

ภาคผนวก ง

ผลการติดตามตรวจสอบคุณภาพสิ่งแวดล้อม





Analysis Report CH2500327



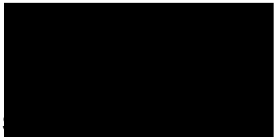
TESTING
No.0009

Client : Tanboon Co., Ltd.
171, Huaykaew Rd., Tambon Suthep, Amphoe Mueang Chiang Mai, Chiang Mai,
Thailand, 50200
P/O : EHCM202507-00264
Project : ----
Project Location: Eastin Tan Hotel Chiang Mai

Work Order : CH2500327
Report Number : CH2500327-AA
Date Received : Jul 17, 2025
Date Reported : Jul 26, 2025
Date Analysis Commenced : Jul 17, 2025
No. of samples received : 3
Temperature : 3.2 °C
Sampled by : Sitthichok Taseeda

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

Signatories



Scientist (3)



Analysis Report CH2500327

Report Number : CH2500327-AA



TESTING
No.0009

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
CH2500327-001	Influent	----	----	1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x 1L Plastic Bottle, 1x 300mL Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x 500mL Sterile Bottle - Preserved with Sodium Thiosulfate, 1x 1L Oil & Grease, 1x 500mL Plastic Bottle, refrigerated
CH2500327-002	Effluent	----	----	1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x 1L Plastic Bottle, 1x 300mL Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x 500mL Sterile Bottle - Preserved with Sodium Thiosulfate, 1x 1L Oil & Grease, 1x 500mL Plastic Bottle, refrigerated
CH2500327-003	สระว่ายน้ำ	----	----	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	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)
EN0032	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 4500-Norg (D)
EN0044	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B and part 4500 - O (G)
EN0048	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B
EN0093	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 F
EN0100	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C
EN0102	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D
MC6009	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023. Part 9221 B
MC6010	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023. Part 9221 B
MC6012	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023. Part 9221 F
MC6020	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023. Part 9221 E
MC6043	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA, WEF, 24th ed., 2023. Part 9215 B



Analysis Report CH2500327

Report Number : CH2500327-AA



TESTING
No.0009

Sub-Matrix: WASTEWATER

Client Sample ID

(Matrix: WATER)

Sub-Matrix: WASTEWATER (Matrix: WATER)						Client Sample ID		Influent	Effluent	----
Sampling Date								Jul 16, 2025 01:05 PM	Jul 16, 2025 01:00 PM	----
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Guideline		CH2500327-001	CH2500327-002	-----
						----	----	Result	Result	----
Chemical Parameters										
EN0044	Bangkok	BOD (5 days at 20°C)	----	2.0	mg/L	----	----	298	19.2	----
EN0048	Bangkok	Oil & Grease	----	3	mg/L	----	----	510	4	----
EN0021	Bangkok	pH at 25°C	----	1.0	pH Unit	----	----	4.8	6.7	----
EN0032	Bangkok	Sulfides	----	0.5	mg/L	----	----	2.0 *	<0.5 *	----
EN0035	Bangkok	Total Kjeldahl Nitrogen as N	0.15	1.0	mg/L	----	----	25.7	12.7	----
Microbiological Parameters										
MC6010	Bangkok	Total Coliforms	----	----	MPN/100mL	----	----	7900000	7900	----
Physical and Aggregate Properties										
EN0093	Bangkok	Settleable Solids	----	0.1	mL/L/hr	----	----	2 *	<0.1 *	----
EN0100	Bangkok	Total Dissolved Solids at 180°C	----	5	mg/L	----	----	352	320	----
EN0102	Bangkok	Total Suspended Solids	----	5	mg/L	----	----	292	14	----



Analysis Report CH2500327

Report Number : CH2500327-AA



TESTING
No.0009

Sub-Matrix: PROCESS WATER

Client Sample ID

(Matrix: WATER)

Sub-Matrix: PROCESS WATER							Client Sample ID		สระว่ายน้ำ	----	----
(Matrix: WATER)											
							Sampling Date		Jul 16, 2025 01:10 PM	----	----
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Guideline		CH2500327-003	-----	-----	
						----	----	Result	----	----	
Microbiological Parameters											
MC6009	Bangkok	Total Coliforms	----	----	MPN/100mL	----	----	<1.1	----	----	
MC6012	Bangkok	Escherichia coli	----	----	in 100mL	----	----	Not Detected	----	----	
MC6020	Bangkok	Fecal Coliforms	----	----	in 100mL	----	----	Not Detected	----	----	
MC6043	Bangkok	Standard Plate Count	----	----	CFU/mL	----	----	<1	----	----	

Guideline: ----

Comment: 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 CH2500362



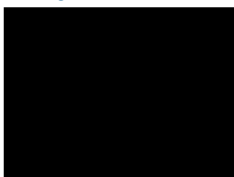
TESTING
No.0009

Client : Tanboon Co., Ltd.
171, Huaykaew Rd., Tambon Suthep, Amphoe Mueang Chiang Mai, Chiang Mai,
Thailand, 50200
P/O : EHCM202508-00860
Project : ----
Project Location: Eastin Tan Hotel Chiang Mai

Work Order : CH2500362
Report Number : CH2500362-AA
Date Received : Aug 08, 2025
Date Reported : Aug 19, 2025
Date Analysis Commenced : Aug 08, 2025
No. of samples received : 3
Temperature : 3.2 °C
Sampled by : Chaloamkiat Amornsriserm

