



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: 21139629

Date Received : Jan 05, 2022

Date Reported : Jan 15, 2022

Report Number : 2159491-1

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Sample Number	21139629-1
Sampled Date	Jan 04, 2022 11:20 AM
Sample Description	น้ำประปา ICU
Location	อ่างน้ำผน ICU
Date Analysis Commenced	Jan 05, 2022
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	0.001	0.005	0.10	≤0.3	Based on APHA (2017), 3125	Songkhla
Manganese	mg/L	0.001	0.005	0.01	≤0.3	Based on APHA (2017), 3125	Songkhla
Microbiological Testing							
<i>Clostridium perfringens</i>	in 100 mL	-	-	Not Detected	Not Detected	In-house method based on APHA (2017), 9260 A, B	Songkhla
<i>Escherichia coli</i>	in 100 mL	-	-	Not Detected	Not Detected	APHA (2017), 9221 F	Songkhla
<i>Salmonella spp.</i>	in 100 mL	-	-	Not Detected	Not Detected	ISO 19250 (2010)	Songkhla
<i>Staphylococcus aureus</i>	in 100 mL	-	-	Not Detected	Not Detected	In-house method based on APHA (2017), 9213 B	Songkhla
Total Coliform	in 100 mL	-	-	Not Detected	Not Detected	APHA (2017), 9221 B	Songkhla
Water Testing							
^[A] Chloride as Cl	mg/L	0.06	0.2	25.7	≤250	APHA (2017), 4110 B	Bangkok
Color *	Color unit	-	5	<5	≤15	APHA (2017), 2120 B	Songkhla
^[A] Nitrate as N	mg/L	0.06	0.2	7.2	No Standard	APHA (2017), 4110 B	Bangkok
Odour *		-	-	Odourless	Non Objectionable	Based on APHA (2017), 2150	Songkhla
pH at 25 degree C		-	-	6.8	6.5-8.5	Based on APHA (2017), 4500-H (B)	Songkhla
^[A] Sulfate	mg/L	0.15	0.5	7.7	≤250	APHA (2017), 4110 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	128	≤600	APHA (2017), 2540 C	Songkhla
Total Hardness as CaCO ₃	mg/L	-	1	55	≤300	APHA (2017), 2340 C	Songkhla
Turbidity	NTU	-	0.1	0.50	≤4	APHA (2017), 2130 B	Songkhla

Guideline : Water quality standards of the Provincial Waterworks Authority , (1) : Guideline for Inorganic Mercury

Sampled By : Yuttapong Rattana , Thaksin Aintrom

Remark :

- LOD : Limit of Detection

Approved by

Sutthirak T.

Sutthirak Tiprat
Scientist (2)

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- "<" : 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, DMSc Accreditation No. 1031/47.

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Sutthirak Tiprat
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