six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
COF	mg/L	-	2v	60	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEB, 24th ed., 2023, part v220 F	<ngkok
Cyanide as CN	mg/L	0.002	0.00v	24.3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEB, 24th ed., 2023, part 4v00 - CN (C, E)	<ngkok
pH at 2v degree C		-	-	9.8	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEB, 24th ed., 2023, part 4v00 - H (<)	<ngkok
Temperature 7	Fegree C	-	-	31.3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEB, 24th ed., 2023, part 2v40 <	<ngkok
Total Fissolled solids Fried at 180 degree C	mg/L	-	v	v564	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEB, 24th ed., 2023, part 2v40 C	<ngkok
Total Suspended Solids Fried from 103-10v degree C	mg/L	-	v	v5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEB, 24th ed., 2023, part 2v40 F	<ngkok
Weak Acid Fissociable Cyanide 7	mg/L	0.002	0.00v	23.9	-ased on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEB, 24th ed., 2023, part 4v00-CN (1)	<ngkok

Remark :
- LOF : Limit of F election
- "mg/L" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked 7 is/are not included in scope of Accreditation ISO/IEC 1502v.
- Sampling is not included in scope of accreditation ISO/IEC 1502v

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

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Section Head

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Analysis / Test Report

TESTING
No.0009

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230
P/O : 1011361
Project Name : Water Project
Project Location : CHATREE

Lot ID: 2640486
Fate RecelDed :May 22, 2026
Fate Reported :May 30, 2026
Report Number :3v50686-1

Page 3 of 4

Sample Number 2640486-2
Sampled Date May 21, 2026 2:20 PM
Sample Description Wastewater
Location WW-T690v
Date Analysis Commenced May 23, 2026
Condition of Sample Contained in six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Metals Testing						
Arsenic	mg/L	0.0003	0.000v	0.0v	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEB, 24th ed., 2023, part 312v <3030 B	<ngkok
Cadmium	mg/L	0.0003	0.000v	0.003	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEB, 24th ed., 2023, part 312v <3030 B	<ngkok
Copper	mg/L	0.0003	0.000v	9.58	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEB, 24th ed., 2023, part 312v <3030 B	<ngkok
HexaDalent Chromium	mg/L	0.01	0.04	Not F elected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEB, 24th ed., 2023, part 312v <3030 B	<ngkok
Lead	mg/L	0.0003	0.000v	0.003	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEB, 24th ed., 2023, part 312v <3030 B	<ngkok
Manganese	mg/L	0.0003	0.000v	0.38	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEB, 24th ed., 2023, part 312v <3030 B	<ngkok
Mercury	mg/L	0.0001	0.000v	Not F elected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEB, 24th ed., 2023, part 3112	<ngkok
Nickel	mg/L	0.0003	0.000v	0.26	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEB, 24th ed., 2023, part 312v <3030 B	<ngkok
Selenium	mg/L	0.0003	0.000v	0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEB, 24th ed., 2023, part 312v <3030 B	<ngkok
TriDalent Chromium 7	mg/L	-	0.01	0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEB, 24th ed., 2023, part 312v <3030 B	<ngkok
Zinc	mg/L	0.003	0.00v	0.02	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEB, 24th ed., 2023, part 312v <3030 B	<ngkok
Water Testing						
<OF (v days at 20 degree C)	mg/L	-	2.0	* 2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEB, 24th ed., 2023, part v210 <, part 4v00 - O G	<ngkok

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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230
P/O : 1011361
Project Name : Water Project
Project Location : CHATREE

TESTING
No.0009

Lot ID: 2640488
Date Received : May 22, 2026
Date Reported : May 29, 2026
Report Number :3570756-1

Page 1 of 1

Sample Number 2640488-1
Sample Date May 22, 2026 7:30 AM
Sample Description Em-WWTP
Location Process
Date Analysis Commenced May 22, 2026
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Microbiological Testing						
Fecal Coliform	MPN/100mL	-	-	<1.8	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Bangkok
Total Coliform	MPN/100mL	-	-	<1.8	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Bangkok

Remark :
- LOD : Limit of Detection
- <LOQ : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This report shall not be reproduced or copied in any form without the written approval of the laboratory.

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S:\Report\AL NoGL-01 (1005AW)

CERTIFICATE OF ANALYSIS

Client	Akara Resources Public Co., Ltd.	ALS Lot No.	2613295
Contact Address	Yaowanud Chandung 99 Moo 9, Tambon Khaochetluk, Amphur Thapklor, Phichit Thailand 66230	Date Samples Received	Feb 19, 2026 01:00 PM
Email	yaowanud@akararesources.com	Issue Date	Mar 09, 2026 03:25 PM
Telephone	0-5661-4500	Quote number	Q261054
Facsimile	0-5661-4190	Project	CHATREE
		No. of samples received	24
		No. of samples analysed	24

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. All pages of this report have been checked and approved for release.

General Comments

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or client request.

When sampling time information is not provided by client, sampling dates are shown without a time component. In this instances, the time component has been assumed by the laboratory for processing purposes.

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

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Page : 1 of 9

ALS Lot No. : 2613295
Client : Akara Resources Public Co., Ltd.
Project : CHATREE



Analytical Results

Client sample ID			SW6902 ST1	SW6902 ST2	SW6902 ST9	SW6902 ST10	SW6902 ST11	SW6902 ST13	SW6902 ST14
Client sampling date / time			17-Feb-26	17-Feb-26	18-Feb-26	18-Feb-26	18-Feb-26	16-Feb-26	16-Feb-26
Compound	LOR	Unit	2613295-1	2613295-2	2613295-3	2613295-4	2613295-5	2613295-6	2613295-7
EA015: Total Dissolved Solids									
Total Dissolved solids	5	mg/L	260	198	3460	1436	460	376	160
EA025: Suspended Solids									
Total Suspended Solids	5	mg/L	21	11	6	6	12	17	7
EA065: Total Hardness									
Total Hardness	1	mg/L	159	141	2884	1549	428	233	99
ED037P: Alkalinity									
Bicarbonate Alkalinity	1	mg/L	137	96	111	91	116	132	121
Carbonate Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Hydroxide Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Phenolphthalein Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Total Alkalinity	1	mg/L	137	96	111	91	116	132	121
ED041G: Sulfate									
Sulfate	1.0	mg/L	41.5	43.1	1806	1233	231	115	9.3
ED045G: Chloride Discrete analyzer									
Chloride	1.0	mg/L	4.3	1.1	1.3	<1.0	<1.0	5.5	2.8
ED093F: Dissolved Major Cations (GW & SW Dissolved)									
Calcium	0.10	mg/L	34.7	26.6	587	381	60.0	50.6	26.2
Magnesium	0.10	mg/L	15.6	16.7	294	143	59.7	21.1	7.65
Potassium	0.10	mg/L	6.96	0.56	10.8	11.0	6.06	4.06	4.02
Sodium	0.10	mg/L	16.1	7.72	29.8	25.6	8.43	30.7	13.6
EG020T: Total Metals by ICP-MS									
Arsenic	0.001	mg/L	0.002	0.002	<0.001	<0.001	0.001	0.002	0.002
Cobalt	0.001	mg/L	<0.001	<0.001	<0.001	0.006	<0.001	<0.001	<0.001
Copper	0.001	mg/L	<0.001	<0.001	<0.001	0.001	<0.001	0.001	<0.001
Iron	0.05	mg/L	1.15	0.71	<0.05	0.26	0.20	0.68	0.20
Lead	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	0.001	mg/L	0.52	0.31	0.55	2.11	0.16	0.32	0.08
EG035T: Total Recoverable Mercury by CVAFS									
Mercury	0.0001	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
EK025G: Cyanide Discrete analyzer									
Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
EK025G-1: Cyanide WAD Discrete analyzer									
Weak Acid Dissociable Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002

LOR = Limit of reporting

Approved by

Senior Manager



Analytical Results

Client sample ID Client sampling date / time			SW6902 ST1 17-Feb-26	SW6902 ST2 17-Feb-26	SW6902 ST9 18-Feb-26	SW6902 ST10 18-Feb-26	SW6902 ST11 18-Feb-26	SW6902 ST13 16-Feb-26	SW6902 ST14 16-Feb-26
Compound	LOR	Unit	2613295-1	2613295-2	2613295-3	2613295-4	2613295-5	2613295-6	2613295-7
EN0055: Ionic Balance									
Ionic Balance	----	%	9.70	10.24	17.46	9.40	12.07	10.13	0.37
Total Anions	0.01	mEq/L	3.21	2.49	38.69	26.64	6.61	4.65	2.26
Total Cations	0.01	mEq/L	3.90	3.05	55.05	32.17	8.43	5.70	2.63
EN0104: Turbidity									
Turbidity	0.1	NTU	21	16	2.0	4.5	12	17	4.1
EP005: Total Organic Carbon									
Total Organic Carbon	0.1	mg/L	5.52	4.23	0.90	1.50	5.61	5.21	5.53

LOR = Limit of reporting

Approved by



Senior Manager



Analytical Results

Client sample ID Client sampling date / time			SW6902 ST15 18-Feb-26	SW6902 ST16 17-Feb-26	SW6902 ST17 18-Feb-26	SW6902 ST18 18-Feb-26	SW6902 ST20 17-Feb-26	SW6902 ST21 18-Feb-26	SW6902 ST23 16-Feb-26
Compound	LOR	Unit	2613295-8	2613295-9	2613295-10	2613295-11	2613295-12	2613295-13	2613295-14
EA015: Total Dissolved Solids									
Total Dissolved solids	5	mg/L	2272	318	960	796	1412	3176	656
EA025: Suspended Solids									
Total Suspended Solids	5	mg/L	<5	11	12	6	9	<5	11
EA065: Total Hardness									
Total Hardness	1	mg/L	2545	206	1381	679	1657	2974	441
ED037P: Alkalinity									
Bicarbonate Alkalinity	1	mg/L	81	116	218	248	293	213	126
Carbonate Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Hydroxide Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Phenolphthalein Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Total Alkalinity	1	mg/L	81	116	218	248	293	213	126
ED041G: Sulfate									
Sulfate	1.0	mg/L	1871	90.4	856	498	990	1551	238
ED045G: Chloride Discrete analyzer									
Chloride	1.0	mg/L	<1.0	8.5	5.5	6.8	1.9	2.5	8.0
ED093F: Dissolved Major Cations (GW & SW Dissolved)									
Calcium	0.10	mg/L	466	53.8	258	143	305	580	92.8
Magnesium	0.10	mg/L	302	13.1	161	65.9	181	371	50.8
Potassium	0.10	mg/L	10.4	3.51	9.29	11.8	12.3	12.3	5.10
Sodium	0.10	mg/L	32.6	30.4	33.0	47.2	14.2	28.5	52.2
EG020T: Total Metals by ICP-MS									
Arsenic	0.001	mg/L	<0.001	0.002	0.001	0.001	0.002	<0.001	0.002
Cobalt	0.001	mg/L	<0.001	<0.001	<0.001	0.001	0.001	<0.001	<0.001
Copper	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Iron	0.05	mg/L	<0.05	0.27	0.10	0.08	0.09	<0.05	0.17
Lead	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	0.001	mg/L	0.76	0.34	0.17	0.16	0.60	0.02	0.58
EG035T: Total Recoverable Mercury by CVAFS									
Mercury	0.0001	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
EK025G: Cyanide Discrete analyzer									
Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
EK025G-1: Cyanide WAD Discrete analyzer									
Weak Acid Dissociable Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002

LOR = Limit of reporting

Approved by



Senior Manager



Analytical Results

Client sample ID Client sampling date / time			SW6902 ST15 18-Feb-26	SW6902 ST16 17-Feb-26	SW6902 ST17 18-Feb-26	SW6902 ST18 18-Feb-26	SW6902 ST20 17-Feb-26	SW6902 ST21 18-Feb-26	SW6902 ST23 16-Feb-26
Compound	LOR	Unit	2613295-8	2613295-9	2613295-10	2613295-11	2613295-12	2613295-13	2613295-14
EN0055: Ionic Balance									
Ionic Balance	----	%	11.59	12.93	13.56	1.70	10.73	26.85	22.09
Total Anions	0.01	mEq/L	39.49	3.99	21.17	14.41	25.05	35.17	7.15
Total Cations	0.01	mEq/L	49.84	5.18	27.82	14.91	31.08	60.99	11.21
EN0104: Turbidity									
Turbidity	0.1	NTU	0.80	10	9.8	7.2	6.0	1.3	13
EP005: Total Organic Carbon									
Total Organic Carbon	0.1	mg/L	1.85	5.43	8.16	7.53	4.98	1.63	5.75

LOR = Limit of reporting

Approved by



Senior Manager



Analytical Results

Client sample ID Client sampling date / time			SW6902 ST27 17-Feb-26	SW6902 ST28 17-Feb-26	SW6902 ST30 18-Feb-26	SW6902 ST31 16-Feb-26	SW6902 ST33 16-Feb-26	SW6902 ST36 18-Feb-26	SW6902 ST37 18-Feb-26
Compound	LOR	Unit	2613295-15	2613295-16	2613295-17	2613295-18	2613295-19	2613295-20	2613295-21
EA015: Total Dissolved Solids									
Total Dissolved solids	5	mg/L	1532	448	2316	1768	1112	2912	944
EA025: Suspended Solids									
Total Suspended Solids	5	mg/L	<5	22	15	6	<5	<5	<5
EA065: Total Hardness									
Total Hardness	1	mg/L	1992	435	2984	1697	1517	2715	1126
ED037P: Alkalinity									
Bicarbonate Alkalinity	1	mg/L	354	339	172	258	228	23	288
Carbonate Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Hydroxide Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Phenolphthalein Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Total Alkalinity	1	mg/L	354	339	172	258	228	23	288
ED041G: Sulfate									
Sulfate	1.0	mg/L	1253	261	1803	1204	1054	1813	885
ED045G: Chloride Discrete analyzer									
Chloride	1.0	mg/L	<1.0	3.8	2.2	1.1	<1.0	5.3	<1.0
ED093F: Dissolved Major Cations (GW & SW Dissolved)									
Calcium	0.10	mg/L	536	75.9	491	293	347	486	243
Magnesium	0.10	mg/L	159	59.6	427	234	158	363	126
Potassium	0.10	mg/L	9.42	7.78	14.7	12.0	10.6	5.69	4.28
Sodium	0.10	mg/L	34.5	13.5	16.5	12.2	11.1	42.4	21.8
EG020T: Total Metals by ICP-MS									
Arsenic	0.001	mg/L	0.001	0.006	<0.001	0.002	<0.001	<0.001	<0.001
Cobalt	0.001	mg/L	<0.001	<0.001	0.001	<0.001	0.006	<0.001	<0.001
Copper	0.001	mg/L	0.002	<0.001	<0.001	<0.001	<0.001	0.001	<0.001
Iron	0.05	mg/L	0.05	0.13	0.27	0.07	<0.05	<0.05	<0.05
Lead	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	0.001	mg/L	0.08	0.12	0.32	0.11	3.03	0.01	0.01
EG035T: Total Recoverable Mercury by CVAFS									
Mercury	0.0001	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
EK025G: Cyanide Discrete analyzer									
Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
EK025G-1: Cyanide WAD Discrete analyzer									
Weak Acid Dissociable Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002

LOR = Limit of reporting

Approved by

Kanokkom Anek

Kanokkom Anek
 Senior Manager



Analytical Results

Client sample ID Client sampling date / time			SW6902 ST27 17-Feb-26	SW6902 ST28 17-Feb-26	SW6902 ST30 18-Feb-26	SW6902 ST31 16-Feb-26	SW6902 ST33 16-Feb-26	SW6902 ST36 18-Feb-26	SW6902 ST37 18-Feb-26
Compound	LOR	Unit	2613295-15	2613295-16	2613295-17	2613295-18	2613295-19	2613295-20	2613295-21
EN0055: Ionic Balance									
Ionic Balance	----	%	14.00	7.38	21.01	9.28	10.36	19.91	1.68
Total Anions	0.01	mEq/L	31.36	10.99	39.64	28.81	25.24	37.49	22.78
Total Cations	0.01	mEq/L	41.57	9.48	60.72	34.70	31.07	56.13	23.56
EN0104: Turbidity									
Turbidity	0.1	NTU	1.2	22	6.0	4.0	1.2	1.1	0.75
EP005: Total Organic Carbon									
Total Organic Carbon	0.1	mg/L	0.84	14.7	2.59	5.31	1.35	2.81	2.97

LOR = Limit of reporting

Approved by



Senior Manager



Analytical Results

Client sample ID Client sampling date / time			SW6902 ST39 17-Feb-26	SW6902 ST40 16-Feb-26	SW6902 ST41 18-Feb-26	----	----	----	----
Compound	LOR	Unit	2613295-22	2613295-23	2613295-24	----	----	----	----
EA015: Total Dissolved Solids									
Total Dissolved solids	5	mg/L	556	181	1016	----	----	----	----
EA025: Suspended Solids									
Total Suspended Solids	5	mg/L	61	9	7	----	----	----	----
EA065: Total Hardness									
Total Hardness	1	mg/L	774	133	1222	----	----	----	----
ED037P: Alkalinity									
Bicarbonate Alkalinity	1	mg/L	182	81	111	----	----	----	----
Carbonate Alkalinity	1	mg/L	<1	<1	<1	----	----	----	----
Hydroxide Alkalinity	1	mg/L	<1	<1	<1	----	----	----	----
Phenolphthalein Alkalinity	1	mg/L	<1	<1	<1	----	----	----	----
Total Alkalinity	1	mg/L	182	81	111	----	----	----	----
ED041G: Sulfate									
Sulfate	1.0	mg/L	526	75.6	806	----	----	----	----
ED045G: Chloride Discrete analyzer									
Chloride	1.0	mg/L	2.5	<1.0	1.4	----	----	----	----
ED093F: Dissolved Major Cations (GW & SW Dissolved)									
Calcium	0.10	mg/L	184	28.2	244	----	----	----	----
Magnesium	0.10	mg/L	76.7	15.1	149	----	----	----	----
Potassium	0.10	mg/L	12.2	3.28	6.28	----	----	----	----
Sodium	0.10	mg/L	12.9	1.51	22.9	----	----	----	----
EG020T: Total Metals by ICP-MS									
Arsenic	0.001	mg/L	0.004	0.003	0.002	----	----	----	----
Cobalt	0.001	mg/L	0.001	<0.001	<0.001	----	----	----	----
Copper	0.001	mg/L	0.003	<0.001	<0.001	----	----	----	----
Iron	0.05	mg/L	1.14	0.15	<0.05	----	----	----	----
Lead	0.001	mg/L	<0.001	<0.001	<0.001	----	----	----	----
Manganese	0.001	mg/L	0.32	0.22	0.65	----	----	----	----
EG035T: Total Recoverable Mercury by CVAFS									
Mercury	0.0001	mg/L	<0.0001	<0.0001	<0.0001	----	----	----	----
EK025G: Cyanide Discrete analyzer									
Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	----	----	----	----
EK025G-1: Cyanide WAD Discrete analyzer									
Weak Acid Dissociable Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	----	----	----	----

LOR = Limit of reporting

Approved by



Senior Manager



Analytical Results

Client sample ID Client sampling date / time			SW6902 ST39 17-Feb-26	SW6902 ST40 16-Feb-26	SW6902 ST41 18-Feb-26	---	---	---	---
Compound	LOR	Unit	2613295-22	2613295-23	2613295-24	---	---	---	---
EN0055: Ionic Balance									
Ionic Balance	---	%	8.54	0.07	16.52	---	---	---	---
Total Anions	0.01	mEq/L	13.78	2.87	18.31	---	---	---	---
Total Cations	0.01	mEq/L	16.35	2.80	25.55	---	---	---	---
EN0104: Turbidity									
Turbidity	0.1	NTU	25	11	7.0	---	---	---	---
EP005: Total Organic Carbon									
Total Organic Carbon	0.1	mg/L	9.34	3.45	6.02	---	---	---	---

LOR = Limit of reporting

Approved by



Senior Manager

CERTIFICATE OF ANALYSIS

Client Akara Resources Public Co., Ltd.

ALS Lot No.

2640475

Contact Address Yaowanud Chandung
99 Moo 9, Tambon Khaochetluk, Amphur
Thapklor, Phichit Thailand 66230

Date Samples Received
Issue Date

May 21, 2026 01:00 PM
Jun 05, 2026 03:51 PM

Email yaowanud@akararesources.com

Quote number
Project

Q261054
CHATREE

Telephone 0-5661-4500
Facsimile 0-5661-4190

No. of samples received
No. of samples analysed

22
22

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. All pages of this report have been checked and approved for release.

General Comments

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or client request.

When sampling time information is not provided by client, sampling dates are shown without a time component. In this instances, the time component has been assumed by the laboratory for processing purposes.

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Page : 1 of 9

ALS Lot No. : 2640475

Client : Akara Resources Public Co., Ltd.

