



Accreditation No. 1031/47

Analysis / Test Report

Client : Bangkok Phuket Hospital Co., Ltd.
2/1, Hongyok Utis Road, Taladyai, Muang, Phuket Thailand 83000
P/O : 005-4304217105
Project Name : Water Testing : BPK
Project Location :

Lot ID: 21102359

Date Received : Sep 08, 2021

Date Reported : Sep 17, 2021

Report Number : 2080486-1

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Sample Number 21102359-1
Sampled Date Sep 07, 2021 10:20 AM
Sample Description น้ำประปา LR&NS
Location อ่างน้ำผนทก LR&NS
Date Analysis Commenced Sep 08, 2021
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	0.0005	0.001	0.05	≤0.3	Based on APHA (2017), 3125	Bangkok
Manganese	mg/L	0.00005	0.0001	0.01	≤0.3	Based on APHA (2017), 3125	Bangkok
Microbiological Testing							
<i>Clostridium perfringens</i> *	in 100 mL	-	-	Not Detected	Not Detected	In-house method STM No. 01-012 in connection with: - APHA (2017), 9260 A,B - BAM (2001), Chapter 16	Bangkok
<i>Escherichia coli</i> *	in 100 mL	-	-	Not Detected	Not Detected	APHA (2017), 9221 F	Bangkok
<i>Salmonella spp.</i> *	in 100 mL	-	-	Not Detected	Not Detected	ISO 19250 (2010)	Bangkok
<i>Staphylococcus aureus</i> *	in 100 mL	-	-	Not Detected	Not Detected	In-house method STM No. 01-054 in connection with: - APHA (2017), 9213 B - BAM (2016), Chapter 12	Bangkok
Total Coliform *	in 100 mL	-	-	Not Detected	Not Detected	APHA (2017), 9221 B	Bangkok
Water Testing							
Chloride as Cl	mg/L	0.06	0.2	25.8	≤250	APHA (2017), 4110 B	Bangkok
Color	Color unit	-	5	<5	≤15	APHA (2017), 2120 B	Bangkok
Nitrate as NO ₃	mg/L	0.3	1.0	31.1	≤50	APHA (2017), 4110 B	Bangkok
Odour	-	-	-	Odourless	Non Objectionable	APHA (2017), 2150 B	Bangkok
pH at 25 degree C	-	-	-	7.5	6.5-8.5	APHA (2017), 4500-H(B)	Bangkok
Sulfate	mg/L	0.15	0.5	7.3	≤250	APHA (2017), 4110 B	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	157	≤600	Based on APHA (2017), 2540 C	Bangkok
Total Hardness as CaCO ₃	mg/L	-	1	51	≤300	APHA (2017), 2340 C	Bangkok
Turbidity	NTU	-	0.1	0.40	≤4	APHA (2017), 2130 B	Bangkok

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

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.

Approved by

*Sawitree N.*Sawitree Noisangiam
Assistant Manager



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Sampled By : Yuttapong Rattana

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.

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Approved by

Sawitree N.

Sawitree Noisangiam
Assistant Manager

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