



## Analysis / Test Report

TESTING  
No.0166

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

**P/O** : 005-4304851039

**Project Name** : Water Testing : BPK

**Project Location** :

**Lot ID: 2217106**

Date Received : Mar 02, 2022

Date Reported : Mar 17, 2022

Report Number : 2226154-1

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<b>Sample Number</b>	2217106-1
<b>Sampled Date</b>	Mar 01, 2022 12:00 PM
<b>Sample Description</b>	น้ำประปา LR&NS
<b>Location</b>	อ่างน้ำฝน LR&NS
<b>Date Analysis Commenced</b>	Mar 02, 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	0.03	≤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
<b>Microbiological Testing</b>							
<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
<b>Water Testing</b>							
<sup>[A]</sup> Chloride as Cl	mg/L	0.06	0.2	26.3	≤250	APHA (2017), 4110 B	Bangkok
Color *	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	26.8	≤50	APHA (2017), 4110 B	Bangkok
Odour *		-	-	Odourless	Non Objectionable	Based on APHA (2017), 2150	Songkhla
pH at 25 degree C		-	-	7.8	6.5-8.5	Based on APHA (2017), 4500-H (B)	Songkhla
<sup>[A]</sup> Sulfate	mg/L	0.15	0.5	9.8	≤250	APHA (2017), 4110 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	152	≤600	APHA (2017), 2540 C	Songkhla
Total Hardness as CaCO <sub>3</sub>	mg/L	-	1	49	≤300	APHA (2017), 2340 C	Songkhla
Turbidity	NTU	-	0.1	0.40	≤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 (1)

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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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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