



REPORT OF ANALYSIS

Req. Ref. No. : CAR-102019-MIC-0627
Date Submitted : October 8, 2019
Date Analyzed : October 8-10, 2019
Date Reported : October 11, 2019
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-1491 to MIC-1507	17 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}	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**	<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 – 7*** CFU/mL 9 _T – <1*** CFU/mL 12 _T – <1*** CFU/mL 14 _T – <1*** CFU/mL Lubas _T – 3*** CFU/mL JICA _{T1} – <1*** CFU/mL JICA _{T2} – <1*** CFU/mL PPSS _{T1} – <1*** CFU/mL SWAMP _T – <1*** CFU/mL A _T – <1** CFU/mL PICOWELL _{T1} – <1*** CFU/mL PICOWELL _{T2} – <1*** CFU/mL	<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 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.

* Philippine National Standards for Drinking Water (PNSDW, 2017)

** Not PAB Accredited

*** Estimated Heterotrophic Plate Count

Analyzed by:


CLARISA ANGELLI N. LUBRICA
Approved PAB Signatory

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.



REPORT OF ANALYSIS

Req. Ref. No. : CAR-102019-MIC-0628 and MIC-0629
Date Submitted : October 08, 2019
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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-1510 to 1526 and MIC-1527 to MIC-1532	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 – <1.1** MPN/100 mL 4 _s – >8** MPN/100 mL 5 _s – <1.1* 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 – >8** MPN/100mL A _s – <1.1** MPN/100 mL PPSS _s – <1.1** 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 4 _s – >8** MPN/100 mL 14 _s – >8** MPN/100mL Lubas _s – >8** MPN/100mL JICA _{s1} – >8** MPN/100mL Pico _{s1} – 2.6** MPN/100mL	<1.1 MPN/100mL



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MIC-1510 to 1526 and MIC-1527 to MIC-1532	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}.	Heterotrophic Plate Count	2 _s – 1,230 CFU/mL (MU ± 2 CFU/mL) 3 _s – <1*** CFU/mL 4 _s – <1*** CFU/mL 5 _s – 17*** CFU/mL 6 _s – 125 CFU/mL (MU ± 2 CFU/mL) 8 _s – 370 CFU/mL (MU ± 2 CFU/mL) 9 _s – 3*** CFU/mL 12 _s – 19*** CFU/mL 14 _s – 275 CFU/mL MU ± 2 CFU/mL Lubas _s – 178 CFU/mL (MU ± 2 CFU/mL) A _s – <1*** CFU/mL PPSS _s – 16*** CFU/mL JICA _{s1} – 14** CFU/mL JICA _{s2} – <1*** CFU/mL Swamp _s – 3*** CFU/mL Pico _{s1} – 41 CFU/100mL (MU ± 2 CFU/mL) Pico _{s2} – 4*** CFU/100mL	<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 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 2_s, 4_s, 14_s, Lubas_s, JICA_{s1} and Pico_{s1} are POSITIVE for *E. coli*.

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* Philippine National Standards for Drinking Water (PNSDW, 2017)

** Not PAB Accredited

*** Estimated Heterotrophic Plate Count

Analyzed by:

Certified by:

Approved for Release by:

MARVI JOY D. BALABAG
Approved PAB Signatory

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.

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		<i>E. coli</i>	2 _s – >8** MPN/100 mL 4 _s – >8** MPN/100 mL 14 _s – >8** MPN/100mL Lubas _s – >8** MPN/100mL JICA _{s1} – >8** MPN/100mL Pico _{s1} – 2.6** MPN/100mL	<1.1 MPN/100mL



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METHODOLOGY:

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