

ภาคผนวก ค

ใบรายงานผลวิเคราะห์



Analysis Report BK2401853



TESTING
No.0009

Client : Atmozlandprao 15 Juristic Person
477 Lat Phrao 15, Chom Phon, Chatuchak, Bangkok, Thailand, 10900
P/O : ---
Project : EIA
Project Location: Atmozlandprao 15 Juristic Person

Work Order : BK2401853
Report Number : BK2401853-AA
Date Received : Jan 31, 2024
Date Reported : Feb 12, 2024
Date Analysis Commenced : Feb 01, 2024
No. of samples received : 4
Temperature : 2.0 °C
Sampled by : Pichai Boonyong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory.
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Signatories

Kittitee Jajumroon
Scientist (3)

ALS Laboratory Group (Thailand) Co.,Ltd. Bangkok Life Sciences

104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand T +662 760 3000



Analysis Report BK2401853

Report Number : BK2401853-AA



TESTING
No.0009

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
BK2401853-001	สระที่ 1 : บึงเวกส่วนต้น	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2401853-002	สระที่ 1 : บึงเวกส่วนเล็ก	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2401853-003	สระที่ 2 : บึงเวกส่วนต้น	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2401853-004	สระที่ 2 : บึงเวกส่วนเล็ก	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated

Brief Method Summaries

The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

Method	Testing Lab	Method Descriptions
MC6009	Bangkok	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B
MC6012	Bangkok	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B,F
MC6035	Bangkok	In-house method based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, Part 9213 F
MC6037	Bangkok	In-house method : STM 01-054 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, Part 9213 B



Analysis Report BK2401853

Report Number : BK2401853-AA



TESTING
No.0009

Sub-Matrix: PROCESS WATER
(Matrix: WATER)

Client Sample ID

Sub-Matrix: PROCESS WATER									
(Matrix: WATER)									
Client Sample ID									
สละที่ 1 : บริเวณส่วนต้น									
สละที่ 1 : บริเวณส่วนเล็ก									
สละที่ 2 : บริเวณส่วนต้น									
Sampling Date									
Jan 31, 2024 10:00 AM									
Jan 31, 2024 10:05 AM									
Jan 31, 2024 10:10 AM									
BK2401853-001									
BK2401853-002									
BK2401853-003									
Result									
Result									
Result									
Microbiological Parameters									
Total Coliforms									
MPN/100mL									
<10									
<1.1									
Not Detected									
Not Detected									
Not Detected									
Not Detected									
Not Detected									
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Analysis Report BK2401853

Report Number : BK2401853-AA



TESTING
No.0009

Sub-Matrix: PROCESS WATER

(Matrix: WATER)

Client Sample ID

ครั้งที่ 2 : บริเวณส่วนลึก

Method		Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date		Jan 31, 2024 10:15 AM	
							Guideline			
							MOPH		BK2401853-004	
							1/2550		Result	
Microbiological Parameters										
MC6009	Bangkok	Total Coliforms				MPN/100mL	<10		<1.1	
MC6012	Bangkok	Escherichia coli				in 100mL	Not Detected		Not Detected	
MC6035	Bangkok	Pseudomonas aeruginosa				in 100mL	Not Detected		Not Detected *	
MC6037	Bangkok	Staphylococcus aureus				in 100mL	Not Detected		Not Detected	

Guideline: MOPH 1/2550: Recommendations of The Public Health Committee on Swimming Pool Operations

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

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

Key:

◦ LOD : Limit of Detection

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

◦ Result(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

----- END OF REPORT -----



Analysis Report BK2401854



Accreditation No.1031/47

Client : Atmozlandprao 15 Juristic Person
477 Lat Phrao 15, Chom Phon, Chatuchak, Bangkok, Thailand, 10900
P/O : ---
Project : EIA
Project Location: Atmozlandprao 15 Juristic Person

Work Order : BK2401854
Report Number : BK2401854-AA
Date Received : Jan 31, 2024
Date Reported : Feb 07, 2024
Date Analysis Commenced : Feb 01, 2024
No. of samples received : 1
Temperature : 2.0 °C
Sampled by : Pichai Boonyong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory.
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Signatories

Nanthawadee Somboon
Specialist 1

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104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand T +662 760 3000



Analysis Report BK2401854

Report Number : BK2401854-AA



Accreditation No.1031/47

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
BK2401854-001	Consumption Water	----	----	1x 500mL Plastic Bottle, refrigerated

Brief Method Summaries

The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

Method	Testing Lab	Method Descriptions
END100	Bangkok	In-house method : STM 04-011 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C



Analysis Report BK2401854

Report Number : BK2401854-AA



Accreditation No.1031/47

Sub-Matrix: PROCESS WATER

(Matrix: WATER)

Client Sample ID

Consumption Water

Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date	
						Guideline	Result
EN0100	Bangkok	Total Dissolved Solids at 180°C	----	5	mg/L	-----	290

Physical and Aggregate Properties

Guideline: ----

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

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

Key:

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

----- END OF REPORT -----



Analysis Report BK2401854



TESTING
No.0009

Client : Atmozlandprao 15 Juristic Person
477 Lat Phrao 15, Chom Phon, Chatuchak, Bangkok, Thailand, 10900
P/O : ---
Project : EIA
Project Location: Atmozlandprao 15 Juristic Person

Work Order : **BK2401854**
Report Number : BK2401854-AB
Date Received : Jan 31, 2024
Date Reported : Feb 07, 2024
Date Analysis Commenced : Feb 01, 2024
No. of samples received : 7
Temperature : 2.0 °C
Sampled by : Pichai Boonyong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory.
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Signatories

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Analysis Report BK2401854

Report Number : BK2401854-AB



TESTING
No.0009

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
BK2401854-002	บ่อตรวจสอมคุณภาพน้ำทั้งก่อนเปลี่ยนออกสู่ภายนอก โครงการ	----	----	1x 500mL Plastic Bottle, 1x 1L Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, refrigerated
BK2401854-003	สถานี A : บ่อปรับสภาพน้ำของระบบบำบัดน้ำเสีย : ก่อนบำบัด	----	----	1x 500mL Plastic Bottle, 1x 1L Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, refrigerated
BK2401854-004	สถานี A : บ่อสูบน้ำทั้งของระบบบำบัดน้ำเสียแต่ละชุด : หลังบำบัด	----	----	1x 500mL Plastic Bottle, 1x 1L Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, refrigerated
BK2401854-005	สถานี B : บ่อปรับสภาพน้ำของระบบบำบัดน้ำเสีย : ก่อนบำบัด	----	----	1x 500mL Plastic Bottle, 1x 1L Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, refrigerated
BK2401854-006	สถานี B : บ่อสูบน้ำทั้งของระบบบำบัดน้ำเสียแต่ละชุด : หลังบำบัด	----	----	1x 500mL Plastic Bottle, 1x 1L Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, refrigerated
BK2401854-007	สถานี C : บ่อปรับสภาพน้ำของระบบบำบัดน้ำเสีย : ก่อนบำบัด	----	----	1x 500mL Plastic Bottle, 1x 1L Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, refrigerated
BK2401854-008	สถานี C : บ่อสูบน้ำทั้งของระบบบำบัดน้ำเสียแต่ละชุด : หลังบำบัด	----	----	1x 500mL Plastic Bottle, 1x 1L Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, refrigerated



Analysis Report BK2401854

Report Number : BK2401854-AB



TESTING
No.0009

Brief Method Summaries

The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

Method	Testing Lab	Method Descriptions
EN0021	Bangkok	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)
EN0032	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - S2 (C, F)
EN0035	Bangkok	In-house method : STM 04-100 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (D)
EN0044	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B and part 4500 - O (G)
EN0048	Bangkok	In - house method : STM 04-014 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B
EN0093	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 F
EN0099	Bangkok	In-house method : STM 04-010 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C
EN0102	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D
MC6010	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, Part 9221 B
MC6022	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E



Analysis Report BK2401854

Report Number : BK2401854-AB



TESTING
No.0009

Sub-Matrix: WASTEWATER
(Matrix: WATER)

Client Sample ID

Sub-Matrix: WASTEWATER										
(Matrix: WATER)										
Client Sample ID						Sampling Date		ปตรตรวจสอบคุณภาพน้ำทั้งก่อนปล่อยออกสู่ภายนอกโครงการ		
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Guideline		Result	Result	Result
						MNRE 2548 Type A				
Chemical Parameters										
EN0044	Bangkok	BOD (5 days at 20°C)		2.0	mg/L			177	73.4	58.0
EN0048	Bangkok	Oil & Grease		3	mg/L			10	9	7
EN0021	Bangkok	pH at 25°C		1.0	pH Unit			7.6	7.7	7.7
EN0032	Bangkok	Sulfides		0.5	mg/L			0.8 *	4.4 *	1.8 *
EN0035	Bangkok	Total Kjeldahl Nitrogen as N	0.15	1.0	mg/L			57.5	101	94.3
Microbiological Parameters										
MC6010	Bangkok	Total Coliforms			MPN/100mL			170000	1700000	240000
MC6022	Bangkok	Fecal Coliforms			MPN/100mL				1100000	
Physical and Aggregate Properties										
EN0093	Bangkok	Settleable Solids		0.1	mL/L/hr			8 *	0.3 *	<0.1 *
EN0099	Bangkok	Total Dissolved Solids at 103-105°C		5	mg/L			844	464	460
EN0102	Bangkok	Total Suspended Solids		5	mg/L			114	33	14



Analysis Report BK2401854

Report Number : BK2401854-AB



TESTING
No.0009

Sub-Matrix: WASTEWATER
(Matrix: WATER)

Client Sample ID

Sub-Matrix: WASTEWATER											
(Matrix: WATER)											
Client Sample ID						Sampling Date			สถานี B : ปอมรับสภาพน้ำของระบบบำบัดน้ำเสีย : ก่อนบำบัด		
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Guideline		Result	สถานี B : ปอมรับสภาพน้ำของระบบบำบัดน้ำเสียแต่ละจุด : หลังบำบัด	Result	สถานี C : ปอมรับสภาพน้ำของระบบบำบัดน้ำเสีย : ก่อนบำบัด
						MNRE 2548	Type A				
Chemical Parameters											
EN0044	Bangkok	BOD (5 days at 20°C)	-----	2.0	mg/L	-----	≤20	103	-----	196	116
EN0048	Bangkok	Oil & Grease	-----	3	mg/L	-----	≤20	9	-----	13	103
EN0021	Bangkok	pH at 25°C	-----	1.0	pH Unit	-----	5-9	7.6	-----	7.6	7.5
EN0032	Bangkok	Sulfides	-----	0.5	mg/L	-----	≤1	16.5 *	-----	2.4 *	2.6 *
EN0035	Bangkok	Total Kjeldahl Nitrogen as N	0.15	1.0	mg/L	-----	≤35	70.9	-----	63.7	104
Microbiological Parameters											
MC6010	Bangkok	Total Coliforms	-----	-----	MPN/100mL	-----	-----	1300000	-----	79000	790000
MC6022	Bangkok	Fecal Coliforms	-----	-----	MPN/100mL	-----	-----	490000	-----	-----	490000
Physical and Aggregate Properties											
EN0093	Bangkok	Settleable Solids	-----	0.1	mL/L/hr	-----	≤0.5	<0.1 *	-----	17 *	18 *
EN0099	Bangkok	Total Dissolved Solids at 103-105°C	-----	5	mg/L	-----	≤500	612	-----	820	500
EN0102	Bangkok	Total Suspended Solids	-----	5	mg/L	-----	≤30	19	-----	124	507



Analysis Report BK2401854

Report Number : BK2401854-AB



TESTING
No.0009

Sub-Matrix: WASTEWATER
(Matrix: WATER)

Client Sample ID

Sub-Matrix: WASTEWATER (Matrix: WATER)									
		Client Sample ID			สถานี C : บ่อสูบน้ำทิ้งของ ระบบบำบัดน้ำเสียแต่ละชุด : หลังบำบัด				
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date		Guideline	Result
						MNRE 2548 Type A			
Chemical Parameters									
EN0044	Bangkok	BOD (5 days at 20°C)		2.0	mg/L			≤20	39.0
EN0048	Bangkok	Oil & Grease		3	mg/L			≤20	7
EN0021	Bangkok	pH at 25°C		1.0	pH Unit			5-9	7.6
EN0032	Bangkok	Sulfides		0.5	mg/L			≤1	1.6 *
EN0035	Bangkok	Total Kjeldahl Nitrogen as N	0.15	1.0	mg/L			≤35	79.5
Microbiological Parameters									
MC6010	Bangkok	Total Coliforms			MPN/100mL				220000
Physical and Aggregate Properties									
EN0093	Bangkok	Settleable Solids		0.1	mL/L/hr			≤0.5	<0.1 *
EN0099	Bangkok	Total Dissolved Solids at 103-105°C		5	mg/L			≤500	468
EN0102	Bangkok	Total Suspended Solids		5	mg/L			≤30	12

Guideline: MNRE 2548 Type A: Building: Notification of The Ministry of Natural Resources and Environment on Effluent from building Type A (Guideline for TDS are in addition to the TDS of the water used not more than 500 mg/L)
Comment: The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

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

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

----- END OF REPORT -----



Analysis Report BK2403850



Accreditation No.1031/47

Client : Atmozlandprao 15 Juristic Person
477 Lat Phrao 15, Chom Phon, Chatuchak, Bangkok, Thailand, 10900
P/O : ---
Project : EIA
Project Location: Atmozlandprao 15 Juristic Person

Work Order : BK2403850
Report Number : BK2403850-AA
Date Received : Feb 29, 2024
Date Reported : Mar 07, 2024
Date Analysis Commenced : Mar 01, 2024
No. of samples received : 1
Temperature : 2.0 °C
Sampled by : Pichai Boonyong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report 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.

Signatories

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Siriluk Bunnak
Section Head

ALS Laboratory Group (Thailand) Co.,Ltd. Bangkok Life Sciences

104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand T +662 760 3000



Analysis Report BK2403850

Report Number : BK2403850-AA



Accreditation No.1031/47

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
BK2403850-001	Consumption Water	----	----	1x 500mL Plastic Bottleu refrigerated

Brief Method Summaries

The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

Method	Testing Lab	Method Descriptions
END100	Bangkok	In-house method : STM 04-011 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C



Analysis Report BK2403850

Report Number : BK2403850-AA



Accreditation No.1031/47

Sub-Matrix: PROCESS WATER

(Matrix: WATER)

Client Sample ID

Consumption Water

Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date	
						Guideline	Result
EN0100	Bangkok	Total Dissolved Solids at 180°C	----	5	mg/L	----	214

Physical and Aggregate Properties

Guideline: ----

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

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

Key: ° LOD : Limit of Detection

° "≤" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

----- END OF REPORT -----



Analysis Report BK2403850



TESTING
No.0009

Client : Atmozlandprao 15 Juristic Person
477 Lat Phrao 15, Chom Phon, Chatuchak, Bangkok, Thailand, 10900
P/O : ---
Project : EIA
Project Location: Atmozlandprao 15 Juristic Person

Work Order : BK2403850
Report Number : BK2403850-AB
Date Received : Feb 29, 2024
Date Reported : Mar 07, 2024
Date Analysis Commenced : Mar 01, 2024
No. of samples received : 7
Temperature : 2.0 °C
Sampled by : Pichai Boonyong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory.
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Signatories

Siriluk P.

