

ภาคผนวก ค

ใบรายงานผลวิเคราะห์



Analysis Report CH2300034



Accreditation No.1031/47

Client : Dcondo Campus Resort Juristic Person Condominium
222 Moo 1, Suthep Rd., Tambon Suthep, Amphoe Mueang Chiang Mai, Chiang
Mai, Thailand, 50200
P/O : ----
Project : ----
Project Location: Dcondo Campus Resort Juristic Person Condominium

Work Order : CH2300034
Report Number : CH2300034-AA
Date Received : Jul 05, 2023
Date Reported : Jul 14, 2023
Date Analysis Commenced : Jul 05, 2023
No. of samples received : 3
Temperature : 3.1 °C
Sampled by : Tanakron Insuta

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

Signatories

Tuanjai T.

Tuanjai Thangklang
Manager



Analysis Report CH2300034

Report Number : CH2300034-AA



Accreditation No.1031/47

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
CH2300034-001	อาคาร A : น้ำดี 1	----	----	1x 500mL Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
CH2300034-002	อาคาร B : น้ำดี 2	----	----	1x 500mL Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
CH2300034-003	อาคาร C : น้ำดี 3	----	----	1x 500mL 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
MC6012	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 F



Analysis Report CH2300034

Report Number : CH2300034-AA



Accreditation No.1031/47

Sub-Matrix: PROCESS WATER

Client Sample ID

อาคาร A : น้ำดี 1

อาคาร B : น้ำดี 2

อาคาร C : น้ำดี 3

(Matrix: WATER)

							Sampling Date		Jul 04, 2023 10:50 AM	Jul 04, 2023 10:55 AM	Jul 04, 2023 11:00 AM
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Guideline		CH2300034-001	CH2300034-002	CH2300034-003	
						----	----	Result	Result	Result	
Microbiological Parameters											
MC6012	Bangkok	Escherichia coli	----	----	in 100mL	----	----	Not Detected	Not Detected	Not Detected	

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 CH2300034



Accreditation No.1031/47

Client : Dcondo Campus Resort Juristic Person Condominium
222 Moo 1, Suthep Rd., Tambon Suthep, Amphoe Mueang Chiang Mai, Chiang
Mai, Thailand, 50200
P/O : ----
Project : ----
Project Location: Dcondo Campus Resort Juristic Person Condominium

Work Order : CH2300034
Report Number : CH2300034-AB
Date Received : Jul 05, 2023
Date Reported : Jul 14, 2023
Date Analysis Commenced : Jul 05, 2023
No. of samples received : 2
Temperature : 3.1 °C
Sampled by : Tanakron Insuta (๖-204-๖-7838)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

Signatories

Tuanjai Thangklang
Manager

Kanokkorn Anek
Senior Manager
๖-204-๖-6111



Analysis Report CH2300034

Report Number : CH2300034-AB



Accreditation No.1031/47

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
CH2300034-004	น้ำระเหยน้ำ	----	----	1x 500mL Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
CH2300034-005	น้ำทิ้ง	----	----	1x Plastic bottle - Preserved with H ₂ SO ₄ , 2x 1L Plastic Bottle, 1x 300mL Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x 1L Oil & Grease, 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
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 - S ₂ (C, F)
EN0035	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - Norg (C)
EN0045	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B and part 4500 - O (C)
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
MC6009	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B
MC6020	Bangkok	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, Part 9221 B, E



Analysis Report CH2300034

Report Number : CH2300034-AB



Accreditation No.1031/47

Sub-Matrix: WASTEWATER

Client Sample ID

(Matrix: WATER)

Sub-Matrix: WASTEWATER (Matrix: WATER)							Client Sample ID		น้ำทิ้ง	----	----
							Sampling Date		Jul 04, 2023 11:10 AM	----	----
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Guideline		CH2300034-005	-----	-----	
						MNRE 2548 Type A	MOPH 1/2550	Result	----	----	
Chemical Parameters											
EN0045	Bangkok	BOD (5 days at 20°C)	----	2.0	mg/L	≤20	----	10	----	----	
EN0048	Bangkok	Oil & Grease	----	3	mg/L	≤20	----	<3	----	----	
EN0021	Bangkok	pH at 25°C	----	1.0	pH Unit	5-9	----	7.6	----	----	
EN0032	Bangkok	Sulfides	----	0.5	mg/L	≤1	----	<0.5	----	----	
EN0035	Bangkok	Total Kjeldahl Nitrogen as N	0.15	1.0	mg/L	≤35	----	17.2	----	----	
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	----	340	----	----	
EN0102	Bangkok	Total Suspended Solids	----	5	mg/L	≤30	----	20	----	----	



Analysis Report CH2300034

Report Number : CH2300034-AB



Accreditation No.1031/47

Sub-Matrix: PROCESS WATER

Client Sample ID

น้ำสระว่ายน้ำ

(Matrix: WATER)

Sampling Date

Jul 04, 2023 10:45 AM

Sampling Date								Jul 04, 2023 10:45 AM	---	---
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Guideline		CH2300034-004	-----	-----
						MNRE 2548 Type A	MOPH 1/2550	Result	---	---
Microbiological Parameters										
MC6009	Bangkok	Total Coliforms	----	----	MPN/100mL	----	<10	<1.1	----	----
MC6020	Bangkok	Fecal Coliforms	----	----	in 100mL	----	Not Detected	Not Detected	----	----

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)

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)

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



Analysis Report CH2300061



TESTING
No.0009

Client : Dcondo Campus Resort Juristic Person Condominium
222 Moo 1, Suthep Rd., Tambon Suthep, Amphoe Mueang Chiang Mai, Chiang
Mai, Thailand, 50200
P/O : ----
Project : ----
Project Location: Dcondo Campus Resort Juristic Person Condominium

Work Order : CH2300061
Report Number : CH2300061-AA
Date Received : Aug 03, 2023
Date Reported : Aug 20, 2023
Date Analysis Commenced : Aug 03, 2023
No. of samples received : 1
Temperature : 4.1 °C
Sampled by : Sitthichok Taseeda

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

Signatories

Siriluk Puengpang
Supervisor



Analysis Report CH2300061

Report Number : CH2300061-AA



TESTING
No.0009

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
CH2300061-001	น้ำทิ้ง	----	----	1x Plastic bottle - Preserved with H ₂ SO ₄ , 2x 1L Plastic Bottle, 1x 300mL Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x 1L Oil & Grease, 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
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	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - Norg (C)
EN0045	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B and part 4500 - O (C)
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



Analysis Report CH2300061

Report Number : CH2300061-AA



TESTING
No.0009

Sub-Matrix: WASTEWATER

Client Sample ID

(Matrix: WATER)

Sub-Matrix: WASTEWATER (Matrix: WATER)							Client Sample ID		น้ำทิ้ง	----	----
							Sampling Date		Aug 02, 2023 10:20 AM	----	----
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Guideline		CH2300061-001	-----	-----	
						MNRE 2548 Type A	----	Result	----	----	
Chemical Parameters											
EN0045	Bangkok	BOD (5 days at 20°C)	----	2.0	mg/L	≤20	----	14 *	----	----	
EN0048	Bangkok	Oil & Grease	----	3	mg/L	≤20	----	<3	----	----	
EN0021	Bangkok	pH at 25°C	----	1.0	pH Unit	5-9	----	7.5	----	----	
EN0032	Bangkok	Sulfides	----	0.5	mg/L	≤1	----	<0.5 *	----	----	
EN0035	Bangkok	Total Kjeldahl Nitrogen as N	0.15	1.0	mg/L	≤35	----	7.5 *	----	----	
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	----	320	----	----	
EN0102	Bangkok	Total Suspended Solids	----	5	mg/L	≤30	----	24	----	----	

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
 - "<" : 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 CH2300061



Accreditation No.1031/47

TESTING
No.0009

Client : Dcondo Campus Resort Juristic Person Condominium
222 Moo 1, Suthep Rd., Tambon Suthep, Amphoe Mueang Chiang Mai, Chiang
Mai, Thailand, 50200
P/O : ----
Project : ----
Project Location: Dcondo Campus Resort Juristic Person Condominium

Work Order : CH2300061
Report Number : CH2300061-AB
Date Received : Aug 03, 2023
Date Reported : Aug 20, 2023
Date Analysis Commenced : Aug 03, 2023
No. of samples received : 1
Temperature : 4.1 °C
Sampled by : Sitthichok Taseeda

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

Signatories

Kittitee Jamjumroon
Scientist (3)



Analysis Report CH2300061

Report Number : CH2300061-AB



Accreditation No.1031/47



TESTING
No.0009

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
CH2300061-002	น้ำระเหยน้ำ	----	----	1x 500mL 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
MC6020	Bangkok	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, Part 9221 B, E



Analysis Report CH2300061

Report Number : CH2300061-AB



Accreditation No.1031/47



TESTING
No.0009

Sub-Matrix: PROCESS WATER

Client Sample ID

(Matrix: WATER)

						Sampling Date		Aug 02, 2023 10:10 AM	----	----
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Guideline		CH2300061-002	-----	-----
						MOPH 61 & 135	----	Result	----	----
Microbiological Parameters										
MC6009	Bangkok	Total Coliforms	----	----	MPN/100mL	<2.2	----	<1.1	----	----
MC6020	Bangkok	Fecal Coliforms	----	----	in 100mL	----	----	Not Detected	----	----

Guideline: MOPH 61 & 135: Notification of the Ministry of Public Health No. 61 B.E. 2524 & 135 B.E. 2534 on bottled drinking water (No.2) & 316 B.E. 2553 & Pathogenic 416 B.E. 2563

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 CH2300095



TESTING
No.0009

Client : Dcondo Campus Resort Juristic Person Condominium
222 Moo 1, Suthep Rd., Tambon Suthep, Amphoe Mueang Chiang Mai, Chiang
Mai, Thailand, 50200
P/O : ----
Project : ----
Project Location: Dcondo Campus Resort Juristic Person Condominium

Work Order : CH2300095
Report Number : CH2300095-AA
Date Received : Sep 06, 2023
Date Reported : Sep 12, 2023
Date Analysis Commenced : Sep 06, 2023
No. of samples received : 2
Temperature : 3.5 °C
Sampled by : Tanakron Insuta

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

Signatories

Siriluk P.

Siriluk Puengpang
Supervisor



Analysis Report CH2300095

Report Number : CH2300095-AA



TESTING
No.0009

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
CH2300095-001	น้ำทิ้ง	----	----	1x Plastic bottle - Preserved with H ₂ SO ₄ , 2x 1L Plastic Bottle, 1x 300mL Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x 1L Oil & Grease, refrigerated
CH2300095-002	น้ำระเหยน้ำ	----	----	1x 500mL 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
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 - S ₂ (C, F)
EN0035	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - Norg (C)
EN0045	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B and part 4500 - O (C)
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
MC6009	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B
MC6020	Bangkok	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, Part 9221 B, E



Analysis Report CH2300095

Report Number : CH2300095-AA



TESTING
No.0009

Sub-Matrix: WASTEWATER

Client Sample ID

(Matrix: WATER)

Sub-Matrix: WASTEWATER (Matrix: WATER)							Client Sample ID		น้ำทิ้ง	----	----
							Sampling Date		Sep 05, 2023 12:30 PM	----	----
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Guideline		CH2300095-001	-----	-----	
						MNRE 2548 Type A	MOPH 1/2550	Result	----	----	
Chemical Parameters											
EN0045	Bangkok	BOD (5 days at 20°C)	----	2.0	mg/L	≤20	----	6 *	----	----	
EN0048	Bangkok	Oil & Grease	----	3	mg/L	≤20	----	<3	----	----	
EN0021	Bangkok	pH at 25°C	----	1.0	pH Unit	5-9	----	7.6	----	----	
EN0032	Bangkok	Sulfides	----	0.5	mg/L	≤1	----	<0.5 *	----	----	
EN0035	Bangkok	Total Kjeldahl Nitrogen as N	0.15	1.0	mg/L	≤35	----	5.4 *	----	----	
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	----	10	----	----	



Analysis Report CH2300095

Report Number : CH2300095-AA



TESTING
No.0009

Sub-Matrix: PROCESS WATER

Client Sample ID

น้ำสระว่ายน้ำ

(Matrix: WATER)

Sampling Date

Sep 05, 2023 12:35 PM

Method	Testing Lab	Analytes	LOD	LOQ	Unit	Guideline		CH2300095-002	-----	-----
						MNRE 2548 Type A	MOPH 1/2550	Result	---	---
Microbiological Parameters										
MC6009	Bangkok	Total Coliforms	----	----	MPN/100mL	----	<10	<1.1	----	----
MC6020	Bangkok	Fecal Coliforms	----	----	in 100mL	----	Not Detected	Not Detected	----	----

