



Analysis / Test Report

TESTING
No.0166

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

Lot ID: 22103859

Date Received : Sep 07, 2022

Date Reported : Sep 26, 2022

Report Number : 2443527-1

P/O :

Project Name : Water Testing : BPK

Project Location :

Page 1 of 1

Sample Number	22103859-1
Sampled Date	Sep 06, 2022 11:40 AM
Sample Description	น้ำประปาต้นทาง (น้ำประปาโรงผลิตน้ำ)
Location	บ่อเก็บน้ำประปาโรงผลิต
Date Analysis Commenced	Sep 07, 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	0.005	≤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
Microbiological Testing							
<i>Escherichia coli</i>	MPN/100mL	-	-	<1.1	<1.1	APHA (2017), 9221 F	Songkhla
Total Coliform	MPN/100mL	-	-	<1.1	<1.1	APHA (2017), 9221 B	Songkhla
Water Testing							
^[A] Chloride as Cl	mg/L	0.06	0.2	28.1	≤250	APHA (2017), 4110 B	Bangkok
Color (Apparent) *	Color unit	-	5	<5	≤15	APHA (2017), 2120 B	Songkhla
^[A] Nitrate as NO ₃	mg/L	0.3	1.0	41.4	≤50	APHA (2017), 4110 B	Bangkok
pH at 25 degree C	-	-	-	6.8	6.5-8.5	Based on APHA (2017), 4500-H (B)	Songkhla
Residual Free Chlorine	mg/L	-	0.1	0.5	No Standard	APHA (2017), 4500-Cl (F)	Songkhla
^[A] Sulfate	mg/L	0.15	0.5	6.3	≤250	APHA (2017), 4110 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	154	≤500	APHA (2017), 2540 C	Songkhla
Total Hardness as CaCO ₃	mg/L	-	1	47	≤300	APHA (2017), 2340 C	Songkhla
Turbidity	NTU	-	0.1	0.28	≤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, DMS 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

Sutthirak T.

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