

Republic of the Philippines

# **DEPARTMENT OF SCIENCE AND TECHNOLOGY**

Cordillera Administrative Region Regional Standards and Testing Laboratory

DENR RECOGNIZED C.R No. 078/2019

DOH ACCREDITED 14-001-2022-LW-1

### **REPORT OF ANALYSIS**

Reg. Ref. No.

: CAR-122020-MIC-0906

**Date Submitted** 

: December 9, 2020

Date Analyzed Date Reported : December 9-11, 2020

: December 14, 2020

Submitted by

: Customer Name

Name of Company : LA TRINIDAD WATER DISTRICT

Address

: Km. 4, Balili, La Trinidad, Benguet

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SAMPLE	SAMPLE	TEST	RESULT
CODE	DESCRIPTION		
MIC-1854	20 Domestic water		2 <sub>T</sub> - <1.1 MPN/100 mL
to	samples from		3 <sub>T</sub> - <1.1 MPN/100 mL
MIC-1873	terminal points		4 <sub>T</sub> - <1.1 MPN/100 mL
	placed in sterilized		5 <sub>T</sub> - <1.1 MPN/100 mL
	reagent bottle and		6 <sub>T</sub> - <1.1 MPN/100 mL
	with written label, $2_{T}$ ,		8 <sub>T</sub> - <1.1 MPN/100 mL
	$3_{T}$ , $4_{T}$ , $5_{T}$ , $6_{T}$ , $8_{T}$ , $9_{T}$ ,		9 <sub>T</sub> - <1.1 MPN/100 mL
			12 <sub>T</sub> - <1.1 MPN/100 mL
	12 <sub>T</sub> , 14 <sub>T</sub> , Lubas <sub>T</sub> ,	Total California	14 <sub>T</sub> - <1.1 MPN/100 mL
	JICATI, JICATI	Total Coliform	Lubas <sub>T</sub> - <1.1 MPN/100 mL
	PPSS <sub>T1</sub> , SWAMP <sub>T</sub> , A <sub>T</sub> ,	Count	JICA <sub>T1</sub> - <1.1 MPN/100 mL
	PICOWELL <sub>T1</sub> ,		JICA <sub>T2</sub> - <1.1 MPN/100 mL
	PICOWELL <sub>T2</sub> ,		PPSS <sub>T1</sub> - <1.1 MPN/100 mL
	MCWFP <sub>T</sub> , Ampasit <sub>t</sub>		SWAMP <sub>T</sub> -<1.1MPN/100 mL
	and SPED <sub>T</sub> .		A <sub>T</sub> - <1.1 MPN/100 mL
			PICOWELL <sub>T1</sub> -< 1.1MPN/100mL
			PICOWELL <sub>T2</sub> -< 1.1MPN/100mL
			MCWFP <sub>T</sub> -<1.1 MPN/100 mL
			Ampasit <sub>t</sub> -<1.1 MPN/100 mL
		Section Control Control	SPED <sub>T</sub> - <1.1 MPN/100 mL
		E. coli	All samples (terminal) - <1.1 MPN/100 mL
			2 <sub>T</sub> - <1* CFU/mL
			3 <sub>T</sub> - <1* CFU/mL
			4 <sub>T</sub> - <1* CF/mL
			5 <sub>T</sub> - <1** CFU/mL
			6 <sub>T</sub> - <1* CFU/mL
	8		8 <sub>T</sub> - 44 CFU/mL
	5 5 5		9 <sub>⊤</sub> - <1* CFU/mL
	5-3	Heterotrophic	12 <sub>T</sub> − <1* CFU/mL
×		Plate Count	14 <sub>T</sub> - <1* CFU/mL
		riate Count	Lubas <sub>T</sub> - <1* CFU/mL
4	-		JICA <sub>T1</sub> - <1* CFU/mL
+			JICA <sub>T2</sub> – 59 CFU/mL
75	~		PPSS <sub>T1</sub> -<1** CFU/mL
-	_		SWAMP <sub>T</sub> - <1** CFU/mL
KING L. P.		12	A <sub>T</sub> - <1** CFU/mL
36	~ ~		PICOWELL <sub>T1</sub> – <1** CFU/mL
		4	PICOWELL <sub>T2</sub> – <1** CFU/mL

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label, 2 <sub>T</sub> , 3 <sub>T</sub> , 4 <sub>T</sub> , 5 <sub>T</sub> , 6 <sub>T</sub> , 8 <sub>T</sub> , 9 <sub>T</sub> , 12 <sub>T</sub> , 14 <sub>T</sub> , Lubas <sub>T</sub> , JICA <sub>T1</sub> , JICA <sub>T2</sub> PPSS <sub>T1</sub> , SWAMP <sub>T</sub> , A <sub>T</sub> , PICOWELL <sub>T1</sub> , PICOWELL <sub>T2</sub> , MCWFP <sub>T</sub> , Ampasit <sub>t</sub> and SPED <sub>T</sub> .	MIC-1854 to MIC-1873	8 <sub>T</sub> , 9 <sub>T</sub> , 12 <sub>T</sub> , 14 <sub>T</sub> , Lubas <sub>T</sub> , JICA <sub>T1</sub> , JICA <sub>T2</sub> PPSS <sub>T1</sub> , SWAMP <sub>T</sub> , A <sub>T</sub> , PICOWELL <sub>T1</sub> , PICOWELL <sub>T2</sub> , MCWFP <sub>T</sub> ,	Heterotrophic Plate Count	MCWFP <sub>T</sub> — <1** CFU/mL Ampasit <sub>t</sub> — <1** CFU/mL SPED <sub>T</sub> <1** 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, 23<sup>rd</sup> Edition 2017, Microbiological Examination 9000: 9221B; 9223A and B (Modified) and in accordance with Merck Microbiological Manual, 12<sup>th</sup> Edition.

#### Heterotrophic Plate Count.

Pour Plate - Colony Forming Units (CFU) per mL. Following Standard Methods for the Examination of Water and Waste Water, 23<sup>rd</sup> 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:

Certified by:

Approved for Release by:

CLARISA ANGELLI N. LUBRICA

JAMIE BETH B. GALIAN

ANGEL L. MAGUEN

Analyst

**Technical Manager** 

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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SAMPLE CODE	SAMPLE DESCRIPTION	TEST	RESULT
MIC-1875	Raw water sample, placed in a sampling bottle, covered with plastic cap, without seal, and with label, AFTER UV.	Total Coliform Count	< 1.1 MPN/100mL
		E. coli	< 1.1 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, 23<sup>rd</sup> Edition 2017, Microbiological Examination 9000: 9221B; 9223A and B (Modified) and in accordance with Merck Microbiological Manual, 12<sup>th</sup> Edition.

Heterotrophic Plate Count.

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

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CLARISA ANGELLI N. LUBRICA

**Technical Manager** 

ANGEL V. MAGUE

Analyst

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