



Accreditation No. 1031/47

Analysis / Test Report

Client : M. Water Co., Ltd.
 204 Moo 3, T.Chamaep, A.Wangnoi, Phranakorn Sri Ayutthaya 13170
 P/O : MPO6711/00051
 Project Name :
 Project Location :

Lot ID: 24124226
 Date Received : Nov 05, 2024
 Date Reported : Nov 19, 2024
 Report Number : 3155246-1

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Sample Number 24124226-1
 Sampled Date Nov 05, 2024 9:10 AM
 Sample Description น้ำดื่มสปริงเคิล เดือนพฤศจิกายน 2567
 Date Analysis Commenced Nov 06, 2024
 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 | 0.003 | 0.005 | Not Detected | ≤0.3 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd Edition, 2017, part 3125 | Bangkok |
| Lead | mg/L | 0.0003 | 0.0005 | Not Detected | ≤0.01 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd Edition, 2017, part 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: - Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9260 A,B - FDA BAM online, 2001 (Chapter 16) | Bangkok |
| <i>Escherichia coli</i> | in 100 mL | - | - | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 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 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, Part 9215 B | Bangkok |
| <i>Staphylococcus aureus</i> | in 100 mL | - | - | Not Detected | Not Detected | In-house method STM No. 01-054 in connection with: - Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9213 B - FDA BAM online, 2016 (Chapter 12) | Bangkok |
| Total Coliform | MPN/100mL | - | - | <1.1 | <1.1 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B | Bangkok |

Water Testing

(Handwritten signature)

20/11/24

Approved by

(Handwritten signature: Sawitree N.)

Sawitree Noisangiam
 Manager

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report 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.

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|-------------------------|--|--|--|--|--|--|--|
| Sample Number | 24124226-1 | | | | | | |
| Sampled Date | Nov 05, 2024 9:10 AM | | | | | | |
| Sample Description | น้ำดื่มสปริงเคิล เตือนพฤศจิกายน 2567 | | | | | | |
| Date Analysis Commenced | Nov 06, 2024 | | | | | | |
| 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 |
|--|------|------|-----------|--------------|---------------------------|---|------------------|
| Water Testing | | | | | | | |
| Chloride as Cl | mg/L | 0.06 | 0.2 | Not Detected | ≤250 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B | Bangkok |
| Nitrate as N | mg/L | 0.06 | 0.2 | Not Detected | ≤4 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B | Bangkok |
| pH at 25 degree C | | - | - | 7.6 | 6.5-8.5 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B) | Bangkok |
| Total Dissolved solids Dried at 180 degree C | mg/L | - | 5 | 11 | ≤500 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C | Bangkok |
| Total Hardness as CaCO3 | mg/L | 0.5 | 1 | <1 | ≤100 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2340 C | Bangkok |

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

Sampling By : Chainarong Sriburin

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.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

11/19

20/11/24

Approved by

Sawitree N.

Sawitree Noisangiam
Manager

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