



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 :**  
**Project Name :**  
**Project Location :**

**Lot ID: 2210600**

Date Received : Jan 25, 2022

Date Reported : Feb 08, 2022

Report Number : 2213769-1 Rev. No.1

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<b>Sample Number</b>	2210600-1
<b>Sampled Date</b>	Jan 25, 2022 3:00 PM
<b>Sample Description</b>	น้ำดื่มสปริงเคิลประจำเดือนมกราคม 2022
<b>Date Analysis Commenced</b>	Jan 26, 2022
<b>Condition of Sample</b>	Contained in six plastic bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Arsenic	mg/L	0.0003	0.0005	Not Detected	≤0.01	Based on APHA (2017), 3125	Bangkok
Barium	mg/L	0.0003	0.0005	0.002	≤0.7	Based on APHA (2017), 3125	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.003	Based on APHA (2017), 3125	Bangkok
Chromium	mg/L	0.0003	0.0005	Not Detected	≤0.05	Based on APHA (2017), 3125	Bangkok
Copper	mg/L	0.0003	0.0005	Not Detected	≤1	Based on APHA (2017), 3125	Bangkok
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
Manganese	mg/L	0.0003	0.0005	Not Detected	≤0.05	Based on APHA (2017), 3125	Bangkok
Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.001	Based on US EPA, Method 1631 Revision E	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	≤0.01	Based on APHA (2017), 3125	Bangkok
Zinc	mg/L	0.003	0.005	Not Detected	≤3	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	APHA (2017), 9260 B	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>							
Alkylbenzene Sulfonate as MBAS	mg/L	0.05	0.1	Not Detected	≤0.2	APHA (2017), 5540 C	Bangkok

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

Sithichok T.

Sithichok Thongnguen  
Scientist (3)



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## Analysis / Test Report

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**Lot ID: 2210600**

Date Received : Jan 25, 2022

Date Reported : Feb 08, 2022

Report Number : 2213769-1 Rev. No.1

**P/O :**  
**Project Name :**  
**Project Location :**

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<b>Sample Number</b>	2210600-1
<b>Sampled Date</b>	Jan 25, 2022 3:00 PM
<b>Sample Description</b>	น้ำดื่มสปริงเคิลประจำเดือนมกราคม 2022
<b>Date Analysis Commenced</b>	Jan 26, 2022
<b>Condition of Sample</b>	Contained in six plastic bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Chloride as Cl	mg/L	0.06	0.2	4.4	≤250	APHA (2017), 4110 B	Bangkok
Color	Color unit	-	5	<5	≤5	APHA (2017), 2120 B	Bangkok
Cyanide as CN	mg/L	0.002	0.005	Not Detected	≤0.07	Based on APHA (2017), 4500-CN (C),(E)	Bangkok
Fluoride as F	mg/L	0.05	0.1	Not Detected	≤0.7	APHA (2017), 4110 B	Bangkok
Nitrate as N	mg/L	0.06	0.2	<0.2	≤4	APHA (2017), 4110 B	Bangkok
Odour	-	-	-	Odourless	Non Objectionable	APHA (2017), 2150 B	Bangkok
pH at 25 degree C	-	-	-	7.2	6.5-8.5	Based on APHA (2017), 4500-H (B)	Bangkok
Phenol	mg/L	0.0005	0.001	Not Detected	≤0.001	Based on APHA (2017), 5530 C	Bangkok
Sulfate	mg/L	0.15	0.5	0.9	≤200	APHA (2017), 4110 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	22	≤500	Based on APHA (2017), 2540 C	Bangkok
Total Hardness as CaCO <sub>3</sub>	mg/L	0.5	1	3	≤100	APHA (2017), 2340 C	Bangkok
Turbidity	NTU	-	0.1	0.15	≤5	APHA (2017), 2130 B	Bangkok

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

**Note :** This Analysis test report is reissued to supersede report no. 2213769-1, Date Reported : Feb 04, 2022

**Sampled By :** Chawanthat Nakpanom

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

Sithichok T.

Sithichok Thongnguen  
Scientist (3)



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: 2210600**

Date Received : Jan 25, 2022

Date Reported : Feb 08, 2022

Report Number : 2213769-2 Rev. No.1

**P/O :**  
**Project Name :**  
**Project Location :**

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<b>Sample Number</b>	2210600-1
<b>Sampled Date</b>	Jan 25, 2022 3:00 PM
<b>Sample Description</b>	น้ำดื่มสปริงเคิลประจำเดือนมกราคม 2022
<b>Date Analysis Commenced</b>	Jan 26, 2022
<b>Condition of Sample</b>	Contained in six plastic bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Aluminium	mg/L	0.003	0.005	Not Detected	≤0.2	Based on APHA (2017), 3125	Bangkok
Silver	mg/L	0.0003	0.0005	Not Detected	≤0.05	Based on APHA (2017), 3125	Bangkok
<b>Water Testing</b>							
Total Solids Dried at 103-105 degree C	mg/L	-	5	24	≤500	APHA (2017), 2540 B	Bangkok

**Guideline :** Notification of the Ministry of Public Health No. 61 B.E. 2524 & 135 B.E. 2534 on bottled drinking water (No.2)

**Note :** This Analysis test report is reissued to supersede report no. 2213769-2, Date Reported : Feb 04, 2022

**Sampled By :** Chawanthat Nakpanom

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Approved by

*Savitree N.*

Savitree Noisangiam  
Assistant Manager

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## Analysis / Test Report

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

**Lot ID: 2210600**

Date Received : Jan 25, 2022  
 Date Reported : Feb 08, 2022  
 Report Number : 2213769-3 Rev. No.1

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**Sample Number** 2210600-1  
**Sampled Date** Jan 25, 2022 3:00 PM  
**Sample Description** น้ำดื่มสปริงเคิลประจำเดือนมกราคม 2022  
**Date Analysis Commenced** Jan 29, 2022  
**Condition of Sample** Contained in six plastic bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Water Testing</b>						
Bromate	mg/L	0.001	0.005	Not Detected	In-house method STM No. 04-061 based on U.S. Environmental Protection Agency, Method 300.1	Bangkok

**Note :** This Analysis test report is reissued to supersede report no. 2213769-3, Date Reported : Feb 04, 2022

**Sampled By :** Chawanthat Nakpanom

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Approved by

Narin Saiseng  
Supervisor