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ALS Laboratory Group (Thailand) Co.,Ltd. Bangkok Life Sciences

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Analysis Report BK2403850

Report Number : BK2403850-AB



TESTING
No.0009

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
BK2403850-002	บ่อตรวจสอบคุณภาพน้ำทิ้งก่อนปล่อยออกสู่ภายนอก โครงการ	----	----	1x 500mL Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, 1x 1L Plastic Bottle <u>u</u> refrigerated
BK2403850-003	สถานี A : บ่อปรับสภาพน้ำของระบบบำบัดน้ำเสีย : ก่อนบำบัด	----	----	1x 500mL Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, 1x 1L Plastic Bottle <u>u</u> refrigerated
BK2403850-004	สถานี A : บ่อสูบน้ำทิ้งของระบบบำบัดน้ำเสียแต่ละชุด : หลังบำบัด	----	----	1x 500mL Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, 1x 1L Plastic Bottle <u>u</u> refrigerated
BK2403850-005	สถานี B : บ่อปรับสภาพน้ำของระบบบำบัดน้ำเสีย : ก่อนบำบัด	----	----	1x 500mL Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, 1x 1L Plastic Bottle <u>u</u> refrigerated
BK2403850-006	สถานี B : บ่อสูบน้ำทิ้งของระบบบำบัดน้ำเสียแต่ละชุด : หลังบำบัด	----	----	1x 500mL Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, 1x 1L Plastic Bottle <u>u</u> refrigerated
BK2403850-007	สถานี C : บ่อปรับสภาพน้ำของระบบบำบัดน้ำเสีย : ก่อนบำบัด	----	----	1x 500mL Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, 1x 1L Plastic Bottle <u>u</u> refrigerated
BK2403850-008	สถานี C : บ่อสูบน้ำทิ้งของระบบบำบัดน้ำเสียแต่ละชุด : หลังบำบัด	----	----	1x 500mL Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, 1x 1L Plastic Bottle <u>u</u> refrigerated



Analysis Report BK2403850

Report Number : BK2403850-AB



TESTING
No.0009

Brief Method Summaries

The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

Method	Testing Lab	Method Descriptions
EN0021	Bangkok	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)
EN0032	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - S2 (C, F)
EN0035	Bangkok	In-house method : STM 04-100 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (D)
EN0044	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B and part 4500 - O (G)
EN0048	Bangkok	In - house method : STM 04-014 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B
EN0093	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 F
EN0099	Bangkok	In-house method : STM 04-010 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C
EN0102	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D
MC6010	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, Part 9221 B
MC6022	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E



Analysis Report BK2403850

Report Number : BK2403850-AB



TESTING
No.0009

Sub-Matrix: WASTEWATER
(Matrix: WATER)

Client Sample ID

Sub-Matrix: WASTEWATER (Matrix: WATER)											
Client Sample ID						ปอดตรวจสอคนภาพน้ำทั้งก่อน ปล่อยออกสู่ภายนอกโครงการ		สถานี A : ปอดปรับสภาพน้ำของ ระบบบำบัดน้ำเสีย : ก่อนบำบัด		สถานี A : ปอดสูบน้ำทิ้งของ ระบบบำบัดน้ำเสียแต่ละชุด : หลังบำบัด	
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date		Result	Result	Result	Result
						MNRE 2548	Guideline				
Type A											
Chemical Parameters											
EN0044	Bangkok	BOD (5 days at 20°C)	-----	2.0	mg/L	-----	≤20	35.3	89.0	48.5	
EN0048	Bangkok	Oil & Grease	-----	3	mg/L	-----	≤20	4	18	7	
EN0021	Bangkok	pH at 25°C	-----	1.0	pH Unit	-----	5-9	7.2	7.8	7.9	
EN0032	Bangkok	Sulfides	-----	0.5	mg/L	-----	≤1	<0.5 *	12.5 *	11.9 *	
EN0035	Bangkok	Total Kjeldahl Nitrogen as N	0.15	1.0	mg/L	-----	≤35	29.4	92.5	----	
EN0035	Bangkok	Total Kjeldahl Nitrogen as N	0.15000	1.0	mg/L	-----	≤35	-----	----	84.8	
Microbiological Parameters											
MC6010	Bangkok	Total Coliforms	-----	-----	MPN/100mL	-----	-----	24000	1700000	1100000	
MC6022	Bangkok	Fecal Coliforms	-----	-----	MPN/100mL	-----	-----	-----	1300000	----	
Physical and Aggregate Properties											
EN0093	Bangkok	Settleable Solids	-----	0.1	mL/L/hr	-----	≤0.5	<0.1 *	1 *	<0.1 *	
EN0099	Bangkok	Total Dissolved Solids at 103-105°C	-----	5	mg/L	-----	≤500	616	416	408	
EN0102	Bangkok	Total Suspended Solids	-----	5	mg/L	-----	≤30	29	55	20	



Analysis Report BK2403850

Report Number : BK2403850-AB



TESTING
No.0009

Sub-Matrix: WASTEWATER
(Matrix: WATER)

Client Sample ID

Sub-Matrix: WASTEWATER											
(Matrix: WATER)											
Client Sample ID						Station B : before treatment of wastewater system			Station B : after treatment of wastewater system		
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date		Result	Result	Result	Result
						Guideline					
MNRE 2548 Type A											
Chemical Parameters											
EN0044	Bangkok	BOD (5 days at 20°C)	-----	2.0	mg/L	-----	≤20	64.7		35.9	190
EN0048	Bangkok	Oil & Grease	-----	3	mg/L	-----	≤20	8		5	96
EN0021	Bangkok	pH at 25°C	-----	1.0	pH Unit	-----	5-9	7.8		7.2	7.6
EN0032	Bangkok	Sulfides	-----	0.5	mg/L	-----	≤1	6.1 *		<0.5 *	8.1 *
EN0035	Bangkok	Total Kjeldahl Nitrogen as N	0.15	1.0	mg/L	-----	≤35	65.1		30.5	89.9
Microbiological Parameters											
MC6010	Bangkok	Total Coliforms	-----	-----	MPN/100mL	-----	-----	1300000		49000	3300000
MC6022	Bangkok	Fecal Coliforms	-----	-----	MPN/100mL	-----	-----	790000		-----	2400000
Physical and Aggregate Properties											
EN0093	Bangkok	Settleable Solids	-----	0.1	mL/L/hr	-----	≤0.5	<0.1 *		<0.1 *	16 *
EN0099	Bangkok	Total Dissolved Solids at 103-105°C	-----	5	mg/L	-----	≤500	552		612	416
EN0102	Bangkok	Total Suspended Solids	-----	5	mg/L	-----	≤30	24		31	228



Analysis Report BK2403850

Report Number : BK2403850-AB



TESTING
No.0009

Sub-Matrix: WASTEWATER
(Matrix: WATER)

Client Sample ID

สถานที่ C : บ่อสูบน้ำทิ้งของ ระบบบำบัดน้ำเสียแต่ละชุด : หลังบำบัด					Sampling Date		Sampling Date		Sampling Date	
Feb 29, 2024 09:55 AM					BK2403850-008		Result			
MNRE 2548 Type A					Unit		LOQ		LOD	
Analytes					Testing Lab		Bangkok		Bangkok	
BOD (5 days at 20°C)					mg/L		2.0		0.15000	
Oil & Grease					mg/L		3			
pH at 25°C					pH Unit		1.0			
Sulfides					mg/L		0.5			
Total Kjeldahl Nitrogen as N					mg/L		1.0			
Microbiological Parameters					MPN/100mL		240000			
Total Coliforms					MPN/100mL		240000			
Physical and Aggregate Properties					Settleable Solids		0.1		0.1 *	
Total Dissolved Solids at 103-105°C					mg/L		5		376	
Total Suspended Solids					mg/L		5		19	

Guideline: MNRE 2548 Type A: Building: Notification of The Ministry of Natural Resources and Environment on Effluent from building Type A (Guideline for TDS are in addition to the TDS of the water used not more than 500 mg/L)
Comment: The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

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

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

----- END OF REPORT -----



Analysis Report BK2403851



TESTING
No.0009

Client : Atmozlandprao 15 Juristic Person
477 Lat Phrao 15, Chom Phon, Chatuchak, Bangkok, Thailand, 10900
P/O : ---
Project : EIA
Project Location: Atmozlandprao 15 Juristic Person

Work Order : BK2403851
Report Number : BK2403851-AA
Date Received : Feb 29, 2024
Date Reported : Mar 11, 2024
Date Analysis Commenced : Mar 01, 2024
No. of samples received : 4
Temperature : 2.0 °C
Sampled by : Pichai Boonyong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory.
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Signatories

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Analysis Report BK2403851

Report Number : BK2403851-AA



TESTING
No.0009

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
BK2403851-001	สระที่ 1 : บึงเวกส่วนต้น	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2403851-002	สระที่ 1 : บึงเวกส่วนเล็ก	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2403851-003	สระที่ 2 : บึงเวกส่วนต้น	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2403851-004	สระที่ 2 : บึงเวกส่วนเล็ก	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated

Brief Method Summaries

The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

Method	Testing Lab	Method Descriptions
MC6009	Bangkok	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B
MC6012	Bangkok	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B,F
MC6035	Bangkok	In-house method based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, Part 9213 F
MC6037	Bangkok	In-house method : STM 01-054 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, Part 9213 B



Analysis Report BK2403851



TESTING
No.00009

Sub-Matrix: PROCESS WATER

(Matrix: WATER)

Client Sample ID

Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date		Result
						Guideline	MOPH 1/2550	
Microbiological Parameters								
MC6009	Bangkok	Total Coliforms	MPN/100mL	<10	Detected	23	Feb 29, 2024 10:00 AM	Feb 29, 2024 09:57 AM
MC6012	Bangkok	Escherichia coli	in 100mL	Not Detected	Detected	12	Feb 29, 2024 10:00 AM	Feb 29, 2024 09:57 AM
MC6035	Bangkok	Pseudomonas aeruginosa	in 100mL	Not Detected	Not Detected *	Not Detected *	Feb 29, 2024 10:00 AM	Feb 29, 2024 09:57 AM
MC6037	Bangkok	Staphylococcus aureus	in 100mL	Not Detected	Not Detected	Not Detected	Feb 29, 2024 10:00 AM	Feb 29, 2024 09:57 AM



Analysis Report BK2403851

Report Number : BK2403851-AA



TESTING
No.0009

Sub-Matrix: PROCESS WATER

(Matrix: WATER)

Client Sample ID

ครั้งที่ 2 : บริเวณส่วนลึก

Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date		Result	
						MOPH	Guideline		
Microbiological Parameters									
MC6009	Bangkok	Total Coliforms			MPN/100mL	<10		<1.1	
MC6012	Bangkok	Escherichia coli			in 100mL	Not Detected		Not Detected	
MC6035	Bangkok	Pseudomonas aeruginosa			in 100mL	Not Detected		Not Detected *	
MC6037	Bangkok	Staphylococcus aureus			in 100mL	Not Detected		Not Detected	

Guideline: MOPH 1/2550: Recommendations of The Public Health Committee on Swimming Pool Operations

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

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

Key:

◦ LOD : Limit of Detection

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

◦ Result(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

----- END OF REPORT -----



Analysis Report BK2404440



Accreditation No.1031/47

Client : Atmozlandprao 15 Juristic Person
477 Lat Phrao 15, Chom Phon, Chatuchak, Bangkok, Thailand, 10900
P/O : ---
Project : EIA
Project Location: Atmozlandprao 15 Juristic Person

Work Order : BK2404440
Report Number : BK2404440-AA
Date Received : Mar 11, 2024
Date Reported : Mar 18, 2024
Date Analysis Commenced : Mar 12, 2024
No. of samples received : 1
Temperature : 2.0 °C
Sampled by : Pichai Boonyong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory.
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Signatories

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104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand T +662 760 3000



Analysis Report BK2404440

Report Number : BK2404440-AA



Accreditation No.1031/47

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
BK2404440-001	Consumption Water	----	----	1x 500mL Plastic Bottle, refrigerated

Brief Method Summaries

The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

Method	Testing Lab	Method Descriptions
END100	Bangkok	In-house method : STM 04-011 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C



Analysis Report BK2404440

Report Number : BK2404440-AA



Accreditation No.1031/47

Sub-Matrix: PROCESS WATER
(Matrix: WATER)

Client Sample ID

Consumption Water

Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date	
						Guideline	Result
EN0100	Bangkok	Total Dissolved Solids at 180°C	----	5	mg/L	----	220

Physical and Aggregate Properties

Guideline: ----

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

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

Key: ° LOD : Limit of Detection

° "≤" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

----- END OF REPORT -----



Analysis Report BK2404440



TESTING
No.0009

Client : Atmozlandprao 15 Juristic Person
477 Lat Phrao 15, Chom Phon, Chatuchak, Bangkok, Thailand, 10900
P/O : ---
Project : EIA
Project Location: Atmozlandprao 15 Juristic Person

Work Order : BK2404440
Report Number : BK2404440-AB
Date Received : Mar 11, 2024
Date Reported : Mar 18, 2024
Date Analysis Commenced : Mar 12, 2024
No. of samples received : 7
Temperature : 2.0 °C
Sampled by : Pichai Boonyong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory.
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Signatories

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Siriluk Bunnak
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Analysis Report BK2404440

Report Number : BK2404440-AB



TESTING
No.0009

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
BK2404440-002	ปัดตรวจสอบคุณภาพน้ำทิ้งก่อนปล่อยออกสู่ภายนอก โครงการ	----	----	2x 1L Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, refrigerated
BK2404440-003	สถานี A : ป้อนปรับสภาพน้ำของระบบบำบัดน้ำเสีย : ก่อนบำบัด	----	----	2x 1L Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, refrigerated
BK2404440-004	สถานี A : ป้อนน้ำทิ้งของระบบบำบัดน้ำเสียแต่ละชุด : หลังบำบัด	----	----	2x 1L Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, refrigerated
BK2404440-005	สถานี B : ป้อนปรับสภาพน้ำของระบบบำบัดน้ำเสีย : ก่อนบำบัด	----	----	2x 1L Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, refrigerated
BK2404440-006	สถานี B : ป้อนน้ำทิ้งของระบบบำบัดน้ำเสียแต่ละชุด : หลังบำบัด	----	----	2x 1L Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, refrigerated
BK2404440-007	สถานี C : ป้อนปรับสภาพน้ำของระบบบำบัดน้ำเสีย : ก่อนบำบัด	----	----	2x 1L Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, refrigerated
BK2404440-008	สถานี C : ป้อนน้ำทิ้งของระบบบำบัดน้ำเสียแต่ละชุด : หลังบำบัด	----	----	2x 1L Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, refrigerated



Analysis Report BK2404440

Report Number : BK2404440-AB



TESTING
No.0009

Brief Method Summaries

The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

Method	Testing Lab	Method Descriptions
EN0021	Bangkok	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)
EN0032	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - S2 (C, F)
EN0035	Bangkok	In-house method : STM 04-100 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (D)
EN0044	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B and part 4500 - O (G)
EN0048	Bangkok	In - house method : STM 04-014 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B
EN0093	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 F
EN0099	Bangkok	In-house method : STM 04-010 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C
EN0102	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D
MC6010	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, Part 9221 B
MC6022	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E



Analysis Report BK2404440

Report Number : BK2404440-AB



TESTING
No.0009

Sub-Matrix: WASTEWATER
(Matrix: WATER)

Client Sample ID

Sub-Matrix: WASTEWATER											
(Matrix: WATER)											
Client Sample ID						ปอดตรวจสอบคุณภาพน้ำทิ้งก่อนปล่อยออกสู่ภายนอกโครงการ		สถานี A : ปอดปรับสภาพน้ำของระบบบำบัดน้ำเสีย : ก่อนบำบัด		สถานี A : ปอดสูบน้ำทิ้งของระบบบำบัดน้ำเสียแต่ละชุด : หลังบำบัด	
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date		Result	Result	Result	Result
						Guideline	MNRE 2548 Type A				
Chemical Parameters											
EN0044	Bangkok	BOD (5 days at 20°C)	-----	2.0	mg/L	-----	≤20	25.1	123	46.0	
EN0048	Bangkok	Oil & Grease	-----	3	mg/L	-----	≤20	4	14	9	
EN0021	Bangkok	pH at 25°C	-----	1.0	pH Unit	-----	5-9	7.5	7.7	7.9	
EN0032	Bangkok	Sulfides	-----	0.5	mg/L	-----	≤1	<0.5 *	21.3 *	0.8 *	
EN0035	Bangkok	Total Kjeldahl Nitrogen as N	0.15	1.0	mg/L	-----	≤35	38.3	91.8	91.1	
Microbiological Parameters											
MC6010	Bangkok	Total Coliforms	-----	-----	MPN/100mL	-----	-----	130000	490000	330000	
MC6022	Bangkok	Fecal Coliforms	-----	-----	MPN/100mL	-----	-----	-----	330000	-----	
Physical and Aggregate Properties											
EN0093	Bangkok	Settleable Solids	-----	0.1	mL/L/hr	-----	≤0.5	<0.1 *	0.7 *	<0.1 *	
EN0099	Bangkok	Total Dissolved Solids at 103-105°C	-----	5	mg/L	-----	≤500	684	488	464	
EN0102	Bangkok	Total Suspended Solids	-----	5	mg/L	-----	≤30	38	46	25	



