



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: 2173143

Date Received : Jul 07, 2021

Date Reported : Jul 16, 2021

Report Number : 2022021-1

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Sample Number 2173143-1
Sampled Date Jul 06, 2021 12:30 PM
Sample Description น้ำประปา ICU
Location อ่างน้ำผนง ICU
Date Analysis Commenced Jul 07, 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 | 0.11 | ≤0.3 | Based on APHA (2017), 3125 | Bangkok |
| Manganese | mg/L | 0.00005 | 0.0001 | 0.009 | ≤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 | 28.0 | ≤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 | 36.3 | ≤50 | APHA (2017), 4110 B | Bangkok |
| Odour | - | - | - | Odourless | Non Objectionable | APHA (2017), 2150 B | Bangkok |
| pH at 25 degree C | - | - | - | 6.8 | 6.5-8.5 | APHA (2017), 4500-H(B) | Bangkok |
| Sulfate | mg/L | 0.15 | 0.5 | 7.9 | ≤250 | APHA (2017), 4110 B | Bangkok |
| Total Dissolved solids Dried at 180 degree C | mg/L | - | 5 | 174 | ≤600 | Based on APHA (2017), 2540 C | Bangkok |
| Total Hardness as CaCO ₃ | mg/L | - | 1 | 57 | ≤300 | APHA (2017), 2340 C | Bangkok |
| Turbidity | NTU | - | 0.1 | 0.60 | ≤4 | APHA (2017), 2130 B | Bangkok |

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

Approved by

Tuanjai Thangklang
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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