



Accreditation No. 1031/47

Analysis / Test Report

Client : M. Water Co., Ltd.
1 Soi Vibhavadee-Rangsit 41 Yak 1, Sanambin, Donmuang, Bangkok Thailand 10210

Lot ID: 21119160

Date Received : Oct 05, 2021

Date Reported : Oct 20, 2021

Report Number : 2115016-1

P/O :
Project Name :
Project Location :

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| | |
|--------------------------------|--|
| Sample Number | 21119160-1 |
| Sampled Date | Oct 05, 2021 1:50 PM |
| Sample Description | น้ำดื่มสปริงเคิลประจำเดือนตุลาคม 2021 |
| Date Analysis Commenced | Oct 06, 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 | 0.002 | ≤0.3 | Based on APHA (2017), 3125 | Bangkok |
| Lead | mg/L | 0.00005 | 0.0002 | Not Detected | ≤0.01 | 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 |
| Standard Plate Count | CFU/mL | - | - | <1 | ≤500 | APHA (2017), 9215 B | 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 | MPN/100mL | - | - | <1.1 | <1.1 | APHA (2017), 9221 B | Bangkok |
| Water Testing | | | | | | | |
| Chloride as Cl | mg/L | 0.06 | 0.2 | 1.4 | ≤250 | APHA (2017), 4110 B | Bangkok |
| Nitrate as N | mg/L | 0.06 | 0.2 | <0.2 | ≤4 | APHA (2017), 4110 B | Bangkok |
| pH at 25 degree C | | - | - | 7.4 | 6.5-8.5 | APHA (2017), 4500-H(B) | Bangkok |
| Total Dissolved solids Dried at 180 degree C | mg/L | - | 5 | 6 | ≤500 | Based on APHA (2017), 2540 C | Bangkok |
| Total Hardness as CaCO ₃ | mg/L | 0.5 | 1 | <1 | ≤100 | APHA (2017), 2340 C | Bangkok |

Guideline : Thai Industrial Standard No. 257-2549 refer to Notification of the Ministry of Industry No. 3470 (B.E. 2549).

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.

Approved by

Tuanjai Thangklang
Assistant Manager

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