



Accreditation No. 1031/47

## Analysis / Test Report

**Client** : M. Water Co., Ltd.  
1 Soi Vibhavadee-Rangsit 41 Yak 1, Sanambin, Donmuang, Bangkok Thailand 10210  
**P/O** : MPO6502/00034  
**Project Name** :  
**Project Location** :

**Lot ID: 2245137**

Date Received : Apr 12, 2022

Date Reported : Apr 28, 2022

Report Number : 2285273-1

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**Sample Number** 2245137-1  
**Sampled Date** Apr 12, 2022  
**Sample Description** น้ำดื่มสปริงเคิลประจำเดือนเมษายน 2022  
**Date Analysis Commenced** Apr 12, 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
<b>Metals Testing</b>							
Iron	mg/L	0.003	0.005	Not Detected	≤0.3	Based on APHA (2017), 3125	Bangkok
Lead	mg/L	0.0003	0.0005	Not Detected	≤0.01	Based on APHA (2017), 3125	Bangkok
<b>Microbiological Testing</b>							
<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
<b>Water Testing</b>							
Chloride as Cl	mg/L	0.06	0.2	3.5	≤250	APHA (2017), 4110 B	Bangkok
Nitrate as N	mg/L	0.06	0.2	0.3	≤4	APHA (2017), 4110 B	Bangkok
pH at 25 degree C		-	-	7.5	6.5-8.5	APHA (2017), 4500-H(B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	16	≤500	Based on APHA (2017), 2540 C	Bangkok
Total Hardness as CaCO <sub>3</sub>	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.

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Approved by

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