Project : CHATREE



Analytical Results

Client sample ID			SW6905 ST9	SW6905 ST10	SW6905 ST11	SW6905 ST14	SW6905 ST15	SW6905 ST16	SW6905 ST17
Client sampling date / time			20-May-26	20-May-26	20-May-26	18-May-26	20-May-26	18-May-26	20-May-26
Compound	LOR	Unit	2640475-1	2640475-2	2640475-3	2640475-4	2640475-5	2640475-6	2640475-7
EA015: Total Dissolved Solids									
Total Dissolved solids	5	mg/L	3400	1575	684	150	4125	258	1780
EA025: Suspended Solids									
Total Suspended Solids	5	mg/L	<5	<5	12	36	<5	<5	10
EA065: Total Hardness									
Total Hardness	1	mg/L	2435	1601	507	83	2894	131	1597
ED037P: Alkalinity									
Bicarbonate Alkalinity	1	mg/L	81	23	91	91	66	66	86
Carbonate Alkalinity	1	mg/L	<1	<1	10.00	<1	<1	<1	<1
Hydroxide Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Phenolphthalein Alkalinity	1	mg/L	<1	<1	5	<1	<1	<1	<1
Total Alkalinity	1	mg/L	81	23	101	91	66	66	86
ED041G: Sulfate									
Sulfate	1.0	mg/L	2107	1432	424	47.2	2441	102	1368
ED045G: Chloride Discrete analyzer									
Chloride	1.0	mg/L	<1.0	<1.0	<1.0	5.4	<1.0	13.5	5.1
ED093F: Dissolved Major Cations (GW & SW Dissolved)									
Calcium	0.10	mg/L	548	400	76.7	20.8	536	38.5	297
Magnesium	0.10	mg/L	303	173	85.4	8.64	433	9.86	243
Potassium	0.10	mg/L	9.76	10.6	6.89	6.71	11.4	4.08	10.2
Sodium	0.10	mg/L	31.2	25.6	10.9	18.6	41.0	28.3	39.8
EG020T: Total Metals by ICP-MS									
Arsenic	0.001	mg/L	0.001	<0.001	0.002	0.007	<0.001	0.001	0.002
Cobalt	0.001	mg/L	<0.001	0.003	<0.001	<0.001	<0.001	<0.001	<0.001
Copper	0.001	mg/L	<0.001	0.002	0.001	0.001	0.001	0.002	<0.001
Iron	0.05	mg/L	<0.05	0.19	0.15	0.56	<0.05	0.24	0.07
Lead	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	0.001	mg/L	0.07	0.47	0.20	0.21	0.47	0.20	0.37
EG035T: Total Recoverable Mercury by CVAFS									
Mercury	0.0001	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
EK025G: Cyanide Discrete analyzer									
Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
EK025G-1: Cyanide WAD Discrete analyzer									
Weak Acid Dissociable Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002

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Senior Manager



Analytical Results

Client sample ID Client sampling date / time			SW6905 ST9 20-May-26	SW6905 ST10 20-May-26	SW6905 ST11 20-May-26	SW6905 ST14 18-May-26	SW6905 ST15 20-May-26	SW6905 ST16 18-May-26	SW6905 ST17 20-May-26
Compound	LOR	Unit	2640475-1	2640475-2	2640475-3	2640475-4	2640475-5	2640475-6	2640475-7
EN0055: Ionic Balance									
Ionic Balance	----	%	9.81	9.21	6.34	0.12	11.78	6.98	11.13
Total Anions	0.01	mEq/L	44.29	29.57	10.14	2.61	50.86	3.53	29.44
Total Cations	0.01	mEq/L	53.92	35.57	11.51	2.73	64.44	4.06	36.82
EN0104: Turbidity									
Turbidity	0.1	NTU	1.2	3.2	9.5	26	0.60	3.2	9.8
EP005: Total Organic Carbon									
Total Organic Carbon	0.1	mg/L	1.31	1.62	8.06	15.0	2.63	12.0	11.0

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Analytical Results

Client sample ID Client sampling date / time			SW6905 ST18 20-May-26	SW6905 ST20 19-May-26	SW6905 ST21 20-May-26	SW6905 ST23 18-May-26	SW6905 ST27 19-May-26	SW6905 ST28 19-May-26	SW6905 ST29 19-May-26
Compound	LOR	Unit	2640475-8	2640475-9	2640475-10	2640475-11	2640475-12	2640475-13	2640475-14
EA015: Total Dissolved Solids									
Total Dissolved solids	5	mg/L	864	1260	1504	624	804	656	1695
EA025: Suspended Solids									
Total Suspended Solids	5	mg/L	6	7	<5	17	<5	16	<5
EA065: Total Hardness									
Total Hardness	1	mg/L	647	1269	2565	527	1301	493	1525
ED037P: Alkalinity									
Bicarbonate Alkalinity	1	mg/L	96	10	76	116	20	20	51
Carbonate Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Hydroxide Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Phenolphthalein Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Total Alkalinity	1	mg/L	96	10	76	116	20	20	51
ED041G: Sulfate									
Sulfate	1.0	mg/L	656	1032	2478	551	1345	450	1683
ED045G: Chloride Discrete analyzer									
Chloride	1.0	mg/L	9.0	<1.0	<1.0	8.6	<1.0	4.8	<1.0
ED093F: Dissolved Major Cations (GW & SW Dissolved)									
Calcium	0.10	mg/L	128	261	509	116	368	117	477
Magnesium	0.10	mg/L	88.5	177	365	66.9	146	55.6	133
Potassium	0.10	mg/L	12.9	11.3	11.3	4.71	11.0	8.07	8.88
Sodium	0.10	mg/L	53.9	12.7	27.4	62.9	21.2	16.0	34.5
EG020T: Total Metals by ICP-MS									
Arsenic	0.001	mg/L	0.002	0.001	<0.001	0.003	<0.001	0.005	0.001
Cobalt	0.001	mg/L	<0.001	0.02	<0.001	0.002	0.003	<0.001	0.002
Copper	0.001	mg/L	<0.001	0.004	<0.001	0.004	0.001	<0.001	<0.001
Iron	0.05	mg/L	<0.05	0.17	<0.05	0.97	0.08	0.06	0.15
Lead	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	0.001	mg/L	0.36	2.62	0.01	6.34	0.61	0.07	0.22
EG035T: Total Recoverable Mercury by CVAFS									
Mercury	0.0001	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
EK025G: Cyanide Discrete analyzer									
Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
EK025G-1: Cyanide WAD Discrete analyzer									
Weak Acid Dissociable Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002

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Analytical Results

Client sample ID Client sampling date / time			SW6905 ST18 20-May-26	SW6905 ST20 19-May-26	SW6905 ST21 20-May-26	SW6905 ST23 18-May-26	SW6905 ST27 19-May-26	SW6905 ST28 19-May-26	SW6905 ST29 19-May-26
Compound	LOR	Unit	2640475-8	2640475-9	2640475-10	2640475-11	2640475-12	2640475-13	2640475-14
EN0055: Ionic Balance									
Ionic Balance	----	%	3.58	14.46	4.70	2.72	6.43	7.99	1.89
Total Anions	0.01	mEq/L	15.20	21.22	51.78	13.39	27.75	9.64	35.15
Total Cations	0.01	mEq/L	16.33	28.40	56.89	14.14	31.57	11.31	36.50
EN0104: Turbidity									
Turbidity	0.1	NTU	8.0	4.6	0.95	23	2.2	10	2.7
EP005: Total Organic Carbon									
Total Organic Carbon	0.1	mg/L	9.41	2.10	2.37	9.41	1.83	16.1	1.07

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Analytical Results

Client sample ID Client sampling date / time			SW6905 ST30 20-May-26	SW6905 ST31 18-May-26	SW6905 ST33 20-May-26	SW6905 ST36 20-May-26	SW6905 ST37 20-May-26	SW6905 ST39 19-May-26	SW6905 ST40 18-May-26
Compound	LOR	Unit	2640475-15	2640475-16	2640475-17	2640475-18	2640475-19	2640475-20	2640475-21
EA015: Total Dissolved Solids									
Total Dissolved solids	5	mg/L	2985	1600	860	3465	932	992	170
EA025: Suspended Solids									
Total Suspended Solids	5	mg/L	<5	<5	11	<5	<5	7	<5
EA065: Total Hardness									
Total Hardness	1	mg/L	2265	1868	621	2525	1046	1784	134
ED037P: Alkalinity									
Bicarbonate Alkalinity	1	mg/L	15	71	<1	66	23	56	20
Carbonate Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Hydroxide Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Phenolphthalein Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Total Alkalinity	1	mg/L	15	71	<1	66	23	56	20
ED041G: Sulfate									
Sulfate	1.0	mg/L	2068	1651	675	2310	981	1465	96.8
ED045G: Chloride Discrete analyzer									
Chloride	1.0	mg/L	<1.0	<1.0	<1.0	7.8	<1.0	<1.0	1.4
ED093F: Dissolved Major Cations (GW & SW Dissolved)									
Calcium	0.10	mg/L	381	330	130	454	274	391	30.6
Magnesium	0.10	mg/L	319	253	81.0	337	124	196	16.4
Potassium	0.10	mg/L	11.7	12.3	10.6	5.65	4.27	11.7	4.06
Sodium	0.10	mg/L	14.1	13.6	5.44	45.0	22.8	20.4	2.21
EG020T: Total Metals by ICP-MS									
Arsenic	0.001	mg/L	<0.001	0.005	0.001	<0.001	<0.001	0.002	0.003
Cobalt	0.001	mg/L	<0.001	<0.001	0.11	<0.001	<0.001	<0.001	<0.001
Copper	0.001	mg/L	<0.001	0.001	0.03	<0.001	<0.001	<0.001	<0.001
Iron	0.05	mg/L	<0.05	<0.05	0.39	<0.05	0.20	<0.05	<0.05
Lead	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	0.001	mg/L	1.44	0.16	7.41	0.010	0.28	0.66	0.02
EG035T: Total Recoverable Mercury by CVAFS									
Mercury	0.0001	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
EK025G: Cyanide Discrete analyzer									
Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
EK025G-1: Cyanide WAD Discrete analyzer									
Weak Acid Dissociable Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002

LOR = Limit of reporting

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Senior Manager



Analytical Results

Client sample ID Client sampling date / time			SW6905 ST30 20-May-26	SW6905 ST31 18-May-26	SW6905 ST33 18-May-26	SW6905 ST36 20-May-26	SW6905 ST37 20-May-26	SW6905 ST39 19-May-26	SW6905 ST40 18-May-26
Compound	LOR	Unit	2640475-15	2640475-16	2640475-17	2640475-18	2640475-19	2640475-20	2640475-21
EN0055: Ionic Balance									
Ionic Balance	----	%	4.22	4.58	0.40	4.08	10.24	9.00	13.44
Total Anions	0.01	mEq/L	42.41	34.85	13.77	48.40	20.38	30.78	2.35
Total Cations	0.01	mEq/L	46.15	38.20	13.66	52.52	25.03	36.87	3.08
EN0104: Turbidity									
Turbidity	0.1	NTU	0.95	4.0	9.2	0.70	2.8	5.6	0
EP005: Total Organic Carbon									
Total Organic Carbon	0.1	mg/L	3.36	8.13	0.27	2.95	3.06	6.40	6.97

LOR = Limit of reporting

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Senior Manager



Analytical Results

Client sample ID Client sampling date / time			SW6905 ST41 20-May-26	SW6905 ST42 20-May-26	SW6905 ST43 20-May-26	SW6905 ST44 20-May-26	SW6905 ST45 20-May-26	SW6905 ST46 20-May-26	SW6905 ST47 20-May-26
Compound	LOR	Unit	2640475-22	2640475-23	2640475-24	2640475-25	2640475-26	2640475-27	2640475-28
EA015: Total Dissolved Solids									
Total Dissolved solids	5	mg/L	1348	----	----	----	----	----	----
EA025: Suspended Solids									
Total Suspended Solids	5	mg/L	<5	----	----	----	----	----	----
EA065: Total Hardness									
Total Hardness	1	mg/L	1317	----	----	----	----	----	----
ED037P: Alkalinity									
Bicarbonate Alkalinity	1	mg/L	23	----	----	----	----	----	----
Carbonate Alkalinity	1	mg/L	<1	----	----	----	----	----	----
Hydroxide Alkalinity	1	mg/L	<1	----	----	----	----	----	----
Phenolphthalein Alkalinity	1	mg/L	<1	----	----	----	----	----	----
Total Alkalinity	1	mg/L	23	----	----	----	----	----	----
ED041G: Sulfate									
Sulfate	1.0	mg/L	1148	----	----	----	----	----	----
ED045G: Chloride Discrete analyzer									
Chloride	1.0	mg/L	1.8	----	----	----	----	----	----
ED093F: Dissolved Major Cations (GW & SW Dissolved)									
Calcium	0.10	mg/L	264	----	----	----	----	----	----
Magnesium	0.10	mg/L	161	----	----	----	----	----	----
Potassium	0.10	mg/L	8.12	----	----	----	----	----	----
Sodium	0.10	mg/L	27.5	----	----	----	----	----	----
EG020T: Total Metals by ICP-MS									
Arsenic	0.001	mg/L	0.001	----	----	----	----	----	----
Cobalt	0.001	mg/L	<0.001	----	----	----	----	----	----
Copper	0.001	mg/L	0.002	----	----	----	----	----	----
Iron	0.05	mg/L	0.06	----	----	----	----	----	----
Lead	0.001	mg/L	<0.001	----	----	----	----	----	----
Manganese	0.001	mg/L	0.72	----	----	----	----	----	----
EG035T: Total Recoverable Mercury by CVAFS									
Mercury	0.0001	mg/L	<0.0001	----	----	----	----	----	----
EK025G: Cyanide Discrete analyzer									
Cyanide	0.002	mg/L	<0.002	----	----	----	----	----	----
EK025G-1: Cyanide WAD Discrete analyzer									
Weak Acid Dissociable Cyanide	0.002	mg/L	<0.002	----	----	----	----	----	----

LOR = Limit of reporting

Approved by



Senior Manager



Analytical Results

			Client sample ID	SW6905 ST41						
			Client sampling date / time	20-May-26						
Compound	LOR	Unit	2640475-22							
EN0055: Ionic Balance										
Ionic Balance	----	%	7.80	0	0	----	----	----	----	----
Total Anions	0.01	mEq/L	23.83	0	0	----	----	----	----	----
Total Cations	0.01	mEq/L	27.86	0	0	----	----	----	----	----
EN0104: Turbidity										
Turbidity	0.1	NTU	0	0	0	----	----	----	----	----
EP005: Total Organic Carbon										
Total Organic Carbon	0.1	mg/L	6.94	0	0	----	----	----	----	----

LOR = Limit of reporting

Approved by



Senior Manager



CERTIFICATE OF ANALYSIS

Client Akara Resources Public Co., Ltd.
Contact Yaowanud Chandung
Address 99 Moo 9, Tambon Khaochetluk, Amphur Thapklor, Phichit Thailand 66230
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ALS Lot No. 2613536
Date Samples Received Feb 18, 2026 12:30 PM
Issue Date Feb 27, 2026 06:12 PM
Quote number Q261054
Project CHATREE
No. of samples received 24
No. of samples analysed 24

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. All pages of this report have been checked and approved for release.

General Comments

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Page : 1 of 5

ALS Lot No. : 2613536
Client : Akara Resources Public Co., Ltd.
Project : CHATREE



Analytical Results

Client sample ID			GW6902ST4	GW6902ST7	GW6902ST8	GW6902ST9	GW6902ST10	GW6902ST11	GW6902ST12
Client sampling date / time			17-Feb-26	16-Feb-26	16-Feb-26	17-Feb-26	16-Feb-26	16-Feb-26	17-Feb-26
Compound	LOR	Unit	2613536-1	2613536-2	2613536-3	2613536-4	2613536-5	2613536-6	2613536-7
EA015: Total Dissolved Solids									
Total Dissolved solids	5	mg/L	358	436	202	196	344	193	290
EA065: Total Hardness									
Total Hardness	1	mg/L	249	267	145	128	180	101	204
ED037P: Alkalinity									
Bicarbonate Alkalinity	1	mg/L	283	349	132	111	258	121	202
Carbonate Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Hydroxide Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Phenolphthalein Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Total Alkalinity	1	mg/L	283	349	132	111	258	121	202
ED041G: Sulfate									
Sulfate	1.0	mg/L	34.4	28.1	37.7	23.7	35.8	18.0	17.5
ED045G: Chloride Discrete analyzer									
Chloride	1.0	mg/L	13.5	16.5	13.5	3.5	8.1	<1.0	<1.0
ED093F: Dissolved Major Cations (GW & SW Dissolved)									
Calcium	0.10	mg/L	73.7	69.4	49.2	33.4	50.3	28.1	74.6
Magnesium	0.10	mg/L	16.0	23.0	5.53	11.0	13.5	7.79	4.40
Potassium	0.10	mg/L	0.69	1.07	6.07	0.80	1.04	1.60	1.32
Sodium	0.10	mg/L	35.4	71.0	16.4	18.2	50.1	15.2	11.4
EG020F: Dissolved Metals by ICP-MS (GW-Dissolved)									
Arsenic	0.001	mg/L	0.004	0.004	0.003	<0.001	<0.001	<0.001	0.004
Cobalt	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Copper	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001
Iron	0.05	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Lead	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	0.001	mg/L	0.03	0.10	0.12	0.008	0.43	0.02	0.007
EG035F: Dissolved Mercury by CVAFS (GW-Dissolved)									
Mercury	0.0001	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
EK025G: Cyanide Discrete analyzer									
Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
EK025G: Cyanide Discrete analyzer									
Weak Acid Dissociable Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
EN055: Ionic Balance									
Ionic Balance	----	%	6.67	11.24	6.70	16.96	5.83	0.36	11.36
Total Anions	0.01	mEq/L	5.73	6.76	3.30	2.41	5.19	2.38	3.67
Total Cations	0.01	mEq/L	6.55	8.47	3.78	3.39	5.83	2.74	4.61
Turbidity									
Turbidity	0.1	NTU	1.1	1.6	50	0.45	3.2	36	0.25

Approved by

Kanokkorn Anek
Senior Manager



Analytical Results

Client sample ID			GW6902ST13	GW6902ST15	GW6902ST18	GW6902ST21	GW6902ST22	GW6902ST23	RG69026672
Client sampling date / time			17-Feb-26	17-Feb-26	16-Feb-26	17-Feb-26	16-Feb-26	17-Feb-26	17-Feb-26
Compound	LOR	Unit	2613536-8	2613536-9	2613536-10	2613536-11	2613536-12	2613536-13	2613536-14
EA015: Total Dissolved Solids									
Total Dissolved solids	5	mg/L	266	280	424	296	340	308	254
EA065: Total Hardness									
Total Hardness	1	mg/L	181	165	235	243	248	214	143
ED037P: Alkalinity									
Bicarbonate Alkalinity	1	mg/L	187	116	218	248	293	213	126
Carbonate Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Hydroxide Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Phenolphthalein Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Total Alkalinity	1	mg/L	187	116	218	248	293	213	126
ED041G: Sulfate									
Sulfate	1.0	mg/L	7.6	72.3	94.8	26.0	17.1	14.8	38.8
ED045G: Chloride Discrete analyzer									
Chloride	1.0	mg/L	4.8	11.0	31.4	3.1	1.3	2.4	1.1
ED093F: Dissolved Major Cations (GW & SW Dissolved)									
Calcium	0.10	mg/L	54.1	52.3	70.0	71.6	75.9	72.3	34.7
Magnesium	0.10	mg/L	11.3	8.63	14.8	15.8	14.4	8.44	14.1
Potassium	0.10	mg/L	0.80	6.88	1.66	0.52	1.37	0.97	4.74
Sodium	0.10	mg/L	16.5	9.44	72.3	24.1	35.2	20.2	16.2
EG020F: Dissolved Metals by ICP-MS (GW-Dissolved)									
Arsenic	0.001	mg/L	<0.001	<0.001	<0.001	0.002	0.003	0.002	0.001
Cobalt	0.001	mg/L	<0.001	0.004	<0.001	<0.001	<0.001	<0.001	<0.001
Copper	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	0.003	<0.001	<0.001
Iron	0.05	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Lead	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	0.001	mg/L	0.27	1.47	0.006	0.02	0.38	0.37	0.03
EG035F: Dissolved Mercury by CVAFS (GW-Dissolved)									
Mercury	0.0001	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
EK025G: Cyanide Discrete analyzer									
Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
EK025G: Cyanide Discrete analyzer									
Weak Acid Dissociable Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
EN055: Ionic Balance									
Ionic Balance	----	%	13.09	2.82	10.62	11.84	11.46	14.98	12.47
Total Anions	0.01	mEq/L	3.36	3.69	6.38	4.68	5.20	3.85	2.89
Total Cations	0.01	mEq/L	4.37	3.91	7.90	5.94	6.54	5.21	3.72
Turbidity									
Turbidity	0.1	NTU	2.9	45	0.35	0.60	1.4	7.1	6.3