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

Signatories



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 CH2500362

Report Number : CH2500362-AA



TESTING
No.0009

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
CH2500362-001	Influent	----	----	1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x 1L Plastic Bottle, 1x 300mL Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x 500mL Sterile Bottle - Preserved with Sodium Thiosulfate, 1x 1L Oil & Grease, 1x 500mL Plastic Bottle, refrigerated
CH2500362-002	Effluent	----	----	1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x 1L Plastic Bottle, 1x 300mL Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x 500mL Sterile Bottle - Preserved with Sodium Thiosulfate, 1x 1L Oil & Grease, 1x 500mL Plastic Bottle, refrigerated
CH2500362-003	สระว่ายน้ำ	----	----	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	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)
EN0032	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 4500-Norg (D)
EN0044	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B and part 4500 - O (G)
EN0048	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B
EN0093	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 F
EN0100	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C
EN0102	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D
MC6009	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023. Part 9221 B
MC6010	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023. Part 9221 B
MC6012	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023. Part 9221 F
MC6020	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023. Part 9221 E
MC6043	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA, WEF, 24th ed., 2023. Part 9215 B



Analysis Report CH2500362

Report Number : CH2500362-AA



TESTING
No.0009

Sub-Matrix: WASTEWATER

Client Sample ID

Influent

Effluent

(Matrix: WATER)

Sampling Date

Aug 07, 2025 01:40 PM

Aug 07, 2025 01:50 PM

Method	Testing Lab	Analytes	LOD	LOQ	Unit	Guideline		CH2500362-001	CH2500362-002	-----
						----	----	Result	Result	----
Chemical Parameters										
EN0044	Bangkok	BOD (5 days at 20°C)	----	2.0	mg/L	----	----	724	6.9	----
EN0048	Bangkok	Oil & Grease	----	3	mg/L	----	----	131	<3	----
EN0021	Bangkok	pH at 25°C	----	1.0	pH Unit	----	----	5.1	6.6	----
EN0032	Bangkok	Sulfides	----	0.5	mg/L	----	----	1.4 *	<0.5 *	----
EN0035	Bangkok	Total Kjeldahl Nitrogen as N	0.15	1.0	mg/L	----	----	23.3	17.6	----
Microbiological Parameters										
MC6010	Bangkok	Total Coliforms	----	----	MPN/100mL	----	----	17000000	13000	----
Physical and Aggregate Properties										
EN0093	Bangkok	Settleable Solids	----	0.1	mL/L/hr	----	----	<0.1 *	<0.1 *	----
EN0100	Bangkok	Total Dissolved Solids at 180°C	----	5	mg/L	----	----	340	384	----
EN0102	Bangkok	Total Suspended Solids	----	5	mg/L	----	----	780	12	----



Analysis Report CH2500362

Report Number : CH2500362-AA



TESTING
No.0009

Sub-Matrix: PROCESS WATER						Client Sample ID		สระว่ายนํ้า	----	----
(Matrix: WATER)						Sampling Date		Aug 07, 2025 02:00 PM	----	----
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Guideline		CH2500362-003	-----	-----
						----	----	Result	----	----
Microbiological Parameters										
MC6009	Bangkok	Total Coliforms	----	----	MPN/100mL	----	----	<1.1	----	----
MC6012	Bangkok	Escherichia coli	----	----	in 100mL	----	----	Not Detected	----	----
MC6020	Bangkok	Fecal Coliforms	----	----	in 100mL	----	----	Not Detected	----	----
MC6043	Bangkok	Standard Plate Count	----	----	CFU/mL	----	----	7	----	----

Guideline: ----

Comment: 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 CH2500401



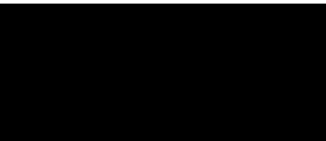
TESTING
No.0009

Client : Tanboon Co., Ltd.
171, Huaykaew Rd., Tambon Suthep, Amphoe Mueang Chiang Mai, Chiang Mai,
Thailand, 50200
P/O : EHCM202509-01629
Project : ----
Project Location: Eastin Tan Hotel Chiang Mai

Work Order : CH2500401
Report Number : CH2500401-AA
Date Received : Sep 10, 2025
Date Reported : Sep 19, 2025
Date Analysis Commenced : Sep 10, 2025
No. of samples received : 2
Temperature : 3.1 °C
Sampled by : Chaloamkiat Amornsriserm

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

Signatories



Lab Manager - Microbiology



Analysis Report CH2500401

Report Number : CH2500401-AA



TESTING
No.0009

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
CH2500401-001	Influent	----	----	1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x 1L Plastic Bottle, 1x 300mL Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x 500mL Sterile Bottle - Preserved with Sodium Thiosulfate, 1x 1L Oil & Grease, 1x 500mL Plastic Bottle, refrigerated
CH2500401-002	Effluent	----	----	1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x 1L Plastic Bottle, 1x 300mL Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x 500mL Sterile Bottle - Preserved with Sodium Thiosulfate, 1x 1L Oil & Grease, 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
EN0021	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)
EN0032	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 4500-Norg (D)
EN0044	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B and part 4500 - O (G)
EN0048	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B
EN0093	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 F
EN0100	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C
EN0102	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D
MC6010	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023. Part 9221 B



