



### REPORT OF ANALYSIS

Req. Ref. No. : CAR-032020-MIC-0244  
Date Submitted : March 10, 2020  
Date Analyzed : March 10-12, 2020  
Date Reported : March 13, 2020  
Submitted by : Customer Name :  
Name of Company : **LA TRINIDAD WATER DISTRICT**  
Address : **Km. 4, Balili, La Trinidad, Benguet**

Page : Page 1 of 2

SAMPLE CODE	SAMPLE DESCRIPTION	TEST	RESULT	STANDARD*
MIC-0491 to MIC 0507 & MIC 0510	18 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>T1</sub> and PICOWELL <sub>T2</sub> , MCWFP <sub>T</sub> .	Total Coliform Count	2 <sub>T</sub> – <1.1 MPN/100 mL 3 <sub>T</sub> – <1.1 MPN/100 mL 4 <sub>T</sub> – <1.1 MPN/100 mL 5 <sub>T</sub> – <1.1 MPN/100 mL 6 <sub>T</sub> – <1.1 MPN/100 mL 8 <sub>T</sub> – <1.1 MPN/100 mL 9 <sub>T</sub> – <1.1 MPN/100 mL 12 <sub>T</sub> – <1.1 MPN/100 mL 14 <sub>T</sub> – <1.1 MPN/100 mL Lubas <sub>T</sub> – <1.1 MPN/100 mL JICA <sub>T1</sub> – <1.1 MPN/100 mL JICA <sub>T2</sub> – <1.1 MPN/100 mL PPSS <sub>T1</sub> – <1.1 MPN/100 mL SWAMP <sub>T</sub> – <1.1 MPN/100 mL A <sub>T</sub> – <1.1 MPN/100 mL PICOWELL <sub>T1</sub> – <1.1 MPN/100 mL PICOWELL <sub>T2</sub> – <1.1 MPN/100 mL MCWFP <sub>T</sub> – <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 <sub>T</sub> – <1** CFU/mL 3 <sub>T</sub> – <1** CFU/mL 4 <sub>T</sub> – <1** CFU/mL 5 <sub>T</sub> – <1** CFU/mL 6 <sub>T</sub> – <1** CFU/mL 8 <sub>T</sub> – 5** CFU/mL 9 <sub>T</sub> – <1** CFU/mL 12 <sub>T</sub> – <1** CFU/mL 14 <sub>T</sub> – <1** CFU/mL Lubas <sub>T</sub> – <1** CFU/mL JICA <sub>T1</sub> – <1** CFU/mL JICA <sub>T2</sub> – <1** CFU/mL PPSS <sub>T1</sub> – <1** CFU/mL SWAMP <sub>T</sub> – <1** CFU/mL A <sub>T</sub> – <1** CFU/mL PICOWELL <sub>T1</sub> – <1** CFU/mL PICOWELL <sub>T2</sub> – <1** CFU/mL MCWFP <sub>T</sub> – <1** CFU/mL	<500 CFU/mL



## REPORT OF ANALYSIS

Req. Ref. No. : CAR-032020-MIC-0244  
Date Submitted : March 10, 2020  
Date Analyzed : March 10-12, 2020  
Date Reported : March 13, 2020  
Submitted by : Customer Name :  
Name of Company : **LA TRINIDAD WATER DISTRICT**  
Address : **Km. 4, Balili, La Trinidad, Benguet**

Page : Page 2 of 2

### 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.

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

\*\* Estimated Heterotrophic Plate Count

Analyzed by:

  
**CLARISA ANGELLI N. LUBRICA**  
Analyst

Certified and Approved for Release by:

  
**JAMIE BETH B. GALIAN**  
Deputy 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](mailto:rstlcar@gmail.com)  
URL: <http://car.dost.gov.ph>