Approved by

Senior Manager



Analytical Results

Client sample ID			RG6902690	RG6902691	RG6902692	RG6902693	RG69024017	RG69024018	RG69024020
Client sampling date / time			17-Feb-26	17-Feb-26	16-Feb-26	17-Feb-26	16-Feb-26	16-Feb-26	16-Feb-26
Compound	LOR	Unit	2613536-15	2613536-16	2613536-17	2613536-18	2613536-19	2613536-20	2613536-21
EA015: Total Dissolved Solids									
Total Dissolved solids	5	mg/L	408	326	236	338	496	60	416
EA065: Total Hardness									
Total Hardness	1	mg/L	353	293	154	301	309	38	208
ED037P: Alkalinity									
Bicarbonate Alkalinity	1	mg/L	354	339	172	258	228	23	288
Carbonate Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Hydroxide Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Phenolphthalein Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Total Alkalinity	1	mg/L	354	339	172	258	228	23	288
ED041G: Sulfate									
Sulfate	1.0	mg/L	2.4	5.5	3.4	56.4	125	7.3	95.0
ED045G: Chloride Discrete analyzer									
Chloride	1.0	mg/L	<1.0	4.2	<1.0	1.6	31.3	1.5	22.8
ED093F: Dissolved Major Cations (GW & SW Dissolved)									
Calcium	0.10	mg/L	108	71.9	39.5	92.3	88.5	14.2	38.7
Magnesium	0.10	mg/L	20.8	27.9	13.8	17.4	21.8	0.96	27.5
Potassium	0.10	mg/L	0.75	9.46	0.35	0.41	1.47	3.82	1.02
Sodium	0.10	mg/L	26.2	32.3	22.8	8.52	58.2	1.31	115
EG020F: Dissolved Metals by ICP-MS (GW-Dissolved)									
Arsenic	0.001	mg/L	0.003	0.001	0.002	0.001	<0.001	<0.001	<0.001
Cobalt	0.001	mg/L	<0.001	0.010	<0.001	<0.001	<0.001	<0.001	<0.001
Copper	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001
Iron	0.05	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Lead	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	0.001	mg/L	0.006	1.62	0.002	0.04	0.56	0.06	0.03
EG035F: Dissolved Mercury by CVAFS (GW-Dissolved)									
Mercury	0.0001	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
EK025G: Cyanide Discrete analyzer									
Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
EK025G: Cyanide Discrete analyzer									
Weak Acid Dissociable Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
EN055: Ionic Balance									
Ionic Balance	----	%	16.83	13.13	17.18	8.40	10.05	0.38	11.50
Total Anions	0.01	mEq/L	5.87	5.79	2.90	5.42	7.17	0.57	7.31
Total Cations	0.01	mEq/L	8.24	7.54	4.11	6.42	8.78	0.94	9.21
Turbidity									
Turbidity	0.1	NTU	2.8	15	1.6	65	3.0	90	5.7

Approved by

Senior Manager



Analytical Results

Client sample ID			RG69024021	RG69024024	RG69024025	----	----	----	----
Client sampling date / time			16-Feb-26	16-Feb-26	16-Feb-26	----	----	----	----
Compound	LOR	Unit	2613536-22	2613536-23	2613536-24	----	----	----	----
EA015: Total Dissolved Solids									
Total Dissolved solids	5	mg/L	222	131	151	----	----	----	----
EA065: Total Hardness									
Total Hardness	1	mg/L	166	79	121	----	----	----	----
ED037P: Alkalinity									
Bicarbonate Alkalinity	1	mg/L	182	81	116	----	----	----	----
Carbonate Alkalinity	1	mg/L	<1	<1	<1	----	----	----	----
Hydroxide Alkalinity	1	mg/L	<1	<1	<1	----	----	----	----
Phenolphthalein Alkalinity	1	mg/L	<1	<1	<1	----	----	----	----
Total Alkalinity	1	mg/L	182	81	116	----	----	----	----
ED041G: Sulfate									
Sulfate	1.0	mg/L	5.2	23.2	12.8	----	----	----	----
ED045G: Chloride Discrete analyzer									
Chloride	1.0	mg/L	2.7	2.6	5.4	----	----	----	----
ED093F: Dissolved Major Cations (GW & SW Dissolved)									
Calcium	0.10	mg/L	53.9	22.5	36.4	----	----	----	----
Magnesium	0.10	mg/L	7.94	5.80	7.60	----	----	----	----
Potassium	0.10	mg/L	6.19	1.26	2.75	----	----	----	----
Sodium	0.10	mg/L	16.1	13.2	11.4	----	----	----	----
EG020F: Dissolved Metals by ICP-MS (GW-Dissolved)									
Arsenic	0.001	mg/L	0.002	0.001	<0.001	----	----	----	----
Cobalt	0.001	mg/L	<0.001	0.001	<0.001	----	----	----	----
Copper	0.001	mg/L	<0.001	<0.001	<0.001	----	----	----	----
Iron	0.05	mg/L	<0.05	<0.05	<0.05	----	----	----	----
Lead	0.001	mg/L	<0.001	<0.001	<0.001	----	----	----	----
Manganese	0.001	mg/L	0.51	0.74	0.002	----	----	----	----
EG035F: Dissolved Mercury by CVAFS (GW-Dissolved)									
Mercury	0.0001	mg/L	<0.0001	<0.0001	<0.0001	----	----	----	----
EK025G: Cyanide Discrete analyzer									
Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	----	----	----	----
EK025G: Cyanide Discrete analyzer									
Weak Acid Dissociable Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	----	----	----	----
EN055: Ionic Balance									
Ionic Balance	----	%	14.06	0.33	12.98	----	----	----	----
Total Anions	0.01	mEq/L	3.17	1.87	2.32	----	----	----	----
Total Cations	0.01	mEq/L	4.20	2.20	3.01	----	----	----	----
Turbidity									
Turbidity	0.1	NTU	24	4.9	9.8	----	----	----	----

Approved by



CERTIFICATE OF ANALYSIS

Client	Akara Resources Public Co., Ltd.	ALS Lot No.	2613551
Contact Address	Yaowanud Chandung 99 Moo 9, Tambon Khaochetluk, Amphur Thapklor, Phichit Thailand 66230	Date Samples Received	Feb 19, 2026 01:00 PM
Email	yaowanud@akararesources.com	Issue Date	Feb 27, 2026 06:34 PM
Telephone	0-5661-4500	Quote number	Q261054
Facsimile	0-5661-4190	Project	CHATREE
		No. of samples received	18
		No. of samples analysed	18

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. All pages of this report have been checked and approved for release.

General Comments

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or client request.

When sampling time information is not provided by client, sampling dates are shown without a time component. In this instances, the time component has been assumed by the laboratory for processing purposes.

The 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.



Analytical Results

Client sample ID Client sampling date / time			MS6902678 17-Feb-26	MS6902679 17-Feb-26	MS69025993 18-Feb-26	MS69025994 18-Feb-26	MS69025997 17-Feb-26	MS69025998 17-Feb-26	MS69026081 17-Feb-26
Compound	LOR	Unit	2613551-2	2613551-3	2613551-4	2613551-5	2613551-6	2613551-7	2613551-8
EA015: Total Dissolved Solids									
Total Dissolved Solids	5	mg/L	209	324	3486	1948	148	220	988
EA065: Total Hardness									
Total Hardness	1	mg/L	135	183	3064	1796	44	96	748
ED037P: Alkalinity									
Bicarbonate Alkalinity	1	mg/L	121	106	223	364	76	116	137
Carbonate Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Hydroxide Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Phenolphthalein Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Total Alkalinity	1	mg/L	121	106	223	364	76	116	137
ED041G: Sulfate									
Sulfate	1.0	mg/L	37.1	91.2	2328	1062	10.5	36.2	558
ED045G: Chloride Discrete analyzer									
Chloride	1.0	mg/L	<1.0	<1.0	2.5	<1.0	<1.0	3.4	<1.0
ED093F: Dissolved Major Cations (GW & SW Dissolved)									
Calcium	0.10	mg/L	26.7	44.1	799	542	12.7	33.4	154
Magnesium	0.10	mg/L	16.6	17.6	262	108	2.94	3.19	66.3
Potassium	0.10	mg/L	0.51	1.04	1.81	5.94	1.07	0.46	2.18
Sodium	0.10	mg/L	16.2	16.8	75.4	49.5	16.7	35.8	75.6
EG020F: Dissolved Metals by ICP-MS (GW-Dissolved)									
Arsenic	0.001	mg/L	0.001	0.001	0.003	0.007	<0.001	<0.001	<0.001
Cobalt	0.001	mg/L	<0.001	0.008	<0.001	<0.001	<0.001	<0.001	<0.001
Copper	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	0.003	<0.001
Iron	0.05	mg/L	<0.05	<0.05	<0.05	<0.05	0.07	<0.05	<0.05
Lead	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	0.001	mg/L	0.17	0.68	0.005	1.40	0.11	0.05	0.32
EG035F: Dissolved Mercury by CVAFS (GW-Dissolved)									
Mercury	0.0001	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
EK025G: Cyanide Discrete analyzer									
Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
EK025G-1: Cyanide WAD Discrete analyzer									
Weak Acid Dissociable Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
EN0055: Ionic Balance									
Ionic Balance	----	%	10.84	10.05	11.66	16.10	0.17	12.12	9.53
Total Anions	0.01	mEq/L	2.75	3.60	51.19	27.62	1.46	2.74	13.63
Total Cations	0.01	mEq/L	3.42	4.41	64.70	38.23	1.63	3.50	16.50
EN0104: Turbidity									
Turbidity	0.1	NTU	20	120	9.7	13	2.6	120	5.0



Senior Manager



Analytical Results

Client sample ID Client sampling date / time			MS69026082 17-Feb-26	MS69026083 17-Feb-26	MS69026084 17-Feb-26	MS69026647 16-Feb-26	MS69026648 16-Feb-26	MS69026651 16-Feb-26	MS69026652 16-Feb-26
Compound	LOR	Unit	2613551-9	2613551-10	2613551-11	2613551-12	2613551-13	2613551-14	2613551-15
EA015: Total Dissolved Solids									
Total Dissolved Solids	5	mg/L	3114	384	376	482	236	452	488
EA065: Total Hardness									
Total Hardness	1	mg/L	2136	303	348	365	208	398	402
ED037P: Alkalinity									
Bicarbonate Alkalinity	1	mg/L	207	243	278	152	142	187	253
Carbonate Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Hydroxide Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Phenolphthalein Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Total Alkalinity	1	mg/L	207	243	278	152	142	187	253
ED041G: Sulfate									
Sulfate	1.0	mg/L	1701	11.9	7.3	135	63.2	145	92.0
ED045G: Chloride Discrete analyzer									
Chloride	1.0	mg/L	<1.0	<1.0	<1.0	4.1	<1.0	1.7	6.2
ED093F: Dissolved Major Cations (GW & SW Dissolved)									
Calcium	0.10	mg/L	401	96.6	85.3	113	62.2	111	110
Magnesium	0.10	mg/L	278	14.9	32.7	20.3	12.8	29.1	31.0
Potassium	0.10	mg/L	6.62	0.99	0.62	3.97	2.87	5.06	3.75
Sodium	0.10	mg/L	375	28.3	35.1	13.3	11.5	14.7	35.6
EG020F: Dissolved Metals by ICP-MS (GW-Dissolved)									
Arsenic	0.001	mg/L	0.002	0.003	0.002	<0.001	<0.001	0.002	0.02
Cobalt	0.001	mg/L	0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Copper	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Iron	0.05	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Lead	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	0.001	mg/L	4.26	0.12	0.04	0.20	0.27	0.69	2.84
EG035F: Dissolved Mercury by CVAFS (GW-Dissolved)									
Mercury	0.0001	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
EK025G: Cyanide Discrete analyzer									
Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
EK025G-1: Cyanide WAD Discrete analyzer									
Weak Acid Dissociable Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
EN0055: Ionic Balance									
Ionic Balance	----	%	21.80	26.72	28.64	19.68	13.06	17.97	21.92
Total Anions	0.01	mEq/L	38.10	4.22	4.71	5.35	3.64	6.06	6.20
Total Cations	0.01	mEq/L	59.35	7.30	8.49	7.97	4.73	8.72	9.68
EN0104: Turbidity									
Turbidity	0.1	NTU	32	1.6	9.2	7.4	350	14	100

Kanok Korn Anek

Kanok Korn Anek
Senior Manager



Analytical Results

Client sample ID Client sampling date / time			MS69026653 16-Feb-26 2613551-16	MS69026654 16-Feb-26 2613551-17	MS69026665 16-Feb-26 2613551-18	MS69026666 16-Feb-26 2613551-19	----	----	----
Compound	LOR	Unit							
EA015: Total Dissolved Solids									
Total Dissolved solids	5	mg/L	980	262	168	196	----	----	----
EA065: Total Hardness									
Total Hardness	1	mg/L	1054	146	77	171	----	----	----
ED037P: Alkalinity									
Bicarbonate Alkalinity	1	mg/L	121	81	91	137	----	----	----
Carbonate Alkalinity	1	mg/L	<1	<1	<1	10.00	----	----	----
Hydroxide Alkalinity	1	mg/L	<1	<1	<1	<1	----	----	----
Phenolphthalein Alkalinity	1	mg/L	<1	<1	<1	5	----	----	----
Total Alkalinity	1	mg/L	121	81	91	147	----	----	----
ED041G: Sulfate									
Sulfate	1.0	mg/L	632	91.8	18.1	19.5	----	----	----
ED045G: Chloride Discrete analyzer									
Chloride	1.0	mg/L	1.8	3.2	<1.0	<1.0	----	----	----
ED093F: Dissolved Major Cations (GW & SW Dissolved)									
Calcium	0.10	mg/L	190	15.9	23.6	54.4	----	----	----
Magnesium	0.10	mg/L	132	25.7	4.46	8.59	----	----	----
Potassium	0.10	mg/L	15.3	5.90	1.97	2.51	----	----	----
Sodium	0.10	mg/L	10.3	25.9	18.3	13.8	----	----	----
EG020F: Dissolved Metals by ICP-MS (GW-Dissolved)									
Arsenic	0.001	mg/L	<0.001	<0.001	<0.001	0.003	----	----	----
Cobalt	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	----	----	----
Copper	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	----	----	----
Iron	0.05	mg/L	0.53	<0.05	<0.05	<0.05	----	----	----
Lead	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	----	----	----
Manganese	0.001	mg/L	4.58	0.04	0.16	0.41	----	----	----
EG035F: Dissolved Mercury by CVAFS (GW-Dissolved)									
Mercury	0.0001	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	----	----	----
EK025G: Cyanide Discrete analyzer									
Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	----	----	----
EK025G-1: Cyanide WAD Discrete analyzer									
Weak Acid Dissociable Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	----	----	----
EN0055: Ionic Balance									
Ionic Balance	----	%	17.29	12.02	0.51	21.40	----	----	----
Total Anions	0.01	mEq/L	14.93	3.29	1.88	2.65	----	----	----
Total Cations	0.01	mEq/L	21.18	4.19	2.39	4.09	----	----	----
EN0104: Turbidity									
Turbidity	0.1	NTU	340	7.1	3.2	2.1	----	----	----

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CERTIFICATE OF ANALYSIS

Client	Akara Resources Public Co., Ltd.	ALS Lot No.	2613552
Contact Address	Yaowanud Chandung 99 Moo 9, Tambon Khaochetluk, Amphur Thapklor, Phichit Thailand 66230	Date Samples Received Issue Date	Feb 20, 2026 12:00 PM Feb 28, 2026 06:09 PM
Email	yaowanud@akararesources.com	Quote number Project	Q261054 CHATREE
Telephone Facsimile	0-5661-4500 0-5661-4190	No. of samples received No. of samples analysed	30 30

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. All pages of this report have been checked and approved for release.

General Comments

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or client request.

When sampling time information is not provided by client, sampling dates are shown without a time component. In this instances, the time component has been assumed by the laboratory for processing purposes.

The 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.



Analytical Results

Client sample ID			MS69025991	MS69025992	TSF6902663	TSF6902699	TSF69021991	TSF69021992	TSF69025350
Client sampling date / time			18-Feb-26	18-Feb-26	18-Feb-26	18-Feb-26	19-Feb-26	19-Feb-26	18-Feb-26
Compound	LOR	Unit	2613552-1	2613552-2	2613552-3	2613552-4	2613552-5	2613552-6	2613552-7
EA015: Total Dissolved Solids									
Total Dissolved Solids	5	mg/L	166	298	972	1624	708	768	880
EA065: Total Hardness									
Total Hardness	1	mg/L	96	229	990	1529	695	571	790
ED037P: Alkalinity									
Bicarbonate Alkalinity	1	mg/L	81	213	319	324	445	546	359
Carbonate Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Hydroxide Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Phenolphthalein Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Total Alkalinity	1	mg/L	81	213	319	324	445	546	359
ED041G: Sulfate									
Sulfate	1.0	mg/L	19.2	11.6	398	951	67.9	61.5	340
ED045G: Chloride Discrete analyzer									
Chloride	1.0	mg/L	3.4	<1.0	28.0	15.1	3.8	3.5	10.7
ED093F: Dissolved Major Cations (GW & SW Dissolved)									
Calcium	0.10	mg/L	33.5	80.8	315	322	169	128	172
Magnesium	0.10	mg/L	2.55	5.80	42.5	176	47.4	57.8	58.6
Potassium	0.10	mg/L	0.35	0.49	2.58	1.23	0.83	0.45	2.97
Sodium	0.10	mg/L	10.5	12.0	33.6	72.2	30.5	84.2	75.3
EG020F: Dissolved Metals by ICP-MS (GW-Dissolved)									
Arsenic	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	0.003	0.004	0.001
Cobalt	0.001	mg/L	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001
Copper	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Iron	0.05	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Lead	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	0.001	mg/L	0.31	0.76	0.65	0.04	0.29	0.08	0.82
EG035F: Dissolved Mercury by CVAFS (GW-Dissolved)									
Mercury	0.0001	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
EK025G: Cyanide Discrete analyzer									
Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
EK025G-1: Cyanide WAD Discrete analyzer									
Weak Acid Dissociable Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
EN0055: Ionic Balance									
Ionic Balance	----	%	0.54	15.14	19.04	14.65	21.84	18.00	12.16
Total Anions	0.01	mEq/L	1.81	3.72	14.12	25.13	8.79	10.31	13.12
Total Cations	0.01	mEq/L	2.35	5.05	20.76	33.75	13.70	14.83	16.76
EN0104: Turbidity									
Turbidity	0.1	NTU	40	45	7.5	12	3.1	1.4	1.7



Analytical Results

Client sample ID			TSF69025351	TSF69025249	TSF69026534	TSF69025332	TSF69025336	TSF69026691	TSF69025338
Client sampling date / time			18-Feb-26	19-Feb-26	19-Feb-26	19-Feb-26	19-Feb-26	18-Feb-26	18-Feb-26
Compound	LOR	Unit	2613552-8	2613552-9	2613552-10	2613552-11	2613552-12	2613552-13	2613552-14
EA015: Total Dissolved Solids									
Total Dissolved Solids	5	mg/L	1744	416	450	191	494	496	460
EA065: Total Hardness									
Total Hardness	1	mg/L	1908	376	359	141	370	363	311
ED037P: Alkalinity									
Bicarbonate Alkalinity	1	mg/L	187	288	293	96	243	258	213
Carbonate Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Hydroxide Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Phenolphthalein Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Total Alkalinity	1	mg/L	187	288	293	96	243	258	213
ED041G: Sulfate									
Sulfate	1.0	mg/L	1199	31.5	24.7	31.4	54.9	51.0	57.2
ED045G: Chloride Discrete analyzer									
Chloride	1.0	mg/L	2.4	5.2	4.4	<1.0	<1.0	2.0	2.1
ED093F: Dissolved Major Cations (GW & SW Dissolved)									
Calcium	0.10	mg/L	360	133	127	40.7	114	112	96.3
Magnesium	0.10	mg/L	245	8.03	7.62	9.08	18.5	16.9	14.9
Potassium	0.10	mg/L	4.03	1.05	0.89	0.77	1.12	1.64	1.81
Sodium	0.10	mg/L	52.2	14.8	14.5	12.9	23.7	27.0	23.3
EG020F: Dissolved Metals by ICP-MS (GW-Dissolved)									
Arsenic	0.001	mg/L	<0.001	0.002	0.003	0.002	0.006	0.02	0.07
Cobalt	0.001	mg/L	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	<0.001
Copper	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Iron	0.05	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Lead	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	0.001	mg/L	0.06	0.50	0.05	0.33	0.002	1.26	1.28
EG035F: Dissolved Mercury by CVAFS (GW-Dissolved)									
Mercury	0.0001	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
EK025G: Cyanide Discrete analyzer									
Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
EK025G-1: Cyanide WAD Discrete analyzer									
Weak Acid Dissociable Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
EN0055: Ionic Balance									
Ionic Balance	----	%	19.00	18.33	16.86	20.46	23.59	21.36	20.21
Total Anions	0.01	mEq/L	27.59	5.52	5.44	2.22	5.10	5.33	4.71
Total Cations	0.01	mEq/L	40.53	7.99	7.64	3.36	8.25	8.22	7.09
EN0104: Turbidity									
Turbidity	0.1	NTU	14	1.2	5.5	40	0.65	100	140