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)

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 CH2300125



TESTING
No.0009

Client : Dcondo Campus Resort Juristic Person Condominium
222 Moo 1, Suthep Rd., Tambon Suthep, Amphoe Mueang Chiang Mai, Chiang
Mai, Thailand, 50200
P/O : ----
Project : ----
Project Location: Dcondo Campus Resort Juristic Person Condominium

Work Order : CH2300125
Report Number : CH2300125-AA
Date Received : Oct 04, 2023
Date Reported : Oct 12, 2023
Date Analysis Commenced : Oct 04, 2023
No. of samples received : 2
Temperature : 2.2 °C
Sampled by : Tanakron Insuta

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

Signatories

Nanthawadee Somboon
Specialist 1



Analysis Report CH2300125

Report Number : CH2300125-AA



TESTING
No.0009

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
CH2300125-001	น้ำทิ้ง	----	----	1x Plastic bottle - Preserved with H ₂ SO ₄ , 2x 1L Plastic Bottle, 1x 300mL Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x 1L Oil & Grease, refrigerated
CH2300125-002	น้ำระเหยน้ำ	----	----	1x 500mL 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
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 - S ₂ (C, F)
EN0035	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - Norg (C)
EN0045	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B and part 4500 - O (C)
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
MC6009	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B
MC6020	Bangkok	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, Part 9221 B, E



Analysis Report CH2300125

Report Number : CH2300125-AA



TESTING
No.0009

Sub-Matrix: WASTEWATER

Client Sample ID

(Matrix: WATER)

Sub-Matrix: WASTEWATER (Matrix: WATER)							Client Sample ID		น้ำทิ้ง	----	----
							Sampling Date		Oct 03, 2023 11:20 AM	----	----
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Guideline		CH2300125-001	-----	-----	
						MNRE 2548 Type A	MOPH 1/2550	Result	----	----	
Chemical Parameters											
EN0045	Bangkok	BOD (5 days at 20°C)	----	2.0	mg/L	≤20	----	13	----	----	
EN0048	Bangkok	Oil & Grease	----	3	mg/L	≤20	----	<3	----	----	
EN0021	Bangkok	pH at 25°C	----	1.0	pH Unit	5-9	----	7.8	----	----	
EN0032	Bangkok	Sulfides	----	0.5	mg/L	≤1	----	<0.5	----	----	
EN0035	Bangkok	Total Kjeldahl Nitrogen as N	0.15	1.0	mg/L	≤35	----	12.9	----	----	
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	----	360	----	----	
EN0102	Bangkok	Total Suspended Solids	----	5	mg/L	≤30	----	33	----	----	



Analysis Report CH2300125

Report Number : CH2300125-AA



TESTING
No.0009

Sub-Matrix: PROCESS WATER

Client Sample ID

(Matrix: WATER)

Sub-Matrix: PROCESS WATER							Client Sample ID		น้ำสระว่ายน้ำ		----		----	
(Matrix: WATER)							Sampling Date		Oct 03, 2023 11:25 AM		----		----	
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Guideline		CH2300125-002		-----		-----		
						MNRE 2548 Type A	MOPH 1/2550	Result		----		----		
Microbiological Parameters														
MC6009	Bangkok	Total Coliforms	----	----	MPN/100mL	----	<10	<1.1		----	----			
MC6020	Bangkok	Fecal Coliforms	----	----	in 100mL	----	Not Detected	Not Detected		----	----			

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)

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)

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



Analysis Report CH2300125



TESTING
No.0009

Client : Dcondo Campus Resort Juristic Person Condominium
222 Moo 1, Suthep Rd., Tambon Suthep, Amphoe Mueang Chiang Mai, Chiang
Mai, Thailand, 50200
P/O : ----
Project : ----
Project Location: Dcondo Campus Resort Juristic Person Condominium

Work Order : CH2300125
Report Number : CH2300125-AB
Date Received : Oct 04, 2023
Date Reported : Oct 12, 2023
Date Analysis Commenced : Oct 04, 2023
No. of samples received : 3
Temperature : 2.2 °C
Sampled by : Tanakron Insuta

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

Signatories

Kittitee Jamjumroon
Scientist (3)