### REPORT OF ANALYSIS

Req. Ref. No. : CAR-032020-MIC-0243 and MIC-0245  
Date Submitted : March 10, 2020  
Date Analyzed : March 10-12, 2020  
Date Reported : March 13, 2020  
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	STANDARD* (PNS for Drinking Water, 2017)
MIC-0473 to 0489 and MIC-0511 to MIC-0516	17 Domestic water samples from source points placed in sterilized reagent bottles and with written labels, 2 <sub>s</sub> , 3 <sub>s</sub> , 4 <sub>s</sub> , 5 <sub>s</sub> , 6 <sub>s</sub> , 8 <sub>s</sub> , 9 <sub>s</sub> , 12 <sub>s</sub> , 14 <sub>s</sub> , Lubas <sub>s</sub> , A <sub>s</sub> , PPSS <sub>s</sub> , JICA <sub>s1</sub> , JICA <sub>s2</sub> , SWAMP <sub>s</sub> , Pico <sub>s</sub> and Pico <sub>s2</sub> .	Total Coliform Count	2 <sub>s</sub> – >8 MPN/100 mL 3 <sub>s</sub> – <1.1 MPN/100 mL 4 <sub>s</sub> – >8 MPN/100 mL 5 <sub>s</sub> – <1.1 MPN/100 mL 6 <sub>s</sub> – <1.1 MPN/100 mL 8 <sub>s</sub> – <1.1 MPN/100 mL 9 <sub>s</sub> – <1.1 MPN/100 mL 12 <sub>s</sub> – <1.1 MPN/100mL 14 <sub>s</sub> – >8 MPN/100mL Lubas <sub>s</sub> – >8 MPN/100mL A <sub>s</sub> – <1.1 MPN/100 mL PPSS <sub>s</sub> – >8 MPN/100mL JICA <sub>s1</sub> – >8 MPN/100mL JICA <sub>s2</sub> – <1.1 MPN/100mL Swamps – <1.1 MPN/100mL Pico <sub>s1</sub> – >8 MPN/100mL Pico <sub>s2</sub> – <1.1 MPN/100mL	<1.1 MPN/100mL
		E. coli	2 <sub>s</sub> – >8 MPN/100 mL 4 <sub>s</sub> – >8 MPN/100 mL 14 <sub>s</sub> – 2.6 MPN/100mL Lubas <sub>s</sub> – >8 MPN/100mL PPSS <sub>s</sub> – >8 MPN/100mL JICA <sub>s1</sub> – >8 MPN/100mL Pico <sub>s1</sub> – <1.1 MPN/100mL	<1.1 MPN/100mL



### REPORT OF ANALYSIS

Req. Ref. No. : CAR-032020-MIC-0243 and MIC-0245  
Date Submitted : March 10, 2020  
Date Analyzed : March 10-12, 2020  
Date Reported : March 13, 2020  
Submitted by : Customer Name :  
Name of Company : **LA TRINIDAD WATER DISTRICT**  
Address : **Km. 4, La Trinidad, Benguet**  
Page : Page 2 of 2

MIC-0473 to 0489 and MIC- 0511 to MIC-0516	<b>17 Domestic water samples from source points placed in sterilized reagent bottles and with written labels, 2<sub>s</sub>, 3<sub>s</sub>, 4<sub>s</sub>, 5<sub>s</sub>, 6<sub>s</sub>, 8<sub>s</sub>, 9<sub>s</sub>, 12<sub>s</sub>, 14<sub>s</sub>, Lubas<sub>s</sub>, A<sub>s</sub>, PPSS<sub>s</sub>, JICA<sub>s1</sub>, JICA<sub>s2</sub>, SWAMP<sub>s</sub> Pico<sub>s</sub> and Pico<sub>s2</sub>.</b>	<b>Heterotrophic Plate Count</b>	2 <sub>s</sub> – 525 CFU/mL 3 <sub>s</sub> – 55 CFU/mL 4 <sub>s</sub> – 22** CFU/mL 5 <sub>s</sub> – 3** CFU/mL 6 <sub>s</sub> – 45 CFU/mL 8 <sub>s</sub> – 196 CFU/mL 9 <sub>s</sub> – 6** CFU/mL 12 <sub>s</sub> – 11** CFU/mL 14 <sub>s</sub> – 340 CFU/mL Lubas <sub>s</sub> – 34 CFU/mL A <sub>s</sub> – 39 CFU/mL PPSS <sub>s</sub> – 1,840 CFU/mL JICA <sub>s1</sub> – 131 CFU/mL JICA <sub>s2</sub> – 4** CFU/mL Swamp <sub>s</sub> – 136 CFU/mL Pico <sub>s1</sub> – 705 CFU/100mL Pico <sub>s2</sub> – 36 CFU/100mL	<b>&lt;500 CFU/mL</b>
--	--	--------------------------------------	---	-----------------------

#### 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 2<sub>s</sub>, 4<sub>s</sub>, 14<sub>s</sub>, Lubas<sub>s</sub>, PPSS<sub>s</sub>, and JICA<sub>s1</sub> 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

Analyzed by:

Certified and Approved for Release by:

**MARVI JOY L. BALABAG**  
Analyst

**JAMIE BETH B. GALIAN**  
Technical 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](mailto:rstlcar@gmail.com)  
URL: <http://car.dost.gov.ph>