Analysis Report CH2500401

Report Number : CH2500401-AA



TESTING
No.0009

Sub-Matrix: WASTEWATER

Client Sample ID

(Matrix: WATER)

Sub-Matrix: WASTEWATER (Matrix: WATER)							Client Sample ID		Influent	Effluent	----
							Sampling Date		Sep 09, 2025 11:00 AM	Sep 09, 2025 11:10 AM	----
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Guideline		CH2500401-001	CH2500401-002	-----	
						----	----	Result	Result	----	
Chemical Parameters											
EN0044	Bangkok	BOD (5 days at 20°C)	----	2.0	mg/L	----	----	424	26.2	----	
EN0048	Bangkok	Oil & Grease	----	3	mg/L	----	----	78	<3	----	
EN0021	Bangkok	pH at 25°C	----	1.0	pH Unit	----	----	5.9	7.6	----	
EN0032	Bangkok	Sulfides	----	0.5	mg/L	----	----	<0.5 *	<0.5 *	----	
EN0035	Bangkok	Total Kjeldahl Nitrogen as N	0.15	1.0	mg/L	----	----	10.8	44.2	----	
Microbiological Parameters											
MC6010	Bangkok	Total Coliforms	----	----	MPN/100mL	----	----	>160000000	790000	----	
Physical and Aggregate Properties											
EN0093	Bangkok	Settleable Solids	----	0.1	mL/L/hr	----	----	0.2 *	<0.1 *	----	
EN0100	Bangkok	Total Dissolved Solids at 180°C	----	5	mg/L	----	----	512	236	----	
EN0102	Bangkok	Total Suspended Solids	----	5	mg/L	----	----	100	29	----	

Guideline: ----

Comment: 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 CH2500401



TESTING
No.0009

Client : Tanboon Co., Ltd.
171, Huaykaew Rd., Tambon Suthep, Amphoe Mueang Chiang Mai, Chiang Mai,
Thailand, 50200
P/O : EHCM202509-01629
Project : ----
Project Location: Eastin Tan Hotel Chiang Mai

Work Order : CH2500401
Report Number : CH2500401-AB
Date Received : Sep 10, 2025
Date Reported : Sep 19, 2025
Date Analysis Commenced : Sep 10, 2025
No. of samples received : 1
Temperature : 3.1 °C
Sampled by : Chaloamkiat Amornsriserm

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

Signatories



Lab Manager - Microbiology



Analysis Report CH2500401

Report Number : CH2500401-AB



TESTING
No.0009

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
CH2500401-003	สระว่ายน้ำ	----	----	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, 24th ed., 2023. Part 9221 B
MC6012	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023. Part 9221 F
MC6020	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023. Part 9221 E
MC6043	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA, WEF, 24th ed., 2023. Part 9215 B



Analysis Report CH2500401

Report Number : CH2500401-AB



TESTING
No.0009

Sub-Matrix: PROCESS WATER						Client Sample ID		สระว่ายน้ำ	---	---
(Matrix: WATER)						Sampling Date		Sep 09, 2025 11:20 AM	---	---
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Guideline		CH2500401-003	-----	-----
						---	---	Result	---	---
Microbiological Parameters										
MC6009	Bangkok	Total Coliforms	----	----	MPN/100mL	----	----	<1.1	----	----
MC6012	Bangkok	Escherichia coli	----	----	in 100mL	----	----	Not Detected	----	----
MC6020	Bangkok	Fecal Coliforms	----	----	in 100mL	----	----	Not Detected	----	----
MC6043	Bangkok	Standard Plate Count	----	----	CFU/mL	----	----	<1	----	----

Guideline: ----

Comment: 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 CH2500440



ISO/IEC 17025
Accreditation No. 1031/47



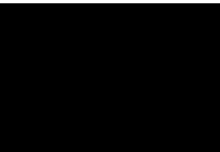
TESTING
No.0009

Client : Tanboon Co., Ltd.
171, Huaykaew Rd., Tambon Suthep, Amphoe Mueang Chiang Mai, Chiang Mai,
Thailand, 50200
P/O : EHCM202510-02356
Project : ----
Project Location: Eastin Tan Hotel Chiang Mai

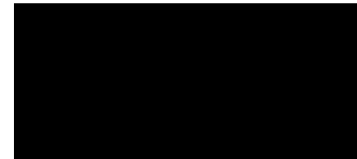
Work Order : CH2500440
Report Number : CH2500440-AA
Date Received : Oct 09, 2025
Date Reported : Oct 20, 2025
Date Analysis Commenced : Oct 09, 2025
No. of samples received : 3
Temperature : 2.6 °C
Sampled by : Nattapong Sopa (จ-204-จ-0189)

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

Signatories



Scientist (3)



