

# Republic of the Philippines DEPARTMENT OF SCIENCE AND TECHNOLOGY

Cordillera Administrative Region Regional Standards and Testing Laboratory





DENR RECOGNIZED C.R No. 078/2015

FDA ACCREDITED FDA LA-2014-018

### REPORT OF ANALYSIS

Req. Ref. No.

: CAR-042017-MIC-0327

Date Submitted Date Analyzed

: April 10, 2017 : April 10-12, 2017

Date Reported

: April 12, 2017

Submitted by

: Customer Name

Name of Company Address : LA TRINIDAD WATER DISTRICT : Km. 4, Balili, La Trinidad, Benguet

Page

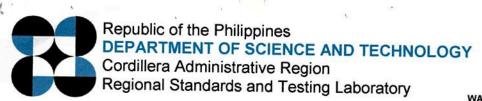
: Page 1 of 2

SAMPLE CODE	SAMPLE DESCRIPTION	TEST	RESULT	STANDARD (PNS for Drinking Water, 2007)
MIC-0652- 0667	16 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>T2</sub> , PPSS <sub>T1</sub> ,SWAMP <sub>T</sub> , A <sub>T</sub> , PICOWELL <sub>T</sub> ,	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 $8_T$ - <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 $_T$ - <1.1 MPN/100 mL JICA $_T$ - <1.1 MPN/100 mL PPSS $_T$ - <1.1 MPN/100 mL SWAMP $_T$ - <1.1 MPN/100 mL PICOWELL $_T$ - <1.1 MPN/100 mL PICOWELL $_T$ - <1.1 MPN/100 mL	<1.1 MPN/100 mL
		E. coli	All samples (terminal) – <1.1 MPN/100 mL	<1.1 MPN/100 miL
		Heterotrophic Plate Count	2T - <1* CFU/mL  3T - <1* CFU/mL  4T - <1* CFU/mL  5T - <1* CFU/mL  6T - 2* CFU/mL  8T - <1* CFU/mL  9T - <1* CFU/mL  12T - <1* CFU/mL  14T - <1* CFU/mL  JICAT1 - <1* CFU/mL  JICAT2 - <1* CFU/mL  PPSST1 - 3* CFU/mL  SWAMPT - <1* CFU/mL  PICOWELLT - <1* CFU/mL	<500 CFU/mL

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 URL: http://car.dost.gov.ph

pt





14-0001-17-LW-1



DENR RECOGNIZED C.R No. 078/2015

FDA ACCREDITED FDA LA-2014-018

#### REPORT OF ANALYSIS

Req. Ref. No.

: CAR-042017-MIC-0327

**Date Submitted** 

: April 10, 2017

Date Analyzed

: April 10-12, 2017

Date Reported

: April 12, 2017

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, 22<sup>nd</sup> Edition 2012, Microbiological Examination 9000: 9215B; 9221A, B and C; 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, 22<sup>nd</sup> Edition 2012, Microbiological Examination 9000: 9215A and B.

REMARKS: Domestic water samples from all terminal points 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:

Confirmed and Approved for Release by:

ARISA ANGELLI L. NAGPALA

Analyst

JAMIE BETH B. GALIAN Approved PAB Signatory

NANCY A. BANTOG Quality Manager

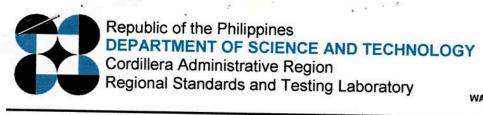
Note: Not valid without DOST-CAR seal

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

URL: http://car.dost.gov.ph







DENR RECOGNIZED C.R No. 078/2015

FDA ACCREDITED FDA LA-2014-018

## **REPORT OF ANALYSIS**

Req. Ref. No.

