



## Analysis / Test Report

TESTING  
No.0166

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

**Lot ID: 2276138**

Date Received : Jul 06, 2022

Date Reported : Jul 23, 2022

Report Number : 2381150-1

**P/O :**

**Project Name :** Water Testing : BPK

**Project Location :**

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<b>Sample Number</b>	2276138-2
<b>Sampled Date</b>	Jul 05, 2022 12:36 PM
<b>Sample Description</b>	น้ำประปาปลายทาง (น้ำประปา ICU)
<b>Location</b>	อ่างน้ำผนง ICU
<b>Date Analysis Commenced</b>	Jul 06, 2022
<b>Condition of Sample</b>	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
<b>Metals Testing</b>							
Iron	mg/L	0.001	0.005	0.01	≤0.3	Based on APHA (2017), 3125	Songkhla
Manganese	mg/L	0.001	0.005	<0.005	≤0.3	Based on APHA (2017), 3125	Songkhla
<b>Microbiological Testing</b>							
<i>Escherichia coli</i>	MPN/100mL	-	-	<1.1	<1.1	APHA (2017), 9221 F	Bangkok
Total Coliform	MPN/100mL	-	-	<1.1	<1.1	APHA (2017), 9221 B	Bangkok
<b>Water Testing</b>							
<sup>[A]</sup> Chloride as Cl	mg/L	0.06	0.2	24.5	≤250	APHA (2017), 4110 B	Bangkok
Color (Apparent) *	Color unit	-	5	<5	≤15	APHA (2017), 2120 B	Songkhla
<sup>[A]</sup> Nitrate as NO <sub>3</sub>	mg/L	0.3	1.0	34.1	≤50	APHA (2017), 4110 B	Bangkok
pH at 25 degree C		-	-	7.3	6.5-8.5	Based on APHA (2017), 4500-H (B)	Songkhla
Residual Free Chlorine	mg/L	-	0.1	0.3	No Standard	APHA (2017), 4500-Cl (F)	Songkhla
<sup>[A]</sup> Sulfate	mg/L	0.15	0.5	6.8	≤250.0	APHA (2017), 4110 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	194	≤500	APHA (2017), 2540 C	Songkhla
Total Hardness as CaCO <sub>3</sub>	mg/L	-	1	24	≤300	APHA (2017), 2340 C	Songkhla
Turbidity	NTU	-	0.1	0.19	≤5	APHA (2017), 2130 B	Songkhla

**Guideline :** เกณฑ์คุณภาพน้ำประปาดื่มได้ ประกาศ กรมอนามัย พ.ศ. 2563

**Sampled By :** Yuttapong Rattana , Thaksin Aintrom

**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, DMSc Accreditation No. 1031/47.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

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Approved by

Sithichok T.

Sithichok Thongnguen  
Scientist (3)

ADDRESS 114/1 Moo 8 Karnchanawanich Road T. Ban Phru A. Hat Yai Songkhla 90250 Thailand | PHONE +66 0 7489 5060 | FAX +66 0 7489 5068

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