Analysis Report BK2404440

Report Number : BK2404440-AB



TESTING
No.0009

Sub-Matrix: WASTEWATER
(Matrix: WATER)

Client Sample ID

Sub-Matrix: WASTEWATER (Matrix: WATER)											
Client Sample ID						Station B : Before treatment of wastewater system			Station B : After treatment of wastewater system		
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date		Guideline	Result	Result	Result
						MNRE 2548	Type A				
Chemical Parameters											
EN0044	Bangkok	BOD (5 days at 20°C)	-----	2.0	mg/L	-----	≤20	74.6		48.4	189
EN0048	Bangkok	Oil & Grease	-----	3	mg/L	-----	≤20	14		4	132
EN0021	Bangkok	pH at 25°C	-----	1.0	pH Unit	-----	5-9	7.7		7.6	7.7
EN0032	Bangkok	Sulfides	-----	0.5	mg/L	-----	≤1	12.4 *		0.6 *	20.1 *
EN0035	Bangkok	Total Kjeldahl Nitrogen as N	0.15	1.0	mg/L	-----	≤35	53.7		39.7	86.0
Microbiological Parameters											
MC6010	Bangkok	Total Coliforms	-----	-----	MPN/100mL	-----	-----	330000		330000	2400000
MC6022	Bangkok	Fecal Coliforms	-----	-----	MPN/100mL	-----	-----	240000		-----	1300000
Physical and Aggregate Properties											
EN0093	Bangkok	Settleable Solids	-----	0.1	mL/L/hr	-----	≤0.5	<0.1 *		<0.1 *	11 *
EN0099	Bangkok	Total Dissolved Solids at 103-105°C	-----	5	mg/L	-----	≤500	784		704	472
EN0102	Bangkok	Total Suspended Solids	-----	5	mg/L	-----	≤30	25		42	270



Analysis Report BK2404440

Report Number : BK2404440-AB



TESTING
No.0009

Sub-Matrix: WASTEWATER
(Matrix: WATER)

Client Sample ID

Sub-Matrix: WASTEWATER (Matrix: WATER)					Client Sample ID		สถานี C : บ่อสูบน้ำทิ้งของ ระบบบำบัดน้ำเสียแต่ละชุด : หลังบำบัด		
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date		Result	
						Guideline			
						MNRE 2548 Type A			
Chemical Parameters									
EN0044	Bangkok	BOD (5 days at 20°C)		2.0	mg/L	≤20		49.0	
EN0048	Bangkok	Oil & Grease		3	mg/L	≤20		14	
EN0021	Bangkok	pH at 25°C		1.0	pH Unit	5-9		7.8	
EN0032	Bangkok	Sulfides		0.5	mg/L	≤1		1.0 *	
EN0035	Bangkok	Total Kjeldahl Nitrogen as N	0.15	1.0	mg/L	≤35		78.5	
Microbiological Parameters									
MC6010	Bangkok	Total Coliforms			MPN/100mL			1700000	
Physical and Aggregate Properties									
EN0093	Bangkok	Settleable Solids		0.1	mL/L/hr	≤0.5		<0.1 *	
EN0099	Bangkok	Total Dissolved Solids at 103-105°C		5	mg/L	≤500		436	
EN0102	Bangkok	Total Suspended Solids		5	mg/L	≤30		17	

Guideline: MNRE 2548 Type A: Building: Notification of The Ministry of Natural Resources and Environment on Effluent from building Type A (Guideline for TDS are in addition to the TDS of the water used not more than 500 mg/L)
Comment: The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

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

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

----- END OF REPORT -----



Analysis Report BK2404440



TESTING
No.0009

Client : Atmozlandprao 15 Juristic Person
477 Lat Phrao 15, Chom Phon, Chatuchak, Bangkok, Thailand, 10900
P/O : ---
Project : EIA
Project Location: Atmozlandprao 15 Juristic Person

Work Order : BK2404440
Report Number : BK2404440-AB
Date Received : Mar 11, 2024
Date Reported : Mar 18, 2024
Date Analysis Commenced : Mar 12, 2024
No. of samples received : 7
Temperature : 2.0 °C
Sampled by : Pichai Boonyong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report 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.

Signatories

Siriluk P.

Siriluk Bunnak
Section Head

ALS Laboratory Group (Thailand) Co.,Ltd. Bangkok Life Sciences

104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand T +662 760 3000



Analysis Report BK2404440

Report Number : BK2404440-AB



TESTING
No.0009

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
BK2404440-002	ปัดตรวจสอสมดุลภาพน้ำทั้งก่อนเปลี่ยนออกสู่ภายนอก โครงการ	----	----	2x 1L Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, refrigerated
BK2404440-003	สถานี A : ป้อนปรับสภาพน้ำของระบบบำบัดน้ำเสีย : ก่อนบำบัด	----	----	2x 1L Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, refrigerated
BK2404440-004	สถานี A : ป้อนน้ำทั้งของระบบบำบัดน้ำเสียแต่ละชุด : หลังบำบัด	----	----	2x 1L Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, refrigerated
BK2404440-005	สถานี B : ป้อนปรับสภาพน้ำของระบบบำบัดน้ำเสีย : ก่อนบำบัด	----	----	2x 1L Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, refrigerated
BK2404440-006	สถานี B : ป้อนน้ำทั้งของระบบบำบัดน้ำเสียแต่ละชุด : หลังบำบัด	----	----	2x 1L Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, refrigerated
BK2404440-007	สถานี C : ป้อนปรับสภาพน้ำของระบบบำบัดน้ำเสีย : ก่อนบำบัด	----	----	2x 1L Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, refrigerated
BK2404440-008	สถานี C : ป้อนน้ำทั้งของระบบบำบัดน้ำเสียแต่ละชุด : หลังบำบัด	----	----	2x 1L Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, refrigerated



Analysis Report BK2404440

Report Number : BK2404440-AB



TESTING
No.0009

Brief Method Summaries

The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

Method	Testing Lab	Method Descriptions
EN0021	Bangkok	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)
EN0032	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - S2 (C, F)
EN0035	Bangkok	In-house method : STM 04-100 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (D)
EN0044	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B and part 4500 - O (G)
EN0048	Bangkok	In - house method : STM 04-014 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B
EN0093	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 F
EN0099	Bangkok	In-house method : STM 04-010 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C
EN0102	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D
MC6010	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, Part 9221 B
MC6022	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E



Analysis Report BK2404440

Report Number : BK2404440-AB



TESTING
No.0009

Sub-Matrix: WASTEWATER
(Matrix: WATER)

Client Sample ID

Sub-Matrix: WASTEWATER (Matrix: WATER)											
Client Sample ID						ปอดตรวจสอบคุณภาพน้ำทิ้งก่อนปล่อยออกสู่ภายนอกโครงการ		สถานี A : บ่อปรับสภาพน้ำของระบบบำบัดน้ำเสีย : ก่อนบำบัด		สถานี A : บ่อสูบน้ำทิ้งของระบบบำบัดน้ำเสียแต่ละชุด : หลังบำบัด	
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date		Result	Result	Result	Result
						MNRE 2548	Guideline				
Chemical Parameters											
EN0044	Bangkok	BOD (5 days at 20°C)	-----	2.0	mg/L	-----	≤20	25.1	123	46.0	
EN0048	Bangkok	Oil & Grease	-----	3	mg/L	-----	≤20	4	14	9	
EN0021	Bangkok	pH at 25°C	-----	1.0	pH Unit	-----	5-9	7.5	7.7	7.9	
EN0032	Bangkok	Sulfides	-----	0.5	mg/L	-----	≤1	<0.5 *	21.3 *	0.8 *	
EN0035	Bangkok	Total Kjeldahl Nitrogen as N	0.15	1.0	mg/L	-----	≤35	38.3	91.8	91.1	
Microbiological Parameters											
MC6010	Bangkok	Total Coliforms	-----	-----	MPN/100mL	-----	-----	130000	490000	330000	
MC6022	Bangkok	Fecal Coliforms	-----	-----	MPN/100mL	-----	-----	-----	330000	-----	
Physical and Aggregate Properties											
EN0093	Bangkok	Settleable Solids	-----	0.1	mL/L/hr	-----	≤0.5	<0.1 *	0.7 *	<0.1 *	
EN0099	Bangkok	Total Dissolved Solids at 103-105°C	-----	5	mg/L	-----	≤500	684	488	464	
EN0102	Bangkok	Total Suspended Solids	-----	5	mg/L	-----	≤30	38	46	25	



Analysis Report BK2404440

Report Number : BK2404440-AB



TESTING
No.0009

Sub-Matrix: WASTEWATER
(Matrix: WATER)

Client Sample ID

Sub-Matrix: WASTEWATER (Matrix: WATER)											
Client Sample ID						Station B : Before treatment of wastewater system			Station B : After treatment of wastewater system		
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date		Result	Result	Result	Result
						MNRE 2548	Guideline				
Chemical Parameters											
EN0044	Bangkok	BOD (5 days at 20°C)	-----	2.0	mg/L	-----	≤20	74.6		48.4	189
EN0048	Bangkok	Oil & Grease	-----	3	mg/L	-----	≤20	14		4	132
EN0021	Bangkok	pH at 25°C	-----	1.0	pH Unit	-----	5-9	7.7		7.6	7.7
EN0032	Bangkok	Sulfides	-----	0.5	mg/L	-----	≤1	12.4 *		0.6 *	20.1 *
EN0035	Bangkok	Total Kjeldahl Nitrogen as N	0.15	1.0	mg/L	-----	≤35	53.7		39.7	86.0
Microbiological Parameters											
MC6010	Bangkok	Total Coliforms	-----	-----	MPN/100mL	-----	-----	330000		330000	2400000
MC6022	Bangkok	Fecal Coliforms	-----	-----	MPN/100mL	-----	-----	240000		-----	1300000
Physical and Aggregate Properties											
EN0093	Bangkok	Settleable Solids	-----	0.1	mL/L/hr	-----	≤0.5	<0.1 *		<0.1 *	11 *
EN0099	Bangkok	Total Dissolved Solids at 103-105°C	-----	5	mg/L	-----	≤500	784		704	472
EN0102	Bangkok	Total Suspended Solids	-----	5	mg/L	-----	≤30	25		42	270



Analysis Report BK2404440

Report Number : BK2404440-AB



TESTING
No.0009

Sub-Matrix: WASTEWATER
(Matrix: WATER)

Client Sample ID

สถานที่ C : บ่อสูบน้ำทิ้งของ ระบบบำบัดน้ำเสียแต่ละชุด : หลังบำบัด					Sampling Date		Sampling Date		Sampling Date	
Mar 11, 2024 10:20 AM					BK2404440-008		Result			
MNRE 2548 Type A					Unit		LOQ		LOD	
Chemical Parameters					Analytes		Testing Lab		Method	
EN0044					Bangkok		BOD (5 days at 20°C)		2.0	
EN0048					Bangkok		Oil & Grease		3	
EN0021					Bangkok		pH at 25°C		1.0	
EN0032					Bangkok		Sulfides		0.5	
EN0035					Bangkok		Total Kjeldahl Nitrogen as N		0.15	
Microbiological Parameters					Total Coliforms		MPN/100mL		1700000	
MC6010					Bangkok		Settleable Solids		0.1	
Physical and Aggregate Properties					Total Dissolved Solids at 103-105°C		mg/L		5	
EN0093					Bangkok		Total Suspended Solids		5	
EN0099					Bangkok		Total Dissolved Solids at 103-105°C		5	
EN0102					Bangkok		Total Suspended Solids		5	

Guideline: MNRE 2548 Type A: Building: Notification of The Ministry of Natural Resources and Environment on Effluent from building Type A (Guideline for TDS are in addition to the TDS of the water used not more than 500 mg/L)
Comment: The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

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

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

----- END OF REPORT -----



Analysis Report BK2404441



TESTING
No.0009

Client : Atmozlandprao 15 Juristic Person
477 Lat Phrao 15, Chom Phon, Chatuchak, Bangkok, Thailand, 10900
P/O : ---
Project : EIA
Project Location: Atmozlandprao 15 Juristic Person

Work Order : BK2404441
Report Number : BK2404441-AA
Date Received : Mar 08, 2024
Date Reported : Mar 18, 2024
Date Analysis Commenced : Mar 09, 2024
No. of samples received : 4
Temperature : 2.0 °C
Sampled by : Pichai Boonyong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory.
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Signatories

Kittitee Jajumroon
Scientist (3)

ALS Laboratory Group (Thailand) Co.,Ltd. Bangkok Life Sciences

104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand T +662 760 3000



Analysis Report BK2404441

Report Number : BK2404441-AA



TESTING
No.0009

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
BK2404441-001	สระที่ 1 : บึงเวกส่วนต้น	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2404441-002	สระที่ 1 : บึงเวกส่วนเล็ก	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2404441-003	สระที่ 2 : บึงเวกส่วนต้น	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2404441-004	สระที่ 2 : บึงเวกส่วนเล็ก	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated

Brief Method Summaries

The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

Method	Testing Lab	Method Descriptions
MC6009	Bangkok	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B
MC6012	Bangkok	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B,F
MC6035	Bangkok	In-house method based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, Part 9213 F
MC6037	Bangkok	In-house method : STM 01-054 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, Part 9213 B



Analysis Report BK2404441

Report Number : BK2404441-AA



TESTING
No.0009

Sub-Matrix: PROCESS WATER
(Matrix: WATER)

Client Sample ID

Sub-Matrix: PROCESS WATER										สละที่ 2 : บริเวณส่วนต้น	
(Matrix: WATER)										สละที่ 1 : บริเวณส่วนเล็ก	
Client Sample ID										สละที่ 1 : บริเวณส่วนต้น	
Sampling Date										Mar 08, 2024 09:40 AM	
Guideline										Mar 08, 2024 09:45 AM	
MOPH 1/2550										BK2404441-001	
Unit										Result	
LOQ										BK2404441-002	
LOD										Result	
Analytes										BK2404441-003	
Testing Lab										Result	
Method										Result	
Microbiological Parameters										Result	
MC6009	Bangkok	Total Coliforms	MPN/100mL	<10	-----	-----	-----	<1.1	2.2	<1.1	
MC6012	Bangkok	Escherichia coli	in 100mL	Not Detected	-----	-----	-----	Not Detected	Not Detected	Not Detected	
MC6035	Bangkok	Pseudomonas aeruginosa	in 100mL	Not Detected	-----	-----	-----	Not Detected *	Not Detected *	Not Detected *	
MC6037	Bangkok	Staphylococcus aureus	in 100mL	Not Detected	-----	-----	-----	Not Detected	Not Detected	Not Detected	



Analysis Report BK2404441

Report Number : BK2404441-AA



TESTING
No.0009

Sub-Matrix: PROCESS WATER

(Matrix: WATER)

Client Sample ID

ครั้งที่ 2 : บริเวณส่วนลึก

Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date		Result	
						MOPH	Guideline		
Microbiological Parameters									
MC6009	Bangkok	Total Coliforms			MPN/100mL	<10		<1.1	
MC6012	Bangkok	Escherichia coli			in 100mL	Not Detected		Not Detected	
MC6035	Bangkok	Pseudomonas aeruginosa			in 100mL	Not Detected		Not Detected *	
MC6037	Bangkok	Staphylococcus aureus			in 100mL	Not Detected		Not Detected	

Guideline: MOPH 1/2550: Recommendations of The Public Health Committee on Swimming Pool Operations

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

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

Key:

◦ LOD : Limit of Detection

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

◦ Result(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

----- END OF REPORT -----



Analysis Report BK2404495



TESTING
No.0009

Client : Atmozlandprao 15 Juristic Person
477 Lat Phrao 15, Chom Phon, Chatuchak, Bangkok, Thailand, 10900
P/O : ---
Project : EIA
Project Location: Atmozlandprao 15 Juristic Person

Work Order : BK2404495
Report Number : BK2404495-AA
Date Received : Mar 11, 2024
Date Reported : Mar 20, 2024
Date Analysis Commenced : Mar 12, 2024
No. of samples received : 4
Temperature : 2.0 °C
Sampled by : Pichai Boonyong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory.
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Signatories

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104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand T +662 760 3000



Analysis Report BK2404495

Report Number : BK2404495-AA



TESTING
No.0009

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
BK2404495-001	สระที่ 1 : บึงเวกส่วนต้น	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2404495-002	สระที่ 1 : บึงเวกส่วนเล็ก	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2404495-003	สระที่ 2 : บึงเวกส่วนต้น	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2404495-004	สระที่ 2 : บึงเวกส่วนเล็ก	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated

Brief Method Summaries

The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

Method	Testing Lab	Method Descriptions
MC6009	Bangkok	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B
MC6012	Bangkok	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B,F
MC6035	Bangkok	In-house method based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, Part 9213 F
MC6037	Bangkok	In-house method : STM 01-054 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, Part 9213 B



Analysis Report BK2404495

Report Number : BK2404495-AA



TESTING
No.0009

Sub-Matrix: PROCESS WATER
(Matrix: WATER)

Client Sample ID

Sub-Matrix: PROCESS WATER										สละที่ 2 : บริเวณส่วนต้น	
(Matrix: WATER)										สละที่ 1 : บริเวณส่วนเล็ก	
Client Sample ID										สละที่ 1 : บริเวณส่วนต้น	
Sampling Date										Mar 11, 2024 10:30 AM	
Guideline										Mar 11, 2024 10:32 AM	
MOPH 1/2550										BK2404495-001	
Result										BK2404495-002	
Result										BK2404495-003	
Microbiological Parameters											
MC6009	Bangkok	Total Coliforms	MPN/100mL	<10	-----	-----	-----	-----	<1.1	<1.1	<1.1
MC6012	Bangkok	Escherichia coli	in 100mL	Not Detected	-----	-----	-----	-----	Not Detected	Not Detected	Not Detected
MC6035	Bangkok	Pseudomonas aeruginosa	in 100mL	Not Detected	-----	-----	-----	-----	Not Detected *	Not Detected *	Not Detected *
MC6037	Bangkok	Staphylococcus aureus	in 100mL	Not Detected	-----	-----	-----	-----	Not Detected	Not Detected	Not Detected



Analysis Report BK2404495

Report Number : BK2404495-AA



TESTING
No.0009

Sub-Matrix: PROCESS WATER

(Matrix: WATER)

Client Sample ID

ครั้งที่ 2 : บริเวณส่วนลึก

Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date			
						Guideline			
						MOPH		Result	
						1/2550			
Microbiological Parameters									
MC6009	Bangkok	Total Coliforms			MPN/100mL	<10		<1.1	
MC6012	Bangkok	Escherichia coli			in 100mL	Not Detected		Not Detected	
MC6035	Bangkok	Pseudomonas aeruginosa			in 100mL	Not Detected		Not Detected *	
MC6037	Bangkok	Staphylococcus aureus			in 100mL	Not Detected		Not Detected	

Guideline: MOPH 1/2550: Recommendations of The Public Health Committee on Swimming Pool Operations

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

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

Key:

◦ LOD : Limit of Detection

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

◦ Result(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

----- END OF REPORT -----



Analysis Report BK2404921



TESTING
No.0009

Client : Atmozlandprao 15 Juristic Person
477 Lat Phrao 15, Chom Phon, Chatuchak, Bangkok, Thailand, 10900
P/O : ---
Project : EIA
Project Location: Atmozlandprao 15 Juristic Person

Work Order : BK2404921
Report Number : BK2404921-AA
Date Received : Mar 18, 2024
Date Reported : Mar 28, 2024
Date Analysis Commenced : Mar 19, 2024
No. of samples received : 4
Temperature : 2.0 °C
Sampled by : Pichai Boonyong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory.
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Signatories

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104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand T +662 760 3000



Analysis Report BK2404921

Report Number : BK2404921-AA



TESTING
No.0009

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
BK2404921-001	สระที่ 1 : บริเวณส่วนต้น	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2404921-002	สระที่ 1 : บริเวณส่วนเล็ก	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2404921-003	สระที่ 2 : บริเวณส่วนต้น	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2404921-004	สระที่ 2 : บริเวณส่วนเล็ก	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated

Brief Method Summaries

The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

Method	Testing Lab	Method Descriptions
MC6009	Bangkok	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B
MC6012	Bangkok	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B,F
MC6035	Bangkok	In-house method based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, Part 9213 F
MC6037	Bangkok	In-house method : STM 01-054 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, Part 9213 B



Analysis Report BK2404921

Report Number : BK2404921-AA



TESTING
No.0009

Sub-Matrix: PROCESS WATER
(Matrix: WATER)

Client Sample ID

Sub-Matrix: PROCESS WATER										สละที่ 2 : บริเวณส่วนต้น	
(Matrix: WATER)										สละที่ 1 : บริเวณส่วนเล็ก	
Client Sample ID										สละที่ 1 : บริเวณส่วนต้น	
Sampling Date										Mar 18, 2024 11:00 AM	
Guideline										Mar 18, 2024 11:05 AM	
MOPH 1/2550										BK2404921-001	
Result										BK2404921-002	
Result										BK2404921-003	
Microbiological Parameters										Result	
MC6009	Bangkok	Total Coliforms	MPN/100mL	<10	-----	-----	-----	-----	<1.1	<1.1	2.2
MC6012	Bangkok	Escherichia coli	in 100mL	Not Detected	-----	-----	-----	-----	Not Detected	Not Detected	Not Detected
MC6035	Bangkok	Pseudomonas aeruginosa	in 100mL	Not Detected	-----	-----	-----	-----	Not Detected *	Not Detected *	Detected *
MC6037	Bangkok	Staphylococcus aureus	in 100mL	Not Detected	-----	-----	-----	-----	Not Detected	Not Detected	Not Detected



Analysis Report BK2404921

Report Number : BK2404921-AA



TESTING
No.0009

Sub-Matrix: PROCESS WATER

(Matrix: WATER)

Client Sample ID

ครั้งที่ 2 : บริเวณส่วนลึก

Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date			
						Guideline			
						MOPH			
						1/2550		Result	
Microbiological Parameters									
MC6009	Bangkok	Total Coliforms			MPN/100mL	<10		2.2	
MC6012	Bangkok	Escherichia coli			in 100mL	Not Detected		Not Detected	
MC6035	Bangkok	Pseudomonas aeruginosa			in 100mL	Not Detected		Detected *	
MC6037	Bangkok	Staphylococcus aureus			in 100mL	Not Detected		Not Detected	

Guideline: MOPH 1/2550: Recommendations of The Public Health Committee on Swimming Pool Operations

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

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

Key:

◦ LOD : Limit of Detection

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

◦ Result(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

----- END OF REPORT -----



Analysis Report BK2405098



TESTING
No.0009

Client : Atmozlandprao 15 Juristic Person
477 Lat Phrao 15, Chom Phon, Chatuchak, Bangkok, Thailand, 10900
P/O : ---
Project : EIA
Project Location: Atmozlandprao 15 Juristic Person

Work Order : BK2405098
Report Number : BK2405098-AA
Date Received : Mar 25, 2024
Date Reported : Apr 04, 2024
Date Analysis Commenced : Mar 26, 2024
No. of samples received : 4
Temperature : 2.0 °C
Sampled by : Pichai Boonyong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory.
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Signatories

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104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand T +662 760 3000



Analysis Report BK2405098

Report Number : BK2405098-AA



TESTING
No.0009

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
BK2405098-001	สระที่ 1 : บึงเวกส่วนต้น	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2405098-002	สระที่ 1 : บึงเวกส่วนเล็ก	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2405098-003	สระที่ 2 : บึงเวกส่วนต้น	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2405098-004	สระที่ 2 : บึงเวกส่วนเล็ก	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated

Brief Method Summaries

The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

Method	Testing Lab	Method Descriptions
MC6009	Bangkok	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B
MC6012	Bangkok	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B,F
MC6035	Bangkok	In-house method based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, Part 9213 F
MC6037	Bangkok	In-house method : STM 01-054 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, Part 9213 B



Analysis Report BK2405098

Report Number : BK2405098-AA



TESTING
No.0009

Sub-Matrix: PROCESS WATER
(Matrix: WATER)

Client Sample ID

Sub-Matrix: PROCESS WATER (Matrix: WATER)										Client Sample ID		สละที่ 1 : บริเวณส่วนต้น		สละที่ 1 : บริเวณส่วนเล็ก		สละที่ 2 : บริเวณส่วนต้น			
				Sampling Date						Mar 25, 2024 10:48 AM		Mar 25, 2024 10:50 AM		Mar 25, 2024 11:00 AM					
Method		Testing Lab		Analytes		LOD		LOQ		Unit		Guideline		Result		BK2405098-002		BK2405098-003	
												MOPH 1/2550		Result				Result	
Microbiological Parameters																			
MC6009		Bangkok		Total Coliforms		-----		-----		MPN/100mL		<10		<1.1		<1.1		23	
MC6012		Bangkok		Escherichia coli		-----		-----		in 100mL		Not Detected		Not Detected		Not Detected		Not Detected	
MC6035		Bangkok		Pseudomonas aeruginosa		-----		-----		in 100mL		Not Detected		Not Detected *		Not Detected *		Detected *	
MC6037		Bangkok		Staphylococcus aureus		-----		-----		in 100mL		Not Detected		Not Detected		Not Detected		Not Detected	



Analysis Report BK2405098

Report Number : BK2405098-AA



TESTING
No.0009

Sub-Matrix: PROCESS WATER

(Matrix: WATER)

Client Sample ID

ครั้งที่ 2 : บริเวณส่วนลึก

Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date			
						Guideline			
						MOPH		Result	
						1/2550			
Microbiological Parameters									
MC6009	Bangkok	Total Coliforms			MPN/100mL	<10		1.1	
MC6012	Bangkok	Escherichia coli			in 100mL	Not Detected		Not Detected	
MC6035	Bangkok	Pseudomonas aeruginosa			in 100mL	Not Detected		Not Detected *	
MC6037	Bangkok	Staphylococcus aureus			in 100mL	Not Detected		Not Detected	

Guideline: MOPH 1/2550: Recommendations of The Public Health Committee on Swimming Pool Operations

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

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

Key:

◦ LOD : Limit of Detection

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

◦ Result(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

----- END OF REPORT -----



Analysis Report BK2405398



TESTING
No.0009

Client : Atmozlandprao 15 Juristic Person
477 Lat Phrao 15, Chom Phon, Chatuchak, Bangkok, Thailand, 10900
P/O : ---
Project : EIA
Project Location: Atmozlandprao 15 Juristic Person

Work Order : BK2405398
Report Number : BK2405398-AA
Date Received : Apr 01, 2024
Date Reported : Apr 10, 2024
Date Analysis Commenced : Apr 02, 2024
No. of samples received : 4
Temperature : 2.0 °C
Sampled by : Pichai Boonyong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory.
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Signatories

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Analysis Report BK2405398

Report Number : BK2405398-AA



TESTING
No.0009

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
BK2405398-001	สระที่ 1 : บึงเวกส่วนต้น	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2405398-002	สระที่ 1 : บึงเวกส่วนเล็ก	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2405398-003	สระที่ 2 : บึงเวกส่วนต้น	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2405398-004	สระที่ 2 : บึงเวกส่วนเล็ก	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated

Brief Method Summaries

The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

Method	Testing Lab	Method Descriptions
MC6009	Bangkok	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B
MC6012	Bangkok	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B,F
MC6035	Bangkok	In-house method based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, Part 9213 F
MC6037	Bangkok	In-house method : STM 01-054 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, Part 9213 B



Analysis Report BK2405398

Report Number : BK2405398-AA



TESTING
No.0009

Sub-Matrix: PROCESS WATER
(Matrix: WATER)

Client Sample ID

Sub-Matrix: PROCESS WATER										สละที่ 1 : บริเวณส่วนต้น		สละที่ 1 : บริเวณส่วนเล็ก		สละที่ 2 : บริเวณส่วนต้น			
(Matrix: WATER)										Client Sample ID							
										Sampling Date							
Method		Testing Lab		Analytes		LOD		LOQ		Unit		Guideline		Result		Result	
												MOPH 1/2550					
Microbiological Parameters																	
MC6009		Bangkok		Total Coliforms						MPN/100mL		<10		<1.1		<1.1	
MC6012		Bangkok		Escherichia coli						in 100mL		Not Detected		Not Detected		Not Detected	
MC6035		Bangkok		Pseudomonas aeruginosa						in 100mL		Not Detected		Not Detected *		Not Detected *	
MC6037		Bangkok		Staphylococcus aureus						in 100mL		Not Detected		Not Detected		Detected	



Analysis Report BK2405398

Report Number : BK2405398-AA



TESTING
No.0009

Sub-Matrix: PROCESS WATER

(Matrix: WATER)

Client Sample ID

ครั้งที่ 2 : บริเวณส่วนลึก

Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date		Result		
						MOPH	Guideline			
Microbiological Parameters										
MC6009	Bangkok	Total Coliforms			MPN/100mL	<10		<1.1		
MC6012	Bangkok	Escherichia coli			in 100mL	Not Detected		Not Detected		
MC6035	Bangkok	Pseudomonas aeruginosa			in 100mL	Not Detected		Not Detected *		
MC6037	Bangkok	Staphylococcus aureus			in 100mL	Not Detected		Not Detected		

Guideline: MOPH 1/2550: Recommendations of The Public Health Committee on Swimming Pool Operations

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

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

Key:

◦ LOD : Limit of Detection

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

◦ Result(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

----- END OF REPORT -----



Analysis Report BK2405412



Accreditation No.1031/47

Client : Atmozlandprao 15 Juristic Person
477 Lat Phrao 15, Chom Phon, Chatuchak, Bangkok, Thailand, 10900
P/O : ---
Project : EIA
Project Location: Atmozlandprao 15 Juristic Person

Work Order : BK2405412
Report Number : BK2405412-AA
Date Received : Apr 01, 2024
Date Reported : Apr 07, 2024
Date Analysis Commenced : Apr 02, 2024
No. of samples received : 1
Temperature : 2.0 °C
Sampled by : Pichai Boonyong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory.
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Signatories

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Analysis Report BK2405412

Report Number : BK2405412-AA



Accreditation No.1031/47

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
BK2405412-001	Consumption Water	----	----	1x 500mL Plastic Bottle, refrigerated

Brief Method Summaries

The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

Method	Testing Lab	Method Descriptions
END100	Bangkok	In-house method : STM 04-011 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C



Analysis Report BK2405412

Report Number : BK2405412-AA



Accreditation No.1031/47

Sub-Matrix: PROCESS WATER
(Matrix: WATER)

Client Sample ID

Consumption Water

Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date		Result		
						Guideline				
EN0100	Bangkok	Total Dissolved Solids at 180°C	----	5	mg/L	----		186	----	----

Physical and Aggregate Properties

Guideline: ----

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

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

Key: ° LOD : Limit of Detection

° "≤" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

----- END OF REPORT -----



Analysis Report BK2405412



TESTING
No.0009

Client : Atmozlandprao 15 Juristic Person
477 Lat Phrao 15, Chom Phon, Chatuchak, Bangkok, Thailand, 10900
P/O : ---
Project : EIA
Project Location: Atmozlandprao 15 Juristic Person

Work Order : BK2405412
Report Number : BK2405412-AB
Date Received : Apr 01, 2024
Date Reported : Apr 07, 2024
Date Analysis Commenced : Apr 01, 2024
No. of samples received : 7
Temperature : 2.0 °C
Sampled by : Pichai Boonyong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory.
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Signatories

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Scientist (3)

ALS Laboratory Group (Thailand) Co.,Ltd. Bangkok Life Sciences

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Analysis Report BK2405412

Report Number : BK2405412-AB



TESTING
No.0009

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
BK2405412-002	บ่อตรวจสอบคุณภาพน้ำทิ้งก่อนปล่อยออกสู่ภายนอก โครงการ	----	----	1x 500mL Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, 1x 1L Plastic Bottle, refrigerated
BK2405412-003	สถานี A : บ่อปรับสภาพน้ำของระบบบำบัดน้ำเสีย : ก่อนบำบัด	----	----	1x 500mL Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, 1x 1L Plastic Bottle, refrigerated
BK2405412-004	สถานี A : บ่อสูบน้ำทิ้งของระบบบำบัดน้ำเสียแต่ละชุด : หลังบำบัด	----	----	1x 500mL Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, 1x 1L Plastic Bottle, refrigerated
BK2405412-005	สถานี B : บ่อปรับสภาพน้ำของระบบบำบัดน้ำเสีย : ก่อนบำบัด	----	----	1x 500mL Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, 1x 1L Plastic Bottle, refrigerated
BK2405412-006	สถานี B : บ่อสูบน้ำทิ้งของระบบบำบัดน้ำเสียแต่ละชุด : หลังบำบัด	----	----	1x 500mL Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, 1x 1L Plastic Bottle, refrigerated
BK2405412-007	สถานี C : บ่อปรับสภาพน้ำของระบบบำบัดน้ำเสีย : ก่อนบำบัด	----	----	1x 500mL Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, 1x 1L Plastic Bottle, refrigerated
BK2405412-008	สถานี C : บ่อสูบน้ำทิ้งของระบบบำบัดน้ำเสียแต่ละชุด : หลังบำบัด	----	----	1x 500mL Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, 1x 1L Plastic Bottle, refrigerated



Analysis Report BK2405412

Report Number : BK2405412-AB



TESTING
No.0009

Brief Method Summaries

The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

Method	Testing Lab	Method Descriptions
EN0021	Bangkok	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)
EN0032	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - S2 (C, F)
EN0035	Bangkok	In-house method : STM 04-100 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (D)
EN0044	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B and part 4500 - O (G)
EN0048	Bangkok	In - house method : STM 04-014 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B
EN0093	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 F
EN0099	Bangkok	In-house method : STM 04-010 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C
EN0102	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D
MC6010	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, Part 9221 B
MC6022	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E



Analysis Report BK2405412

Report Number : BK2405412-AB



TESTING
No.0009

Sub-Matrix: WASTEWATER
(Matrix: WATER)

Client Sample ID

Sub-Matrix: WASTEWATER											
(Matrix: WATER)											
Client Sample ID						ปอดตรวจสอบคุณภาพน้ำทั้งก่อนปล่อยออกสู่ภายนอกโครงการ		สถานี A : บ่อปรับสภาพน้ำของระบบบำบัดน้ำเสีย : ก่อนบำบัด		สถานี A : บ่อสูบน้ำทิ้งของระบบบำบัดน้ำเสียแต่ละชุด : หลังบำบัด	
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date		Result	Result	Result	Result
						MNRE 2548 Type A	Guideline				
Chemical Parameters											
EN0044	Bangkok	BOD (5 days at 20°C)	-----	2.0	mg/L	-----	≤20	26.5	108	42.9	
EN0048	Bangkok	Oil & Grease	-----	3	mg/L	-----	≤20	7	16	9	
EN0021	Bangkok	pH at 25°C	-----	1.0	pH Unit	-----	5-9	7.8	7.4	7.5	
EN0032	Bangkok	Sulfides	-----	0.5	mg/L	-----	≤1	<0.5 *	5.2 *	0.8 *	
EN0035	Bangkok	Total Kjeldahl Nitrogen as N	0.15	1.0	mg/L	-----	≤35	40.6	99.9	97.8	
Microbiological Parameters											
MC6010	Bangkok	Total Coliforms	-----	-----	MPN/100mL	-----	-----	1300000	13000000	2200000	
MC6022	Bangkok	Fecal Coliforms	-----	-----	MPN/100mL	-----	-----	-----	3300000	-----	
Physical and Aggregate Properties											
EN0093	Bangkok	Settleable Solids	-----	0.1	mL/L/hr	-----	≤0.5	<0.1 *	0.2 *	<0.1 *	
EN0099	Bangkok	Total Dissolved Solids at 103-105°C	-----	5	mg/L	-----	≤500	448	372	376	
EN0102	Bangkok	Total Suspended Solids	-----	5	mg/L	-----	≤30	13	42	29	



Analysis Report BK2405412

Report Number : BK2405412-AB



TESTING
No.0009

Sub-Matrix: WASTEWATER
(Matrix: WATER)

Client Sample ID

Sub-Matrix: WASTEWATER											
(Matrix: WATER)											
Client Sample ID						Station B : before treatment of wastewater			Station B : after treatment of wastewater		
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date		Result	Result	Result	Result
						Guideline					
MNRE 2548 Type A											
Chemical Parameters											
EN0044	Bangkok	BOD (5 days at 20°C)	-----	2.0	mg/L	-----	≤20	113		34.2	252
EN0048	Bangkok	Oil & Grease	-----	3	mg/L	-----	≤20	16		4	54
EN0021	Bangkok	pH at 25°C	-----	1.0	pH Unit	-----	5-9	7.5		7.6	7.5
EN0032	Bangkok	Sulfides	-----	0.5	mg/L	-----	≤1	14.8 *		<0.5 *	15.2 *
EN0035	Bangkok	Total Kjeldahl Nitrogen as N	0.15	1.0	mg/L	-----	≤35	64.1		42.3	97.1
Microbiological Parameters											
MC6010	Bangkok	Total Coliforms	-----	-----	MPN/100mL	-----	-----	7000000		1700000	3300000
MC6022	Bangkok	Fecal Coliforms	-----	-----	MPN/100mL	-----	-----	2200000		-----	2400000
Physical and Aggregate Properties											
EN0093	Bangkok	Settleable Solids	-----	0.1	mL/L/hr	-----	≤0.5	<0.1 *		<0.1 *	7 *
EN0099	Bangkok	Total Dissolved Solids at 103-105°C	-----	5	mg/L	-----	≤500	388		508	356
EN0102	Bangkok	Total Suspended Solids	-----	5	mg/L	-----	≤30	28		26	236



Analysis Report BK2405412

Report Number : BK2405412-AB



TESTING
No.0009

Sub-Matrix: WASTEWATER
(Matrix: WATER)

Client Sample ID

Sub-Matrix: WASTEWATER (Matrix: WATER)										
Client Sample ID				Sampling Date		สถานี C : บ่อสูบน้ำทิ้งของ ระบบบำบัดน้ำเสียแต่ละชุด : หลังบำบัด				
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Guideline		BK2405412-008	Result	
						MNRE 2548	Type A			
Chemical Parameters										
EN0044	Bangkok	BOD (5 days at 20°C)		2.0	mg/L	≤20		40.7		
EN0048	Bangkok	Oil & Grease		3	mg/L	≤20		10		
EN0021	Bangkok	pH at 25°C		1.0	pH Unit	5-9		7.5		
EN0032	Bangkok	Sulfides		0.5	mg/L	≤1		11.8 *		
EN0035	Bangkok	Total Kjeldahl Nitrogen as N	0.15	1.0	mg/L	≤35		71.5		
Microbiological Parameters										
MC6010	Bangkok	Total Coliforms			MPN/100mL			3300000		
Physical and Aggregate Properties										
EN0093	Bangkok	Settleable Solids		0.1	mL/L/hr	≤0.5		<0.1 *		
EN0099	Bangkok	Total Dissolved Solids at 103-105°C		5	mg/L	≤500		312		
EN0102	Bangkok	Total Suspended Solids		5	mg/L	≤30		21		

Guideline: MNRE 2548 Type A: Building: Notification of The Ministry of Natural Resources and Environment on Effluent from building Type A (Guideline for TDS are in addition to the TDS of the water used not more than 500 mg/L)
Comment: The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

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

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

----- END OF REPORT -----



Analysis Report BK2405977



TESTING
No.0009

Client : Atmozlandprao 15 Juristic Person
477 Lat Phrao 15, Chom Phon, Chatuchak, Bangkok, Thailand, 10900
P/O : ---
Project : EIA
Project Location: Atmozlandprao 15 Juristic Person

Work Order : **BK2405977**
Report Number : BK2405977-AA
Date Received : Apr 09, 2024
Date Reported : Apr 22, 2024
Date Analysis Commenced : Apr 10, 2024
No. of samples received : 4
Temperature : 2.0 °C
Sampled by : Pichai Boonyong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory.
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Signatories

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104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand T +662 760 3000



Analysis Report BK2405977

Report Number : BK2405977-AA



TESTING
No.0009

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
BK2405977-001	สระที่ 1 : บึงเวกส่วนต้น	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2405977-002	สระที่ 1 : บึงเวกส่วนเล็ก	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2405977-003	สระที่ 2 : บึงเวกส่วนต้น	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2405977-004	สระที่ 2 : บึงเวกส่วนเล็ก	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated

Brief Method Summaries

The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

Method	Testing Lab	Method Descriptions
MC6009	Bangkok	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B
MC6012	Bangkok	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B,F
MC6035	Bangkok	In-house method based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, Part 9213 F
MC6037	Bangkok	In-house method : STM 01-054 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, Part 9213 B



Analysis Report BK2405977

Report Number : BK2405977-AA



TESTING
No.0009

Sub-Matrix: PROCESS WATER
(Matrix: WATER)

Client Sample ID

Sub-Matrix: PROCESS WATER											
(Matrix: WATER)											
Client Sample ID											
		Sampling Date				สละที่ 1 : บริเวณส่วนต้น		สละที่ 1 : บริเวณส่วนเล็ก		สละที่ 2 : บริเวณส่วนต้น	
						Apr 09, 2024 09:50 AM		Apr 09, 2024 09:55 AM		Apr 09, 2024 09:57 AM	
						BK2405977-001		BK2405977-002		BK2405977-003	
						Result		Result		Result	
				</							



Analysis Report BK2405977

Report Number : BK2405977-AA



TESTING
No.0009

Sub-Matrix: PROCESS WATER

(Matrix: WATER)

Client Sample ID

ครั้งที่ 2 : บริเวณส่วนลึก

Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date		Result		
						MOPH	Guideline			
Microbiological Parameters										
MC6009	Bangkok	Total Coliforms			MPN/100mL	<10		<1.1		
MC6012	Bangkok	Escherichia coli			in 100mL	Not Detected		Not Detected		
MC6035	Bangkok	Pseudomonas aeruginosa			in 100mL	Not Detected		Detected *		
MC6037	Bangkok	Staphylococcus aureus			in 100mL	Not Detected		Not Detected		

Guideline: MOPH 1/2550: Recommendations of The Public Health Committee on Swimming Pool Operations

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

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

Key:

◦ LOD : Limit of Detection

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

◦ Result(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

----- END OF REPORT -----



Analysis Report BK2406467



TESTING
No.0009

Client : Atmozlandprao 15 Juristic Person
477 Lat Phrao 15, Chom Phon, Chatuchak, Bangkok, Thailand, 10900
P/O : ---
Project : EIA
Project Location: Atmozlandprao 15 Juristic Person

Work Order : BK2406467
Report Number : BK2406467-AA
Date Received : Apr 18, 2024
Date Reported : Apr 26, 2024
Date Analysis Commenced : Apr 19, 2024
No. of samples received : 4
Temperature : 2.0 °C
Sampled by : Pichai Boonyong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report 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.

Signatories

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Analysis Report BK2406467

Report Number : BK2406467-AA



TESTING
No.0009

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
BK2406467-001	สระที่ 1 : บึงเวกส่วนต้น	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2406467-002	สระที่ 1 : บึงเวกส่วนเล็ก	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2406467-003	สระที่ 2 : บึงเวกส่วนต้น	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2406467-004	สระที่ 2 : บึงเวกส่วนเล็ก	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated

Brief Method Summaries

The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

Method	Testing Lab	Method Descriptions
MC6009	Bangkok	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B
MC6012	Bangkok	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B,F
MC6035	Bangkok	In-house method based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, Part 9213 F
MC6037	Bangkok	In-house method : STM 01-054 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, Part 9213 B



Analysis Report BK2406467

Report Number : BK2406467-AA



TESTING
No.0009

Sub-Matrix: PROCESS WATER
(Matrix: WATER)

Client Sample ID

Sub-Matrix: PROCESS WATER (Matrix: WATER)										Client Sample ID	สละที่ 1 : บริเวณส่วนต้น	สละที่ 1 : บริเวณส่วนเล็ก	สละที่ 2 : บริเวณส่วนต้น	
										Sampling Date				
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Guideline		Result	Result	Result	BK2406467-001	BK2406467-002	BK2406467-003	
										MOPH	1/2550			
Microbiological Parameters														
MC6009	Bangkok	Total Coliforms	-----	-----	MPN/100mL	<10	-----	<1.1	<1.1	<1.1				
MC6012	Bangkok	Escherichia coli	-----	-----	in 100mL	Not Detected	-----	Not Detected	Not Detected	Not Detected				
MC6035	Bangkok	Pseudomonas aeruginosa	-----	-----	in 100mL	Not Detected	-----	Not Detected *	Not Detected *	Not Detected *				
MC6037	Bangkok	Staphylococcus aureus	-----	-----	in 100mL	Not Detected	-----	Not Detected	Not Detected	Not Detected				



Analysis Report BK2406467

Report Number : BK2406467-AA



TESTING
No.0009

Sub-Matrix: PROCESS WATER

(Matrix: WATER)

Client Sample ID

ครั้งที่ 2 : บริเวณส่วนลึก

Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date			
						Guideline			
						MOPH		Result	
						1/2550			
Microbiological Parameters									
MC6009	Bangkok	Total Coliforms			MPN/100mL	<10		<1.1	
MC6012	Bangkok	Escherichia coli			in 100mL	Not Detected		Not Detected	
MC6035	Bangkok	Pseudomonas aeruginosa			in 100mL	Not Detected		Not Detected *	
MC6037	Bangkok	Staphylococcus aureus			in 100mL	Not Detected		Not Detected	

Guideline: MOPH 1/2550: Recommendations of The Public Health Committee on Swimming Pool Operations

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

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

Key:

◦ LOD : Limit of Detection

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

◦ Result(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

----- END OF REPORT -----



Analysis Report BK2406487



TESTING
No.0009

Client : Atmozlandprao 15 Juristic Person
477 Lat Phrao 15, Chom Phon, Chatuchak, Bangkok, Thailand, 10900
P/O : ---
Project : EIA
Project Location: Atmozlandprao 15 Juristic Person

Work Order : BK2406487
Report Number : BK2406487-AA
Date Received : Apr 22, 2024
Date Reported : Apr 29, 2024
Date Analysis Commenced : Apr 23, 2024
No. of samples received : 4
Temperature : 4.0 °C
Sampled by : Panupong Homewong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report 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.

