



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 :** MPO6402/00376  
**Project Name :**  
**Project Location :**

**Lot ID: 2152455**

Date Received : May 05, 2021  
 Date Reported : May 19, 2021  
 Report Number : 1987911-1 Rev. No.1

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<b>Sample Number</b>	2152455-1
<b>Sample Description</b>	Sprinkle Drinking Water on May 2021
<b>Date Analysis Commenced</b>	May 06, 2021
<b>Condition of Sample</b>	Contained in two glass vials and seven 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>							
Arsenic	mg/L	0.00005	0.0001	Not Detected	≤0.01	Based on APHA (2017), 3125	Bangkok
Barium	mg/L	0.00005	0.0001	0.0006	≤0.7	Based on APHA (2017), 3125	Bangkok
Cadmium	mg/L	0.00005	0.0001	Not Detected	≤0.003	Based on APHA (2017), 3125	Bangkok
Chromium	mg/L	0.00005	0.0001	0.0004	≤0.05	Based on APHA (2017), 3125	Bangkok
Copper	mg/L	0.00005	0.0001	0.0002	≤1	Based on APHA (2017), 3125	Bangkok
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
Manganese	mg/L	0.00005	0.0001	Not Detected	≤0.05	Based on APHA (2017), 3125	Bangkok
Mercury	mg/L	0.000008	0.0001	<0.0001	≤0.001	Based on US EPA, Method 1631 Revision E	Bangkok
Selenium	mg/L	0.00005	0.0001	Not Detected	≤0.01	Based on APHA (2017), 3125	Bangkok
Zinc	mg/L	0.001	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
Chloride as Cl	mg/L	0.06	0.2	1.8	≤250	APHA (2017), 4110 B	Bangkok

Approved by

*Sawitree N.*

Sawitree Noisangiam  
 Assistant Manager

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<b>Date Analysis Commenced</b>	May 06, 2021
<b>Condition of Sample</b>	Contained in two glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
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	-	-	-	6.3	6.5-8.5	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	<0.5	≤200	APHA (2017), 4110 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 CaCO3	mg/L	0.5	1	<1	≤100	APHA (2017), 2340 C	Bangkok
Turbidity	NTU	-	0.1	0.50	≤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. 1987911-1, Date Reported : May 18, 2021

**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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*Sawitree N.*

Sawitree Noisangiam  
Assistant Manager



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**P/O :** MPO6402/00376

**Project Name :**

**Project Location :**

**Lot ID: 2152455**

Date Received : May 05, 2021

Date Reported : May 18, 2021

Report Number : 1987911-3

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<b>Sample Number</b>	2152455-1
<b>Sample Description</b>	Sprinkle Drinking Water on May 2021
<b>Date Analysis Commenced</b>	May 06, 2021
<b>Condition of Sample</b>	Contained in two glass vials and seven 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>							
Aluminium	mg/L	0.0005	0.001	0.002	≤0.2	Based on APHA (2017), 3125	Bangkok
Silver	mg/L	0.00005	0.0001	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	20	≤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. 1974151-1, Date Reported : Mar 14, 2021

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Approved by

*Sawitree N.*

Sawitree Noisangiam  
Assistant Manager

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Report Number : 1987911-2

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**Sample Number** 2152455-1  
**Sample Description** Sprinkle Drinking Water on May 2021  
**Date Analysis Commenced** May 06, 2021  
**Condition of Sample** Contained in two glass vials and seven plastic bottles, 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	Based on US EPA, Method 300.1	Bangkok

**Note** : This Analysis test report is reissued to supersede report No. 1974151-1, Date Reported : Mar 14, 2021

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Approved by

*Siriluk P.*

Siriluk Puengpang  
Supervisor