### REPORT OF ANALYSIS

Req. Ref. No. : CAR-032020-MIC-0243 and MIC-0245  
Date Submitted : March 10, 2020  
Date Analyzed : March 10-12, 2020  
Date Reported : March 13, 2020  
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	STANDARD* (PNS for Drinking Water, 2017)
MIC-0473 to 0489 and MIC-0511 to MIC-0516	17 Domestic water samples from source points placed in sterilized reagent bottles and with written labels, 2 <sub>s</sub> , 3 <sub>s</sub> , 4 <sub>s</sub> , 5 <sub>s</sub> , 6 <sub>s</sub> , 8 <sub>s</sub> , 9 <sub>s</sub> , 12 <sub>s</sub> , 14 <sub>s</sub> , Lubas <sub>s</sub> , A <sub>s</sub> , PPSS <sub>s</sub> , JICA <sub>s1</sub> , JICA <sub>s2</sub> , SWAMP <sub>s</sub> , Pico <sub>s</sub> and Pico <sub>s2</sub> .	Total Coliform Count	2 <sub>s</sub> – >8 MPN/100 mL 3 <sub>s</sub> – <1.1 MPN/100 mL 4 <sub>s</sub> – >8 MPN/100 mL 5 <sub>s</sub> – <1.1 MPN/100 mL 6 <sub>s</sub> – <1.1 MPN/100 mL 8 <sub>s</sub> – <1.1 MPN/100 mL 9 <sub>s</sub> – <1.1 MPN/100 mL 12 <sub>s</sub> – <1.1 MPN/100mL 14 <sub>s</sub> – >8 MPN/100mL Lubas <sub>s</sub> – >8 MPN/100mL A <sub>s</sub> – <1.1 MPN/100 mL PPSS <sub>s</sub> – >8 MPN/100mL JICA <sub>s1</sub> – >8 MPN/100mL JICA <sub>s2</sub> – <1.1 MPN/100mL Swamp <sub>s</sub> – <1.1 MPN/100mL Pico <sub>s1</sub> – >8 MPN/100mL Pico <sub>s2</sub> – <1.1 MPN/100mL	<1.1 MPN/100mL
		E. coli	2 <sub>s</sub> – >8 MPN/100 mL 4 <sub>s</sub> – >8 MPN/100 mL 14 <sub>s</sub> – 2.6 MPN/100mL Lubas <sub>s</sub> – >8 MPN/100mL PPSS <sub>s</sub> – >8 MPN/100mL JICA <sub>s1</sub> – >8 MPN/100mL Pico <sub>s1</sub> – <1.1 MPN/100mL	<1.1 MPN/100mL



### REPORT OF ANALYSIS

Req. Ref. No. : CAR-032020-MIC-0243 and MIC-0245  
Date Submitted : March 10, 2020  
Date Analyzed : March 10-12, 2020  
Date Reported : March 13, 2020  
Submitted by : Customer Name :  
Name of Company : **LA TRINIDAD WATER DISTRICT**  
Address : **Km. 4, La Trinidad, Benguet**  
Page : Page 2 of 2

MIC-0473 to 0489 and MIC- 0511 to MIC-0516	<b>17 Domestic water samples from source points placed in sterilized reagent bottles and with written labels, 2<sub>s</sub>, 3<sub>s</sub>, 4<sub>s</sub>, 5<sub>s</sub>, 6<sub>s</sub>, 8<sub>s</sub>, 9<sub>s</sub>, 12<sub>s</sub>, 14<sub>s</sub>, Lubass<sub>s</sub>, A<sub>s</sub>, PPSS<sub>s</sub>, JICA<sub>s1</sub>, JICA<sub>s2</sub>, SWAMP<sub>s</sub> Pico<sub>s</sub> and Pico<sub>s2</sub>.</b>	<b>Heterotrophic Plate Count</b>	2 <sub>s</sub> – 525 CFU/mL 3 <sub>s</sub> – 55 CFU/mL 4 <sub>s</sub> – 22** CFU/mL 5 <sub>s</sub> – 3** CFU/mL 6 <sub>s</sub> – 45 CFU/mL 8 <sub>s</sub> – 196 CFU/mL 9 <sub>s</sub> – 6** CFU/mL 12 <sub>s</sub> – 11** CFU/mL 14 <sub>s</sub> – 340 CFU/mL Lubass <sub>s</sub> – 34 CFU/mL A <sub>s</sub> – 39 CFU/mL PPSS <sub>s</sub> – 1,840 CFU/mL JICA <sub>s1</sub> – 131 CFU/mL JICA <sub>s2</sub> – 4** CFU/mL Swamp <sub>s</sub> – 136 CFU/mL Pico <sub>s1</sub> – 705 CFU/100mL Pico <sub>s2</sub> – 36 CFU/100mL	<b>&lt;500 CFU/mL</b>
--	---	--------------------------------------	--	-----------------------

#### 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 2<sub>s</sub>, 4<sub>s</sub>, 14<sub>s</sub>, Lubass<sub>s</sub>, PPSS<sub>s</sub>, and JICA<sub>s1</sub> 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

Analyzed by:

Certified and Approved for Release by:

**MARVI JOY L. BALABAG**  
Analyst

**JAMIE BETH B. GALIAN**  
Technical 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](mailto:rstlcar@gmail.com)  
URL: <http://car.dost.gov.ph>