จ-204-ค-0004



Analysis Report CH2500440

Report Number : CH2500440-AA



ISO/IEC 17025
Accreditation No. 1031/47



TESTING
No.0009

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
CH2500440-001	Influent	----	----	1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x 1L Plastic Bottle, 1x 300mL Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x 500mL Sterile Bottle - Preserved with Sodium Thiosulfate, 1x 1L Oil & Grease, 1x 500mL Plastic Bottle, refrigerated
CH2500440-002	Effluent	----	----	1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x 1L Plastic Bottle, 1x 300mL Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x 500mL Sterile Bottle - Preserved with Sodium Thiosulfate, 1x 1L Oil & Grease, 1x 500mL Plastic Bottle, refrigerated
CH2500440-003	สระว่ายน้ำ	----	----	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	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)
EN0032	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - S2 (C, F)
EN0035	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - Norg (C)
EN0044	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B and part 4500 - O (G)
EN0048	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B
EN0093	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 F
EN0100	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C
EN0102	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D
MC6009	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023. Part 9221 B
MC6010	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023. Part 9221 B
MC6012	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023. Part 9221 F
MC6020	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023. Part 9221 E
MC6043	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA, WEF, 24th ed., 2023. Part 9215 B



Analysis Report CH2500440

Report Number : CH2500440-AA



ISO/IEC 17025
Accreditation No. 1031/47



TESTING
No.0009

Sub-Matrix: WASTEWATER

Client Sample ID

(Matrix: WATER)

Sub-Matrix: WASTEWATER (Matrix: WATER)						Client Sample ID		Influent	Effluent	----
Sampling Date								Oct 08, 2025 02:00 PM	Oct 08, 2025 02:10 PM	----
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Guideline		CH2500440-001	CH2500440-002	-----
						----	----	Result	Result	----
Chemical Parameters										
EN0044	Bangkok	BOD (5 days at 20°C)	----	2.0	mg/L	----	----	1220	19.3	----
EN0048	Bangkok	Oil & Grease	----	3	mg/L	----	----	1980	4	----
EN0021	Bangkok	pH at 25°C	----	1.0	pH Unit	----	----	4.8	7.8	----
EN0032	Bangkok	Sulfides	----	0.5	mg/L	----	----	1.6 *	<0.5 *	----
EN0035	Bangkok	Total Kjeldahl Nitrogen as N	0.15	1.0	mg/L	----	----	15.7	45.7	----
Microbiological Parameters										
MC6010	Bangkok	Total Coliforms	----	----	MPN/100mL	----	----	7900000	3300000	----
Physical and Aggregate Properties										
EN0093	Bangkok	Settleable Solids	----	0.1	mL/L/hr	----	----	10 *	<0.1 *	----
EN0100	Bangkok	Total Dissolved Solids at 180°C	----	5	mg/L	----	----	316	224	----
EN0102	Bangkok	Total Suspended Solids	----	5	mg/L	----	----	670	43	----



Analysis Report CH2500440

Report Number : CH2500440-AA



ISO/IEC 17025
Accreditation No. 1031/47



TESTING
No.0009

Sub-Matrix: PROCESS WATER						Client Sample ID		สระว่ายน้ำ	---	---
(Matrix: WATER)						Sampling Date		Oct 08, 2025 02:15 PM	----	----
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Guideline		CH2500440-003	-----	-----
						----	----	Result	----	----
Microbiological Parameters										
MC6009	Bangkok	Total Coliforms	----	----	MPN/100mL	----	----	<1.1	----	----
MC6012	Bangkok	Escherichia coli	----	----	in 100mL	----	----	Not Detected	----	----
MC6020	Bangkok	Fecal Coliforms	----	----	in 100mL	----	----	Not Detected	----	----
MC6043	Bangkok	Standard Plate Count	----	----	CFU/mL	----	----	<1	----	----

Guideline: ----

Comment: 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 CH2500483



TESTING
No.0009

Client : Tanboon Co., Ltd.
171, Huaykaew Rd., Tambon Suthep, Amphoe Mueang Chiang Mai, Chiang Mai,
Thailand, 50200
P/O : EHCM202511-03295
Project : ----
Project Location: Eastin Tan Hotel Chiang Mai

Work Order : CH2500483
Report Number : CH2500483-AB
Date Received : Nov 14, 2025
Date Reported : Nov 25, 2025
Date Analysis Commenced : Nov 14, 2025
No. of samples received : 2
Temperature : 3.0 °C
Sampled by : Tanakron Insuta

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

Signatories

Lab Manager - Microbiology



Analysis Report CH2500483

Report Number : CH2500483-AB



TESTING
No.0009

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
CH2500483-002	Influent	----	----	1x Plastic bottle - Preserved with H2SO4, 1x 1L Plastic Bottle, 1x 300mL Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x 500mL Sterile Bottle - Preserved with Sodium Thiosulfate, 1x 1L Oil & Grease, 1x 500mL Plastic Bottle, refrigerated
CH2500483-003	Effluent	----	----	1x Plastic bottle - Preserved with H2SO4, 1x 1L Plastic Bottle, 1x 300mL Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x 500mL Sterile Bottle - Preserved with Sodium Thiosulfate, 1x 1L Oil & Grease, 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
EN0021	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)
EN0032	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 4500-Norg (D)
EN0044	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B and part 4500 - O (G)
EN0048	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B
EN0093	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 F
EN0100	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C
EN0102	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D
MC6010	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023. Part 9221 B



Analysis Report CH2500483

Report Number : CH2500483-AB



TESTING
No.0009

Sub-Matrix: WASTEWATER

Client Sample ID

(Matrix: WATER)

Sub-Matrix: WASTEWATER (Matrix: WATER)							Client Sample ID		Influent	Effluent	----
							Sampling Date		Nov 13, 2025 10:00 AM	Nov 13, 2025 10:10 AM	----
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Guideline		CH2500483-002	CH2500483-003	-----	
						----	----	Result	Result	----	
Chemical Parameters											
EN0044	Bangkok	BOD (5 days at 20°C)	----	2.0	mg/L	----	----	702	7.1	----	
EN0048	Bangkok	Oil & Grease	----	3	mg/L	----	----	928	<3	----	
EN0021	Bangkok	pH at 25°C	----	1.0	pH Unit	----	----	4.6	7.4	----	
EN0032	Bangkok	Sulfides	----	0.5	mg/L	----	----	<0.5 *	<0.5 *	----	
EN0035	Bangkok	Total Kjeldahl Nitrogen as N	0.15	1.0	mg/L	----	----	23.1	16.5	----	
Microbiological Parameters											
MC6010	Bangkok	Total Coliforms	----	----	MPN/100mL	----	----	92000000	17000	----	
Physical and Aggregate Properties											
EN0093	Bangkok	Settleable Solids	----	0.1	mL/L/hr	----	----	<0.1 *	<0.1 *	----	
EN0100	Bangkok	Total Dissolved Solids at 180°C	----	5	mg/L	----	----	532	220	----	
EN0102	Bangkok	Total Suspended Solids	----	5	mg/L	----	----	142	8	----	

Guideline: ----

Comment: 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 CH2500483



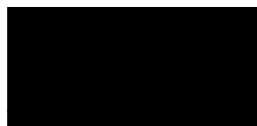
TESTING
No.0009

Client : Tanboon Co., Ltd.
171, Huaykaew Rd., Tambon Suthep, Amphoe Mueang Chiang Mai, Chiang Mai,
Thailand, 50200
P/O : EHCM202511-03295
Project : ----
Project Location: Eastin Tan Hotel Chiang Mai

Work Order : CH2500483
Report Number : CH2500483-AA
Date Received : Nov 14, 2025
Date Reported : Nov 25, 2025
Date Analysis Commenced : Nov 14, 2025
No. of samples received : 1
Temperature : 3.0 °C
Sampled by : Tanakron Insuta

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

Signatories



Lab Manager - Microbiology



Analysis Report CH2500483

Report Number : CH2500483-AA



TESTING
No.0009

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
CH2500483-001	สระว่ายน้ำ	----	----	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, 24th ed., 2023. Part 9221 B
MC6012	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023. Part 9221 F
MC6020	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023. Part 9221 E
MC6043	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA, WEF, 24th ed., 2023. Part 9215 B



Analysis Report CH2500483

Report Number : CH2500483-AA



TESTING
No.0009

Sub-Matrix: PROCESS WATER						Client Sample ID		สระว่ายนํ้า	----	----
(Matrix: WATER)						Sampling Date		Nov 13, 2025 10:20 AM	----	----
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Guideline		CH2500483-001	-----	-----
						----	----	Result	----	----
Microbiological Parameters										
MC6009	Bangkok	Total Coliforms	----	----	MPN/100mL	----	----	<1.1	----	----
MC6012	Bangkok	Escherichia coli	----	----	in 100mL	----	----	Not Detected	----	----
MC6020	Bangkok	Fecal Coliforms	----	----	in 100mL	----	----	Not Detected	----	----
MC6043	Bangkok	Standard Plate Count	----	----	CFU/mL	----	----	<1	----	----

Guideline: ----
Comment: 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 CH2500506



ISO/IEC 17025
Accreditation No. 1031/47

Client : Tanboon Co., Ltd.
171, Huaykaew Rd., Tambon Suthep, Amphoe Mueang Chiang Mai, Chiang Mai,
Thailand, 50200
P/O : EHCM202512-03827
Project : ----
Project Location: Tanboon Co., Ltd.

Work Order : CH2500506
Report Number : CH2500506-AC
Date Received : Dec 05, 2025
Date Reported : Dec 23, 2025
Date Analysis Commenced : Dec 05, 2025
No. of samples received : 4
Temperature : 3.2 °C
Sampled by : Chaloamkiat Amornsriserm

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

Signatories



Lab Manager - Microbiology

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 CH2500506

Report Number : CH2500506-AC



ISO/IEC 17025
Accreditation No. 1031/47

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
CH2500506-003	Supply Water : Kitchen	----	----	1x 1L Plastic Bottle, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Plastic Bottle - Preserved with HNO3, refrigerated
CH2500506-004	น้ำแข็ง	----	----	2x 500g Plastic Bag, 1x Sterile Bag, refrigerated, 1x 400g Plastic Bag, refrigerated
CH2500506-005	Drinking Water	----	----	6x Client Container (Sealed), refrigerated
CH2500506-006	ถาดรองน้ำแอร์	----	----	2x 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
EN0002	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B
EN0021	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)
EN0029	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - SiO2 (D)
EN0041	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2340 C
EN0077	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2320 B
EN0081	Bangkok	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 B
EN0082	Bangkok	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510B
EN0101	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 B
EN0104	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B
MC6009	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023. Part 9221 B
MC6012	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023. Part 9221 F
MC6032	Bangkok	ISO 11731 : 2017
MC6043	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA, WEF, 23rd Edition, 2017. Part 9215 B
ME0002	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125,3030 F



Analysis Report CH2500506

Report Number : CH2500506-AC



ISO/IEC 17025
Accreditation No. 1031/47

Sub-Matrix: PROCESS WATER

Client Sample ID

Supply Water : Kitchen

น้ำแข็ง

Drinking Water

(Matrix: WATER)