: CAR-042017-MIC-0326 and MIC-0328

Date Submitted Date Analyzed

: April 10, 2017 : April 10-12, 2017 : April 17, 2017

Date Reported Submitted by

: Customer Name

Name of Company : LA TRINIDAD WATER DISTRICT

Address

: Km. 4, La Trinidad, Benguet

Page

: Page 1 of 2

SAMPLE	SAMPLE DESCRIPTION	TEST	RESULT	STANDARD (PNS for Drinking Water, 2007)
MIC-0635 to 0651 and MIC- 0668 to 0675	17 Domestic water samples from source points placed in sterilized reagent bottles and with written labels, 2s, 3s, 4s, 5s, 6s, 8s, 9s, 12s, 14s, Lubass, As, PPSSs, JICAs1, JICAs2, SWAMPs Picos and Picos2.	Total Coliform Count	2s - >8 MPN/100 mL 3s - <1.1 MPN/100 mL 4s - 2.6 MPN/100 mL 5s - <1.1 MPN/100 mL 6s - <1.1 MPN/100 mL 8s - <1.1 MPN/100 mL 9s - <1.1 MPN/100 mL 12s - <1.1 MPN/100mL 14s - <1.1 MPN/100mL Lubass - >8 MPN/100mL Lubass - >8 MPN/100mL JICAs1 - >8 MPN/100mL JICAs2 - <1.1 MPN/100mL JICAs2 - <1.1 MPN/100mL Swamps - 2.6 MPN/100mL Picos - >8 MPN/100mL Picos - >1.1 MPN/100mL	<1.1 MPN/100mL
		E. coli	2s - >8 MPN/100 mL 4s - <1.1 MPN/100 mL Lubass - >8 MPN/100 mL As - >8 MPN/100 mL PPSSs - >8 MPN/100 mL JICAs1 - >8 MPN/100 mL Swamps - <1.1 MPN/100 mL Picos - <1.1 MPN/100 mL	<1.1 MPN/100mL

at

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

URL: http://car.dost.gov.ph







DENR RECOGNIZED C.R No. 078/2015

FDA ACCREDITED

REPORT OF ANALYSIS

Req. Ref. No.

: CAR-042017-MIC-0326 and MIC-0328

**Date Submitted** 

: April 10, 2017

Date Analyzed

: April 10-12, 2017

Date Reported

: April 17, 2017

Submitted by

: Customer Name

Name of Company

: LA TRINIDAD WATER DISTRICT

Address

: Km. 4, La Trinidad, Benguet

ige SAMPLE	SAMPLE	TEST	RESULT	STANDARD
CODE	DESCRIPTION	ILGI	RESULT	(PNS for Drinking Water 2007)
MIC-0635 to 0651 and MIC- 0668 to 0675	17 Domestic water samples from source points placed in sterilized reagent bottles and with written labels, 2s, 3s, 4s, 5s, 6s, 8s, 9s, 12s, 14s, Lubass, As, PPSSs, JICAs1, JICAs2, SWAMPs Picos and Picos2.	Heterotrophic Plate Count	2s - 1,370 CFU/mL 3s - 16* CFU/mL 4s - 49 CFU/mL 5s - 96 CFU/mL 6s - 4* CFU/mL 8s - 68 CFU/mL 9s - <1* CFU/mL 12s - 35 CFU/mL 14s - 232 CFU/mL Lubass - 148 CFU/mL As - 84 CFU/mL PPSSs - 16,750 CFU/mL JICAs1 - 1,010 CFU/mL JICAs2 - <1* CFU/mL Swamps - 1,700 CFU/mL Picos - 76 CFU/100mL Picos2 - 41 CFU/100mL	<500 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, 22<sup>nd</sup> Edition 2012, Microbiological Examination 9000: 9215B; 9221A, B and C; 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, 22<sup>nd</sup> Edition 2012, Microbiological Examination 9000: 9215A and B.

REMARKS: Domestic water samples from 2s, Lubass, As, PPSSs and JICAs1 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.

\* Estimated Heterotrophic Plate Count

Analyzed by:

Certified by:

Confirmed and Approved for Release by:

Analyst

BALABAG

JAMIE BÊTH B. GALIAN Approved PAB Signatory

NANCY A. BANTOG Quality Manager

Note: Not valid without DOST-CAR seal

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

URL: http://car.dost.gov.ph