Signatories

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Analysis Report BK2406487

Report Number : BK2406487-AA



TESTING
No.0009

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
BK2406487-001	สระที่ 1 : บึงเวกส่วนต้น	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2406487-002	สระที่ 1 : บึงเวกส่วนเล็ก	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2406487-003	สระที่ 2 : บึงเวกส่วนต้น	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2406487-004	สระที่ 2 : บึงเวกส่วนเล็ก	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated

Brief Method Summaries

The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

Method	Testing Lab	Method Descriptions
MC6009	Bangkok	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B
MC6012	Bangkok	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B,F
MC6035	Bangkok	In-house method based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, Part 9213 F
MC6037	Bangkok	In-house method : STM 01-054 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, Part 9213 B



Analysis Report BK2406487

Report Number : BK2406487-AA



TESTING
No.0009

Sub-Matrix: PROCESS WATER
(Matrix: WATER)

Client Sample ID

Sub-Matrix: PROCESS WATER										
(Matrix: WATER)										
Client Sample ID										
Sampling Date										
Analytes										
LOD										
LOQ										
Unit										
Guideline										
MOPH 1/2550										
Result										
BK2406487-001										
Result										
BK2406487-002										
Result										
BK2406487-003										
Result										
Microbiological Parameters										
MC6009	Bangkok	Total Coliforms	MPN/100mL	<10	-----	-----	<1.1	<1.1	<1.1	<1.1
MC6012	Bangkok	Escherichia coli	in 100mL	Not Detected	-----	-----	Not Detected	Not Detected	Not Detected	Not Detected
MC6035	Bangkok	Pseudomonas aeruginosa	in 100mL	Not Detected	-----	-----	Not Detected	Not Detected *	Not Detected *	Not Detected *
MC6037	Bangkok	Staphylococcus aureus	in 100mL	Not Detected	-----	-----	Not Detected	Not Detected	Not Detected	Not Detected



Analysis Report BK2406487

Report Number : BK2406487-AA



TESTING
No.0009

Sub-Matrix: PROCESS WATER

(Matrix: WATER)

Client Sample ID

ครั้งที่ 2 : บริเวณส่วนลึก

Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date		Apr 22, 2024 03:19 PM		
						Guideline				
						MOPH				
						1/2550		Result		
Microbiological Parameters										
MC6009	Bangkok	Total Coliforms			MPN/100mL	<10		<1.1		
MC6012	Bangkok	Escherichia coli			in 100mL	Not Detected		Not Detected		
MC6035	Bangkok	Pseudomonas aeruginosa			in 100mL	Not Detected		Not Detected *		
MC6037	Bangkok	Staphylococcus aureus			in 100mL	Not Detected		Not Detected		

Guideline: MOPH 1/2550: Recommendations of The Public Health Committee on Swimming Pool Operations

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

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

Key:

◦ LOD : Limit of Detection

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

◦ Result(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

----- END OF REPORT -----



Analysis Report BK2406847



TESTING
No.0009

Client : Atmozlandprao 15 Juristic Person
477 Lat Phrao 15, Chom Phon, Chatuchak, Bangkok, Thailand, 10900
P/O : ---
Project : EIA
Project Location: Atmozlandprao 15 Juristic Person

Work Order : BK2406847
Report Number : BK2406847-AA
Date Received : Apr 29, 2024
Date Reported : May 09, 2024
Date Analysis Commenced : Apr 29, 2024
No. of samples received : 4
Temperature : 2.0 °C
Sampled by : Pichai Boonyong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory.
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Signatories

Kittitee Jamsunroon
Scientist (3)

ALS Laboratory Group (Thailand) Co.,Ltd. Bangkok Life Sciences

104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand T +662 760 3000



Analysis Report BK2406847

Report Number : BK2406847-AA



TESTING
No.0009

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
BK2406847-001	สระที่ 1 : บึงเวกส่วนต้น	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2406847-002	สระที่ 1 : บึงเวกส่วนเล็ก	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2406847-003	สระที่ 2 : บึงเวกส่วนต้น	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2406847-004	สระที่ 2 : บึงเวกส่วนเล็ก	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated

Brief Method Summaries

The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

Method	Testing Lab	Method Descriptions
MC6009	Bangkok	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B
MC6012	Bangkok	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B,F
MC6035	Bangkok	In-house method based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, Part 9213 F
MC6037	Bangkok	In-house method : STM 01-054 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, Part 9213 B



TESTING
No. 0009

Right Solutions • Right Partner



Analysis Report BK2406847

Report Number : BK2406847-AA



TESTING
No.0009

Sub-Matrix: PROCESS WATER

(Matrix: WATER)

Client Sample ID

ครั้งที่ 2 : บริเวณส่วนลึก

Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date			
						Guideline			
						MOPH			
						1/2550		Result	
Microbiological Parameters									
MC6009	Bangkok	Total Coliforms			MPN/100mL	<10		1.1	
MC6012	Bangkok	Escherichia coli			in 100mL	Not Detected		Not Detected	
MC6035	Bangkok	Pseudomonas aeruginosa			in 100mL	Not Detected		Not Detected *	
MC6037	Bangkok	Staphylococcus aureus			in 100mL	Not Detected		Not Detected	

Guideline: MOPH 1/2550: Recommendations of The Public Health Committee on Swimming Pool Operations

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

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

Key:

◦ LOD : Limit of Detection

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

◦ Result(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

----- END OF REPORT -----



Analysis Report BK2407168



Accreditation No.1031/47

Client : Atmozlandprao 15 Juristic Person
477 Lat Phrao 15, Chom Phon, Chatuchak, Bangkok, Thailand, 10900
P/O : ---
Project : EIA
Project Location: Atmozlandprao 15 Juristic Person

Work Order : BK2407168
Report Number : BK2407168-AA
Date Received : May 13, 2024
Date Reported : May 20, 2024
Date Analysis Commenced : May 14, 2024
No. of samples received : 1
Temperature : 2.0 °C
Sampled by : Pichai Boonyong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory.
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Signatories

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Siriluk Bunnak
Section Head

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Analysis Report BK2407168

Report Number : BK2407168-AA



Accreditation No.1031/47

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
BK2407168-001	Consumption Water	----	----	1x 500mL Plastic Bottle, refrigerated

Brief Method Summaries

The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

Method	Testing Lab	Method Descriptions
END100	Bangkok	In-house method : STM 04-011 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C



Analysis Report BK2407168

Report Number : BK2407168-AA



Accreditation No.1031/47

Sub-Matrix: PROCESS WATER
(Matrix: WATER)

Client Sample ID

Consumption Water

Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date	
						Guideline	Result
EN0100	Bangkok	Total Dissolved Solids at 180°C	----	5	mg/L	----	334

Physical and Aggregate Properties

Guideline: ----

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

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

Key: ° LOD : Limit of Detection

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

----- END OF REPORT -----



Analysis Report BK2407168



TESTING
No.0009

Client : Atmozlandprao 15 Juristic Person
477 Lat Phrao 15, Chom Phon, Chatuchak, Bangkok, Thailand, 10900
P/O : ---
Project : EIA
Project Location: Atmozlandprao 15 Juristic Person

Work Order : BK2407168
Report Number : BK2407168-AB
Date Received : May 13, 2024
Date Reported : May 20, 2024
Date Analysis Commenced : May 14, 2024
No. of samples received : 7
Temperature : 2.0 °C
Sampled by : Pichai Boonyong (๖-204-๓-0082)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory.
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Signatories

Tuanjai T.

Tuanjai Thangklang
Manager

๖-204-๓-0039

Kanok Korn Anek

Kanok Korn Anek
Senior Manager
๖-204-๓-0004

ALS Laboratory Group (Thailand) Co.,Ltd. Bangkok Life Sciences

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Analysis Report BK2407168

Report Number : BK2407168-AB



TESTING
No.0009

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
BK2407168-002	ปัดตรวจสอบคุณภาพน้ำทิ้งก่อนปล่อยออกสู่ภายนอก โครงการ	----	----	2x 1L Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, refrigerated
BK2407168-003	สถานี A : ป้อนรับสภาพน้ำของระบบบำบัดน้ำเสีย : ก่อนบำบัด	----	----	2x 1L Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, refrigerated
BK2407168-004	สถานี A : ป้อนน้ำทิ้งของระบบบำบัดน้ำเสียแต่ละชุด : หลังบำบัด	----	----	2x 1L Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, refrigerated
BK2407168-005	สถานี B : ป้อนรับสภาพน้ำของระบบบำบัดน้ำเสีย : ก่อนบำบัด	----	----	2x 1L Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, refrigerated
BK2407168-006	สถานี B : ป้อนน้ำทิ้งของระบบบำบัดน้ำเสียแต่ละชุด : หลังบำบัด	----	----	2x 1L Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, refrigerated
BK2407168-007	สถานี C : ป้อนรับสภาพน้ำของระบบบำบัดน้ำเสีย : ก่อนบำบัด	----	----	2x 1L Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, refrigerated
BK2407168-008	สถานี C : ป้อนน้ำทิ้งของระบบบำบัดน้ำเสียแต่ละชุด : หลังบำบัด	----	----	2x 1L Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, refrigerated



Analysis Report BK2407168

Report Number : BK2407168-AB



TESTING
No.0009

Brief Method Summaries

The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

Method	Testing Lab	Method Descriptions
EN0021	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)
EN0032	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - S2 (C, F)
EN0035	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - Norg (C)
EN0044	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B and part 4500 - O (G)
EN0048	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B
EN0093	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 F
EN0099	Bangkok	In-house method : STM 04-010 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C
EN0102	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D
MC6010	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, Part 9221 B
MC6022	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E



Analysis Report BK2407168

Report Number : BK2407168-AB



TESTING
No.0009

Sub-Matrix: WASTEWATER
(Matrix: WATER)

Client Sample ID

Sub-Matrix: WASTEWATER											
(Matrix: WATER)											
Client Sample ID						ปอดตรวจสอคุณภาพน้ำทั้งก่อนปล่อยออกสู่ภายนอกโครงการ			สถานี A : ปอปรับสภาพน้ำของระบบบำบัดน้ำเสีย : ก่อนบำบัด		สถานี A : ปอสูบน้ำทิ้งของระบบบำบัดน้ำเสียแต่ละชุด : หลังบำบัด
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date		Result	Result	Result	Result
						Guideline					
MNRE 2548 Type A											
Chemical Parameters											
EN0044	Bangkok	BOD (5 days at 20°C)		2.0	mg/L			22.8		128	35.9
EN0048	Bangkok	Oil & Grease		3	mg/L			13		38	18
EN0021	Bangkok	pH at 25°C		1.0	pH Unit			7.9		7.5	7.5
EN0032	Bangkok	Sulfides		0.5	mg/L			0.6 *		7.0 *	1.4 *
EN0035	Bangkok	Total Kjeldahl Nitrogen as N	0.15	1.0	mg/L			57.6		98.8	97.1
Microbiological Parameters											
MC6010	Bangkok	Total Coliforms			MPN/100mL			790000		790000	79000
MC6022	Bangkok	Fecal Coliforms			MPN/100mL					490000	
Physical and Aggregate Properties											
EN0093	Bangkok	Settleable Solids		0.1	mL/L/hr			<0.1 *		3.5 *	<0.1 *
EN0099	Bangkok	Total Dissolved Solids at 103-105°C		5	mg/L			388		492	408
EN0102	Bangkok	Total Suspended Solids		5	mg/L			11		81	18



Analysis Report BK2407168

Report Number : BK2407168-AB



TESTING
No.0009

Sub-Matrix: WASTEWATER
(Matrix: WATER)

Client Sample ID

Sub-Matrix: WASTEWATER											
(Matrix: WATER)											
Client Sample ID						Sampling Date			สถานี C : บ่อรับสภาพน้ำของระบบบำบัดน้ำเสีย : ก่อนบำบัด		
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Guideline		May 13, 2024 10:00 AM	May 13, 2024 10:05 AM	สถานี B : บ่อรับสภาพน้ำของระบบบำบัดน้ำเสียแต่ละจุด : หลังบำบัด	May 13, 2024 10:30 AM
						MNRE 2548 Type A	Result				
Chemical Parameters											
EN0044	Bangkok	BOD (5 days at 20°C)	-----	2.0	mg/L	-----	≤20	91.9	67.0		205
EN0048	Bangkok	Oil & Grease	-----	3	mg/L	-----	≤20	25	11		120
EN0021	Bangkok	pH at 25°C	-----	1.0	pH Unit	-----	5-9	7.7	7.7		7.6
EN0032	Bangkok	Sulfides	-----	0.5	mg/L	-----	≤1	8.0 *	0.8 *		19.7 *
EN0035	Bangkok	Total Kjeldahl Nitrogen as N	0.15	1.0	mg/L	-----	≤35	77.8	69.4		124
Microbiological Parameters											
MC6010	Bangkok	Total Coliforms	-----	-----	MPN/100mL	-----	-----	2400000	490000		490000
MC6022	Bangkok	Fecal Coliforms	-----	-----	MPN/100mL	-----	-----	1300000	-----		490000
Physical and Aggregate Properties											
EN0093	Bangkok	Settleable Solids	-----	0.1	mL/L/hr	-----	≤0.5	<0.1 *	<0.1 *		21 *
EN0099	Bangkok	Total Dissolved Solids at 103-105°C	-----	5	mg/L	-----	≤500	468	460		452
EN0102	Bangkok	Total Suspended Solids	-----	5	mg/L	-----	≤30	26	16		294



Analysis Report BK2407168

Report Number : BK2407168-AB



TESTING
No.0009

Sub-Matrix: WASTEWATER
(Matrix: WATER)

Client Sample ID

Sub-Matrix: WASTEWATER (Matrix: WATER)					Client Sample ID			สถานี C : บ่อสูบน้ำทิ้งของ ระบบบำบัดน้ำเสียแต่ละชุด : หลังบำบัด			
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date		Result			
						Guideline					
						MNRE 2548 Type A					
Chemical Parameters											
EN0044	Bangkok	BOD (5 days at 20°C)		2.0	mg/L	≤20		61.8			
EN0048	Bangkok	Oil & Grease		3	mg/L	≤20		6			
EN0021	Bangkok	pH at 25°C		1.0	pH Unit	5-9		7.6			
EN0032	Bangkok	Sulfides		0.5	mg/L	≤1		0.6 *			
EN0035	Bangkok	Total Kjeldahl Nitrogen as N	0.15	1.0	mg/L	≤35		82.8			
Microbiological Parameters											
MC6010	Bangkok	Total Coliforms			MPN/100mL			330000			
Physical and Aggregate Properties											
EN0093	Bangkok	Settleable Solids		0.1	mL/L/hr	≤0.5		<0.1 *			
EN0099	Bangkok	Total Dissolved Solids at 103-105°C		5	mg/L	≤500		396			
EN0102	Bangkok	Total Suspended Solids		5	mg/L	≤30		12			

Guideline: MNRE 2548 Type A: Building: Notification of The Ministry of Natural Resources and Environment on Effluent from building Type A (Guideline for TDS are in addition to the TDS of the water used not more than 500 mg/L)
Comment: The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

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

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

----- END OF REPORT -----



Analysis Report BK2407169



TESTING
No.0009

Client : Atmozlandprao 15 Juristic Person
477 Lat Phrao 15, Chom Phon, Chatuchak, Bangkok, Thailand, 10900
P/O : ---
Project : EIA
Project Location: Atmozlandprao 15 Juristic Person

Work Order : **BK2407169**
Report Number : BK2407169-AA
Date Received : May 07, 2024
Date Reported : May 16, 2024
Date Analysis Commenced : May 08, 2024
No. of samples received : 4
Temperature : 3.9 °C
Sampled by : Pichai Boonyong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory.
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Signatories

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Analysis Report BK2407169

Report Number : BK2407169-AA



TESTING
No.0009

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
BK2407169-001	สระที่ 1 : บึงเวกส่วนต้น	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2407169-002	สระที่ 1 : บึงเวกส่วนเล็ก	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2407169-003	สระที่ 2 : บึงเวกส่วนต้น	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2407169-004	สระที่ 2 : บึงเวกส่วนเล็ก	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated

Brief Method Summaries

The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

Method	Testing Lab	Method Descriptions
MC6009	Bangkok	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B
MC6012	Bangkok	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B,F
MC6035	Bangkok	In-house method based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, Part 9213 F
MC6037	Bangkok	In-house method : STM 01-054 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, Part 9213 B



Analysis Report BK2407169

Report Number : BK2407169-AA



TESTING
No.0009

Sub-Matrix: PROCESS WATER
(Matrix: WATER)

Client Sample ID

Sub-Matrix: PROCESS WATER										สละที่ 2 : บริเวณส่วนต้น	
(Matrix: WATER)										สละที่ 1 : บริเวณส่วนเล็ก	
Client Sample ID										สละที่ 1 : บริเวณส่วนต้น	
Sampling Date										May 07, 2024 02:10 PM	
Guideline										May 07, 2024 02:15 PM	
MOPH 1/2550										BK2407169-001	
Unit										Result	
LOQ										BK2407169-002	
LOD										Result	
Analytes										BK2407169-003	
Testing Lab										May 07, 2024 02:20 PM	
Method											
Microbiological Parameters											
MC6009	Bangkok	Total Coliforms	MPN/100mL	<10	-----	-----	-----	<1.1	<1.1	<1.1	
MC6012	Bangkok	Escherichia coli	in 100mL	Not Detected	-----	-----	-----	Not Detected	Not Detected	Not Detected	
MC6035	Bangkok	Pseudomonas aeruginosa	in 100mL	Not Detected	-----	-----	-----	Not Detected *	Not Detected *	Not Detected *	
MC6037	Bangkok	Staphylococcus aureus	in 100mL	Not Detected	-----	-----	-----	Not Detected	Not Detected	Not Detected	



Analysis Report BK2407169

Report Number : BK2407169-AA



TESTING
No.0009

Sub-Matrix: PROCESS WATER

(Matrix: WATER)

Client Sample ID

ครั้งที่ 2 : บริเวณส่วนลึก

Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date		Result		
						MOPH	Guideline			
Microbiological Parameters										
MC6009	Bangkok	Total Coliforms			MPN/100mL	<10		<1.1		
MC6012	Bangkok	Escherichia coli			in 100mL	Not Detected		Not Detected		
MC6035	Bangkok	Pseudomonas aeruginosa			in 100mL	Not Detected		Detected *		
MC6037	Bangkok	Staphylococcus aureus			in 100mL	Not Detected		Not Detected		