Kanokorn Anek

Kanokorn Anek
Senior Manager



Analytical Results

Client sample ID Client sampling date / time			TSF69025339 18-Feb-26	TSF69026467 18-Feb-26	TSF69026468 18-Feb-26	TSF69026472 19-Feb-26	TSF69026473 19-Feb-26	TSF69026655 18-Feb-26	TSF69026656 18-Feb-26
Compound	LOR	Unit	2613552-15	2613552-16	2613552-17	2613552-18	2613552-19	2613552-20	2613552-21
EA015: Total Dissolved Solids									
Total Dissolved Solids	5	mg/L	228	600	2188	396	1864	90	26
EA065: Total Hardness									
Total Hardness	1	mg/L	139	824	1788	300	1741	78	7
ED037P: Alkalinity									
Bicarbonate Alkalinity	1	mg/L	66	339	66	223	13	76	8
Carbonate Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Hydroxide Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Phenolphthalein Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Total Alkalinity	1	mg/L	66	339	66	223	13	76	8
ED041G: Sulfate									
Sulfate	1.0	mg/L	50.0	282	1635	36.6	1360	14.7	2.6
ED045G: Chloride Discrete analyzer									
Chloride	1.0	mg/L	<1.0	3.0	36.1	<1.0	14.6	<1.0	6.9
ED093F: Dissolved Major Cations (GW & SW Dissolved)									
Calcium	0.10	mg/L	40.7	267	395	91.0	371	22.4	2.33
Magnesium	0.10	mg/L	8.71	33.4	167	16.5	191	5.10	0.29
Potassium	0.10	mg/L	3.90	2.41	20.7	0.96	1.82	1.82	0.36
Sodium	0.10	mg/L	18.1	29.6	341	19.5	75.0	8.45	3.64
EG020F: Dissolved Metals by ICP-MS (GW-Dissolved)									
Arsenic	0.001	mg/L	<0.001	0.001	<0.001	<0.001	<0.001	0.001	<0.001
Cobalt	0.001	mg/L	0.004	<0.001	0.07	<0.001	<0.001	0.004	<0.001
Copper	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	0.001	0.001	0.001
Iron	0.05	mg/L	<0.05	<0.05	<0.05	<0.05	0.74	<0.05	0.05
Lead	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	0.001	mg/L	0.49	0.11	18.8	0.34	1.64	0.43	0.02
EG035F: Dissolved Mercury by CVAFS (GW-Dissolved)									
Mercury	0.0001	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
EK025G: Cyanide Discrete analyzer									
Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
EK025G-1: Cyanide WAD Discrete analyzer									
Weak Acid Dissociable Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
EN0055: Ionic Balance									
Ionic Balance	----	%	26.77	20.94	15.88	21.20	13.91	0.39	0.06
Total Anions	0.01	mEq/L	2.10	11.38	35.43	4.40	28.35	1.56	0.37
Total Cations	0.01	mEq/L	3.64	17.41	48.81	6.77	37.50	1.95	0.31
EN0104: Turbidity									
Turbidity	0.1	NTU	50	2.9	0.75	18	12	50	1.1

Senior Manager

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Analytical Results

Client sample ID Client sampling date / time			TSF69026657 19-Feb-26	TSF69026658 19-Feb-26	TSF69026659 18-Feb-26	TSF69026660 18-Feb-26	TSF69026661 19-Feb-26	TSF69026662 19-Feb-26	TSF69026663 19-Feb-26
Compound	LOR	Unit	2613552-22	2613552-23	2613552-24	2613552-25	2613552-26	2613552-27	2613552-28
EA015: Total Dissolved Solids									
Total Dissolved Solids	5	mg/L	336	788	452	380	340	89	190
EA065: Total Hardness									
Total Hardness	1	mg/L	265	539	328	276	229	48	130
ED037P: Alkalinity									
Bicarbonate Alkalinity	1	mg/L	233	18	243	238	223	20	132
Carbonate Alkalinity	1	mg/L	<1	<1	20.00	<1	20.00	<1	<1
Hydroxide Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Phenolphthalein Alkalinity	1	mg/L	<1	<1	10	<1	10	<1	<1
Total Alkalinity	1	mg/L	233	18	263	238	223	20	132
ED041G: Sulfate									
Sulfate	1.0	mg/L	11.4	500	43.5	29.2	6.8	10.4	3.8
ED045G: Chloride Discrete analyzer									
Chloride	1.0	mg/L	<1.0	<1.0	<1.0	<1.0	2.1	<1.0	1.2
ED093F: Dissolved Major Cations (GW & SW Dissolved)									
Calcium	0.10	mg/L	90.8	137	101	92.3	76.2	16.3	39.1
Magnesium	0.10	mg/L	8.13	44.4	15.3	9.25	8.20	1.48	7.21
Potassium	0.10	mg/L	2.47	6.82	1.03	1.09	1.03	0.59	1.96
Sodium	0.10	mg/L	16.3	44.7	39.3	19.7	21.4	9.99	14.6
EG020F: Dissolved Metals by ICP-MS (GW-Dissolved)									
Arsenic	0.001	mg/L	<0.001	<0.001	0.005	0.003	0.006	<0.001	<0.001
Cobalt	0.001	mg/L	<0.001	0.02	<0.001	<0.001	<0.001	<0.001	0.003
Copper	0.001	mg/L	0.001	0.006	<0.001	<0.001	<0.001	<0.001	<0.001
Iron	0.05	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Lead	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	0.001	mg/L	0.11	2.96	0.01	0.04	0.02	0.12	0.39
EG035F: Dissolved Mercury by CVAFS (GW-Dissolved)									
Mercury	0.0001	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
EK025G: Cyanide Discrete analyzer									
Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
EK025G-1: Cyanide WAD Discrete analyzer									
Weak Acid Dissociable Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
EN0055: Ionic Balance									
Ionic Balance	----	%	19.18	9.17	24.50	16.38	17.13	0.84	17.48
Total Anions	0.01	mEq/L	4.05	10.48	4.88	4.49	3.85	0.54	2.27
Total Cations	0.01	mEq/L	5.97	12.60	8.04	6.25	5.44	1.39	3.23
EN0104: Turbidity									
Turbidity	0.1	NTU	4.6	1.3	1.6	1.7	1.8	1.5	18

Senior Manager



Analytical Results

			Client sample ID						
Client sampling date / time			TSF69026664	6902DC2					
			19-Feb-26	19-Feb-26					
Compound	LOR	Unit	2613552-29	2613552-30					
EA015: Total Dissolved Solids									
Total Dissolved solids	5	mg/L	200	----	----	----	----	----	----
EA065: Total Hardness									
Total Hardness	1	mg/L	145	----	----	----	----	----	----
ED037P: Alkalinity									
Bicarbonate Alkalinity	1	mg/L	152	----	----	----	----	----	----
Carbonate Alkalinity	1	mg/L	<1	----	----	----	----	----	----
Hydroxide Alkalinity	1	mg/L	<1	----	----	----	----	----	----
Phenolphthalein Alkalinity	1	mg/L	<1	----	----	----	----	----	----
Total Alkalinity	1	mg/L	152	----	----	----	----	----	----
ED041G: Sulfate									
Sulfate	1.0	mg/L	4.5	----	----	----	----	----	----
ED045G: Chloride Discrete analyzer									
Chloride	1.0	mg/L	<1.0	----	----	----	----	----	----
ED093F: Dissolved Major Cations (GW & SW Dissolved)									
Calcium	0.10	mg/L	42.1	----	----	----	----	----	----
Magnesium	0.10	mg/L	9.11	----	----	----	----	----	----
Potassium	0.10	mg/L	2.28	----	----	----	----	----	----
Sodium	0.10	mg/L	15.6	----	----	----	----	----	----
EG020F: Dissolved Metals by ICP-MS (GW-Dissolved)									
Arsenic	0.001	mg/L	<0.001	----	----	----	----	----	----
Cobalt	0.001	mg/L	0.004	----	----	----	----	----	----
Copper	0.001	mg/L	<0.001	----	----	----	----	----	----
Iron	0.05	mg/L	<0.05	----	----	----	----	----	----
Lead	0.001	mg/L	<0.001	----	----	----	----	----	----
Manganese	0.001	mg/L	0.50	----	----	----	----	----	----
EG035F: Dissolved Mercury by CVAFS (GW-Dissolved)									
Mercury	0.0001	mg/L	<0.0001	----	----	----	----	----	----
EK025G: Cyanide Discrete analyzer									
Cyanide	0.002	mg/L	<0.002	1.354	----	----	----	----	----
EK025G-1: Cyanide WAD Discrete analyzer									
Weak Acid Dissociable Cyanide	0.002	mg/L	<0.002	1.350	----	----	----	----	----
EN0055: Ionic Balance									
Ionic Balance	----	%	16.30	----	----	----	----	----	----
Total Anions	0.01	mEq/L	2.58	----	----	----	----	----	----
Total Cations	0.01	mEq/L	3.58	----	----	----	----	----	----
EN0104: Turbidity									
Turbidity	0.1	NTU	37	----	----	----	----	----	----



Senior Manager

CERTIFICATE OF ANALYSIS

Client	Akara Resources Public Co., Ltd.	ALS Lot No.	2640476
Contact	Yaowanud Chandung	Date Samples Received	May 20, 2026 12:30 PM
Address	99 Moo 9, Tambon Khaochetluk, Amphur Thapklor, Phichit Thailand 66230	Issue Date	May 28, 2026 03:44 PM
Email	yaowanud@akararesources.com	Quote number	Q261054
		Project	CHATREE
Telephone	0-5661-4500	No. of samples received	20
Facsimile	0-5661-4190	No. of samples analysed	20

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. All pages of this report have been checked and approved for release.

General Comments

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When sampling time information is not provided by client, sampling dates are shown without a time component. In this instances, the time component has been assumed by the laboratory for processing purposes.

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ALS Lot No. : 2640476
Client : Akara Resources Public Co., Ltd.
Project : CHATREE



Analytical Results

Client sample ID			GW6905ST4	GW6905ST7	GW6905ST9	GW6905ST10	GW6905ST11	GW6905ST12	GW6905ST13
Client sampling date / time			19-May-26	18-May-26	18-May-26	18-May-26	18-May-26	19-May-26	19-May-26
Compound	LOR	Unit	2640476-1	2640476-2	2640476-3	2640476-4	2640476-5	2640476-6	2640476-7
EA015: Total Dissolved Solids									
Total Dissolved solids	5	mg/L	392	420	285	255	232	240	278
EA065: Total Hardness									
Total Hardness	1	mg/L	302	293	153	248	114	226	185
ED037P: Alkalinity									
Bicarbonate Alkalinity	1	mg/L	283	354	111	268	116	202	182
Carbonate Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Hydroxide Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Phenolphthalein Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Total Alkalinity	1	mg/L	283	354	111	268	116	202	182
ED041G: Sulfate									
Sulfate	1.0	mg/L	36.7	28.0	26.4	50.5	16.5	18.1	8.4
ED045G: Chloride Discrete analyzer									
Chloride	1.0	mg/L	15.6	18.8	8.0	10.0	1.0	<1.0	9.5
ED093F: Dissolved Major Cations (GW & SW Dissolved)									
Calcium	0.10	mg/L	77.9	69.4	37.9	66.5	30.8	78.4	51.4
Magnesium	0.10	mg/L	18.6	26.2	12.7	17.4	8.77	4.95	11.3
Potassium	0.10	mg/L	0.56	0.41	0.42	0.69	1.51	1.24	0.44
Sodium	0.10	mg/L	40.7	69.4	19.1	56.0	16.3	11.7	17.4
EG020F: Dissolved Metals by ICP-MS (GW-Dissolved)									
Arsenic	0.001	mg/L	0.004	0.006	<0.001	0.001	<0.001	0.004	<0.001
Cobalt	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Copper	0.001	mg/L	<0.001	<0.001	<0.001	0.005	0.001	<0.001	<0.001
Iron	0.05	mg/L	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Lead	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	0.001	mg/L	0.03	0.06	0.010	0.64	0.01	0.002	0.27
EG035F: Dissolved Mercury by CVAFS (GW-Dissolved)									
Mercury	0.0001	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
EK025G: Cyanide Discrete analyzer									
Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
EK025G: Cyanide Discrete analyzer									
Weak Acid Dissociable Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
EN0055: Ionic Balance									
Ionic Balance	----	%	5.83	6.91	2.59	5.71	2.27	3.69	3.42
Total Anions	0.01	mEq/L	5.83	6.91	2.59	5.71	2.27	3.69	3.42
Total Cations	0.01	mEq/L	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EN0104: Turbidity									
Turbidity	0.1	NTU	1.3	0.70	0.15	0.50	2.8	0.10	2.7

Approved by





Analytical Results

Client sample ID			GW6905ST15	GW6905ST18	GW6905ST21	GW6905ST22	GW6905ST23	RG69056672	RG6905690
Client sampling date / time			18-May-26	18-May-26	19-May-26	18-May-26	19-May-26	19-May-26	19-May-26
Compound	LOR	Unit	2640476-8	2640476-9	2640476-10	2640476-11	2640476-12	2640476-13	2640476-14
EA015: Total Dissolved Solids									
Total Dissolved solids	5	mg/L	288	492	322	338	352	268	404
EA065: Total Hardness									
Total Hardness	1	mg/L	206	263	242	256	218	145	338
ED037P: Alkalinity									
Bicarbonate Alkalinity	1	mg/L	126	207	228	263	202	121	359
Carbonate Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Hydroxide Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Phenolphthalein Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Total Alkalinity	1	mg/L	126	207	228	263	202	121	359
ED041G: Sulfate									
Sulfate	1.0	mg/L	71.2	118	26.1	18.5	15.7	36.7	4.1
ED045G: Chloride Discrete analyzer									
Chloride	1.0	mg/L	14.0	33.7	6.6	5.9	2.6	1.0	<1.0
ED093F: Dissolved Major Cations (GW & SW Dissolved)									
Calcium	0.10	mg/L	62.5	71.5	66.0	71.4	68.6	31.8	96.3
Magnesium	0.10	mg/L	9.62	16.6	15.6	14.8	8.17	12.7	19.1
Potassium	0.10	mg/L	7.34	1.16	0.30	0.79	0.74	4.19	0.64
Sodium	0.10	mg/L	9.72	73.6	22.7	33.6	19.3	15.2	23.3
EG020F: Dissolved Metals by ICP-MS (GW-Dissolved)									
Arsenic	0.001	mg/L	<0.001	<0.001	0.002	0.003	0.002	0.001	0.003
Cobalt	0.001	mg/L	0.002	<0.001	<0.001	<0.001	<0.001	0.003	<0.001
Copper	0.001	mg/L	<0.001	<0.001	0.001	0.001	<0.001	<0.001	<0.001
Iron	0.05	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Lead	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	0.001	mg/L	1.24	0.01	0.02	0.34	0.40	0.45	0.20
EG035F: Dissolved Mercury by CVAFS (GW-Dissolved)									
Mercury	0.0001	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
EK025G: Cyanide Discrete analyzer									
Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
EK025G: Cyanide Discrete analyzer									
Weak Acid Dissociable Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
EN0055: Ionic Balance									
Ionic Balance	----	%	3.92	6.75	4.45	4.85	3.71	2.77	5.99
Total Anions	0.01	mEq/L	3.92	6.75	4.45	4.85	3.71	2.77	5.99
Total Cations	0.01	mEq/L	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EN0104: Turbidity									
Turbidity	0.1	NTU	33	0.40	0.60	1.0	19	15	1.4

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Analytical Results

Client sample ID			RG6905691	RG6905692	RG69054017	RG69054018	RG69054021	RG69054024	----
Client sampling date / time			19-May-26	19-May-26	18-May-26	18-May-26	18-May-26	18-May-26	----
Compound	LOR	Unit	2640476-15	2640476-16	2640476-17	2640476-18	2640476-19	2640476-20	----
EA015: Total Dissolved Solids									
Total Dissolved solids	5	mg/L	408	288	484	302	128	162	----
EA065: Total Hardness									
Total Hardness	1	mg/L	298	150	320	214	139	92	----
ED037P: Alkalinity									
Bicarbonate Alkalinity	1	mg/L	304	177	228	207	121	86	----
Carbonate Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	----
Hydroxide Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	----
Phenolphthalein Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	----
Total Alkalinity	1	mg/L	304	177	228	207	121	86	----
ED041G: Sulfate									
Sulfate	1.0	mg/L	29.7	4.7	143	33.4	20.5	15.6	----
ED045G: Chloride Discrete analyzer									
Chloride	1.0	mg/L	7.0	<1.0	24.7	2.1	3.2	6.7	----
ED093F: Dissolved Major Cations (GW & SW Dissolved)									
Calcium	0.10	mg/L	72.1	35.8	88.2	62.4	43.3	24.5	----
Magnesium	0.10	mg/L	25.4	13.0	21.1	11.0	5.82	6.43	----
Potassium	0.10	mg/L	10.3	0.36	1.19	3.60	5.09	1.37	----
Sodium	0.10	mg/L	33.7	21.7	60.0	20.2	8.68	14.5	----
EG020F: Dissolved Metals by ICP-MS (GW-Dissolved)									
Arsenic	0.001	mg/L	0.003	0.002	<0.001	0.001	0.004	0.001	----
Cobalt	0.001	mg/L	0.005	<0.001	<0.001	0.001	<0.001	<0.001	----
Copper	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	0.005	<0.001	----
Iron	0.05	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	----
Lead	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	----
Manganese	0.001	mg/L	1.84	0.13	0.45	0.40	0.10	0.94	----
EG035F: Dissolved Mercury by CVAFS (GW-Dissolved)									
Mercury	0.0001	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	----
EK025G: Cyanide Discrete analyzer									
Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	----
EK025G: Cyanide Discrete analyzer									
Weak Acid Dissociable Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	----
EN0055: Ionic Balance									
Ionic Balance	----	%	5.78	3.01	7.35	4.14	2.50	1.92	----
Total Anions	0.01	mEq/L	5.78	3.01	7.35	4.14	2.50	1.92	----
Total Cations	0.01	mEq/L	0.00	0.00	0.00	0.00	0.00	0.00	----
EN0104: Turbidity									
Turbidity	0.1	NTU	75	1.8	2.1	15	55	2.6	----

Approved by

Senior manager

CERTIFICATE OF ANALYSIS

Client	Akara Resources Public Co., Ltd.	ALS Lot No.	2640482
Contact Address	Yaowanud Chandung 99 Moo 9, Tambon Khaochetluk, Amphur Thapklor, Phichit Thailand 66230	Date Samples Received	May 21, 2026 01:00 PM
Email	yaowanud@akararesources.com	Issue Date	May 29, 2026 01:10 PM
Telephone	0-5661-4500	Quote number	Q261054
Facsimile	0-5661-4190	Project	CHATREE
		No. of samples received	20
		No. of samples analysed	20

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ALS Lot No. : 2640482
Client : Akara Resources Public Co., Ltd.
Project : CHATREE



Analytical Results

Client sample ID			MS6905678	MS6905679	MS69055994	MS69055997	MS69056081	MS69056082	MS69056647
Client sampling date / time			19-May-26	19-May-26	20-May-26	19-May-26	19-May-26	19-May-26	18-May-26
Compound	LOR	Unit	2640482-1	2640482-2	2640482-3	2640482-4	2640482-5	2640482-6	2640482-7
EA015: Total Dissolved Solids									
Total Dissolved solids	5	mg/L	282	368	1440	119	512	1676	448
EA065: Total Hardness									
Total Hardness	1	mg/L	152	176	201	44	367	131	297
ED037P: Alkalinity									
Bicarbonate Alkalinity	1	mg/L	106	96	319	66	8	152	162
Carbonate Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Hydroxide Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Phenolphthalein Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Total Alkalinity	1	mg/L	106	96	319	66	8	152	162
ED041G: Sulfate									
Sulfate	1.0	mg/L	63.4	95.0	989	8.4	323	1182	140
ED045G: Chloride Discrete analyzer									
Chloride	1.0	mg/L	4.7	<1.0	1.3	2.8	<1.0	2.6	1.8
ED093F: Dissolved Major Cations (GW & SW Dissolved)									
Calcium	0.10	mg/L	30.0	43.3	607	13.4	77.7	275	92.5
Magnesium	0.10	mg/L	18.7	16.5	90.2	2.61	42.2	121	16.0
Potassium	0.10	mg/L	0.34	0.82	5.32	0.77	2.12	3.18	3.27
Sodium	0.10	mg/L	16.0	15.8	48.0	15.4	17.3	189	11.7
EG020F: Dissolved Metals by ICP-MS (GW-Dissolved)									
Arsenic	0.001	mg/L	0.001	<0.001	0.007	<0.001	<0.001	0.002	<0.001
Cobalt	0.001	mg/L	<0.001	0.010	<0.001	<0.001	<0.001	0.003	<0.001
Copper	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Iron	0.05	mg/L	0.22	3.05	<0.05	<0.05	<0.05	0.05	<0.05
Lead	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	0.001	mg/L	0.38	0.75	1.33	0.10	0.11	2.09	0.72
EG035F: Dissolved Mercury by CVAFS (GW-Dissolved)									
Mercury	0.0001	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
EK025G: Cyanide Discrete analyzer									
Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
EK025G-1: Cyanide WAD Discrete analyzer									
Weak Acid Dissociable Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
EN005S: Ionic Balance									
Ionic Balance	----	%	3.17	3.53	22.18	1.33	6.71	9.07	5.56
Total Anions	0.01	mEq/L	3.17	3.53	25.43	1.33	6.71	26.66	5.56
Total Cations	0.01	mEq/L	0.00	0.00	39.92	0.00	0.00	31.98	0.00
EN0104: Turbidity									
Turbidity	0.1	NTU	24	70	21	2.1	5.8	3.9	4.4

Senior Manager



Analytical Results

Client sample ID			MS69056648	MS69056651	MS69056652	MS69056653	MS69056654	MS69056655	MS69056656
Client sampling date / time			18-May-26	18-May-26	18-May-26	18-May-26	18-May-26	18-May-26	18-May-26
Compound	LOR	Unit	2640482-8	2640482-9	2640482-10	2640482-11	2640482-12	2640482-13	2640482-14
EA015: Total Dissolved Solids									
Total Dissolved Solids	5	mg/L	282	472	516	1204	248	133	290
EA065: Total Hardness									
Total Hardness	1	mg/L	179	379	416	94	99	69	150
ED037P: Alkalinity									
Bicarbonate Alkalinity	1	mg/L	167	197	278	324	71	86	132
Carbonate Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Hydroxide Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Phenolphthalein Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Total Alkalinity	1	mg/L	167	197	278	324	71	86	132
ED041G: Sulfate									
Sulfate	1.0	mg/L	68.7	167	95.3	556	78.3	18.5	23.7
ED045G: Chloride Discrete analyzer									
Chloride	1.0	mg/L	1.4	1.0	1.2	7.4	2.3	4.2	3.5
ED093F: Dissolved Major Cations (GW & SW Dissolved)									
Calcium	0.10	mg/L	53.8	108	118	180	9.09	20.9	47.7
Magnesium	0.10	mg/L	10.9	26.6	29.2	110	18.5	4.11	7.44
Potassium	0.10	mg/L	2.32	4.98	3.77	16.8	4.24	1.80	2.14
Sodium	0.10	mg/L	10.3	11.7	12.4	8.72	27.9	17.5	12.9
EG020F: Dissolved Metals by ICP-MS (GW-Dissolved)									
Arsenic	0.001	mg/L	<0.001	0.001	0.003	0.003	0.002	0.002	0.003
Cobalt	0.001	mg/L	0.002	<0.001	<0.001	<0.001	0.01	0.004	<0.001
Copper	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Iron	0.05	mg/L	<0.05	<0.05	<0.05	0.51	<0.05	<0.05	<0.05
Lead	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	0.001	mg/L	0.57	0.98	2.11	4.76	1.17	0.76	0.45
EG035F: Dissolved Mercury by CVAFS (GW-Dissolved)									
Mercury	0.0001	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
EK025G: Cyanide Discrete analyzer									
Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
EK025G-1: Cyanide WAD Discrete analyzer									
Weak Acid Dissociable Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
EN0055: Ionic Balance									
Ionic Balance	----	%	4.18	6.68	6.54	5.65	2.82	1.91	2.74
Total Anions	0.01	mEq/L	4.18	6.68	6.54	16.85	2.82	1.91	2.74
Total Cations	0.01	mEq/L	0.00	0.00	0.00	18.87	0.00	0.00	0.00
EN0104: Turbidity									
Turbidity	0.1	NTU	90	0.60	17	50	22	2.6	1.3

Senior Manager



Analytical Results

Client sample ID			MS69056864	MS69056860	MS69056863	MS69056859	MS69056856	MS69056855	----
Client sampling date / time			19-May-26	19-May-26	19-May-26	19-May-26	19-May-26	19-May-26	----
Compound	LOR	Unit	2640482-17	2640482-18	2640482-19	2640482-20	2640482-21	2640482-22	----
EA015: Total Dissolved Solids									
Total Dissolved Solids	5	mg/L	360	378	428	440	748	378	----
EA065: Total Hardness									
Total Hardness	1	mg/L	271	260	323	181	477	223	----
ED037P: Alkalinity									
Bicarbonate Alkalinity	1	mg/L	278	268	349	213	420	172	----
Carbonate Alkalinity	1	mg/L	20.00	20.00	20.00	20.00	20.00	<1	----
Hydroxide Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	----
Phenolphthalein Alkalinity	1	mg/L	10	10	10	10	10	<1	----
Total Alkalinity	1	mg/L	299	288	369	233	440	172	----
ED041G: Sulfate									
Sulfate	1.0	mg/L	5.1	4.2	53.0	120	182	69.1	----
ED045G: Chloride Discrete analyzer									
Chloride	1.0	mg/L	1.7	5.0	<1.0	8.8	<1.0	4.4	----
ED093F: Dissolved Major Cations (GW & SW Dissolved)									
Calcium	0.10	mg/L	80.5	77.6	90.3	50.5	117	67.9	----
Magnesium	0.10	mg/L	17.1	16.2	23.7	13.3	44.9	13.1	----
Potassium	0.10	mg/L	0.60	0.84	0.81	1.35	0.34	1.27	----
Sodium	0.10	mg/L	28.2	44.4	82.3	105	111	24.5	----
EG020F: Dissolved Metals by ICP-MS (GW-Dissolved)									
Arsenic	0.001	mg/L	0.005	0.003	0.005	0.01	<0.001	0.01	----
Cobalt	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	0.004	----
Copper	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	----
Iron	0.05	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	----
Lead	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	----
Manganese	0.001	mg/L	0.57	0.30	0.23	0.13	0.16	4.39	----
EG035F: Dissolved Mercury by CVAFS (GW-Dissolved)									
Mercury	0.0001	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	----
EK025G: Cyanide Discrete analyzer									
Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	----
EK025G-1: Cyanide WAD Discrete analyzer									
Weak Acid Dissociable Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	----
EN0055: Ionic Balance									
Ionic Balance	----	%	4.71	4.62	6.82	6.17	10.60	4.35	----
Total Anions	0.01	mEq/L	4.71	4.62	6.82	6.17	10.60	4.35	----
Total Cations	0.01	mEq/L	0.00	0.00	0.00	0.00	0.00	0.00	----
EN0104: Turbidity									
Turbidity	0.1	NTU	2.1	17	2.2	3.0	0.70	45	----

Senior Manager

CERTIFICATE OF ANALYSIS

Client	Akara Resources Public Co., Ltd.	ALS Lot No.	2640483
Contact Address	Yaowanud Chandung 99 Moo 9, Tambon Khaochetluk, Amphur Thapklor, Phichit Thailand 66230	Date Samples Received	May 22, 2026 12:00 PM
Email	yaowanud@akararesources.com	Issue Date	Jun 02, 2026 11:23 AM
Telephone	0-5661-4500	Quote number	Q261054
Facsimile	0-5661-4190	Project	CHATREE
		No. of samples received	30
		No. of samples analysed	30

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. All pages of this report have been checked and approved for release.

General Comments

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or client request.

When sampling time information is not provided by client, sampling dates are shown without a time component. In this instances, the time component has been assumed by the laboratory for processing purposes.

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

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Page : 1 of 6

ALS Lot No. : 2640483
Client : Akara Resources Public Co., Ltd.
Project : CHATREE



Analytical Results

Client sample ID			MS69055991	MS69055992	TSF6905663	TSF6905699	TSF69051991	TSF69051992	TSF69055350
Client sampling date / time			20-May-26	20-May-26	20-May-26	20-May-26	20-May-26	20-May-26	20-May-26
Compound	LOR	Unit	2640483-1	2640483-2	2640483-3	2640483-4	2640483-5	2640483-6	2640483-7
EA015: Total Dissolved Solids									
Total Dissolved solids	5	mg/L	89	302	892	1100	784	664	984
EA065: Total Hardness									
Total Hardness	1	mg/L	45	254	870	1413	715	573	878
ED037P: Alkalinity									
Bicarbonate Alkalinity	1	mg/L	23	228	324	339	430	511	288
Carbonate Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Hydroxide Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Phenolphthalein Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Total Alkalinity	1	mg/L	23	228	324	339	430	511	288
ED041G: Sulfate									
Sulfate	1.0	mg/L	7.7	5.1	405	832	234	126	577
ED045G: Chloride Discrete analyzer									
Chloride	1.0	mg/L	3.0	2.6	20.0	15.7	4.7	3.1	8.5
ED093F: Dissolved Major Cations (GW & SW Dissolved)									
Calcium	0.10	mg/L	16.3	93.8	282	298	202	152	216
Magnesium	0.10	mg/L	1.26	5.08	40.5	160	51.9	62.7	88.9
Potassium	0.10	mg/L	0.29	0.26	2.17	0.78	0.31	2.26	2.55
Sodium	0.10	mg/L	8.42	10.2	34.1	65.8	31.4	83.5	69.1
EG020F: Dissolved Metals by ICP-MS (GW-Dissolved)									
Arsenic	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	0.003	0.005	0.005
Cobalt	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.003
Copper	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Iron	0.05	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Lead	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	0.001	mg/L	0.17	0.74	1.67	0.002	0.54	0.25	1.50
EG035F: Dissolved Mercury by CVAFS (GW-Dissolved)									
Mercury	0.0001	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
EK025G: Cyanide Discrete analyzer									
Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
EK025G-1: Cyanide WAD Discrete analyzer									
Weak Acid Dissociable Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
EN005S: Ionic Balance									
Ionic Balance	----	%	0.68	17.38	14.62	14.81	13.64	19.66	11.67
Total Anions	0.01	mEq/L	0.61	3.91	14.12	22.96	11.96	11.03	16.74
Total Cations	0.01	mEq/L	1.29	5.55	18.96	30.94	15.73	16.42	21.16
EN0104: Turbidity									
Turbidity	0.1	NTU	19	22	5.0	6.3	1.3	1.3	50



Analytical Results

Client sample ID Client sampling date / time			TSF69055351	TSF69055249	TSF69055534	TSF69055332	TSF69055336	TSF69056691	TSF69055338
			20-May-26	20-May-26	20-May-26	20-May-26	20-May-26	20-May-26	20-May-26
Compound	LOR	Unit	2640483-8	2640483-9	2640483-10	2640483-11	2640483-12	2640483-13	2640483-14
EA015: Total Dissolved Solids									
Total Dissolved solids	5	mg/L	1585	445	452	720	776	488	436
EA065: Total Hardness									
Total Hardness	1	mg/L	1553	360	350	589	607	344	292
ED037P: Alkalinity									
Bicarbonate Alkalinity	1	mg/L	86	288	283	91	228	253	187
Carbonate Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Hydroxide Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Phenolphthalein Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Total Alkalinity	1	mg/L	86	288	283	91	228	253	187
ED041G: Sulfate									
Sulfate	1.0	mg/L	1221	37.2	26.8	417	236	93.7	116
ED045G: Chloride Discrete analyzer									
Chloride	1.0	mg/L	4.7	5.7	5.0	4.5	3.5	1.6	<1.0
ED093F: Dissolved Major Cations (GW & SW Dissolved)									
Calcium	0.10	mg/L	307	133	129	141	191	113	95.0
Magnesium	0.10	mg/L	190	7.18	7.33	59.3	29.2	15.7	13.7
Potassium	0.10	mg/L	3.66	0.69	0.70	0.69	0.94	1.44	1.39
Sodium	0.10	mg/L	45.1	13.0	13.2	32.3	30.2	24.0	21.2
EG020F: Dissolved Metals by ICP-MS (GW-Dissolved)									
Arsenic	0.001	mg/L	<0.001	0.003	0.003	0.002	0.006	0.07	0.01
Cobalt	0.001	mg/L	0.005	<0.001	<0.001	0.005	<0.001	<0.001	<0.001
Copper	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Iron	0.05	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Lead	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	0.001	mg/L	1.65	0.75	0.08	1.01	0.05	1.21	1.16
EG035F: Dissolved Mercury by CVAFS (GW-Dissolved)									
Mercury	0.0001	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
EK025G: Cyanide Discrete analyzer									
Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
EK025G-1: Cyanide WAD Discrete analyzer									
Weak Acid Dissociable Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
EN0055: Ionic Balance									
Ionic Balance	----	%	11.07	16.09	17.69	13.71	21.11	13.49	11.27
Total Anions	0.01	mEq/L	26.45	5.64	5.33	10.12	8.64	6.10	5.44
Total Cations	0.01	mEq/L	33.03	7.81	7.62	13.34	13.26	8.01	6.83
EN0104: Turbidity									
Turbidity	0.1	NTU	110	5.6	4.6	75	0.90	110	85



Analytical Results

Client sample ID Client sampling date / time			TSF69055339	TSF69056467	TSF69056468	TSF69056472	TSF69056473	TSF69056655	TSF69056656
			20-May-26	20-May-26	20-May-26	20-May-26	20-May-26	20-May-26	20-May-26
Compound	LOR	Unit	2640483-15	2640483-16	2640483-17	2640483-18	2640483-19	2640483-20	2640483-21
EA015: Total Dissolved Solids									
Total Dissolved solids	5	mg/L	248	752	2635	365	1735	115	30
EA065: Total Hardness									
Total Hardness	1	mg/L	150	743	1517	286	1844	69	8
ED037P: Alkalinity									
Bicarbonate Alkalinity	1	mg/L	66	334	56	233	13	71	10
Carbonate Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Hydroxide Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Phenolphthalein Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Total Alkalinity	1	mg/L	66	334	56	233	13	71	10
ED041G: Sulfate									
Sulfate	1.0	mg/L	93.8	309	1709	57.2	1308	11.1	3.7
ED045G: Chloride Discrete analyzer									
Chloride	1.0	mg/L	<1.0	1.2	48.6	2.2	10.5	<1.0	2.3
ED093F: Dissolved Major Cations (GW & SW Dissolved)									
Calcium	0.10	mg/L	43.4	245	388	91.1	411	20.4	2.48
Magnesium	0.10	mg/L	10.1	32.5	133	14.1	199	4.31	0.35
Potassium	0.10	mg/L	3.40	1.84	19.9	0.97	1.64	1.58	0.30
Sodium	0.10	mg/L	16.8	29.2	361	20.6	72.3	7.48	7.38
EG020F: Dissolved Metals by ICP-MS (GW-Dissolved)									
Arsenic	0.001	mg/L	0.002	0.002	<0.001	0.005	<0.001	0.002	<0.001
Cobalt	0.001	mg/L	0.004	<0.001	0.07	0.001	<0.001	0.004	<0.001
Copper	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Iron	0.05	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Lead	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	0.001	mg/L	0.63	1.33	13.1	0.45	0.43	0.52	0.06
EG035F: Dissolved Mercury by CVAFS (GW-Dissolved)									
Mercury	0.0001	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
EK025G: Cyanide Discrete analyzer									
Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
EK025G-1: Cyanide WAD Discrete analyzer									
Weak Acid Dissociable Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
EN0055: Ionic Balance									
Ionic Balance	----	%	12.19	15.67	11.26	13.59	19.16	0.34	0.17
Total Anions	0.01	mEq/L	2.99	11.81	37.13	5.04	27.18	1.40	0.31
Total Cations	0.01	mEq/L	3.82	16.20	46.55	6.63	40.06	1.74	0.48
EN0104: Turbidity									
Turbidity	0.1	NTU	55	1.4	0.80	25	7.8	26	1.0



Analytical Results

Client sample ID Client sampling date / time			TSF69056657	TSF69056658	TSF69056659	TSF69056660	TSF69056661	TSF69056662	TSF69056663
			20-May-26	20-May-26	20-May-26	20-May-26	20-May-26	20-May-26	20-May-26
Compound	LOR	Unit	2640483-22	2640483-23	2640483-24	2640483-25	2640483-26	2640483-27	2640483-28
EA015: Total Dissolved Solids									
Total Dissolved solids	5	mg/L	470	736	440	365	368	140	162
EA065: Total Hardness									
Total Hardness	1	mg/L	265	687	333	245	254	29	121
ED037P: Alkalinity									
Bicarbonate Alkalinity	1	mg/L	223	15	283	213	263	111	111
Carbonate Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	20.00
Hydroxide Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	<1
Phenolphthalein Alkalinity	1	mg/L	<1	<1	<1	<1	<1	<1	10
Total Alkalinity	1	mg/L	223	15	283	213	263	111	132
ED041G: Sulfate									
Sulfate	1.0	mg/L	32.0	505	77.1	29.1	4.6	5.2	4.0
ED045G: Chloride Discrete analyzer									
Chloride	1.0	mg/L	1.4	7.1	2.5	2.1	5.6	4.2	4.1
ED093F: Dissolved Major Cations (GW & SW Dissolved)									
Calcium	0.10	mg/L	90.3	184	109	84.6	88.2	9.45	37.9
Magnesium	0.10	mg/L	9.48	47.5	15.0	8.30	8.13	1.28	6.41
Potassium	0.10	mg/L	2.56	6.60	1.02	0.80	0.61	0.85	1.73
Sodium	0.10	mg/L	15.8	36.8	38.5	17.8	22.2	45.8	13.3
EG020F: Dissolved Metals by ICP-MS (GW-Dissolved)									
Arsenic	0.001	mg/L	<0.001	<0.001	0.006	0.003	0.008	<0.001	<0.001
Cobalt	0.001	mg/L	0.002	0.03	<0.001	<0.001	<0.001	<0.001	0.001
Copper	0.001	mg/L	<0.001	0.009	<0.001	<0.001	<0.001	<0.001	<0.001
Iron	0.05	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Lead	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	0.001	mg/L	1.68	3.92	0.17	0.26	0.34	0.15	0.37
EG035F: Dissolved Mercury by CVAFS (GW-Dissolved)									
Mercury	0.0001	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
EK025G: Cyanide Discrete analyzer									
Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
EK025G-1: Cyanide WAD Discrete analyzer									
Weak Acid Dissociable Cyanide	0.002	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
EN0055: Ionic Balance									
Ionic Balance	----	%	16.37	16.11	14.16	15.89	14.02	0.55	20.15
Total Anions	0.01	mEq/L	4.34	10.75	6.29	4.14	4.56	2.05	2.02
Total Cations	0.01	mEq/L	6.04	14.88	8.36	5.70	6.05	2.59	3.04
EN0104: Turbidity									
Turbidity	0.1	NTU	1.9	2.7	2.3	0.55	7.0	5.0	15

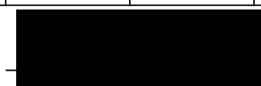


Senior Manager



Analytical Results

Client sample ID Client sampling date / time			TSF69056664	6905DC2					
			20-May-26	21-May-26					
Compound	LOR	Unit	2640483-29	2640483-30					
EA015: Total Dissolved Solids									
Total Dissolved solids	5	mg/L	255	----	----	----	----	----	----
EA065: Total Hardness									
Total Hardness	1	mg/L	129	----	----	----	----	----	----
ED037P: Alkalinity									
Bicarbonate Alkalinity	1	mg/L	121	----	----	----	----	----	----
Carbonate Alkalinity	1	mg/L	20.00	----	----	----	----	----	----
Hydroxide Alkalinity	1	mg/L	<1	----	----	----	----	----	----
Phenolphthalein Alkalinity	1	mg/L	10	----	----	----	----	----	----
Total Alkalinity	1	mg/L	142	----	----	----	----	----	----
ED041G: Sulfate									
Sulfate	1.0	mg/L	5.1	----	----	----	----	----	----
ED045G: Chloride Discrete analyzer									
Chloride	1.0	mg/L	<1.0	----	----	----	----	----	----
ED093F: Dissolved Major Cations (GW & SW Dissolved)									
Calcium	0.10	mg/L	38.5	----	----	----	----	----	----
Magnesium	0.10	mg/L	8.01	----	----	----	----	----	----
Potassium	0.10	mg/L	2.03	----	----	----	----	----	----
Sodium	0.10	mg/L	13.7	----	----	----	----	----	----
EG020F: Dissolved Metals by ICP-MS (GW-Dissolved)									
Arsenic	0.001	mg/L	<0.001	----	----	----	----	----	----
Cobalt	0.001	mg/L	0.003	----	----	----	----	----	----
Copper	0.001	mg/L	<0.001	----	----	----	----	----	----
Iron	0.05	mg/L	<0.05	----	----	----	----	----	----
Lead	0.001	mg/L	<0.001	----	----	----	----	----	----
Manganese	0.001	mg/L	0.47	----	----	----	----	----	----
EG035F: Dissolved Mercury by CVAFS (GW-Dissolved)									
Mercury	0.0001	mg/L	<0.0001	----	----	----	----	----	----
EK025G: Cyanide Discrete analyzer									
Cyanide	0.002	mg/L	<0.002	1.293	----	----	----	----	----
EK025G-1: Cyanide WAD Discrete analyzer									
Weak Acid Dissociable Cyanide	0.002	mg/L	<0.002	1.282	----	----	----	----	----
EN0055: Ionic Balance									
Ionic Balance	----	%	21.26	----	----	----	----	----	----
Total Anions	0.01	mEq/L	2.09	----	----	----	----	----	----
Total Cations	0.01	mEq/L	3.23	----	----	----	----	----	----
EN0104: Turbidity									
Turbidity	0.1	NTU	23	----	----	----	----	----	----



Senior Manager



Analysis / Test Report

TESTING
No.0009

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230
P/O :
Project Name : Water Project
Project Location : CHATREE

