



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 - 4305321797
Project Name : Water Testing : BPK
Project Location :

Lot ID: 22116201
Date Received : Oct 05, 2022
Date Reported : Nov 04, 2022
Report Number : 2478570-1

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| Sample Number | 22116201-1 | | | | | | |
|--|--|-------|-----------|--------|---------------------------|----------------------------------|------------------|
| Sampled Date | Oct 04, 2022 9:50 AM | | | | | | |
| Sample Description | น้ำประปาต้นทาง (น้ำประปาชั้น 9 อาคาร 1) | | | | | | |
| Location | บ่อเก็บน้ำาดตฟ้าอาคาร 1 | | | | | | |
| Date Analysis Commenced | Oct 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 | 0.007 | ≤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 |
| 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 | 30.1 | ≤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 | 38.0 | ≤50 | APHA (2017), 4110 B | Bangkok |
| pH at 25 degree C | | - | - | 7.2 | 6.5-8.5 | Based on APHA (2017), 4500-H (B) | Songkhla |
| Residual Free Chlorine * | mg/L | - | 0.1 | 0.4 | No Standard | APHA (2017), 4500-Cl (F) | Songkhla |
| ^[A] Sulfate | mg/L | 0.15 | 0.5 | 7.2 | ≤250 | APHA (2017), 4110 B | Bangkok |
| Total Dissolved solids Dried at 180 degree C | mg/L | - | 5 | 198 | ≤500 | APHA (2017), 2540 C | Songkhla |
| Total Hardness as CaCO ₃ | mg/L | - | 1 | 53 | ≤300 | APHA (2017), 2340 C | Songkhla |
| Turbidity | NTU | - | 0.1 | 0.54 | ≤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.

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 T.

Sutthirak Tiprat
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