



DENR RECOGNIZED
C.R No. 078/2019

DOH ACCREDITED
14-0001-2022-LW-1

REPORT OF ANALYSIS

Req. Ref. No. : CAR-052021-MIC-0571
Date Submitted : May 12, 2021
Date Analyzed : May 12-14, 2021
Date Reported : May 15, 2021
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
MIC-1248	Raw water sample, placed in a glass bottle, covered with orange cap, without seal, and with label, BEFORE UV.	Total Coliform Count	> 8.0 MPN/100mL
		<i>E. coli</i>	> 8.0 MPN/100mL
		Heterotrophic Plate Count	2* CFU/mL

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 in accordance with Merck Microbiological Manual, 12th Edition.

Heterotrophic Plate Count.

Pour 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: 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.

*Estimated Heterotrophic Plate Count

Analyzed by:

CLARISA 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.



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REPORT OF ANALYSIS

Req. Ref. No. : CAR-052021-MIC-0571, MIC-0573 and MIC- 0574
Date Submitted : May 12, 2021
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Address : **Km 4, La Trinidad, Benguet**

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SAMPLE CODE	SAMPLE DESCRIPTION	TEST	RESULT
MIC-1249, MIC-1279 and MIC- 1280	Raw water sample, placed in a glass bottle, covered with orange cap, without seal, and with label, AFTER UV.	Total Coliform Count	>8.0 MPN/100mL
		<i>E. coli</i>	>8.0 MPN/100mL
		Heterotrophic Plate Count	130 CFU/mL

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 in accordance with Merck Microbiological Manual, 12th Edition.

Heterotrophic Plate Count.

Pour 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: 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.

Analyzed by:


JAMIE BETH B. GALIAN
Analyst

Approved for Release by:


ANGEL L. MAGUEN
Quality Manager

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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
MIC-1228 to MIC-1247	20 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} , PICOWELL _{T2} , MCWFP _T , Ampasit _t , and SPED _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 Ampasit _t – <1.1 MPN/100 mL SPED _T – <1.1 MPN/100 mL
		<i>E. coli</i>	All samples (terminal) – <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 – 910 CFU/mL 9 _T – <1* CFU/mL 12 _T – <1* CFU/mL 14 _T – <1* CFU/mL Lubas _T – <1* CFU/mL JICA _{T1} – <1* CFU/mL JICA _{T2} – 1,180 CFU/mL PPSS _{T1} – <1* CFU/mL SWAMP _T – <1* CFU/mL



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MIC-1228 to MIC-1247	20 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} , PICOWELL _{T2} , MCWFP _T , Ampasit _t , and SPED _T .	Heterotrophic Plate Count	A _T – <1* CFU/mL PICOWELL _{T1} – <1* CFU/mL PICOWELL _{T2} – <1* CFU/mL MCWFP _T – <1* CFU/mL Ampasit _t – <1* CFU/mL SPED _T – <1.1 MPN/100 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 in accordance with Merck Microbiological Manual, 12th Edition.

Heterotrophic Plate Count

Pour 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.

* Estimated Heterotrophic Plate Count

Analyzed by:


CLARISA ANGELLI N. LUBRICA
Analyst

Certified by:


JAMIE BETH B. GALIAN
Technical Manager

Approved for Release by:


ANGEL L. MAGUEN
Quality Manager

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REPORT OF ANALYSIS

Req. Ref. No. : CAR-052021-MIC-0572; CAR-052021-MIC-0573
Date Submitted : May 11, 2021
Date Analyzed : May 11-13, 2021
Date Reported : May 14, 2021
Submitted by : Customer Name :
Name of Company : **LA TRINIDAD WATER DISTRICT**
Address : **Km. 4, La Trinidad, Benguet**

Page : Page 1 of 2

SAMPLE CODE	SAMPLE DESCRIPTION	TEST	RESULT
MIC-1250 to MIC-1268 and MIC-1269 to MIC-1278	19 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 , Pico _{s2} , Ampasit _s and SPED _s .	Total Coliform Count	2 _s – >8.0 MPN/100 mL 3 _s – <1.1 MPN/100 mL 4 _s – >8.0 MPN/100 mL 5 _s – 4.6 MPN/100 mL 6 _s – 4.6 MPN/100 mL 8 _s – <1.1 MPN/100 mL 9 _s – <1.1 MPN/100 mL 12 _s – 4.6 MPN/100mL 14 _s – 8.0 MPN/100mL Lubas _s – >8.0 MPN/100mL A _s – 4.6 MPN/100 mL PPSS _s – >8.0 MPN/100mL JICA _{s1} – > 8.0 MPN/100mL JICA _{s2} – <1.1 MPN/100mL Swamp _s – <1.1 MPN/100mL Pico _{s1} – >8.0 MPN/100mL Pico _{s2} – <1.1 MPN/100mL Ampasit _s – <1.1 MPN/100mL SPED _s – <1.1 MPN/100mL
		E. coli	2 _s – >8.0 MPN/100 mL 4 _s – >8.0 MPN/100 mL 5 _s – <1.1 MPN/100 mL 6 _s – <1.1 MPN/100 mL 12 _s – <1.1 MPN/100mL 14 _s – <1.1 MPN/100mL Lubas _s – >8.0 MPN/100mL A _s – <1.1 MPN/100 mL PPSS _s – >8.0 MPN/100mL JICA _{s1} – >8.0 MPN/100mL Pico _{s1} – >8.0 MPN/100mL



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MIC-1250 to MIC-1268 and MIC-1269 to MIC-1278	19 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 , Pico _{s2} , Ampasit _s and SPED _s .	Heterotrophic Plate Count	2s - 2,610 CFU/mL 3s - <1* CFU/mL 4s - 1,300 CFU/mL 5s - 1,135 CFU/mL 6s - 248 CFU/mL 8s - <1* CFU/mL 9s - <1* CFU/mL 12s - <1* CFU/mL 14s - 42 CFU/mL Lubas _s - 1,380 CFU/mL A _s - 770 CFU/mL PPSS _s - 720 CFU/mL JICA _{s1} - 1,265 CFU/mL JICA _{s2} - <1* CFU/mL Swamp _s - 218 CFU/mL Pico _{s1} - 48 CFU/mL Pico _{s2} - <1* CFU/100mL Ampasit _s - 11* CFU/100mL SPED _s - 12* CFU/100mL
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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 in accordance with Merck Microbiological Manual, 12th Edition.

Heterotrophic Plate Count.

Pour 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, Lubas_s, PPSS_s, JICA_{s1} and Pico_{s1} are POSITIVE for *E. coli*.

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* Estimated Heterotrophic Plate Count

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