Lot ID: 2620475
Date Received :Mar 06, 2026
Date Reported :Mar 14, 2026
Report Number :3521935-1

Page 1 of 1

Sample Number 2620475-1
Sampled Date Mar 05, 2026 4:00 PM
Sample Description Wastewater
Location 6903DC2
Date Analysis Commenced Mar 07, 2026
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
Cyanide as CN	mg/L	0.002	0.005	2.598	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 - CN (C, E)	Bangkok
Weak Acid Dissociable Cyanide *	mg/L	0.002	0.005	2.548	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-CN (I)	Bangkok

Remark :
- 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

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Analysis / Test Report

TESTING
No.0009

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230
P/O :
Project Name : Water Project 2025
Project Location : CHATREE

Lot ID: 262558
Date Received :Jan 09, 2026
Date Reported :Jan 17, 2026
Report Number :3485817-1

Page 1 of 1

Sample Number 262558-1
Sampled Date Jan 08, 2026 2:00 PM
Sample Description Waste water
Location 6901DC2
Date Analysis Commenced Jan 10, 2026
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
Cyanide as CN	mg/L	0.002	0.005	0.124	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 - CN (C, E)	Bangkok
Weak Acid Dissociable Cyanide *	mg/L	0.002	0.005	0.124	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-CN (I)	Bangkok

Remark :
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Analysis / Test Report

TESTING
No.0009

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230
P/O : 1011362
Project Name : Water Project
Project Location : CHATREE

Lot ID: 2613555
Date Received : Feb 20, 2026
Date Reported : Mar 07, 2026
Report Number : 3506820-1

Page 1 of 8

Sample Number 2613555-1
Sample Date Feb 19, 2026 2:38 PM
Sample Description Wastewater
Location 6902SP
Date Analysis Commenced Feb 23, 2026
Condition of Sample Contained in two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Metals Testing						
Aluminium	mg/L	0.003	0.005	0.04	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F	Bangkok
Antimony	mg/L	0.0003	0.0005	Not Detected	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F	Bangkok
Arsenic	mg/L	0.0003	0.0005	0.004	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.02	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F	Bangkok
Boron	mg/L	0.003	0.005	1.13	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F	Bangkok
Calcium	mg/L	0.03	0.05	561	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Chromium	mg/L	0.0003	0.0005	Not Detected	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F	Bangkok
Cobalt	mg/L	0.0003	0.0005	0.007	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	<0.0005	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F	Bangkok
Iron	mg/L	0.003	0.005	7.65	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F	Bangkok
Lead	mg/L	0.0003	0.0005	<0.0005	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F	Bangkok

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Section Head

Approved by



Suwimon Chairuangwut
Scientist (3)

Analysis / Test Report

TESTING
No.0009

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230
P/O : 1011362
Project Name : Water Project
Project Location : CHATREE

Lot ID: 2654335
Date Received : Jun 24, 2026
Date Reported : Jul 01, 2026
Report Number : 3605400-1

Page 1 of 1

Sample Number 2654335-1
Sample Date Jun 23, 2026 4:00 PM
Sample Description Waste water
Location 6906DC2
Date Analysis Commenced Jun 25, 2026
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
Cyanide as CN	mg/L	0.002	0.005	0.598	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 - CN (C, E)	Bangkok
Weak Acid Dissociable Cyanide *	mg/L	0.002	0.005	0.590	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-CN (1)	Bangkok

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Suwimon Chairuangwut
Scientist (3)



Analysis / Test Report

TESTING
No.0009

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230
P/O : 1011362
Project Name : Water Project
Project Location : CHATREE

Lot ID: 2613555
Date Received :Feb 20, 2026
Date Reported :Mar 07, 2026
Report Number :3506820-1

Page 3 of 8

Sample Number	2613555-1
Sample Date	Feb 19, 2026 2:38 PM
Sample Description	Wastewater
Location	6902SP
Date Analysis Commenced	Feb 23, 2026
Condition of Sample	Contained in two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
Bicarbonate Alkalinity as CaCO ₃ *	mg/L	-	1	192	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2320 B	Bangkok
Carbonate Alkalinity as CaCO ₃ *	mg/L	-	1	<1	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2320 B	Bangkok
Carbonate Hardness as CaCO ₃ *	mg/L	-	1	192	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2320 B	Bangkok
Chloride *	mg/L	0.15	0.5	41.4	ISE Application	Bangkok
Cyanide as CN	mg/L	0.002	0.005	Not Detected	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500 - CN (C, E)	Bangkok
Hydroxide Alkalinity as CaCO ₃ *	mg/L	-	1	<1	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2320 B	Bangkok
Nitrate as N *	mg/L	0.06	0.2	Not Detected	Based on Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 E	Bangkok
Non-Carbonate Hardness as CaCO ₃ *	mg/L	-	1	1270	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2320 B	Bangkok
Phenolphthalein Alkalinity as CaCO ₃ *	mg/L	-	1	<1	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2320 B	Bangkok
Phosphate as P *	mg/L	0.005	0.01	0.01	Based on Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-P (E)	Bangkok
Residual Alkalinity *	mg/L	-	1	<1	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2320 B	Bangkok

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Analysis / Test Report

TESTING
No.0009

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230
P/O : 1011362
Project Name : Water Project
Project Location : CHATREE

Lot ID: 2613555
Date Received :Feb 20, 2026
Date Reported :Mar 07, 2026
Report Number :3506820-1

Page 2 of 8

Sample Number	2613555-1
Sample Date	Feb 19, 2026 2:38 PM
Sample Description	Wastewater
Location	6902SP
Date Analysis Commenced	Feb 23, 2026
Condition of Sample	Contained in two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Metals Testing						
Magnesium	mg/L	0.03	0.05	56.6	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Manganese	mg/L	0.0003	0.0005	5.34	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Mercury	mg/L	0.0001	0.0005	Not Detected	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3112	Bangkok
Molybdenum	mg/L	0.0003	0.0005	0.07	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Nickel	mg/L	0.0003	0.0005	0.0005	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Potassium	mg/L	0.03	0.05	39.8	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Silver	mg/L	0.0003	0.0005	Not Detected	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Sodium	mg/L	0.03	0.05	262	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Zinc	mg/L	0.003	0.005	0.006	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Water Testing						
Ammonia Nitrogen *	mg/L	-	0.06	8.92	Based on Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (B, F)	Bangkok

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Analysis / Test Report

TESTING
No.0009

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230
P/O : 1011362
Project Name : Water Project
Project Location : CHATREE

Lot ID: 2613555
Date Received : Feb 20, 2026
Date Reported : Mar 07, 2026
Report Number : 3506820-1

Page 5 of 8

Sample Number	2613555-2
Sampled Date	Feb 19, 2026 1:31 PM
Sample Description	Wastewater
Location	6902UD
Date Analysis Commenced	Feb 20, 2026
Condition of Sample	Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Metals Testing						
Aluminium	mg/L	0.003	0.005	0.27	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Antimony	mg/L	0.0003	0.0005	Not Detected	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Arsenic	mg/L	0.0003	0.0005	0.01	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.03	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Boron	mg/L	0.003	0.005	0.57	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	0.001	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Calcium	mg/L	0.03	0.05	668	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Chromium	mg/L	0.0003	0.0005	0.001	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Cobalt	mg/L	0.0003	0.0005	0.03	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.002	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Iron	mg/L	0.003	0.005	4.52	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Lead	mg/L	0.0003	0.0005	0.002	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok

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Analysis / Test Report

TESTING
No.0009

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230
P/O : 1011362
Project Name : Water Project
Project Location : CHATREE

Lot ID: 2613555
Date Received : Feb 20, 2026
Date Reported : Mar 07, 2026
Report Number : 3506820-1

Page 4 of 8

Sample Number	2613555-1
Sampled Date	Feb 19, 2026 2:38 PM
Sample Description	Wastewater
Location	6902SP
Date Analysis Commenced	Feb 23, 2026
Condition of Sample	Contained in two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
Sulfate *	mg/L	0.5	2	1223	Based on Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-504 (E)	Bangkok
Total Alkalinity as CaCO3 *	mg/L	-	1	192	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2320 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1992	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Hardness as CaCO3 *	mg/L	-	1	1462	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2340 C	Bangkok
Total Organic Carbon *	mg/L	0.03	0.1	1.02	Based on Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 5310 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	16	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok
Weak Acid Dissociable Cyanide *	mg/L	0.002	0.005	Not Detected	Based on Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-CN (I)	Bangkok

Sampling By : Thieraphol Sangthong

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

TESTING
No.0009

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230
P/O : 1011362
Project Name : Water Project
Project Location : CHATREE

Lot ID: 2613555
Date Received : Feb 20, 2026
Date Reported : Mar 07, 2026
Report Number : 3506820-1

Page: 7 of 8

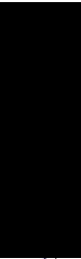
Sample Number	2613555-2
Sampled Date	Feb 19, 2026 1:31 PM
Sample Description	Wastewater
Location	6902UD
Date Analysis Commenced	Feb 20, 2026
Condition of Sample	Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
Bicarbonate Alkalinity as CaCO ₃ *	mg/L	-	1	157	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2320 B	Bangkok
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
Carbonate Alkalinity as CaCO ₃ *	mg/L	-	1	<1	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2320 B	Bangkok
Carbonate Hardness as CaCO ₃ *	mg/L	-	1	157	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2320 B	Bangkok
Chloride *	mg/L	0.15	0.5	50.3	ISE Application	Bangkok
COD	mg/L	-	25	<25	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Bangkok
Cyanide as CN	mg/L	0.002	0.005	0.085	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500 - CN (C, E)	Bangkok
Hydroxide Alkalinity as CaCO ₃ *	mg/L	-	1	<1	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2320 B	Bangkok
Nitrate as N *	mg/L	0.06	0.2	Not Detected	Based on Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 E	Bangkok
Non-Carbonate Hardness as CaCO ₃ *	mg/L	-	1	1496	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2320 B	Bangkok
Phenolphthalein Alkalinity as CaCO ₃ *	mg/L	-	1	<1	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2320 B	Bangkok
Phosphate as P *	mg/L	0.005	0.01	Not Detected	Based on Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-P (E)	Bangkok

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Analysis / Test Report

TESTING
No.0009

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230
P/O : 1011362
Project Name : Water Project
Project Location : CHATREE

Lot ID: 2613555
Date Received : Feb 20, 2026
Date Reported : Mar 07, 2026
Report Number : 3506820-1

Page: 6 of 8

Sample Number	2613555-2
Sampled Date	Feb 19, 2026 1:31 PM
Sample Description	Wastewater
Location	6902UD
Date Analysis Commenced	Feb 20, 2026
Condition of Sample	Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Metals Testing						
Magnesium	mg/L	0.03	0.05	65.6	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Manganese	mg/L	0.0003	0.0005	8.71	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Mercury	mg/L	0.0001	0.0005	Not Detected	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3112	Bangkok
Molybdenum	mg/L	0.0003	0.0005	0.22	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Nickel	mg/L	0.0003	0.0005	0.001	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Potassium	mg/L	0.03	0.05	42.8	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Silver	mg/L	0.0003	0.0005	Not Detected	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Sodium	mg/L	0.03	0.05	396	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Zinc	mg/L	0.003	0.005	0.03	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Water Testing						
Ammonia Nitrogen *	mg/L	-	0.06	9.43	Based on Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (B, F)	Bangkok

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Chanattagarn Imchom
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Analysis / Test Report

TESTING
No.0009

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230
P/O : 1011362
Project Name : Water Project
Project Location : CHATREE

Lot ID: 2640484
Date Received : May 22, 2026
Date Reported : Jun 05, 2026
Report Number : 3570391-1

Page 1 of 8

Sample Number	2640484-1
Sample Date	May 21, 2026 1:13 PM
Sample Description	Wastewater
Location	6905UD
Date Analysis Commenced	May 22, 2026
Condition of Sample	Contained in two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOQ (LOR)	Result	Method	Testing Location
Metals Testing					
Aluminium	mg/L	0.003	0.10	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Antimony	mg/L	0.0003	Not Detected	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Arsenic	mg/L	0.0003	0.0007	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Barium	mg/L	0.0003	0.04	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Boron	mg/L	0.003	0.24	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Cadmium	mg/L	0.0003	0.009	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Calcium	mg/L	0.03	483	In-house method : STM 05-014 based on United States Environmental Protection Agency , 1994, EPA Method 200.7	Bangkok
Chromium	mg/L	0.0003	Not Detected	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Cobalt	mg/L	0.0003	0.02	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Copper	mg/L	0.0003	0.002	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Iron	mg/L	0.003	0.20	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Lead	mg/L	0.0003	Not Detected	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok

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Analysis / Test Report

TESTING
No.0009

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230
P/O : 1011362
Project Name : Water Project
Project Location : CHATREE

Lot ID: 2613555
Date Received : Feb 20, 2026
Date Reported : Mar 07, 2026
Report Number : 3506820-1

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Sample Number	2613555-2
Sample Date	Feb 19, 2026 1:31 PM
Sample Description	Wastewater
Location	6902UD
Date Analysis Commenced	Feb 20, 2026
Condition of Sample	Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOQ (LOR)	Result	Method	Testing Location
Water Testing					
Residual Alkalinity *	mg/L	1	<1	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2320 B	Bangkok
Sulfate *	mg/L	0.5	1425	Based on Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-SO4 (E)	Bangkok
Total Alkalinity as CaCO3 *	mg/L	1	157	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2320 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	5	3344	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Hardness as CaCO3 *	mg/L	1	1653	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2340 C	Bangkok
Total Organic Carbon *	mg/L	0.03	1.49	Based on Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 5310 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	5	33	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok
Weak Acid Dissociable Cyanide *	mg/L	0.002	0.085	Based on Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-CN (1)	Bangkok

Sampling By : Theeraphol Sangthong

Remark :
- LOD : Limit of Detection
- <LOD : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) perished * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

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Analysis / Test Report

TESTING
No.0009

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230
P/O : 1011362
Project Name : Water Project
Project Location : CHATREE

Lot ID: 2640484
Date Received : May 22, 2026
Date Reported : Jun 05, 2026
Report Number : 3570391-1

Page 3 of 8

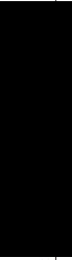
Sample Number	2640484-1
Sample Date	May 21, 2026 1:13 PM
Sample Description	Wastewater
Location	6905UD
Date Analysis Commenced	May 22, 2026
Condition of Sample	Contained in two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
Bicarbonate Alkalinity as CaCO ₃ *	mg/L	-	1	111	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2320 B	Bangkok
BOD (5 days at 20 degree C)	mg/L	-	2.0	2.0	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
Carbonate Alkalinity as CaCO ₃ *	mg/L	-	1	<1	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2320 B	Bangkok
Carbonate Hardness as CaCO ₃ *	mg/L	-	1	111	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2320 B	Bangkok
Chloride *	mg/L	0.15	0.5	46.9	ISE Application	Bangkok
COD	mg/L	-	25	<25	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Bangkok
Cyanide as CN	mg/L	0.002	0.005	Not Detected	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500 - CN (C, E)	Bangkok
Hydroxide Alkalinity as CaCO ₃ *	mg/L	-	1	<1	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2320 B	Bangkok
Nitrate as N *	mg/L	0.06	0.2	1.74	Based on Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 E	Bangkok
Non-Carbonate Hardness as CaCO ₃ *	mg/L	-	1	1339	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2320 B	Bangkok
Phenolphthalein Alkalinity as CaCO ₃ *	mg/L	-	1	<1	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2320 B	Bangkok
Phosphate as P *	mg/L	0.005	0.01	0.24	Based on Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-P (E)	Bangkok

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Analysis / Test Report

TESTING
No.0009

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230
P/O : 1011362
Project Name : Water Project
Project Location : CHATREE

Lot ID: 2640484
Date Received : May 22, 2026
Date Reported : Jun 05, 2026
Report Number : 3570391-1

Page 2 of 8

Sample Number	2640484-1
Sample Date	May 21, 2026 1:13 PM
Sample Description	Wastewater
Location	6905UD
Date Analysis Commenced	May 22, 2026
Condition of Sample	Contained in two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Metals Testing						
Magnesium	mg/L	0.03	0.05	81.8	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Manganese	mg/L	0.0003	0.0005	7.72	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Mercury	mg/L	0.0001	0.0005	Not Detected	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3112	Bangkok
Molybdenum	mg/L	0.0003	0.0005	0.01	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Nickel	mg/L	0.0003	0.0005	0.001	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Potassium	mg/L	0.03	0.05	36.5	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Silver	mg/L	0.0003	0.0005	Not Detected	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Sodium	mg/L	0.03	0.05	234	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Zinc	mg/L	0.003	0.005	<0.005	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Water Testing						
Ammonia Nitrogen *	mg/L	-	0.06	4.50	Based on Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (B, F)	Bangkok

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Analysis / Test Report

TESTING
No.0009

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230
P/O : 1011362
Project Name : Water Project
Project Location : CHATREE

Lot ID: 2640484
Date Received : May 22, 2026
Date Reported : Jun 05, 2026
Report Number : 3570391-1

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Sample Number	2640484-2
Sampled Date	May 21, 2026 1:48 PM
Sample Description	Wastewater
Location	6905UD2
Date Analysis Commenced	May 22, 2026
Condition of Sample	Contained in two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Metals Testing						
Aluminium	mg/L	0.003	0.005	0.19	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F	Bangkok
Antimony	mg/L	0.0003	0.0005	Not Detected	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F	Bangkok
Arsenic	mg/L	0.0003	0.0005	0.02	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.03	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F	Bangkok
Boron	mg/L	0.003	0.005	0.19	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	0.03	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F	Bangkok
Calcium	mg/L	0.03	0.05	581	In-house method : STM 05-014 based on United States Environmental Protection Agency , 1994, EPA Method 200.7	Bangkok
Chromium	mg/L	0.0003	0.0005	0.004	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F	Bangkok
Cobalt	mg/L	0.0003	0.0005	0.07	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.0010	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F	Bangkok
Iron	mg/L	0.003	0.005	2.35	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F	Bangkok
Lead	mg/L	0.0003	0.0005	<0.0005	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F	Bangkok

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Analysis / Test Report

TESTING
No.0009

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230
P/O : 1011362
Project Name : Water Project
Project Location : CHATREE

Lot ID: 2640484
Date Received : May 22, 2026
Date Reported : Jun 05, 2026
Report Number : 3570391-1

Page 4 of 8

Sample Number	2640484-1
Sampled Date	May 21, 2026 1:13 PM
Sample Description	Wastewater
Location	6905UD
Date Analysis Commenced	May 22, 2026
Condition of Sample	Contained in two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
Residual Alkalinity *	mg/L	-	1	<1	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2320 B	Bangkok
Sulfate *	mg/L	0.5	2	1573	Based on Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-SO4 (E)	Bangkok
Total Alkalinity as CaCO3 *	mg/L	-	1	111	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2320 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	2696	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Hardness as CaCO3 *	mg/L	-	1	1450	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2340 C	Bangkok
Total Organic Carbon *	mg/L	0.03	0.1	0.92	Based on Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 5310 B	Bangkok
Total Suspended Solids Dried from 103-105 degree C	mg/L	-	5	<5	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok
Weak Acid Dissociable Cyanide *	mg/L	0.002	0.005	Not Detected	Based on Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-CN (1)	Bangkok

Sampling By : Theeraphol Sangthong

Remark :
- LOD : Limit of Detection
- <LOD : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) perished * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

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Analysis / Test Report

TESTING
No.0009

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230
P/O : 1011362
Project Name : Water Project
Project Location : CHATREE

Lot ID: 2640484
Date Received : May 22, 2026
Date Reported : Jun 05, 2026
Report Number : 3570391-1

Page: 7 of 8

Sample Number	2640484-2
Sample Date	May 21, 2026 1:48 PM
Sample Description	Wastewater
Location	6905UD2
Date Analysis Commenced	May 22, 2026
Condition of Sample	Contained in two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
Bicarbonate Alkalinity as CaCO ₃ *	mg/L	-	1	56	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2320 B	Bangkok
BOD (5 days at 20 degree C)	mg/L	-	2.0	2.8	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
Carbonate Alkalinity as CaCO ₃ *	mg/L	-	1	<1	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2320 B	Bangkok
Carbonate Hardness as CaCO ₃ *	mg/L	-	1	56	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2320 B	Bangkok
Chloride *	mg/L	0.15	0.5	75.1	ISE Application	Bangkok
COD	mg/L	-	25	55	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Bangkok
Cyanide as CN	mg/L	0.002	0.005	2.946	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500 - CN (C, E)	Bangkok
Hydroxide Alkalinity as CaCO ₃ *	mg/L	-	1	<1	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2320 B	Bangkok
Nitrate as N *	mg/L	0.06	0.2	Not Detected	Based on Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 E	Bangkok
Non-Carbonate Hardness as CaCO ₃ *	mg/L	-	1	1379	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2320 B	Bangkok
Phenolphthalein Alkalinity as CaCO ₃ *	mg/L	-	1	<1	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2320 B	Bangkok
Phosphate as P *	mg/L	0.005	0.01	0.02	Based on Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-P (E)	Bangkok

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Analysis / Test Report

TESTING
No.0009

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230
P/O : 1011362
Project Name : Water Project
Project Location : CHATREE

Lot ID: 2640484
Date Received : May 22, 2026
Date Reported : Jun 05, 2026
Report Number : 3570391-1

Page: 6 of 8

Sample Number	2640484-2
Sample Date	May 21, 2026 1:48 PM
Sample Description	Wastewater
Location	6905UD2
Date Analysis Commenced	May 22, 2026
Condition of Sample	Contained in two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Metals Testing						
Magnesium	mg/L	0.03	0.05	15.0	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Manganese	mg/L	0.0003	0.0005	2.37	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Mercury	mg/L	0.0001	0.0005	Not Detected	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3112	Bangkok
Molybdenum	mg/L	0.0003	0.0005	2.49	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Nickel	mg/L	0.0003	0.0005	0.002	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Potassium	mg/L	0.03	0.05	115	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Silver	mg/L	0.0003	0.0005	Not Detected	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Sodium	mg/L	0.03	0.05	436	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Zinc	mg/L	0.003	0.005	0.05	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Water Testing						
Ammonia Nitrogen *	mg/L	-	0.06	25.0	Based on Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (B, F)	Bangkok

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Chanatt L.