Guideline: MOPH 1/2550: Recommendations of The Public Health Committee on Swimming Pool Operations

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

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

Key:

◦ LOD : Limit of Detection

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

◦ Result(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

----- END OF REPORT -----



Analysis Report BK2407938



TESTING
No.0009

Client : Atmozlandprao 15 Juristic Person
477 Lat Phrao 15, Chom Phon, Chatuchak, Bangkok, Thailand, 10900
P/O : ---
Project : EIA
Project Location: Atmozlandprao 15 Juristic Person

Work Order : BK2407938
Report Number : BK2407938-AA
Date Received : May 13, 2024
Date Reported : May 24, 2024
Date Analysis Commenced : May 14, 2024
No. of samples received : 4
Temperature : 2.0 °C
Sampled by : Pichai Boonyong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory.
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Signatories

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Analysis Report BK2407938

Report Number : BK2407938-AA



TESTING
No.0009

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
BK2407938-001	สระที่ 1 : บึงเวกส่วนต้น	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2407938-002	สระที่ 1 : บึงเวกส่วนเล็ก	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2407938-003	สระที่ 2 : บึงเวกส่วนต้น	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2407938-004	สระที่ 2 : บึงเวกส่วนเล็ก	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated

Brief Method Summaries

The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

Method	Testing Lab	Method Descriptions
MC6009	Bangkok	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B
MC6012	Bangkok	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B,F
MC6035	Bangkok	In-house method based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, Part 9213 F
MC6037	Bangkok	In-house method : STM 01-054 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, Part 9213 B



Analysis Report BK2407938

Report Number : BK2407938-AA



TESTING
No.0009

Sub-Matrix: PROCESS WATER
(Matrix: WATER)

Client Sample ID

Sub-Matrix: PROCESS WATER										สละที่ 1 : บริเวณส่วนต้น		สละที่ 1 : บริเวณส่วนเล็ก		สละที่ 2 : บริเวณส่วนต้น			
(Matrix: WATER)										Client Sample ID							
										Sampling Date							
Method		Testing Lab		Analytes		LOD	LOQ	Unit		Guideline		Result		Result			
										MOPH	-----	Result		Result			
										1/2550							
Microbiological Parameters																	
MC6009	Bangkok			Total Coliforms		-----	-----	MPN/100mL		<10	-----	<1.1		<1.1			
MC6012	Bangkok			Escherichia coli		-----	-----	in 100mL		Not Detected	-----	Not Detected		Not Detected			
MC6035	Bangkok			Pseudomonas aeruginosa		-----	-----	in 100mL		Not Detected	-----	Not Detected *		Detected *			
MC6037	Bangkok			Staphylococcus aureus		-----	-----	in 100mL		Not Detected	-----	Not Detected		Not Detected			



Analysis Report BK2407938

Report Number : BK2407938-AA



TESTING
No.0009

Sub-Matrix: PROCESS WATER

(Matrix: WATER)

Client Sample ID

ครั้งที่ 2 : บริเวณส่วนลึก

Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date		Result	
						Guideline			
						MOPH 1/2550			
Microbiological Parameters									
MC6009	Bangkok	Total Coliforms			MPN/100mL	<10		<1.1	
MC6012	Bangkok	Escherichia coli			in 100mL	Not Detected		Not Detected	
MC6035	Bangkok	Pseudomonas aeruginosa			in 100mL	Not Detected		Detected *	
MC6037	Bangkok	Staphylococcus aureus			in 100mL	Not Detected		Not Detected	

Guideline: MOPH 1/2550: Recommendations of The Public Health Committee on Swimming Pool Operations

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

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

Key:

◦ LOD : Limit of Detection

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

◦ Result(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

----- END OF REPORT -----



Analysis Report BK2408006



TESTING
No.0009

Client : Atmozlandprao 15 Juristic Person
477 Lat Phrao 15, Chom Phon, Chatuchak, Bangkok, Thailand, 10900
P/O : ---
Project : EIA
Project Location: Atmozlandprao 15 Juristic Person

Work Order : BK2408006
Report Number : BK2408006-AA
Date Received : May 20, 2024
Date Reported : May 30, 2024
Date Analysis Commenced : May 21, 2024
No. of samples received : 4
Temperature : 2.0 °C
Sampled by : Pichai Boonyong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory.
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Signatories

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Analysis Report BK2408006

Report Number : BK2408006-AA



TESTING
No.0009

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
BK2408006-001	สระที่ 1 : บึงเวกส่วนต้น	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate,,refrigerated
BK2408006-002	สระที่ 1 : บึงเวกส่วนเล็ก	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate,,refrigerated
BK2408006-003	สระที่ 2 : บึงเวกส่วนต้น	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate,,refrigerated
BK2408006-004	สระที่ 2 : บึงเวกส่วนเล็ก	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate,,refrigerated

Brief Method Summaries

The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

Method	Testing Lab	Method Descriptions
MC6009	Bangkok	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B
MC6012	Bangkok	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B,F
MC6035	Bangkok	In-house method based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, Part 9213 F
MC6037	Bangkok	In-house method : STM 01-054 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, Part 9213 B



Analysis Report BK2408006

Report Number : BK2408006-AA



TESTING
No.0009

Sub-Matrix: PROCESS WATER
(Matrix: WATER)

Client Sample ID

Sub-Matrix: PROCESS WATER										สละที่ 1 : บริเวณส่วนต้น		สละที่ 1 : บริเวณส่วนเล็ก		สละที่ 2 : บริเวณส่วนต้น					
(Matrix: WATER)										Client Sample ID		May 20, 2024 09:30 AM		May 20, 2024 09:35 AM		May 20, 2024 09:40 AM			
Method		Testing Lab		Analytes		LOD		LOQ		Unit		Guideline		BK2408006-001		BK2408006-002		BK2408006-003	
												MOPH 1/2550		Result		Result		Result	
Microbiological Parameters																			
MC6009		Bangkok		Total Coliforms		-----		-----		MPN/100mL		<10		<1.1		<1.1		1.1	
MC6012		Bangkok		Escherichia coli		-----		-----		in 100mL		Not Detected		Not Detected		Not Detected		Not Detected	
MC6035		Bangkok		Pseudomonas aeruginosa		-----		-----		in 100mL		Not Detected		Not Detected *		Not Detected *		Detected *	
MC6037		Bangkok		Staphylococcus aureus		-----		-----		in 100mL		Not Detected		Not Detected		Not Detected		Not Detected	



Analysis Report BK2408006

Report Number : BK2408006-AA



TESTING
No.0009

Sub-Matrix: PROCESS WATER

(Matrix: WATER)

Client Sample ID

ครั้งที่ 2 : บริเวณส่วนลึก

Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date			
						Guideline			
						MOPH			
						1/2550		Result	
Microbiological Parameters									
MC6009	Bangkok	Total Coliforms			MPN/100mL	<10		2.2	
MC6012	Bangkok	Escherichia coli			in 100mL	Not Detected		Not Detected	
MC6035	Bangkok	Pseudomonas aeruginosa			in 100mL	Not Detected		Detected *	
MC6037	Bangkok	Staphylococcus aureus			in 100mL	Not Detected		Not Detected	

Guideline: MOPH 1/2550: Recommendations of The Public Health Committee on Swimming Pool Operations

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

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

Key:

◦ LOD : Limit of Detection

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

◦ Result(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

----- END OF REPORT -----



Analysis Report BK2408126



TESTING
No.0009

Client : Atmozlandprao 15 Juristic Person
477 Lat Phrao 15, Chom Phon, Chatuchak, Bangkok, Thailand, 10900
P/O : ---
Project : EIA
Project Location: Atmozlandprao 15 Juristic Person

Work Order : **BK2408126**
Report Number : BK2408126-AA
Date Received : May 27, 2024
Date Reported : Jun 06, 2024
Date Analysis Commenced : May 28, 2024
No. of samples received : 4
Temperature : 4.0 °C
Sampled by : Panupong Homewong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory.
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Signatories

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Analysis Report BK2408126

Report Number : BK2408126-AA



TESTING
No.0009

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
BK2408126-001	สระที่ 1 : บึงเวกส่วนต้น	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2408126-002	สระที่ 1 : บึงเวกส่วนเล็ก	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2408126-003	สระที่ 2 : บึงเวกส่วนต้น	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2408126-004	สระที่ 2 : บึงเวกส่วนเล็ก	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated

Brief Method Summaries

The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

Method	Testing Lab	Method Descriptions
MC6009	Bangkok	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B
MC6012	Bangkok	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B,F
MC6035	Bangkok	In-house method based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, Part 9213 F
MC6037	Bangkok	In-house method : STM 01-054 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, Part 9213 B



TESTING
No.00009



Client Sample ID



Analysis Report BK2408126

Report Number : BK2408126-AA



TESTING
No.0009

Sub-Matrix: PROCESS WATER
(Matrix: WATER)

Client Sample ID

ครั้งที่ 2 : บริเวณส่วนลึก

Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date				
						Guideline				
Microbiological Parameters										
MC6009	Bangkok	Total Coliforms			MPN/100mL	<10		<1.1		
MC6012	Bangkok	Escherichia coli			in 100mL	Not Detected		Not Detected		
MC6035	Bangkok	Pseudomonas aeruginosa			in 100mL	Not Detected		Not Detected *		
MC6037	Bangkok	Staphylococcus aureus			in 100mL	Not Detected		Not Detected		

Guideline: MOPH 1/2550: Recommendations of The Public Health Committee on Swimming Pool Operations

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

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

Key: ° LOD : Limit of Detection

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

 ° Result(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

----- END OF REPORT -----



Analysis Report BK2408836



TESTING
No.0009

Client : Atmozlandprao 15 Juristic Person
477 Lat Phrao 15, Chom Phon, Chatuchak, Bangkok, Thailand, 10900
P/O : ---
Project : EIA
Project Location: Atmozlandprao 15 Juristic Person

Work Order : **BK2408836**
Report Number : BK2408836-AA
Date Received : Jun 04, 2024
Date Reported : Jun 12, 2024
Date Analysis Commenced : Jun 05, 2024
No. of samples received : 4
Temperature : 3.7 °C
Sampled by : Panupong Homewong

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Analysis Report BK2408836

Report Number : BK2408836-AA



TESTING
No.0009

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
BK2408836-001	สระที่ 1 : บึงเวกส่วนต้น	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2408836-002	สระที่ 1 : บึงเวกส่วนเล็ก	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2408836-003	สระที่ 2 : บึงเวกส่วนต้น	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2408836-004	สระที่ 2 : บึงเวกส่วนเล็ก	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated

Brief Method Summaries

The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

Method	Testing Lab	Method Descriptions
MC6009	Bangkok	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B
MC6012	Bangkok	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B,F
MC6035	Bangkok	In-house method based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, Part 9213 F
MC6037	Bangkok	In-house method : STM 01-054 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, Part 9213 B



Analysis Report BK2408836

Report Number : BK2408836-AA



TESTING
No.0009

Sub-Matrix: PROCESS WATER
(Matrix: WATER)

Client Sample ID

Sub-Matrix: PROCESS WATER (Matrix: WATER)											
Client Sample ID			Sampling Date			Serotype 1 : บริเวณส่วนต้น		Serotype 1 : บริเวณส่วนเล็ก		Serotype 2 : บริเวณส่วนต้น	
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Guideline		Result	BK2408836-001	Result	BK2408836-002
						MOPH 1/2550	-----				
Microbiological Parameters											
MC6009	Bangkok	Total Coliforms	-----	-----	MPN/100mL	<10	-----	<1.1		<1.1	
MC6012	Bangkok	Escherichia coli	-----	-----	in 100mL	Not Detected	-----	Not Detected		Not Detected	Not Detected
MC6035	Bangkok	Pseudomonas aeruginosa	-----	-----	in 100mL	Not Detected	-----	Not Detected *		Not Detected *	Not Detected *
MC6037	Bangkok	Staphylococcus aureus	-----	-----	in 100mL	Not Detected	-----	Not Detected		Not Detected	Not Detected



Analysis Report BK2408836

Report Number : BK2408836-AA



TESTING
No.0009

Sub-Matrix: PROCESS WATER

(Matrix: WATER)

Client Sample ID

ครั้งที่ 2 : บริเวณส่วนลึก

Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date		Result	
						MOPH	Guideline		
Microbiological Parameters									
MC6009	Bangkok	Total Coliforms			MPN/100mL	<10		<1.1	
MC6012	Bangkok	Escherichia coli			in 100mL	Not Detected		Not Detected	
MC6035	Bangkok	Pseudomonas aeruginosa			in 100mL	Not Detected		Not Detected *	
MC6037	Bangkok	Staphylococcus aureus			in 100mL	Not Detected		Not Detected	

Guideline: MOPH 1/2550: Recommendations of The Public Health Committee on Swimming Pool Operations

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

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

Key:

◦ LOD : Limit of Detection

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

◦ Result(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

----- END OF REPORT -----



Analysis Report BK2408838



Accreditation No.1031/47

Client : Atmozlandprao 15 Juristic Person
477 Lat Phrao 15, Chom Phon, Chatuchak, Bangkok, Thailand, 10900
P/O : ---
Project : EIA
Project Location: Atmozlandprao 15 Juristic Person

Work Order : BK2408838
Report Number : BK2408838-AA
Date Received : Jun 19, 2024
Date Reported : Jun 26, 2024
Date Analysis Commenced : Jun 20, 2024
No. of samples received : 1
Temperature : 4.5 °C
Sampled by : Theeraphol Sangthong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory.
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Signatories

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Analysis Report BK2408838

Report Number : BK2408838-AA



Accreditation No.1031/47

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
BK2408838-001	Consumption Water	----	----	1x 500mL Plastic Bottle, refrigerated

Brief Method Summaries

The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

Method	Testing Lab	Method Descriptions
END100	Bangkok	In-house method : STM 04-011 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C



Analysis Report BK2408838

Report Number : BK2408838-AA



Accreditation No.1031/47

Sub-Matrix: PROCESS WATER

(Matrix: WATER)

Client Sample ID

Consumption Water

Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date	
						Guideline	Result
EN0100	Bangkok	Total Dissolved Solids at 180°C	----	5	mg/L	----	253

Physical and Aggregate Properties

Guideline: ----

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

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

Key: ° LOD : Limit of Detection

° "≤" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

----- END OF REPORT -----



Analysis Report BK2408838



TESTING
No.0009

Client : Atmozlandprao 15 Juristic Person
477 Lat Phrao 15, Chom Phon, Chatuchak, Bangkok, Thailand, 10900
P/O : ---
Project : EIA
Project Location: Atmozlandprao 15 Juristic Person

Work Order : BK2408838
Report Number : BK2408838-AB
Date Received : Jun 19, 2024
Date Reported : Jun 26, 2024
Date Analysis Commenced : Jun 20, 2024
No. of samples received : 7
Temperature : 4.5 °C
Sampled by : Theeraphol Sangthong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory.
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Analysis Report BK2408838

Report Number : BK2408838-AB



TESTING
No.0009

Sample Receipt and Conditions				
Sample ID	Sample Name	Sample Description	GPS	Conditions
BK2408838-002	ปัดตรวจสอสมดุลภาพน้ำทั้งก่อนเปลี่ยนออกสู่ภายนอก โครงการ	----	----	2x 1L Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, refrigerated
BK2408838-003	สถานี A : ป้อนปรับสภาพน้ำของระบบบำบัดน้ำเสีย : ก่อนบำบัด	----	----	2x 1L Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, refrigerated
BK2408838-004	สถานี A : ป้อนน้ำทั้งของระบบบำบัดน้ำเสียแต่ละชุด : หลังบำบัด	----	----	2x 1L Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, refrigerated
BK2408838-005	สถานี B : ป้อนปรับสภาพน้ำของระบบบำบัดน้ำเสีย : ก่อนบำบัด	----	----	2x 1L Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, refrigerated
BK2408838-006	สถานี B : ป้อนน้ำทั้งของระบบบำบัดน้ำเสียแต่ละชุด : หลังบำบัด	----	----	2x 1L Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, refrigerated
BK2408838-007	สถานี C : ป้อนปรับสภาพน้ำของระบบบำบัดน้ำเสีย : ก่อนบำบัด	----	----	2x 1L Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, refrigerated
BK2408838-008	สถานี C : ป้อนน้ำทั้งของระบบบำบัดน้ำเสียแต่ละชุด : หลังบำบัด	----	----	2x 1L Plastic Bottle, 1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, refrigerated