						Sampling Date		Dec 04, 2025 10:30 AM	Dec 04, 2025 10:25 AM	Dec 04, 2025 10:30 AM
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Guideline		CH2500506-003	CH2500506-004	CH2500506-005
						----	----	Result	Result	Result
Chemical Parameters										
EN0002	Bangkok	Chloride as Cl	0.06	0.2	mg/L	----	----	16.5	1.0	1.2
EN0021	Bangkok	pH at 25°C	----	1.0	pH Unit	----	----	7.5	7.7	7.6
EN0029	Bangkok	Silica as SiO2	0.007	0.02	mg/L	----	----	18 *	0.040 *	1.6 *
EN0002	Bangkok	Sulfate	0.15	0.5	mg/L	----	----	7.8	0.6	<0.5
EN0041	Bangkok	Total Hardness as CaCO3	----	1	mg/L	----	----	63	4	<1
Metals and Major Cations - Total										
ME0002	Bangkok	Iron	0.003	0.005	mg/L	----	----	0.094	0.006	Not Detected
ME0002	Bangkok	Manganese	0.0003	0.0005	mg/L	----	----	0.0286	0.0016	Not Detected
Microbiological Parameters										
MC6009	Bangkok	Total Coliforms	----	----	MPN/100mL	----	----	<1.1	<1.1	<1.1
MC6012	Bangkok	<i>Escherichia coli</i>	----	----	in 100mL	----	----	Not Detected	Not Detected	Not Detected
MC6043	Bangkok	Standard Plate Count	----	----	CFU/mL	----	----	<1	<1	----
Physical and Aggregate Properties										
EN0081	Bangkok	Color (Apparent)	----	5	Color unit	----	----	<5 *	<5 *	<5 *
EN0101	Bangkok	Total Solids	----	5	mg/L	----	----	120	<5	8
EN0082	Bangkok	Conductivity at 25 °C	----	0.50	µS/cm	----	----	149 *	1060 *	11.8 *
EN0077	Bangkok	Methyl Orange Alkalinity as CaCO3	----	1	mg/L	----	----	66 *	5 *	5 *
EN0077	Bangkok	Phenolphthalein Alkalinity as CaCO3	----	1	mg/L	----	----	<1 *	<1 *	<1 *
EN0104	Bangkok	Turbidity	----	0.1	NTU	----	----	0.8	0.2	0.3



Analysis Report CH2500506

Report Number : CH2500506-AC



ISO/IEC 17025
Accreditation No. 1031/47

Sub-Matrix: PROCESS WATER

Client Sample ID

ถาดรองน้ำแอร์

(Matrix: WATER)

						Sampling Date		Dec 04, 2025 10:10 AM	----	----
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Guideline		CH2500506-006	-----	-----
						----	----	Result	----	----
Microbiological Parameters										
MC6032	Bangkok	Legionella spp.	----	----	CFU/L	----	----	<1	----	----

Guideline: ----

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

Legionella spp. result <1 mean bacteria not found in agar plate

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 CH2500506



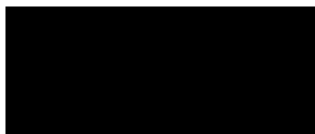
TESTING
No.0009

Client : Tanboon Co., Ltd.
171, Huaykaew Rd., Tambon Suthep, Amphoe Mueang Chiang Mai, Chiang Mai,
Thailand, 50200
P/O : EHCM202512-03827
Project : ----
Project Location: Tanboon Co., Ltd.

Work Order : CH2500506
Report Number : CH2500506-AB
Date Received : Dec 05, 2025
Date Reported : Dec 23, 2025
Date Analysis Commenced : Dec 05, 2025
No. of samples received : 2
Temperature : 3.2 °C
Sampled by : Chaloamkiat Amornsriserm

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

Signatories



Lab Manager - Microbiology



Analysis Report CH2500506

Report Number : CH2500506-AB



TESTING
No.0009

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
CH2500506-001	Waste water (Influent)	----	----	1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x 1L Plastic Bottle, 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, 1x 500mL Plastic Bottle, refrigerated
CH2500506-002	Waste water (Effluent)	----	----	1x Plastic bottle - Preserved with H ₂ SO ₄ , 1x 1L Plastic Bottle, 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, 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
EN0021	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)
EN0032	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - S2 (C, F)
EN0048	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B
EN0093	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 F
EN0100	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C
EN0102	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D
MC6010	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023. Part 9221 B



Analysis Report CH2500506

Report Number : CH2500506-AB



TESTING
No.0009

Sub-Matrix: WASTEWATER

Client Sample ID

Waste water (Influent)

Waste water (Effluent)

(Matrix: WATER)

Sampling Date

Dec 04, 2025 10:15 AM

Dec 04, 2025 10:20 AM

Method	Testing Lab	Analytes	LOD	LOQ	Unit	Guideline		CH2500506-001	CH2500506-002	-----
						----	----	Result	Result	----
Microbiological Parameters										
MC6010	Bangkok	Total Coliforms	----	----	MPN/100mL	----	----	2400000	240	----
Physical and Aggregate Properties										
EN0093	Bangkok	Settleable Solids	----	0.1	mL/L/hr	----	----	0.2 *	1.5 *	----

Guideline: ----

Comment: 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 CH2500506



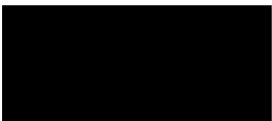
TESTING
No.0009

Client : Tanboon Co., Ltd.
171, Huaykaew Rd., Tambon Suthep, Amphoe Mueang Chiang Mai, Chiang Mai,
Thailand, 50200
P/O : EHCM202512-03827
Project : ----
Project Location: Tanboon Co., Ltd.