Chanattagarn Imchom
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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.

99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230

P/O : 1011370

Project Name : Soil/Solid Wast.Plant, Fish, Food

Project Location :

Lot ID: 2640512

Date Received : May 22, 2026

Date Reported : May 27, 2026

Report Number : 3570672-1

Page 1 of 4

Sample Number	2640512-1
Sampled Date	May 21, 2026 8:35 AM
Sample Description	Tailing
Location	Spigot 5
Date Analysis Commenced	May 22, 2026
Condition of Sample	Contained in two glass bottles; sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Total Concentration Test (TTC) : Chemical						
Cyanide	mg/kg	-	0.2	2.7	United States Environmental Protection Agency, EPA Method 9013 and 9010 B	Bangkok

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

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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.

99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230

P/O : 1011362

Project Name : Water Project

Project Location : CHATREE

Lot ID: 2640484

Date Received : May 22, 2026

Date Reported : Jun 05, 2026

Report Number : 3570391-1

Page 8 of 8

Sample Number	2640484-2
Sampled Date	May 21, 2026 1:48 PM
Sample Description	Wastewater
Location	6905UD2
Date Analysis Commenced	May 22, 2026
Condition of Sample	Contained in two glass vials and six plastic bottles; sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
Residual Alkalinity *	mg/L	-	1	<1	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2320 B	Bangkok
Sulfate *	mg/L	0.5	2	1963	Based on Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-SO4 (E)	Bangkok
Total Alkalinity as CaCO3 *	mg/L	-	1	56	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2320 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	3160	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Hardness as CaCO3 *	mg/L	-	1	1434	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2340 C	Bangkok
Total Organic Carbon *	mg/L	0.03	0.1	11.5	Based on Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 5310 B	Bangkok
Total Suspended Solids Dried from 103-105 degree C	mg/L	-	5	13	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok
Weak Acid Dissociable Cyanide *	mg/L	0.002	0.005	2.853	Based on Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-CN (I)	Bangkok

Sampling By : Theeraphol Sangthong

Remark :
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- " $<$ " : 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

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MM-N08

Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230
P/O : 1011370
Project Name : Soil/Solid Wast.Plant, Fish, Food
Project Location :

Lot ID: 2640512
Date Received :May 22, 2026
Date Reported :May 27, 2026
Report Number :3570672-1

Page 3 of 4

Sample Number	2640512-3					
Sampled Date	May 21, 2026 9:45 AM					
Sample Description	Tailing					
Location	Spigot 46					
Date Analysis Commenced	May 22, 2026					
Condition of Sample	Contained in two glass bottles; sample containers comply to pretreatment - preservation standards (APHA, USEPA)					
Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Total Concentration Test (TTLC) : Chemical						
Cyanide	mg/kg	-	0.2	2.8	United States Environmental Protection Agency, EPA Method 9013 and 9010 B	Bangkok

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

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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230
P/O : 1011370
Project Name : Soil/Solid Wast.Plant, Fish, Food
Project Location :

Lot ID: 2640512
Date Received :May 22, 2026
Date Reported :May 27, 2026
Report Number :3570672-1

Page 2 of 4

Sample Number	2640512-2					
Sampled Date	May 21, 2026 9:00 AM					
Sample Description	Tailing					
Location	Spigot 21					
Date Analysis Commenced	May 22, 2026					
Condition of Sample	Contained in two glass bottles; sample containers comply to pretreatment - preservation standards (APHA, USEPA)					
Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Total Concentration Test (TTLC) : Chemical						
Cyanide	mg/kg	-	0.2	5.8	United States Environmental Protection Agency, EPA Method 9013 and 9010 B	Bangkok

Remark :
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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230
P/O : 1011370
Project Name : Soil/Solid Wast,Plant, Fish, Food
Project Location :

Lot ID: 2640512
Date Received : May 22, 2026
Date Reported : May 27, 2026
Report Number : 3570672-1

Page 4 of 4

Sample Number	2640512-4			
Sampled Date	May 21, 2026 10:25 AM			
Sample Description	Tailing			
Location	Spigot 39			
Date Analysis Commenced	May 22, 2026			
Condition of Sample	Contained in two glass bottles; sample containers comply to pretreatment - preservation standards (APHA, USEPA)			
Analyte	Unit	LOD	LOQ (LOR)	Result
Total Concentration Test (TTL) : Chemical				
Cyanide	mg/kg	-	0.2	3.4
				United States Environmental Protection Agency, EPA Method 9013 and 9010 B
				Bangkok

Remark :
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ISO/IEC 17025
Accreditation No. 10311/47

Client : Akara Resources Public Co., Ltd.

99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Phichit Thailand 66230

P/O : 1011298

Project Name : Soil/Solid Wast.Plant, Fish, Food

Project Location :

Lot ID: 2616454

Date Received :Feb 20, 2026

Date Reported :Feb 27, 2026

Report Number :3512864-1

Page 2 of 2

Sample Number	2616454-2
Sampled Date	Feb 18, 2026
Sample Description	ตัวอย่างดินปนน้ำ
Date Analysis Commenced	Feb 23, 2026
Condition of Sample	Packed in one plastic bag, refrigerated

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Metals Testing						
Arsenic	mg/kg	0.001	0.10	0.16	In-house method, STM No.05-040 based on AOAC (2023) 2011.19	Bangkok
Manganese	mg/kg	0.02	0.20	437	In-house method, STM No.05-040 based on AOAC (2023) 2011.19	Bangkok

Remark :

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ISO/IEC 17025
Accreditation No. 10311/47

Client : Akara Resources Public Co., Ltd.

99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Phichit Thailand 66230

P/O : 1011298

Project Name : Soil/Solid Wast.Plant, Fish, Food

Project Location :

Lot ID: 2616454

Date Received :Feb 20, 2026

Date Reported :Feb 27, 2026

Report Number :3512864-1

Page 1 of 2

Sample Number	2616454-1
Sampled Date	Feb 18, 2026
Sample Description	ตัวอย่างดิน
Date Analysis Commenced	Feb 23, 2026
Condition of Sample	Packed in one plastic bag, refrigerated

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Metals Testing						
Arsenic	mg/kg	0.006	0.10	0.11	In-house method, STM No.05-040 based on AOAC (2023) 2011.19	Bangkok
Manganese	mg/kg	0.02	0.20	60.3	In-house method, STM No.05-040 based on AOAC (2023) 2011.19	Bangkok

Remark :

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

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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
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P/O : 1011298
Project Name : Soil/Solid Wast.Plant, Fish, Food
Project Location :

Lot ID: 2616448
Date Received : Feb 20, 2026
Date Reported : Mar 02, 2026
Report Number :3512885-1

Page 1 of 1

Sample Number 2616448-1
Sampled Date Feb 18, 2026 1:00 PM
Sample Description ดินจากหลุมดิน
Date Analysis Commenced Feb 23, 2026
Condition of Sample Packed in one plastic bag, refrigerated

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Metals Testing						
Arsenic	mg/kg	-	0.50	3.50	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Manganese	mg/kg	-	1.00	504	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Physical Parameters						
Moisture	%	-	0.1	35.5	In-house method based on Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2540 G	Bangkok

Note : Analysis Results expressed on dry basis.

Remark :
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MM-N08

Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetuk, Amphur Thapklor, Pichit Thailand 66230
P/O : 1011814
Project Name : Air Test
Project Location :

Lot ID: 2612457
Date Received : Feb 26, 2026
Date Reported : Mar 02, 2026
Report Number: 3506022-1

Page 2 of 3

Sample Number	2612457-2				
Parameter	Heat Stress (Sampling Time : 09.30 AM - 11.30 PM)				
Measurement Date	Feb 19, 2026				
Measurement by	Trainonthon Tipwan				
Location	ปฏิบัติงาน 2 ชั้น (ห้องควบคุม อุณหภูมิห้อง : อุณหภูมิห้อง ควบคุม แยก : Gold Room)				
Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
Gold Room Plant 2 : ห้องควบคุม	60	28.6	25.1	36.8	36.8
Gold Room Plant 2 : ห้องปรับอากาศปฏิบัติงาน	60	18.9	16.5	24.5	23.4
Average (WBGT)		23.8			
Guideline WBGT (°C)		34.0			

Reference Method : Wet Bulb Globe Temperature

Guideline:

1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Ministerial Regulation on Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environment in relation to Heat, Light and Noise, B.E. 2559

Technical Management

Approved by

Section Head

Assistant Manager

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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetuk, Amphur Thapklor, Pichit Thailand 66230
P/O : 1011814
Project Name : Air Test
Project Location :

Lot ID: 2612457
Date Received : Feb 26, 2026
Date Reported : Mar 02, 2026
Report Number: 3506022-1

Page 1 of 3

Sample Number	2612457-1				
Parameter	Heat Stress (Sampling Time : 09.45 AM - 11.45 PM)				
Measurement Date	Feb 19, 2026				
Measurement by	Trainonthon Tipwan				
Location	ปฏิบัติงาน 2 ชั้นที่ (ห้องควบคุมอุณหภูมิห้อง : Gold Room)				
Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
Gold Room Plant 1 : ห้องควบคุม	60	34.8	27.7	51.5	42.8
Gold Room Plant 1 : ห้องปรับอากาศทำงาน	60	18.8	17.2	22.4	22.1
Average (WBGT)		26.8			
Guideline WBGT (°C)		34.0			

Reference Method : Wet Bulb Globe Temperature

Guideline:

1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Ministerial Regulation on Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environment in relation to Heat, Light and Noise, B.E. 2559

Technical Management

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Assistant Manager

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Analysis / Test Report

Lot ID: 2631010

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetluk, Amphur Thapklor, Pichit Thailand 66230
P/O : 1011814
Project Name : Air Test
Report Number: 3593912-1

Page 1 of 3

Sample Number	2631010-1
Parameter	Heat Stress (Sampling Time : 01.20 PM - 03.20 PM)
Measurement Date	Apr 29, 2026
Measurement by	Wasan Treerakul
Location	ปฏิบัติงาน 1 พื้นที่ (ดำเนินการทดสอบแบบ : Mining)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
Mining Area (ROM)	120	38.4	35.7	45.8	42.1
Average (WBGT)		38.4			
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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Assistant Manager

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Analysis / Test Report

Lot ID: 2612457

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetluk, Amphur Thapklor, Pichit Thailand 66230
P/O : 1011814
Project Name : Air Test
Report Number: 3506022-1

Page 3 of 3

Sample Number	2612457-3
Parameter	Heat Stress (Sampling Time : 03.00 PM - 05.00 PM)
Measurement Date	Feb 19, 2026
Measurement by	Trainonthon Tipwan
Location	ปฏิบัติงาน 2 พื้นที่ (ดำเนินการทดสอบแบบ : Lab Assay)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
Lab Assay Room 1	60	33.8	28.0	47.2	44.5
Lab Assay Room 1 : พื้นที่สำนักงาน	60	28.8	25.0	37.6	37.3
Average (WBGT)		31.3			
Guideline WBGT (°C)		34.0			

Reference Method : Wet Bulb Globe Temperature

Guideline:

1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Ministerial Regulation on Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environment in relation to Heat, Light and Noise, B.E.2559

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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.

99 Moo 9, Tambon Khaochetluk, Amphur Thaplor, Pichit Thailand 66230

P/O : 1011814

Project Name : Air Test

Project Location :

Lot ID: 2631010

Date Received : Apr 30, 2026

Date Reported : Jun 11, 2026

Report Number: 3593912-1

Page 3 of 3

Sample Number	2631010-3					
Parameter	Heat Stress (Sampling Time : 02.00 PM - 04.00 PM)					
Measurement Date	Apr 29, 2026					
Measurement by	Wasan Treerakul					
Location	ปฏิบัติงาน 2 ชั่วโมง (ดำเนินการสุ่มเก็บข้อมูลแบบ : Process)					
Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)	
Process Area Top Tank CIL/CIP Plant 2	60	36.5	33.4	44.4	42.4	
CIL Room Plant 2 Control Room	60	20.7	18.1	26.9	26.4	
Average (WBGT)		28.6				
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

Note:

This Analysis test Report is reissued to supersede Report No. 3547868-1, Date Reported : May 05, 2026 due to the revision of sample information from Process Area,Control Room

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Approved by

Assistant Manager

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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.

99 Moo 9, Tambon Khaochetluk, Amphur Thaplor, Pichit Thailand 66230

P/O : 1011814

Project Name : Air Test

Project Location :

Lot ID: 2631010

Date Received : Apr 30, 2026

Date Reported : Jun 11, 2026

Report Number: 3593912-1

Page 2 of 3

Sample Number	2631010-2					
Parameter	Heat Stress (Sampling Time : 01.30 PM - 03.30 PM)					
Measurement Date	Apr 29, 2026					
Measurement by	Wasan Treerakul					
Location	ปฏิบัติงาน 1 ชั่วโมง (ดำเนินการสุ่มเก็บข้อมูลแบบ : Mining)					
Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)	
Mining Area (Q-Pit) Grade Control	120	32.9	27.5	47.5	41.3	
Average (WBGT)		32.9				
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

Note:

This Analysis test Report is reissued to supersede Report No. 3547868-1, Date Reported : May 05, 2026 due to the revision of sample information from Mining Area (Grade Control)

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Analysis / Test Report

Lot ID: 2631010

Date Received : Apr 30, 2026
Date Reported : Jun 11, 2026
Report Number: 3593912-1

99 Moo 9, Tambon Khaochetluk, Amphur Thaplor, Phichit Thailand 66230

Project Name : Air Test

Project Location :

Page 3 of 3

Sample Number	2631010-3				
Parameter	Heat Stress (Sampling Time : 02.00 PM - 04.00 PM)				
Measurement Date	Apr 29, 2026				
Measurement by	Wasan Treenakul				
Location	ปฏิบัติงาน 2 ชั่วโมง (ปฏิบัติงานตามปกติ/ปฏิบัติงาน : ฤดูร้อน/ฤดูฝน/ฤดูหนาว ตาม : Process)				
Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
Process Area Top Tank CIP Plant 2	60	36.5	33.4	44.4	42.4
	60	20.7	18.1	26.9	26.4
Average (WBGT)		28.6			
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

Note:

This Analysis test Report is reissued to supersede Report No. 3547868-1, Date Reported : May 05, 2026 due to the revision of sample information from Process Area Control Room

Note:

This Analysis test Report is issued to supersede Report No. 3594696-1, Date Reported : Jun 12, 2026 due to the revision of sample information from Lab Assay Room (Geo) with Hood Weight Fire Assy

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Analysis / Test Report

Lot ID: 2636503

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetuk, Amphur Thapklor, Pichit Thailand 66230
Date Received : May 22, 2026
Date Reported : May 28, 2026
Report Number: 3560803-1

P/O : 1011814
Project Name : Air Test
Project Location :

Page 2 of 2

Sample Number	2636503-2				
Parameter	Heat Stress (Sampling Time : 08.00 AM - 10.00 PM)				
Measurement Date	May 21, 2026				
Measurement by	Phongsiri Somkaew				
Location	ปฏิบัติงาน 2 พื้นที่ (ผ้า-นาเกลือ) ปฏิบัติงาน : อุณหภูมิห้อง : Gold room)				
Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
Gold Room Plant 1 : โรงเกลือรวม	60	30.8	28.0	37.3	36.2
	60	21.1	19.9	24.0	23.6
Average (WBGT)	26.0				
Guideline WBGT (°C)	34.0				

Reference Method : Wet Bulb Globe Temperature

Guideline:

1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Ministerial Regulation on Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environment in relation to Heat,Light and Noise, B.E.2559

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Analysis / Test Report

Lot ID: 2636503

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetuk, Amphur Thapklor, Pichit Thailand 66230
Date Received : May 22, 2026
Date Reported : May 28, 2026
Report Number: 3560803-1

P/O : 1011814
Project Name : Air Test
Project Location :

Page 1 of 2

Sample Number	2636503-1				
Parameter	Heat Stress (Sampling Time : 08.00 AM - 10.00 PM)				
Measurement Date	May 21, 2026				
Measurement by	Phongsiri Somkaew				
Location	ปฏิบัติงาน 2 พื้นที่ (ผ้า-นาเกลือ) ปฏิบัติงาน : อุณหภูมิห้อง : Gold room)				
Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
Gold Room Plant 2 : โรงเกลือรวม	60	29.7	27.5	34.9	34.9
Gold Room Plant 2 : โรงเกลือรวม	60	21.2	19.9	24.2	23.1
Average (WBGT)		25.5			
Guideline WBGT (°C)		34.0			

Reference Method : Wet Bulb Globe Temperature

Guideline:

1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Ministerial Regulation on Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environment in relation to Heat,Light and Noise, B.E.2559

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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaocheulak, Amphur Thapklor, Phichit Thailand 66230
P/O : 1011814
Project Name : Air Test
Project Location :
Lot ID: 2642181
Date Received : May 22, 2026
Date Reported : Jul 02, 2026
Report Number : 3577993-1

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Sample Number 2642181-10
Sampled Date May 21, 2026
Sample Description Air Quality
Location Gold Room Plant1
Date Analysis Commenced May 23, 2026
Condition of Sample Drawn into one amber plastic bottle, refrigerated
Barometric Pressure 745 mmHg
Atmospheric Temperature 35.0 °C

Analyte	Sampled Date/Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Hydrogen cyanide *	08:30 AM - 10:30 AM	ppm	-	0.10	<0.10	10	Based on NIOSH, P&CAM 116	MOL	Bangkok

Guideline :
MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)
Sampled By : Phongsri Somkaew

Remark :
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P/O : 1011814
Project Name : Air Test
Project Location :
Lot ID: 2642181
Date Received : May 22, 2026
Date Reported : Jul 02, 2026
Report Number : 3577993-1

Page 9 of 44

Sample Number 2642181-9
Sampled Date May 19, 2026
Sample Description Air Quality
Location Laboratory Room
Date Analysis Commenced May 23, 2026
Condition of Sample Drawn into one amber plastic bottle, refrigerated
Barometric Pressure 745 mmHg
Atmospheric Temperature 27.0 °C

Analyte	Sampled Date/Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Hydrogen cyanide *	09:20 AM - 11:20 AM	ppm	-	0.10	<0.10	10	Based on NIOSH, P&CAM 116	MOL	Bangkok

Guideline :
MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)
Sampled By : Phongsri Somkaew

Remark :
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P/O : 1011814
Project Name : Air Test
Project Location :
Lot ID: 2642181
Date Received : May 22, 2026
Date Reported : Jul 02, 2026
Report Number : 3577993-1

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Sample Number	2642181-12	Sampled Date/Time	May 19, 2026	Unit	ppm	LOD	0.10	LOQ (LOR)	<0.10	Result	10	Guideline Limit	Based on NIOSH, PRCAM 116	Method	MOL	Guideline Testing Location	Bangkok
Sample Description	Air Quality																
Location	Cyanide Tank Plant1																
Date Analysis Commenced	May 23, 2026																
Condition of Sample	Drawn into one amber plastic bottle, refrigerated																
Barometric Pressure	745 mmHg																
Atmospheric Temperature	35.0 °C																
Analyte	Hydrogen cyanide *																
Air Testing	09:30 AM - 11:30 AM																

Guideline :
MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)
Sampled By : Phongsiri Somkaew

Remark :
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P/O : 1011814
Project Name : Air Test
Project Location :
Lot ID: 2642181
Date Received : May 22, 2026
Date Reported : Jul 02, 2026
Report Number : 3577993-1

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Sample Number	2642181-11	Sampled Date/Time	May 21, 2026	Unit	ppm	LOD	0.10	LOQ (LOR)	<0.10	Result	10	Guideline Limit	Based on NIOSH, PRCAM 116	Method	MOL	Guideline Testing Location	Bangkok
Sample Description	Air Quality																
Location	Gold Room Plant 2																
Date Analysis Commenced	May 23, 2026																
Condition of Sample	Drawn into one amber plastic bottle, refrigerated																
Barometric Pressure	745 mmHg																
Atmospheric Temperature	30.6 °C																
Analyte	Hydrogen cyanide *																
Air Testing	08:53 AM - 10:53 AM																

