

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

Req. Ref. No.

: CAR-042021-MIC-0465; MIC-0467; MIC-0487

**Date Submitted** 

: April 13 & 19, 2021

Date Analyzed

: April 13-15 & 19-21, 2021

Date Reported Submitted by

: April 23, 2021 : Customer Name

Name of Company : LA TRINIDAD WATER DISTRICT

Address

: Km. 4, Balili, La Trinidad, Benguet

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| SAMPLE<br>CODE   | SAMPLE<br>DESCRIPTION  | TEST                      | RESULT  |
|--|--|---------------------------|---|
| MIC-0956<br>to<br>MIC-0975;<br>MIC-1003<br>to<br>MIC-1005;<br>MIC-1042<br>to<br>MIC-1045 | 20 Domestic water samples from terminal points placed in sterilized reagent bottle and with written 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>T2</sub> , MCWFP <sub>T</sub> , Ampasit <sub>t</sub> and SPED <sub>T</sub> . | Total Coliform<br>Count   | 2T - <1.1 MPN/100 mL  3T - <1.1 MPN/100 mL  4T - <1.1 MPN/100 mL  5T - <1.1 MPN/100 mL  6T - <1.1 MPN/100 mL  8T - <1.1 MPN/100 mL  9T - <1.1 MPN/100 mL  12T - <1.1 MPN/100 mL  14T - <1.1 MPN/100 mL  Lubast - <1.1 MPN/100 mL  JICAT1 - <1.1 MPN/100 mL  JICAT2 - <1.1 MPN/100 mL  PPSST1 - <1.1 MPN/100 mL  SWAMPT -<1.1 MPN/100 mL  PICOWELLT2 -<1.1 MPN/100 mL  PICOWELLT2 -<1.1 MPN/100 mL  PICOWELLT2 -<1.1 MPN/100 mL  Ampasitc - <1.1 MPN/100 mL  SPEDT - <1.1 MPN/100 mL |
|  |  | E. coli                   | All samples (terminal) - <1.1 MPN/100 mL  |
|  |  | Heterotrophic Plate Count | 2T - <1* CFU/mL<br>3T - <1* CFU/mL<br>4T - <1* CFU/mL<br>5T - <1** CFU/mL<br>6T - <1* CFU/mL<br>8T - 23* CFU/mL<br>9T - <1* CFU/mL<br>12T - <1* CFU/mL<br>14T - 2* CFU/mL<br>LubasT- <1* CFU/mL<br>JICAT1 - <1* CFU/mL<br>JICAT2 - 22* CFU/mL<br>PPSST1 - 2* CFU/mL<br>SWAMPT - 4* CFU/mL   |
| m  |  | LB.                       | SWAMPT - 4° CFU/ML  |

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| MIC-0956    | 20 Domestic water   |               | A <sub>T</sub> - <1* CFU/mL         |
|-------------|---|---------------|-------------------------------------|
| to          | samples from terminal   | Heterotrophic | PICOWELL <sub>T1</sub> – <1* CFU/mL |
| MIC-0975;   | points placed in  | Plate Count   | PICOWELL <sub>T2</sub> – 1* CFU/mL  |
| 1.5.11<br>1 | sterilized reagent  |               | MCWFP <sub>T</sub> - <1* CFU/mL     |
| MIC-1003    | bottle and with written   |               | Ampasit <sub>t</sub> - <1* CFU/mL   |
| to          | label, 2 <sub>T</sub> , 3 <sub>T</sub> , 4 <sub>T</sub> , 5 <sub>T</sub> , 6 <sub>T</sub> , |               | SPEDT - <1* CFU/mL                  |
| MIC-1005;   | 8 <sub>T</sub> , 9 <sub>T</sub> , 12 <sub>T</sub> , 14 <sub>T</sub> , Lubas <sub>T</sub> ,  |               | 5                                   |
|             | JICATI, JICATI  |               |                                     |
| MIC-1042    | PPSST1, SWAMPT, AT,   |               |                                     |
| to          | PICOWELL <sub>T1</sub>  |               |                                     |
| MIC-1045    | PICOWELL <sub>T2</sub> , MCWFP <sub>T</sub> ,   |               |                                     |
|             | Ampasitt and SPEDT.   |               | s                                   |

## 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:

Analyst

Certified by:

Approved for Release by:

CLARISA ANGELLI N. LUBRICA

JAMIE BETH B. GALIAN Technical Manager

ANGEL'L 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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