Work Order : CH2500506
Report Number : CH2500506-AA
Date Received : Dec 05, 2025
Date Reported : Dec 23, 2025
Date Analysis Commenced : Dec 06, 2025
No. of samples received : 2
Temperature : 3.2 °C
Sampled by : Chaloamkiat Amornsriserm

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

Signatories



Section Head



Analysis Report CH2500506

Report Number : CH2500506-AA



TESTING
No.0009

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
CH2500506-001	Waste water (Influent)	----	----	1x Plastic bottle - Preserved with H2SO4, 1x 1L Plastic Bottle, 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, 1x 500mL Plastic Bottle, refrigerated
CH2500506-002	Waste water (Effluent)	----	----	1x Plastic bottle - Preserved with H2SO4, 1x 1L Plastic Bottle, 1x Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x Sterile Bottle - Preserved with Sodium Thiosulfate, 1x Oil & Grease, 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
EN0021	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)
EN0032	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 4500-Norg (D)
EN0044	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B and part 4500 - O (G)
EN0048	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B
EN0100	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C
EN0102	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D



Analysis Report CH2500506

Report Number : CH2500506-AA



TESTING
No.0009

Sub-Matrix: WASTEWATER

Client Sample ID

Waste water (Influent)

Waste water (Effluent)

(Matrix: WATER)

Sampling Date

Dec 04, 2025 10:15 AM

Dec 04, 2025 10:20 AM

Method	Testing Lab	Analytes	LOD	LOQ	Unit	Guideline		CH2500506-001	CH2500506-002	-----
						----	----	Result	Result	----
Chemical Parameters										
EN0044	Bangkok	BOD (5 days at 20°C)	----	2.0	mg/L	----	----	794	30.6	----
EN0048	Bangkok	Oil & Grease	----	3	mg/L	----	----	44	<3	----
EN0021	Bangkok	pH at 25°C	----	1.0	pH Unit	----	----	4.7	6.4	----
EN0032	Bangkok	Sulfides	----	0.5	mg/L	----	----	2.0 *	<0.5 *	----
EN0035	Bangkok	Total Kjeldahl Nitrogen as N	0.15	1.0	mg/L	----	----	21.2	13.3	----
Physical and Aggregate Properties										
EN0100	Bangkok	Total Dissolved Solids at 180°C	----	5	mg/L	----	----	352	300	----
EN0102	Bangkok	Total Suspended Solids	----	5	mg/L	----	----	112	63	----

Guideline: ----

Comment: 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 CH2500505



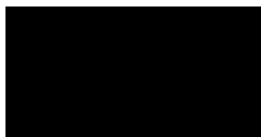
TESTING
No.0009

Client : Tanboon Co., Ltd.
171, Huaykaew Rd., Tambon Suthep, Amphoe Mueang Chiang Mai, Chiang Mai,
Thailand, 50200
P/O : EHCM202512-03827
Project : ----
Project Location: Tanboon Co., Ltd.

Work Order : CH2500505
Report Number : CH2500505-AA
Date Received : Dec 05, 2025
Date Reported : Dec 18, 2025
Date Analysis Commenced : Dec 05, 2025
No. of samples received : 1
Temperature : 3.2 °C
Sampled by : Chaloamkiat Amornsriserm

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

Signatories



Lab Manager - Microbiology



Analysis Report CH2500505

Report Number : CH2500505-AA



TESTING
No.0009

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
CH2500505-001	น้ำระเหยน้ำ	----	----	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, 24th ed., 2023. Part 9221 B
MC6012	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023. Part 9221 F
MC6020	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023. Part 9221 E
MC6043	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA, WEF, 24th ed., 2023. Part 9215 B



Analysis Report CH2500505

Report Number : CH2500505-AA



TESTING
No.0009

Sub-Matrix: PROCESS WATER

Client Sample ID

น้ำสระว่ายน้ำ

(Matrix: WATER)

Sampling Date

Dec 04, 2025 10:00 AM

Method

Testing Lab

Analytes

LOD

LOQ

Unit

Guideline

CH2500505-001

MOPH
1/2550

Result

Microbiological Parameters

MC6009	Bangkok	Total Coliforms	----	----	MPN/100mL	<10	----	<1.1	----	----
MC6012	Bangkok	<i>Escherichia coli</i>	----	----	in 100mL	Not Detected	----	Not Detected	----	----
MC6020	Bangkok	Fecal Coliforms	----	----	in 100mL	Not Detected	----	Not Detected	----	----
MC6043	Bangkok	Standard Plate Count	----	----	CFU/mL	----	----	<1	----	----

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

Comment: 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 CH2500388



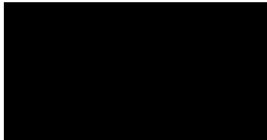
ISO/IEC 17025
Accreditation No. 1031/47

Client : Tanboon Co., Ltd.
171, Huaykaew Rd., Tambon Suthep, Amphoe Mueang Chiang Mai, Chiang Mai,
Thailand, 50200
P/O : EHCM202508-01350
Project : ----
Project Location: Eastin Tan Hotel Chiang Mai

