



Analysis / Test Report

TESTING
No.0166

Client : Bangkok Phuket Hospital Co., Ltd.
2/1, Hongyok Utis Road, Taladyai, Muang, Phuket Thailand 83000

P/O :

Project Name : Water Testing : BPK

Project Location :

Lot ID: 2547179

Date Received : Jun 05, 2025

Date Reported : Jun 18, 2025

Report Number : 3334808-1

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Sample Number	2547179-1
Sampled Date	Jun 04, 2025 10:30 AM
Sample Description	น้ำประปาปลายทาง - แผนก CCU
Location	อ่างน้ำแผนก CCU
Date Analysis Commenced	Jun 05, 2025
Condition of Sample	Contained in four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Iron	mg/L	0.003	0.005	1.25	≤0.3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Songkhla
Manganese	mg/L	0.0003	0.0005	0.007	≤0.3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Songkhla
Microbiological Testing							
<i>Escherichia coli</i>	MPN/100mL	-	-	<1.1	<1.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, F	Songkhla
Total Coliform	MPN/100mL	-	-	<1.1	<1.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Songkhla
Water Testing							
^[A] Chloride as Cl	mg/L	0.06	0.2	23.5	≤250	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
Color (Apparent) *	Color unit	-	5	50	≤15	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 B	Songkhla
^[A] Nitrate as NO ₃	mg/L	0.3	1.0	36.3	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
pH at 25 degree C		-	-	7.4	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Songkhla

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.

Approved by

Ananta B

Ananta Boonphet
Scientist (2)

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Sampled Date	Jun 04, 2025 10:30 AM
Sample Description	น้ำประปาปลายทาง - แผนก CCU
Location	อ่างน้ำแผนก CCU
Date Analysis Commenced	Jun 05, 2025
Condition of Sample	Contained in four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Residual Free Chlorine	mg/L	-	0.1	0.2	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (F)	Songkhla
^[A] Sulfate	mg/L	0.15	0.5	6.9	≤250	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	135	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Songkhla
Total Hardness as CaCO ₃	mg/L	-	1	48	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2340 C	Songkhla
Turbidity	NTU	-	0.1	7.90	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Songkhla

Guideline : เกณฑ์คุณภาพน้ำประปาดื่มได้ ประกาศ กรมอนามัย พ.ศ. 2563

Sampling By : Yuttapong Rattana , Sakkarin Panpheng

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- [A] Analysis conducted by ALS Laboratory Group (Thailand) Co.,Ltd. Bangkok Branch, DMS Accreditation No. 1031/47.
- Sampling is not included in scope of accreditation ISO/IEC 17025

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