



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 : MPO6502/00110

Project Name :

Project Location :

Lot ID: 2282631

Date Received : Jul 05, 2022

Date Reported : Jul 16, 2022

Report Number : 2365443-1

Page 1 of 2

Sample Number	2282631-1
Sampled Date	Jul 05, 2022 1:10 PM
Sample Description	น้ำดื่มสปริงเคิล ขนาด 18.9 ลิตร (ประจำเดือน กรกฎาคม 2565)
Date Analysis Commenced	Jul 06, 2022
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	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminium	mg/L	0.003	0.005	Not Detected	No Standard	Based on APHA (2017), 3125	Bangkok
Arsenic	mg/L	0.0003	0.0005	Not Detected	≤0.01	Based on APHA (2017), 3125	Bangkok
Barium	mg/L	0.0003	0.0005	Not Detected	≤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
Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	Based on APHA (2017), 3125	Bangkok
Zinc	mg/L	0.003	0.005	Not Detected	≤3	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	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

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)

ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand | PHONE +66 0 2760 3000 | FAX +66 0 2760 3197
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER



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 : MPO6502/00110
 Project Name :
 Project Location :

Lot ID: 2282631
 Date Received : Jul 05, 2022
 Date Reported : Jul 16, 2022
 Report Number : 2365443-1

Page 2 of 2

Sample Number	2282631-1
Sampled Date	Jul 05, 2022 1:10 PM
Sample Description	น้ำดื่มสปริงเคิล ขนาด 18.9 ลิตร (ประจำเดือน กรกฎาคม 2565)
Date Analysis Commenced	Jul 06, 2022
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	Guideline / Specification	Method	Testing Location
Water Testing							
Alkylbenzene Sulfonate as MBAS	mg/L	0.05	0.1	Not Detected	≤0.2	APHA (2017), 5540 C	Bangkok
Bromate	mg/L	0.001	0.005	Not Detected	No Standard	Based on US EPA, Method 300.1	Bangkok
Chloride as Cl	mg/L	0.06	0.2	3.5	≤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	Not Detected	≤4	APHA (2017), 4110 B	Bangkok
Odour	-	-	-	Odourless	Non Objectionable	APHA (2017), 2150 B	Bangkok
pH at 25 degree C	-	-	-	7.9	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	1.7	≤200	APHA (2017), 4110 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	25	≤500	Based on APHA (2017), 2540 C	Bangkok
Total Hardness as CaCO3	mg/L	0.5	1	<1	≤100	APHA (2017), 2340 C	Bangkok
Total Solids Dried at 103-105 degree C	mg/L	-	5	27	No Standard	APHA (2017), 2540 B	Bangkok
Turbidity	NTU	-	0.1	0.20	≤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).

Sampled By : Teerawat Puangsuk

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.

Natant
Approved. 18/7/65

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)