



Analysis / Test Report

TESTING
No.0166

Client : Bangkok Phuket Hospital Co., Ltd.
2/1, Hongyok Utis Road, Taladyai, Muang, Phuket Thailand 83000
P/O : 005-4305045534
Project Name : Water Testing : BPK
Project Location :

Lot ID: 2252623
Date Received : May 04, 2022
Date Reported : May 14, 2022
Report Number : 2301132-1

Page 3 of 6

Sample Number 2252623-2
Sampled Date May 03, 2022 10:33 AM
Sample Description น้ำประปา Colorectal
Location ถังเก็บน้ำล้างเครื่องมือ ชั้น 3 อ.3
Date Analysis Commenced May 04, 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	Not Detected	≤0.3	Based on APHA (2017), 3125	Songkhla
Manganese	mg/L	0.001	0.005	Not Detected	≤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	0.7	≤250	APHA (2017), 4110 B	Bangkok
Color *	Color unit	-	5	<5	≤15	APHA (2017), 2120 B	Songkhla
^[A] Nitrate as NO ₃	mg/L	0.3	1.0	2.4	≤50	APHA (2017), 4110 B	Bangkok
Odour *		-	-	Odourless	Non Objectionable	Based on APHA (2017), 2150	Songkhla
pH at 25 degree C		-	-	7.0	6.5-8.5	Based on APHA (2017), 4500-H (B)	Songkhla
^[A] Sulfate	mg/L	0.15	0.5	Not Detected	≤250	APHA (2017), 4110 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	<5	≤600	APHA (2017), 2540 C	Songkhla
Total Hardness as CaCO ₃	mg/L	-	1	<1	≤300	APHA (2017), 2340 C	Songkhla
Turbidity	NTU	-	0.1	0.20	≤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.

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
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER



Analysis / Test Report

Client : Bangkok Phuket Hospital Co., Ltd.
2/1, Hongyok Utis Road, Taladyai, Muang, Phuket Thailand 83000
P/O : 005-4305045534
Project Name : Water Testing : BPK
Project Location :

TESTING
No.0166
Lot ID: 2252623
Date Received : May 04, 2022
Date Reported : May 14, 2022
Report Number : 2301132-1

Page 4 of 6

- "<" : 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 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

Sutthirak Tiprat
Scientist (1)

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
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER