



REPORT OF ANALYSIS

Req. Ref. No. : CAR-062020-MIC-0325 and MIC-0328
Date Submitted : June 09, 2020
Date Analyzed : June 09-11, 2020
Date Reported : June 15, 2020
Submitted by : Customer Name :
Name of Company : **LA TRINIDAD WATER DISTRICT**
Address : **Km. 4, La Trinidad, Benguet**

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SAMPLE CODE	SAMPLE DESCRIPTION	TEST	RESULT	STANDARD* (PNS for Drinking Water, 2017)
MIC-0725 to 0741 and MIC-0769 to MIC-0776	17 Domestic water samples from source points placed in sterilized reagent bottles and with written labels, 2 _s , 3 _s , 4 _s , 5 _s , 6 _s , 8 _s , 9 _s , 12 _s , 14 _s , Lubas _s , A _s , PPSS _s , JICA _{s1} , JICA _{s2} , SWAMP _s , Pico _s and Pico _{s2} .	Total Coliform Count	2 _s - >8 MPN/100 mL 3 _s - >8 MPN/100 mL 4 _s - >8 MPN/100 mL 5 _s - >8 MPN/100 mL 6 _s - <1.1 MPN/100 mL 8 _s - <1.1 MPN/100 mL 9 _s - <1.1 MPN/100 mL 12 _s - <1.1 MPN/100mL 14 _s - >8 MPN/100mL Lubas _s - <1.1 MPN/100mL A _s - <1.1 MPN/100 mL PPSS _s - >8 MPN/100mL JICA _{s1} - >8 MPN/100mL JICA _{s2} - <1.1 MPN/100mL Swamps - <1.1 MPN/100mL Pico _{s1} - >8 MPN/100mL Pico _{s2} - <1.1 MPN/100mL	<1.1 MPN/100mL
		E. coli	2 _s - >8 MPN/100 mL 3 _s - <1.1 MPN/100 mL 4 _s - >8 MPN/100 mL 5 _s - <1.1 MPN/100 mL 14 _s - >8 MPN/100mL PPSS _s - >8 MPN/100mL JICA _{s1} - >8 MPN/100mL Pico _{s1} - <1.1 MPN/100mL	<1.1 MPN/100mL



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MIC-0725 to 0741 and MIC-0769 to MIC-0776	17 Domestic water samples from source points placed in sterilized reagent bottles and with written labels, 2s, 3s, 4s, 5s, 6s, 8s, 9s, 12s, 14s, Lubas_s, A_s, PPSS_s, JICA_{s1}, JICA_{s2}, SWAMP_s Pico_s and Pico_{s2}.	Heterotrophic Plate Count	2s – 91 CFU/mL (60-137 CFU/mL) a 3s – 108 CFU/mL (73-161 CFU/mL) a 4s – 94 CFU/mL (63-141 CFU/mL) a 5s – 75 CFU/mL (50-112 CFU/mL) a 6s – 22** CFU/mL (2-230 CFU/mL) a 8s – 3** CFU/mL (0-79 CFU/mL) a 9s – <1** CFU/mL 12s – 6** CFU/mL (0-158 CFU/mL) a 14s – 123 CFU/mL (82-184 CFU/mL) a Lubas _s – 8** CFU/mL (0-163 CFU/mL) a A _s – <1** CFU/mL PPSS _s – 7,650 CFU/mL (5,059-11,568 CFU/mL) a JICA _{s1} – 39 CFU/mL (25-61 CFU/mL) a JICA _{s2} – 4** CFU/mL (0-98 CFU/mL) a Swamp _s – 510 CFU/mL (370-703 CFU/mL) a Pico _{s1} – 114 CFU/100mL (84-154 CFU/mL) a Pico _{s2} – 34 CFU/100mL (23-50 CFU/mL) a	<500 CFU/mL
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METHODOLOGY:

Water Coliform Count / *Escherichia coli*

Multiple Tube Fermentation Technique-Most Probable Number (MPN). Following Standard Methods for the Examination of Water and Waste Water, 23rd Edition 2017, Microbiological Examination 9000: 9221B; 9223A and B (Modified) and in accordance with Merck Microbiological Manual, 12th Edition.

Heterotrophic Plate Count

Four Plate - Colony Forming Units (CFU) per mL. Following Standard Methods for the Examination of Water and Waste Water, 23rd Edition 2017, Microbiological Examination 9000: 9050C; 9215A and B.

REMARKS: Domestic water samples from 2s, 4s, 14s₁, PPSS_s, and JICA_{s1} are POSITIVE for *E. coli*.

The results given in this report are those obtained at the time of test and refer only to the particular sample submitted. This report shall not be reproduced except in full, without the written approval of the laboratory.

Philippine National Standards for Drinking Water (PNSDW, 2017)

** Estimated Heterotrophic Plate Count

Uncertainty of Measurement

Analyzed by:

Certified by:

Approved for Release by:

ARVI JOY L. BALABAG
Analyst

JAMIE BETH B. GALIAN
Technical Manager

ANGEL L. MAGUEN
Quality manager

Note: Report of analysis is not valid without seal and all entries written in bold italics are data provided by the customer.

Address: BSU Compound, Km.6, La Trinidad, Benguet 2601

e-mail address: rsticar@gmail.com

Phone No. (63)(074)422-0979

URL: <http://car.dost.gov.ph>

Fax No. (63)(074)422-2214



REPORT OF ANALYSIS

Req. Ref. No. : CAR-062020-MIC-0326, MIC-0334
Date Submitted : June 9 and 11, 2020
Date Analyzed : June 11-15, 2020
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Submitted by : Customer Name :
Name of Company : **LA TRINIDAD WATER DISTRICT**
Address : **Km. 4, Balili, La Trinidad, Benguet**
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SAMPLE CODE	SAMPLE DESCRIPTION	TEST	RESULT	STANDARD*
MIC-0742 to MIC- 0758 and 0761; MIC-0784, MIC-0785	18 Domestic water samples from terminal points placed in sterilized reagent bottle and with written label, 2 _T , 3 _T , 4 _T , 5 _T , 6 _T , 8 _T , 9 _T , 12 _T , 14 _T , Lubas _T , JICA _{T1} , JICA _{T2} , PPSS _{T1} , SWAMP _T , A _T , PICOWELL _{T1} and PICOWELL _{T2} , MCWFP _T .	Total Coliform Count	2 _T - <1.1 MPN/100 mL 3 _T - <1.1 MPN/100 mL 4 _T - <1.1 MPN/100 mL 5 _T - <1.1 MPN/100 mL 6 _T - <1.1 MPN/100 mL 8 _T - <1.1 MPN/100 mL 9 _T - <1.1 MPN/100 mL 12 _T - <1.1 MPN/100 mL 14 _T - <1.1 MPN/100 mL Lubas _T - <1.1 MPN/100 mL JICA _{T1} - <1.1 MPN/100 mL JICA _{T2} - <1.1 MPN/100 mL PPSS _{T1} - <1.1 MPN/100 mL SWAMP _T - <1.1 MPN/100 mL A _T - <1.1 MPN/100 mL PICOWELL _{T1} - <1.1 MPN/100 mL PICOWELL _{T2} - <1.1 MPN/100 mL MCWFP _T - <1.1 MPN/100 mL	<1.1 MPN/100 mL
		<i>E. coli</i>	All samples (terminal) - <1.1 MPN/100 mL	<1.1 MPN/100 mL
		Heterotrophic Plate Count	2 _T - <1** CFU/mL 3 _T - <1** CFU/mL 4 _T - <1** CFU/mL 5 _T - <1** CFU/mL 6 _T - <1** CFU/mL 8 _T - 116 CFU/mL (73-183 CFU/mL) a 9 _T - <1** CFU/mL 12 _T - <1** CFU/mL 14 _T - 25** CFU/mL (3-179 CFU/mL) a Lubas _T - <1** CFU/mL JICA _{T1} - <1** CFU/mL JICA _{T2} - 105 CFU/mL (68-160 CFU/mL) a PPSS _{T1} - 6** CFU/mL (1-45 CFU/mL) a SWAMP _T - <1** CFU/mL A _T - <1** CFU/mL PICOWELL _{T1} - <1** CFU/mL PICOWELL _{T2} - <1** CFU/mL MCWFP _T - 4** CFU/mL (0-101 CFU/mL) a	<500 CFU/mL

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METHODOLOGY:

Total Coliform Count / Escherichia coli

Multiple Tube Fermentation Technique-Most Probable Number (MPN). Following Standard Methods for the Examination of Water and Waste Water, 23rd Edition 2017, Microbiological Examination 9000: 9221B; 9223A and B (Modified) and accordance with Merck Microbiological Manual, 12th Edition.

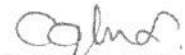
Heterotrophic Plate Count

Four Plate - Colony Forming Units (CFU) per mL. Following Standard Methods for the Examination of Water and Waste Water, 23rd Edition 2017, Microbiological Examination 9000: 9050C; 9215A and B.

REMARKS: Domestic water samples from all terminal points are NEGATIVE for *E. coli*. Heterotrophic Plate Count of all water samples are within the standard limit set by the PNSDW.

The results given in this report are those obtained at the time of test and refer only to the particular sample submitted. This report shall not be reproduced except in full, without the written approval of the laboratory.
Philippine National Standards for Drinking Water (PNSDW, 2017) * Uncertainty of Measurement
Estimated Heterotrophic Plate Count

Analized by:



LARISA ANGELLI N. LUBRICA

Analyst

Certified by:



JAMIE BETH B. GALIAN

Technical Manager

Approved for Release by:



ANGEL L. MAGUEN

Quality Manager

Note: Report of analysis is not valid without seal and all entries written in bold italics are data provided by the customer.

Address: BSU Compound, Km.6, La Trinidad, Benguet 2601
Tel. No. (63)(074)422-0979
Fax No. (63)(074)422-2214

e-mail address: rstlcar@gmail.com
URL: <http://car.doost.gov.ph>