Analysis Report CH2300125

Report Number : CH2300125-AB



TESTING
No.0009

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
CH2300125-003	อาคาร A : น้ำดี 1	----	----	1x 500mL Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
CH2300125-004	อาคาร B : น้ำดี 2	----	----	1x 500mL Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
CH2300125-005	อาคาร C : น้ำดี 3	----	----	1x 500mL 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
MC6012	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 F



Analysis Report CH2300125

Report Number : CH2300125-AB



TESTING
No.0009

Sub-Matrix: PROCESS WATER

Client Sample ID

อาคาร A : น้ำดี 1

อาคาร B : น้ำดี 2

อาคาร C : น้ำดี 3

(Matrix: WATER)

								Sampling Date	Oct 03, 2023 11:30 AM	Oct 03, 2023 11:35 AM	Oct 03, 2023 11:40 AM
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Guideline		CH2300125-003	CH2300125-004	CH2300125-005	
						----	----	Result	Result	Result	
Microbiological Parameters											
MC6012	Bangkok	Escherichia coli	----	----	in 100mL	----	----	Not Detected	Not Detected	Not Detected	

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 CH2300159



TESTING
No.0009

Client : Dcondo Campus Resort Juristic Person Condominium
222 Moo 1, Suthep Rd., Tambon Suthep, Amphoe Mueang Chiang Mai, Chiang
Mai, Thailand, 50200
P/O : ----
Project : ----
Project Location: Dcondo Campus Resort Juristic Person Condominium

Work Order : CH2300159
Report Number : CH2300159-AA
Date Received : Nov 07, 2023
Date Reported : Nov 13, 2023
Date Analysis Commenced : Nov 08, 2023
No. of samples received : 1
Temperature : 3.2 °C
Sampled by : Tanakron Insuta

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

Signatories

Siriluk Puengpang
Section Head



Analysis Report CH2300159

Report Number : CH2300159-AA



TESTING
No.0009

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
CH2300159-001	น้ำทิ้ง	----	----	1x Plastic bottle - Preserved with H ₂ SO ₄ , 2x 1L Plastic Bottle, 1x 300mL Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x 1L Oil & Grease, 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
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	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - Norg (C)
EN0045	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B and part 4500 - O (C)
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



Analysis Report CH2300159

Report Number : CH2300159-AA



TESTING
No.0009

Sub-Matrix: WASTEWATER

Client Sample ID

(Matrix: WATER)

Sub-Matrix: WASTEWATER							Client Sample ID		น้ำทิ้ง		----		----	
(Matrix: WATER)							Sampling Date		Nov 06, 2023 11:30 AM		----		----	
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Guideline		CH2300159-001		-----		-----		
						MNRE 2548 Type A	----	Result		----		----		
Chemical Parameters														
EN0045	Bangkok	BOD (5 days at 20°C)	----	2.0	mg/L	≤20	----	2 *		----		----		
EN0048	Bangkok	Oil & Grease	----	3	mg/L	≤20	----	3		----		----		
EN0021	Bangkok	pH at 25°C	----	1.0	pH Unit	5-9	----	8.2		----		----		
EN0032	Bangkok	Sulfides	----	0.5	mg/L	≤1	----	<0.5 *		----		----		
EN0035	Bangkok	Total Kjeldahl Nitrogen as N	0.15	1.0	mg/L	≤35	----	<1.0 *		----		----		
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	----	388		----		----		
EN0102	Bangkok	Total Suspended Solids	----	5	mg/L	≤30	----	<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
 - "<" : 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 CH2300159



TESTING
No.0009

Client : Dcondo Campus Resort Juristic Person Condominium
222 Moo 1, Suthep Rd., Tambon Suthep, Amphoe Mueang Chiang Mai, Chiang
Mai, Thailand, 50200
P/O : ----
Project : ----
Project Location: Dcondo Campus Resort Juristic Person Condominium

Work Order : CH2300159
Report Number : CH2300159-AB
Date Received : Nov 07, 2023
Date Reported : Nov 13, 2023
Date Analysis Commenced : Nov 07, 2023
No. of samples received : 1
Temperature : 3.2 °C
Sampled by : Tanakron Insuta

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

Signatories

Tuanjai Thangklang
Manager



Analysis Report CH2300159

Report Number : CH2300159-AB



TESTING
No.0009

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
CH2300159-002	น้ำสระว่ายน้ำ	----	----	1x 500mL 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
MC6020	Bangkok	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, Part 9221 B, E