Work Order : CH2500388
Report Number : CH2500388-AA
Date Received : Aug 27, 2025
Date Reported : Sep 12, 2025
Date Analysis Commenced : Aug 27, 2025
No. of samples received : 1
Temperature : 2.5 °C
Sampled by : Phanudeth Petchaut

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

Signatories



Scientist (3)



Analysis Report CH2500388

Report Number : CH2500388-AA



ISO/IEC 17025
Accreditation No. 1031/47

Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
CH2500388-001	ถังพักน้ำ	----	----	2x 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
MC6032	Bangkok	ISO 11731 : 2017



Analysis Report CH2500388

Report Number : CH2500388-AA



ISO/IEC 17025
Accreditation No. 1031/47

Sub-Matrix: PROCESS WATER							Client Sample ID		ถึงพักน้ำ	---	---
(Matrix: WATER)							Sampling Date		Aug 26, 2025 10:30 AM	---	---
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Guideline		CH2500388-001	-----	-----	
						---	---	Result	---	---	
Microbiological Parameters											
MC6032	Bangkok	Legionella spp.	----	----	CFU/L	----	----	<1	----	----	

Guideline: ----

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

Legionella spp. result <1 mean bacteria not found in agar plate

Key:

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

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



Analysis Report

Work Order : CH2500387
Client : Tanboon Co., Ltd.
171, Huaykaew Rd., Tambon Suthep, Amphoe Mueang Chiang Mai, Chiang Mai,
Thailand, 50200
P/O : EHCM202508-01350
Project Location : Eastin Tan Hotel Chiang Mai

Date Received : Aug 27, 2025
Date Reported : Sep 12, 2025
Report Number : CH2500387-AA

Sample Number : CH2500387-001
Sampled Date : Aug 26, 2025 10:00 AM
Sample Name : ถาดรองน้ำแอร์ : ห้อง 301
Sample Description : Swab
Date of Analysis : Aug 27, 2025
Sampled by : Phanudeth Petchaut
Condition of Sample : 1x vial of sterile buffered rinse solution, refrigerated

Analytical Results

Analyte	Unit	LOD	LOQ	Result	Method	Testing Lab
Microbiological Parameters						
Legionella spp.	CFU/Unit	-	-	<10	MC5045	Bangkok

Key:

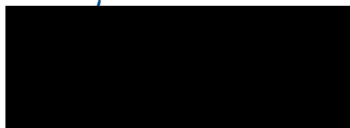
- o LOD : Limit of Detection
- o "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

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
MC5045	Bangkok	ISO 11731 : 2017

Signatories



Scientist (3)

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

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



Analysis Report

Work Order : CH2500387
Client : Tanboon Co., Ltd.
171, Huaykaew Rd., Tambon Suthep, Amphoe Mueang Chiang Mai, Chiang Mai,
Thailand, 50200
P/O : EHCM202508-01350
Project Location : Eastin Tan Hotel Chiang Mai

Date Received : Aug 27, 2025
Date Reported : Sep 12, 2025
Report Number : CH2500387-AA

Sample Number : CH2500387-002
Sampled Date : Aug 26, 2025 10:10 AM
Sample Name : ก๊อมน้ำในห้องพัก : ห้อง 301
Sample Description : Swab
Date of Analysis : Aug 27, 2025
Sampled by : Phanudeth Petchaut
Condition of Sample : 1x vial of sterile buffered rinse solution, refrigerated

Analytical Results

Analyte	Unit	LOD	LOQ	Result	Method	Testing Lab
Microbiological Parameters						
Legionella spp.	CFU/Unit	-	-	<10	MC5045	Bangkok

Key:

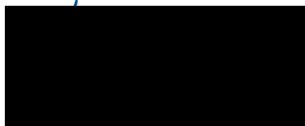
- o LOD : Limit of Detection
- o "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

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
MC5045	Bangkok	ISO 11731 : 2017

Signatories



Scientist (3)

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Analysis Report

Work Order : CH2500387
Client : Tanboon Co., Ltd.
171, Huaykaew Rd., Tambon Suthep, Amphoe Mueang Chiang Mai, Chiang Mai,
Thailand, 50200
P/O : EHCM202508-01350
Project Location : Eastin Tan Hotel Chiang Mai

Date Received : Aug 27, 2025
Date Reported : Sep 12, 2025
Report Number : CH2500387-AA

Sample Number : CH2500387-003
Sampled Date : Aug 26, 2025 10:20 AM
Sample Name : ฝักบัวในห้องพัก : ห้อง 301
Sample Description : Swab
Date of Analysis : Aug 27, 2025
Sampled by : Phanudeth Petchaut
Condition of Sample : 1x vial of sterile buffered rinse solution, refrigerated

Analytical Results

Analyte	Unit	LOD	LOQ	Result	Method	Testing Lab
Microbiological Parameters						
<i>Legionella</i> spp.	CFU/Unit	-	-	<10	MC5045	Bangkok

Key:

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

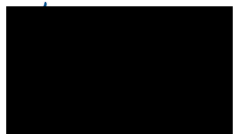
Brief Method Summaries

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
MC5045	Bangkok	ISO 11731 : 2017

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

Signatories



Scientist (3)

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

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