Guideline :
MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)
Sampled By : Phongsiri Somkaew

Remark :
- LOD : Limit of Detection
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P/O : 1011814
Project Name : Air Test
Project Location :

Lot ID: 2642181

Date Received : May 22, 2026
Date Reported : Jul 02, 2026
Report Number : 3577993-1

TESTING
No.0009

Lot ID: 2642181
Date Received : May 22, 2026
Date Reported : Jul 02, 2026
Report Number : 3577993-1

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Sample Number	2642181-14
Sample Date	May 20, 2026
Sample Description	Air Quality
Location	CIP/CIL Tank Plant1
Date Analysis Commenced	May 23, 2026
Condition of Sample	Drawn into one amber plastic bottle, refrigerated
Barometric Pressure	745 mmHg
Atmospheric Temperature	35.0 °C
Analyte	
Air Testing	
Hydrogen cyanide *	09:06 AM - 11:06 AM ppm 0.13 10 Based on NIOSH, PRCAM MOL 116

Guideline :

MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)

Sampled By : Phongsiri Somkaew

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P/O : 1011814
Project Name : Air Test
Project Location :

Lot ID: 2642181

Date Received : May 22, 2026
Date Reported : Jul 02, 2026
Report Number : 3577993-1

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No.0009

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Sample Number	2642181-13
Sample Date	May 19, 2026
Sample Description	Air Quality
Location	Cyanide Tank Plant 2
Date Analysis Commenced	May 23, 2026
Condition of Sample	Drawn into one amber plastic bottle, refrigerated
Barometric Pressure	745 mmHg
Atmospheric Temperature	35.0 °C
Analyte	
Air Testing	
Hydrogen cyanide *	09:45 AM - 11:45 AM ppm - 0.10 10 Based on NIOSH, PRCAM MOL 116

Guideline :

MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)

Sampled By : Phongsiri Somkaew

Remark :

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Analysis / Test Report

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P/O : 101814
Project Name : Air Test
Project Location :

Lot ID: 2642181
Date Received : May 22, 2026
Date Reported : Jul 02, 2026
Report Number : 3577993-1

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Sample Number 2642181-16
Sampled Date May 19, 2026
Sample Description Air Quality
Location Cyanide ISO Tanks
Date Analysis Commenced May 23, 2026
Condition of Sample Drawn into one amber plastic bottle, refrigerated
Barometric Pressure 745 mmHg
Atmospheric Temperature 35.0 °C

Analyte	Sampled Date/Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline Testing Location
Air Testing								
Hydrogen cyanide *	09:40 AM - 11:40 AM	ppm	-	0.10	<0.10	10	Based on NIOSH, PRCAM 116	MOL Bangkok

Guideline :
MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)
Sampled By : Phongsiri Somkaew

Remark :
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99 Moo 9, Tambon Khaochehluk, Amphur Thaplor, Phichit Thailand 66230
P/O : 101814
Project Name : Air Test
Project Location :

Lot ID: 2642181
Date Received : May 22, 2026
Date Reported : Jul 02, 2026
Report Number : 3577993-1

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Sample Number 2642181-15
Sampled Date May 20, 2026
Sample Description Air Quality
Location CIP/CIL Tank Plant 2
Date Analysis Commenced May 23, 2026
Condition of Sample Drawn into one amber plastic bottle, refrigerated
Barometric Pressure 745 mmHg
Atmospheric Temperature 35.0 °C

Analyte	Sampled Date/Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline Testing Location
Air Testing								
Hydrogen cyanide *	09:23 AM - 11:23 AM	ppm	-	0.10	0.27	10	Based on NIOSH, PRCAM 116	MOL Bangkok

Guideline :
MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)
Sampled By : Phongsiri Somkaew

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

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P/O : 1011814

Project Name : Air Test

Project Location :

Lot ID: 2642181

Date Received : May 22, 2026

Date Reported : Jul 02, 2026

Report Number : 3577993-1

TESTING
No.0009

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Sample Number	2642181-18
Sampled Date	May 20, 2026
Sample Description	Air Quality
Location	Laboratory Room: Lab Assay persons 1
Personal Sampling	ณารณัฐ สุวสา
Date Analysis Commenced	May 23, 2026
Condition of Sample	Drawn into one amber plastic bottle, refrigerated
Barometric Pressure	745 mmHg
Atmospheric Temperature	30.0 °C
Analyte	
Air Testing	
Hydrogen cyanide *	08:35 AM - 10:35 AM ppm <0.10 10 Based on NIOSH, P&CAM MOL 116

Guideline :

MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)

Sampled By : Phongsiri Somkaew

Remark :

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P/O : 1011814

Project Name : Air Test

Project Location :

Lot ID: 2642181

Date Received : May 22, 2026

Date Reported : Jul 02, 2026

Report Number : 3577993-1

TESTING
No.0009

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Sample Number	2642181-17
Sampled Date	May 19, 2026
Sample Description	Air Quality
Location	Metallurgy
Date Analysis Commenced	May 23, 2026
Condition of Sample	Drawn into one amber plastic bottle, refrigerated
Barometric Pressure	745 mmHg
Atmospheric Temperature	25.0 °C
Analyte	
Air Testing	
Hydrogen cyanide *	11:00 AM - 02:00 PM ppm <0.10 10 Based on NIOSH, P&CAM MOL 116

Guideline :

MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)

Sampled By : Phongsiri Somkaew

Remark :

- LOD : Limit of Detection
- *c* : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.

99 Moo 9, Tambon Khaocheulak, Amphur Thaplor, Phichit Thailand 66230

P/O : 1011814

Project Name : Air Test

Project Location :

Lot ID: 2642181

Date Received : May 22, 2026

Date Reported : Jul 02, 2026

Report Number : 3577993-1

TESTING
No.0009

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Sample Number	2642181-18
Sampled Date	May 20, 2026
Sample Description	Air Quality
Location	Laboratory Room: Lab Assay persons 1
Personal Sampling	ณารณัฐ สุวสา
Date Analysis Commenced	May 23, 2026
Condition of Sample	Drawn into one amber plastic bottle, refrigerated
Barometric Pressure	745 mmHg
Atmospheric Temperature	30.0 °C
Analyte	
Air Testing	
Hydrogen cyanide *	08:35 AM - 10:35 AM ppm <0.10 10 Based on NIOSH, P&CAM MOL 116

Guideline :

MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)

Sampled By : Phongsiri Somkaew

Remark :

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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.

99 Moo 9, Tambon Khaocheulak, Amphur Thaplor, Phichit Thailand 66230

P/O : 1011814

Project Name : Air Test

Project Location :

Lot ID: 2642181

Date Received : May 22, 2026

Date Reported : Jul 02, 2026

Report Number : 3577993-1

TESTING
No.0009

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Sample Number	2642181-17
Sampled Date	May 19, 2026
Sample Description	Air Quality
Location	Metallurgy
Date Analysis Commenced	May 23, 2026
Condition of Sample	Drawn into one amber plastic bottle, refrigerated
Barometric Pressure	745 mmHg
Atmospheric Temperature	25.0 °C
Analyte	
Air Testing	
Hydrogen cyanide *	11:00 AM - 02:00 PM ppm <0.10 10 Based on NIOSH, P&CAM MOL 116

Guideline :

MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)

Sampled By : Phongsiri Somkaew

Remark :

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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
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P/O : 1011814
Project Name : Air Test
Project Location :
Lot ID: 2642181
Date Received : May 22, 2026
Date Reported : Jul 02, 2026
Report Number : 3577993-1

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page 20 of 44									
Sample Number	2642181-20								
Sampled Date	May 21, 2026								
Sample Description	Air Quality								
Location	Gold Room Plant 2 : Process persons 1								
Personal Sampling	การสุ่มตัวอย่าง								
Date Analysis Commenced	May 23, 2026								
Condition of Sample	Drawn into one amber plastic bottle, refrigerated								
Barometric Pressure	745 mmHg								
Atmospheric Temperature	35.0 °C								
Analyte	Sampled Date/Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Hydrogen cyanide *	08:50 AM - 10:50 AM	ppm	-	0.10	<0.10	10	Based on NIOSH, P8CAM 116	MOL	Bangkok

Guideline :
MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)
Sampled By : Phongsiri Somkaew

Remark :
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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaocheuluk, Amphur Thaplor, Phichit Thailand 66230
P/O : 1011814
Project Name : Air Test
Project Location :
Lot ID: 2642181
Date Received : May 22, 2026
Date Reported : Jul 02, 2026
Report Number : 3577993-1

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Sample Number	2642181-19								
Sampled Date	May 21, 2026								
Sample Description	Air Quality								
Location	Gold Room Plant 1 : Process persons 1								
Personal Sampling	การสุ่มตัวอย่าง								
Date Analysis Commenced	May 23, 2026								
Condition of Sample	Drawn into one amber plastic bottle, refrigerated								
Barometric Pressure	745 mmHg								
Atmospheric Temperature	35.0 °C								
Analyte	Sampled Date/Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Hydrogen cyanide *	08:30 AM - 10:30 AM	ppm	-	0.10	<0.10	10	Based on NIOSH, P8CAM 116	MOL	Bangkok

Guideline :
MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)
Sampled By : Phongsiri Somkaew

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Orawan R.
Orawan Rakyong
Scientist (3)

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P/O : 1011814
Project Name : Air Test
Project Location :
Lot ID: 2642181
Date Received : May 22, 2026
Date Reported : Jul 02, 2026
Report Number : 3577993-1

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Sample Number	2642181-22
Sample Date	May 20, 2026
Sample Description	Air Quality
Location	CIP/CIL Tank Plant 2 : Process persons 1
Personal Sampling	การสุ่มตัวอย่าง
Date Analysis Commenced	May 23, 2026
Condition of Sample	Drawn into one amber plastic bottle, refrigerated
Barometric Pressure	745 mmHg
Atmospheric Temperature	35.0 °C
Analyte	
Air Testing	
Hydrogen cyanide *	09:23 AM - 11:23 AM ppm - 0.10 0.16 10 Based on NIOSH, P8CAM MOL 116

Guideline :

MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)

Sampled By : Phongsiri Somkaew

Remark :

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P/O : 1011814
Project Name : Air Test
Project Location :
Lot ID: 2642181
Date Received : May 22, 2026
Date Reported : Jul 02, 2026
Report Number : 3577993-1

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Sample Number	2642181-21
Sample Date	May 20, 2026
Sample Description	Air Quality
Location	CIP/CIL Tank Plant 1 : Process persons 1
Personal Sampling	การสุ่มตัวอย่าง
Date Analysis Commenced	May 23, 2026
Condition of Sample	Drawn into one amber plastic bottle, refrigerated
Barometric Pressure	745 mmHg
Atmospheric Temperature	35.0 °C
Analyte	
Air Testing	
Hydrogen cyanide *	09:06 AM - 11:06 AM ppm - 0.10 <0.10 10 Based on NIOSH, P8CAM MOL 116

Guideline :

MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)

Sampled By : Phongsiri Somkaew

Remark :

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P/O : 1011814
Project Name : Air Test
Project Location :

Lot ID: 2642179

Date Received : May 26, 2026
Date Reported : May 30, 2026
Report Number : 3582600-1

Page 1 of 8

Sample Number	2642179-1	Sampled Date/Time	May 27, 2026	LOD		Result		Guideline Limit	Method	Guideline Testing Location
Sample Date	May 20, 2026	Sample Description	Noise Dose							
Location	Processing area : Process Persons 1 Sagmill Plant 2									
Personal Sampling	การสุ่มตัวอย่าง									
Date Analysis Commenced	May 27, 2026									
Analyte										
Air Testing										
Noise Dose (8 hrs.)	07:32 AM - 03:32 PM	%	-	1	224	No Standard			MOL, Department Labour Protection and Welfare (B.E.2561)	Bangkok
TWA (8 hrs.)	07:32 AM - 03:32 PM	dB(A)	-	-	88.5	85			MOL, Department Labour Protection and Welfare (B.E.2561)	Bangkok

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. Notification of Department of Labour Protection and Welfare on the Standard of Time Weighted Average (TWA) Noise Level (B.E. 2561)

Sampled By : Phongsiri Somkaew

Remark :

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P/O : 1011814
Project Name : Air Test
Project Location :

Lot ID: 2642181

Date Received : May 22, 2026
Date Reported : Jul 02, 2026
Report Number : 3577993-1

Page 23 of 44

Sample Number	2642181-23	Sampled Date/Time	May 20, 2026	LOD		Result		Guideline Limit	Method	Guideline Testing Location
Sample Date	May 20, 2026	Sample Description	Air Quality							
Location	Metallurgy : Process persons 1									
Personal Sampling	การสุ่มตัวอย่าง									
Date Analysis Commenced	May 23, 2026									
Condition of Sample	Drawn into one amber plastic bottle, refrigerated									
Barometric Pressure	745 mmHg									
Atmospheric Temperature	25.0 °C									
Analyte										
Air Testing										
Hydrogen cyanide *	01:00 PM - 03:00 PM	ppm	-	0.10	<0.10	10			Based on NIOSH, P&CAM 116	Bangkok

Guideline :

MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)

Sampled By : Phongsiri Somkaew

Remark :

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Analysis / Test Report

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P/O : 1011814
Project Name : Air Test
Project Location :

Lot ID: 2642179
Date Received : May 26, 2026
Date Reported : May 30, 2026
Report Number : 3582600-1

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Sample Number	2642179-3							
Sampled Date	May 20, 2026							
Sample Description	Noise Dose							
Location	Processing area :Process Persons 3 Ballmill Plant 1							
Personal Sampling	การสุ่มตัวอย่าง							
Date Analysis Commenced	May 27, 2026							
Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline Testing Location
Air Testing								
Noise Dose (8 hrs.)	07:33 AM - 03:33 PM	%	-	1	40.7	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	Bangkok
TWA (8 hrs.)	07:33 AM - 03:33 PM	dB(A)	-	-	81.1	85	MOL, Department Labour Protection and Welfare (B.E.2561)	Bangkok

Guideline :
MOL : 1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Notification of Department of Labour Protection and Welfare on the Standard of Time Weighted Average (TWA) Noise Level (B.E. 2561)
Sampled By : Phongsiri Somkaew

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P/O : 1011814
Project Name : Air Test
Project Location :

Lot ID: 2642179
Date Received : May 26, 2026
Date Reported : May 30, 2026
Report Number : 3582600-1

Page 2 of 8

Sample Number	2642179-2							
Sampled Date	May 20, 2026							
Sample Description	Noise Dose							
Location	Processing area : Process Persons 2 Sagmill Plant 1							
Personal Sampling	การสุ่มตัวอย่าง							
Date Analysis Commenced	May 27, 2026							
Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline Testing Location
Air Testing								
Noise Dose (8 hrs.)	07:33 AM - 03:33 PM	%	-	1	132	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	Bangkok
TWA (8 hrs.)	07:33 AM - 03:33 PM	dB(A)	-	-	86.2	85	MOL, Department Labour Protection and Welfare (B.E.2561)	Bangkok

Guideline :
MOL : 1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Notification of Department of Labour Protection and Welfare on the Standard of Time Weighted Average (TWA) Noise Level (B.E. 2561)
Sampled By : Phongsiri Somkaew

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P/O : 1011814
Project Name : Air Test
Project Location :

Lot ID: 2642179
Date Received : May 26, 2026
Date Reported : May 30, 2026
Report Number : 3582600-1

Page 5 of 8

Sample Number	Sampled Date	Sample Description	Location	Personal Sampling	Date Analysis Commenced	Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
2642179-5	May 20, 2026	Noise Dose	Maintenance area : Maintenance Persons 2	การสุ่มเสียง 2 คน	May 27, 2026	Noise Dose (8 hrs.)	%	-	1	102	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
						TWA (8 hrs.)	dB(A)	-	-	85.1	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok

Guideline :
MOL : 1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Notification of Department of Labour Protection and Welfare on the Standard of Time Weighted Average (TWA) Noise Level (B.E. 2561)
Sampled By : Phongsiri Somkaew

Remark :
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P/O : 1011814
Project Name : Air Test
Project Location :

Lot ID: 2642179
Date Received : May 26, 2026
Date Reported : May 30, 2026
Report Number : 3582600-1

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Sample Number	Sampled Date	Sample Description	Location	Personal Sampling	Date Analysis Commenced	Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
2642179-4	May 20, 2026	Noise Dose	Maintenance area : Maintenance Persons 1	การสุ่มเสียง 1 คน	May 27, 2026	Noise Dose (8 hrs.)	%	-	1	69.2	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
						TWA (8 hrs.)	dB(A)	-	-	83.4	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok

Guideline :
MOL : 1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Notification of Department of Labour Protection and Welfare on the Standard of Time Weighted Average (TWA) Noise Level (B.E. 2561)
Sampled By : Phongsiri Somkaew

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

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Wichan Choonharat
Assistant Manager

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P/O : 1011814
Project Name : Air Test
Project Location :

Lot ID: 2642179
Date Received : May 26, 2026
Date Reported : May 30, 2026
Report Number : 3582600-1

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Sample Number	2642179-7																	
Sampled Date	May 20, 2026																	
Sample Description	Noise Dose																	
Location	Mine area (Drilling activity) : Mining/GEO persons 2																	
Personal Sampling	การสุ่มตัวอย่างเสียง																	
Date Analysis Commenced	May 27, 2026																	
Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location									
Air Testing																		
Noise Dose (8 hrs.)	07:33 AM - 03:33 PM	%	-	1	85.1	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok									
TWA (8 hrs.)	07:33 AM - 03:33 PM	dB(A)	-	-	84.3	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok									

Remark :

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

Guideline :

MOL : 1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)

2. Notification of Department of Labour Protection and Welfare on the Standard of Time Weighted Average (TWA) Noise Level (B.E. 2561)

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P/O : 1011814
Project Name : Air Test
Project Location :

Lot ID: 2642179
Date Received : May 26, 2026
Date Reported : May 30, 2026
Report Number : 3582600-1

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Sample Number	2642179-6																		
Sampled Date	May 20, 2026																		
Sample Description	Noise Dose																		
Location	Mine area (Drilling activity) : Mining/GEO persons 1																		
Personal Sampling	การสุ่มตัวอย่างเสียง																		
Date Analysis Commenced	May 27, 2026																		
Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location										
Air Testing																			
Noise Dose (8 hrs.)	07:33 AM - 03:33 PM	%	-	1	47.9	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)		Bangkok										
TWA (8 hrs.)	07:33 AM - 03:33 PM	dB(A)	-	-	81.8	85	MOL, Department Labour Protection and Welfare (B.E.2561)		Bangkok										
MOL, Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)																			
2. Notification of Department of Labour Protection and Welfare on the Standard of Time Weighted Average (TWA) Noise Level (B.E. 2561)																			
Sampled By : Phongsiri Somkaew																			

Remark :

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

Guideline :

MOL : 1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)

2. Notification of Department of Labour Protection and Welfare on the Standard of Time Weighted Average (TWA) Noise Level (B.E. 2561)

Approved by

Assistant Manager

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

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MM-N08

Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230
P/O : 1014929
Project Name : Air Test
Project Location :

Lot ID: 2645369
Date Received : May 26, 2026
Date Reported : May 30, 2026
Report Number : 3580890-1

Page 1 of 1

Sample Number		2645369-1							
Sampled Date		May 24, 2026							
Sample Description		Noise Dose							
Location		Maintenance area : Maintenance Persons 2							
Personal Sampling		การวัดเสียง							
Date Analysis Commenced		May 27, 2026							
Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Noise Dose (8 hrs.)	08:31 AM - 04:31 PM	%	-	1	14.4	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (8 hrs.)	08:31 AM - 04:31 PM	dB(A)	-	-	76.6	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok

Guideline :
MOL : 1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Notification of Department of Labour Protection and Welfare on the Standard of Time Weighted Average (TWA) Noise Level (B.E. 2561)
Sampled By : Phongsiri Somkaew

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

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Approved by

Assistant Manager

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Analysis / Test Report

Client : Akara Resources Public Co., Ltd.
99 Moo 9, Tambon Khaochetuk, Amphur Thaplor, Pichit Thailand 66230
P/O : 1011814
Project Name : Air Test
Project Location :

Lot ID: 2642179
Date Received : May 26, 2026
Date Reported : May 30, 2026
Report Number : 3582600-1

Page 8 of 8

Sample Number		2642179-8							
Sample Date		May 20, 2026							
Sample Description		Noise Dose							
Location		Grad Control							
Personal Sampling		การวัดความถี่							
Date Analysis Commenced		May 27, 2026							
Analyte		Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline Testing Location
Air Testing									
Noise Dose (8 hrs.)		07:34 AM - 03:34 PM	%	-	1	42.7	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL Bangkok
TWA (8 hrs.)		07:34 AM - 03:34 PM	dB(A)	-	-	81.3	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL Bangkok

Guideline :
MOL : 1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Notification of Department of Labour Protection and Welfare on the Standard of Time Weighted Average (TWA) Noise Level (B.E. 2561)
Sampled By : Phongsiri Somkaew

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

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Approved by

Assistant Manager

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