Analysis Report CH2300159

Report Number : CH2300159-AB



TESTING
No.0009

Sub-Matrix: PROCESS WATER

Client Sample ID

น้ำสระว่ายน้ำ

(Matrix: WATER)

Sampling Date

Nov 06, 2023 11:35 AM

Method

Testing Lab

Analytes

LOD

LOQ

Unit

Guideline

CH2300159-002

MOPH
1/2550

Result

Microbiological Parameters

MC6009	Bangkok	Total Coliforms	----	----	MPN/100mL	<10	----	<1.1	----	----
MC6020	Bangkok	Fecal Coliforms	----	----	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)

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



Analysis Report CH2300171



TESTING
No.0009

Client : Dcondo Campus Resort Juristic Person Condominium
222 Moo 1, Suthep Rd., Tambon Suthep, Amphoe Mueang Chiang Mai, Chiang
Mai, Thailand, 50200
P/O : ----
Project : ----
Project Location: Dcondo Campus Resort Juristic Person Condominium

Work Order : CH2300171
Report Number : CH2300171-AA
Date Received : Dec 08, 2023
Date Reported : Dec 14, 2023
Date Analysis Commenced : Dec 08, 2023
No. of samples received : 2
Temperature : 2.8 °C
Sampled by : Chaloamkiat Amornsriserm

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

Signatories

Kittitee Jamjumroon
Scientist (3)



Analysis Report CH2300171

Report Number : CH2300171-AA



TESTING
No.0009

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
CH2300171-001	น้ำทิ้ง	----	----	1x Plastic bottle - Preserved with H ₂ SO ₄ , 2x 1L Plastic Bottle, 1x 300mL Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x 1L Oil & Grease, refrigerated
CH2300171-002	น้ำระเหยน้ำ	----	----	1x 500mL 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
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 - S ₂ (C, F)
EN0035	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - Norg (C)
EN0045	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B and part 4500 - O (C)
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
MC6009	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B
MC6020	Bangkok	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, Part 9221 B, E



Analysis Report CH2300171

Report Number : CH2300171-AA



TESTING
No.0009

Sub-Matrix: WASTEWATER

Client Sample ID

(Matrix: WATER)

Sub-Matrix: WASTEWATER (Matrix: WATER)							Client Sample ID		น้ำทิ้ง	----	----
							Sampling Date		Dec 07, 2023 09:30 AM	----	----
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Guideline		CH2300171-001	-----	-----	
						MNRE 2548 Type A	MOPH 61 & 135	Result	----	----	
Chemical Parameters											
EN0045	Bangkok	BOD (5 days at 20°C)	----	2.0	mg/L	≤20	----	13 *	----	----	
EN0048	Bangkok	Oil & Grease	----	3	mg/L	≤20	----	<3	----	----	
EN0021	Bangkok	pH at 25°C	----	1.0	pH Unit	5-9	----	8.0	----	----	
EN0032	Bangkok	Sulfides	----	0.5	mg/L	≤1	----	<0.5 *	----	----	
EN0035	Bangkok	Total Kjeldahl Nitrogen as N	0.15	1.0	mg/L	≤35	----	12.4 *	----	----	
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	----	404	----	----	
EN0102	Bangkok	Total Suspended Solids	----	5	mg/L	≤30	----	7	----	----	



Analysis Report CH2300171

Report Number : CH2300171-AA



TESTING
No.0009

Sub-Matrix: PROCESS WATER

Client Sample ID

น้ำสระว่ายน้ำ

(Matrix: WATER)

Sampling Date

Dec 07, 2023 09:40 AM

Method	Testing Lab	Analytes	LOD	LOQ	Unit	Guideline		CH2300171-002	_____	_____
						MNRE 2548 Type A	MOPH 61 & 135	Result	----	----
Microbiological Parameters										
MC6009	Bangkok	Total Coliforms	----	----	MPN/100mL	----	<2.2	<1.1	----	----
MC6020	Bangkok	Fecal Coliforms	----	----	in 100mL	----	----	Not Detected	----	----

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)

MOPH 61 & 135: Notification of the Ministry of Public Health No. 61 B.E. 2524 & 135 B.E. 2534 on bottled drinking water (No.2) & 316 B.E. 2553 & Pathogenic 416 B.E. 2563

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 -----