Analysis Report BK2408838

Report Number : BK2408838-AB



TESTING
No.0009

Brief Method Summaries

The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

Method	Testing Lab	Method Descriptions
EN0021	Bangkok	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)
EN0032	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - S2 (C, F)
EN0035	Bangkok	In-house method : STM 04-100 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (D)
EN0044	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B and part 4500 - O (G)
EN0048	Bangkok	In - house method : STM 04-014 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B
EN0093	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 F
EN0099	Bangkok	In-house method : STM 04-010 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C
EN0102	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D
MC6010	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, Part 9221 B
MC6022	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E



Analysis Report BK2408838

Report Number : BK2408838-AB



TESTING
No.0009

Sub-Matrix: WASTEWATER
(Matrix: WATER)

Client Sample ID

Sub-Matrix: WASTEWATER										
(Matrix: WATER)										
Client Sample ID						Sampling Date		สถานะ A : ปอสูบน้ทั้งหมดของระบบบำบัดน้ำเสียแต่ละชุด : หลังบำบัด		
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Guideline		สถานะ A : ปอปรับสภาพน้ำของระบบบำบัดน้ำเสีย : ก่อนบำบัด	BK2408838-003	BK2408838-004
						MNRE 2548	Result			
Type A										
Chemical Parameters										
EN0044	Bangkok	BOD (5 days at 20°C)	-----	2.0	mg/L	-----	19.1	Jun 19, 2024 11:55 AM	Jun 19, 2024 11:25 AM	Jun 19, 2024 11:30 AM
EN0048	Bangkok	Oil & Grease	-----	3	mg/L	-----	6			
EN0021	Bangkok	pH at 25°C	-----	1.0	pH Unit	-----	7.9			
EN0032	Bangkok	Sulfides	-----	0.5	mg/L	-----	<0.5 *			
EN0035	Bangkok	Total Kjeldahl Nitrogen as N	0.15	1.0	mg/L	-----	45.9			
Microbiological Parameters										
MC6010	Bangkok	Total Coliforms	-----	-----	MPN/100mL	-----	220000		33000000	1700000
MC6022	Bangkok	Fecal Coliforms	-----	-----	MPN/100mL	-----	-----		1700000	-----
Physical and Aggregate Properties										
EN0093	Bangkok	Settleable Solids	-----	0.1	mL/L/hr	-----	<0.1 *		0.6 *	<0.1 *
EN0099	Bangkok	Total Dissolved Solids at 103-105°C	-----	5	mg/L	-----	388		416	408
EN0102	Bangkok	Total Suspended Solids	-----	5	mg/L	-----	10		30	17



Analysis Report BK2408838

Report Number : BK2408838-AB



TESTING
No.0009

Sub-Matrix: WASTEWATER
(Matrix: WATER)

Client Sample ID

Sub-Matrix: WASTEWATER (Matrix: WATER)											
Client Sample ID						Station B : ปอรับสภาพน้ำของระบบบำบัดน้ำเสีย : ก่อนบำบัด			Station B : ปอรับสภาพน้ำของระบบบำบัดน้ำเสียแต่ละจุด : หลังบำบัด		
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date		Result	Result	Result	Result
						Guideline					
MNRE 2548 Type A											
Chemical Parameters											
EN0044	Bangkok	BOD (5 days at 20°C)	-----	2.0	mg/L	-----	≤20	68.4		45.0	203
EN0048	Bangkok	Oil & Grease	-----	3	mg/L	-----	≤20	5		5	30
EN0021	Bangkok	pH at 25°C	-----	1.0	pH Unit	-----	5-9	7.5		7.0	7.5
EN0032	Bangkok	Sulfides	-----	0.5	mg/L	-----	≤1	11.6 *		<0.5 *	1.6 *
EN0035	Bangkok	Total Kjeldahl Nitrogen as N	0.15	1.0	mg/L	-----	≤35	69.6		26.4	94.9
Microbiological Parameters											
MC6010	Bangkok	Total Coliforms	-----	-----	MPN/100mL	-----	-----	4900000		130000	2400000
MC6022	Bangkok	Fecal Coliforms	-----	-----	MPN/100mL	-----	-----	3300000		-----	1300000
Physical and Aggregate Properties											
EN0093	Bangkok	Settleable Solids	-----	0.1	mL/L/hr	-----	≤0.5	<0.1 *		<0.1 *	9 *
EN0099	Bangkok	Total Dissolved Solids at 103-105°C	-----	5	mg/L	-----	≤500	368		412	404
EN0102	Bangkok	Total Suspended Solids	-----	5	mg/L	-----	≤30	18		35	338



Analysis Report BK2408838

Report Number : BK2408838-AB



TESTING
No.0009

Sub-Matrix: WASTEWATER
(Matrix: WATER)

Client Sample ID

Sub-Matrix: WASTEWATER (Matrix: WATER)										สถานที่ C : บ่อสูบน้ำทิ้งของ ระบบบำบัดน้ำเสียแต่ละชุด : หลังบำบัด			
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date		Result					
						Guideline							
Chemical Parameters													
EN0044	Bangkok	BOD (5 days at 20°C)		2.0	mg/L			61.8					
EN0048	Bangkok	Oil & Grease		3	mg/L			<3					
EN0021	Bangkok	pH at 25°C		1.0	pH Unit			7.5					
EN0032	Bangkok	Sulfides		0.5	mg/L			<0.5 *					
EN0035	Bangkok	Total Kjeldahl Nitrogen as N	0.15	1.0	mg/L			82.2					
Microbiological Parameters													
MC6010	Bangkok	Total Coliforms			MPN/100mL			240000					
Physical and Aggregate Properties													
EN0093	Bangkok	Settleable Solids		0.1	mL/L/hr			<0.1 *					
EN0099	Bangkok	Total Dissolved Solids at 103-105°C		5	mg/L			352					
EN0102	Bangkok	Total Suspended Solids		5	mg/L			19					

Guideline: MNRE 2548 Type A: Building: Notification of The Ministry of Natural Resources and Environment on Effluent from building Type A (Guideline for TDS are in addition to the TDS of the water used not more than 500 mg/L)
Comment: The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

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

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

----- END OF REPORT -----



Analysis Report BK2409186



TESTING
No.0009

Client : Atmozlandprao 15 Juristic Person
477 Lat Phrao 15, Chom Phon, Chatuchak, Bangkok, Thailand, 10900
P/O : ---
Project : EIA
Project Location: Atmozlandprao 15 Juristic Person

Work Order : **BK2409186**
Report Number : BK2409186-AA
Date Received : Jun 10, 2024
Date Reported : Jun 20, 2024
Date Analysis Commenced : Jun 11, 2024
No. of samples received : 4
Temperature : 3.1 °C
Sampled by : Thanwa Jariya

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report 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.

Signatories

Kittitee Jarnjumboon
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104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand T +662 760 3000



Analysis Report BK2409186

Report Number : BK2409186-AA



TESTING
No.0009

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
BK2409186-001	สระที่ 1 : บึงเวกส่วนต้น	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2409186-002	สระที่ 1 : บึงเวกส่วนเล็ก	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2409186-003	สระที่ 2 : บึงเวกส่วนต้น	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2409186-004	สระที่ 2 : บึงเวกส่วนเล็ก	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated

Brief Method Summaries

The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

Method	Testing Lab	Method Descriptions
MC6009	Bangkok	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B
MC6012	Bangkok	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B,F
MC6035	Bangkok	In-house method based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, Part 9213 F
MC6037	Bangkok	In-house method : STM 01-054 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, Part 9213 B



Analysis Report BK2409186

Report Number : BK2409186-AA



TESTING
No.0009

Sub-Matrix: PROCESS WATER
(Matrix: WATER)

Client Sample ID

Sub-Matrix: PROCESS WATER										สละที่ 1 : บริเวณส่วนต้น		สละที่ 1 : บริเวณส่วนเล็ก		สละที่ 2 : บริเวณส่วนต้น			
(Matrix: WATER)										Client Sample ID							
										Sampling Date							
Method		Testing Lab		Analytes		LOD		LOQ		Unit		Guideline		Result		Result	
												MOPH 1/2550					
Microbiological Parameters																	
MC6009		Bangkok		Total Coliforms						MPN/100mL		<10		<1.1		<1.1	
MC6012		Bangkok		Escherichia coli						in 100mL		Not Detected		Not Detected		Not Detected	
MC6035		Bangkok		Pseudomonas aeruginosa						in 100mL		Not Detected		Not Detected *		Not Detected *	
MC6037		Bangkok		Staphylococcus aureus						in 100mL		Not Detected		Not Detected		Not Detected	



Analysis Report BK2409186

Report Number : BK2409186-AA



TESTING
No.0009

Sub-Matrix: PROCESS WATER

(Matrix: WATER)

Client Sample ID

ครั้งที่ 2 : บริเวณส่วนลึก

Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date		Result		
						MOPH	Guideline			
Microbiological Parameters										
MC6009	Bangkok	Total Coliforms			MPN/100mL	<10		<1.1		
MC6012	Bangkok	Escherichia coli			in 100mL	Not Detected		Not Detected		
MC6035	Bangkok	Pseudomonas aeruginosa			in 100mL	Not Detected		Not Detected *		
MC6037	Bangkok	Staphylococcus aureus			in 100mL	Not Detected		Not Detected		

Guideline: MOPH 1/2550: Recommendations of The Public Health Committee on Swimming Pool Operations

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

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

Key:

◦ LOD : Limit of Detection

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

◦ Result(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

----- END OF REPORT -----



Analysis Report BK2409947



TESTING
No.0009

Client : Atmozlandprao 15 Juristic Person
477 Lat Phrao 15, Chom Phon, Chatuchak, Bangkok, Thailand, 10900
P/O : ---
Project : EIA
Project Location: Atmozlandprao 15 Juristic Person

Work Order : BK2409947
Report Number : BK2409947-AA
Date Received : Jun 17, 2024
Date Reported : Jun 24, 2024
Date Analysis Commenced : Jun 18, 2024
No. of samples received : 4
Temperature : 2.0 °C
Sampled by : Pichai Boonyong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory.
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Signatories

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104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand T +662 760 3000



Analysis Report BK2409947

Report Number : BK2409947-AA



TESTING
No.0009

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
BK2409947-001	สระที่ 1 : บึงเวกส่วนต้น	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2409947-002	สระที่ 1 : บึงเวกส่วนเล็ก	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2409947-003	สระที่ 2 : บึงเวกส่วนต้น	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2409947-004	สระที่ 2 : บึงเวกส่วนเล็ก	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated

Brief Method Summaries

The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

Method	Testing Lab	Method Descriptions
MC6009	Bangkok	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B
MC6012	Bangkok	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B,F
MC6035	Bangkok	In-house method based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, Part 9213 F
MC6037	Bangkok	In-house method : STM 01-054 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, Part 9213 B



Analysis Report BK2409947

Report Number : BK2409947-AA



TESTING
No.0009

Sub-Matrix: PROCESS WATER
(Matrix: WATER)

Client Sample ID

Sub-Matrix: PROCESS WATER									
(Matrix: WATER)									
Client Sample ID									
		Sampling Date				สละที่ 1 : บริเวณส่วนต้น		สละที่ 1 : บริเวณส่วนเล็ก	
						Jun 17, 2024 01:10 PM		Jun 17, 2024 01:15 PM	
						BK2409947-001		BK2409947-002	
						Result		Result	
						Result		Result	
Microbiological Parameters									
MC6009	Bangkok	Total Coliforms		MPN/100mL		<10		<1.1	
MC6012	Bangkok	Escherichia coli		in 100mL		Not Detected		Not Detected	
MC6035	Bangkok	Pseudomonas aeruginosa		in 100mL		Not Detected		Not Detected *	
MC6037	Bangkok	Staphylococcus aureus		in 100mL		Not Detected		Not Detected	



Analysis Report BK2409947

Report Number : BK2409947-AA



TESTING
No.0009

Sub-Matrix: PROCESS WATER

(Matrix: WATER)

Client Sample ID

ครั้งที่ 2 : บริเวณส่วนลึก

Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date		Result		
						MOPH	Guideline			
Microbiological Parameters										
MC6009	Bangkok	Total Coliforms			MPN/100mL	<10		<1.1		
MC6012	Bangkok	Escherichia coli			in 100mL	Not Detected		Not Detected		
MC6035	Bangkok	Pseudomonas aeruginosa			in 100mL	Not Detected		Not Detected *		
MC6037	Bangkok	Staphylococcus aureus			in 100mL	Not Detected		Not Detected		

Guideline: MOPH 1/2550: Recommendations of The Public Health Committee on Swimming Pool Operations

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

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

Key:

◦ LOD : Limit of Detection

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

◦ Result(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

----- END OF REPORT -----



Analysis Report BK2410053



TESTING
No.0009

Client : Atmozlandprao 15 Juristic Person
477 Lat Phrao 15, Chom Phon, Chatuchak, Bangkok, Thailand, 10900
P/O : ---
Project : EIA
Project Location: Atmozlandprao 15 Juristic Person

Work Order : BK2410053
Report Number : BK2410053-AA
Date Received : Jun 24, 2024
Date Reported : Jul 04, 2024
Date Analysis Commenced : Jun 25, 2024
No. of samples received : 4
Temperature : 2.0 °C
Sampled by : Pichai Boonyong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory.
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Signatories

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Analysis Report BK2410053

Report Number : BK2410053-AA



TESTING
No.0009

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
BK2410053-001	สระที่ 1 : บึงเวกส่วนต้น	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2410053-002	สระที่ 1 : บึงเวกส่วนเล็ก	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2410053-003	สระที่ 2 : บึงเวกส่วนต้น	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
BK2410053-004	สระที่ 2 : บึงเวกส่วนเล็ก	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated

Brief Method Summaries

The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

Method	Testing Lab	Method Descriptions
MC6009	Bangkok	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B
MC6012	Bangkok	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B,F
MC6035	Bangkok	In-house method based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, Part 9213 F
MC6037	Bangkok	In-house method : STM 01-054 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, Part 9213 B



Analysis Report BK2410053

Report Number : BK2410053-AA



TESTING
No.0009

Sub-Matrix: PROCESS WATER
(Matrix: WATER)

Client Sample ID

Sub-Matrix: PROCESS WATER										สละที่ 1 : บริเวณส่วนต้น		สละที่ 1 : บริเวณส่วนเล็ก		สละที่ 2 : บริเวณส่วนต้น			
(Matrix: WATER)										Client Sample ID							
										Sampling Date							
Method		Testing Lab		Analytes		LOD	LOQ	Unit		Guideline		Result		Result			
										MOPH	-----						
										1/2550							
Microbiological Parameters																	
MC6009	Bangkok			Total Coliforms		-----	-----	MPN/100mL		<10	-----	<1.1		<1.1			
MC6012	Bangkok			Escherichia coli		-----	-----	in 100mL		Not Detected	-----	Not Detected		Not Detected			
MC6035	Bangkok			Pseudomonas aeruginosa		-----	-----	in 100mL		Not Detected	-----	Not Detected *		Not Detected *			
MC6037	Bangkok			Staphylococcus aureus		-----	-----	in 100mL		Not Detected	-----	Not Detected		Not Detected			



Analysis Report BK2410053

Report Number : BK2410053-AA



TESTING
No.0009

Sub-Matrix: PROCESS WATER

(Matrix: WATER)

Client Sample ID

ครั้งที่ 2 : บริเวณส่วนลึก

Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date		Result	
						MOPH	Guideline		
Microbiological Parameters									
MC6009	Bangkok	Total Coliforms			MPN/100mL	<10		<1.1	
MC6012	Bangkok	Escherichia coli			in 100mL	Not Detected		Not Detected	
MC6035	Bangkok	Pseudomonas aeruginosa			in 100mL	Not Detected		Not Detected *	
MC6037	Bangkok	Staphylococcus aureus			in 100mL	Not Detected		Not Detected	

Guideline: MOPH 1/2550: Recommendations of The Public Health Committee on Swimming Pool Operations

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

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

Key:

◦ LOD : Limit of Detection

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

◦ Result(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

----- END OF REPORT -----