



Republic of the Philippines  
Department of Environment and Natural Resources  
**MIMAROPA Region**  
Provincial Environment and Natural Resources Office  
Oriental Mindoro

DENR MIMAROPA  
RECORDS SECTION  
RECEIVED

MAY 02 2023

☐ INCOMING ☐ OUTGOING  
BY: \_\_\_\_\_ DATE NO. \_\_\_\_\_  
TIME: \_\_\_\_\_

April 20, 2023

## MEMORANDUM

**FOR** : The Regional Executive Director  
MIMAROPA Region

The Chief  
EMB-PEMU, Oriental Mindoro

**FROM** : The Officer In-Charge PENRO  
Oriental Mindoro

**SUBJECT** : **CERTIFIED TRUE COPIES OF THE BACTERIOLOGICAL  
TEST RESULTS ISSUED BY ALPHA LAB PHILIPPINES TO  
CALAPAN WATER**

Furnishing you a copy of the letter dated April 19, 2023 from Engr. Menardo C. Rivera, General Manager of Calapan Water with enclosed copy of the Microbiological Test Results for Drinking Water issued by Alpha Laboratory, Calamba Philippines Corporation. The water samples were taken from 16 wells (sampling label) located within different Barangays in Calapan City on April 12, 2023 (time sampling varies within a day), with "passed" result.

For information and reference.

  
ALAN L. VALLE



Tracking No.2304000412  
FN:TSD/AEG

**MISSION**

Enriching quality of life through the water service we provide.

**VISION**

We are the water service provider of choice and a trusted partner in sustainable community development for all mid-sized cities and municipalities.

19 April 2023

**ALAN L. VALLE**  
OIC-PENR OFFICER  
Suqui, Calapan City  
Oriental Mindoro

Dear Ms. Gibe,

We are providing herewith, for your information and guidance, a Certified True Copies of the Bacteriological Test Results issued Philippines (DOH Accreditation No. 4A-0002-2022-LW-2) and summarized as follows: by Alpha Lab

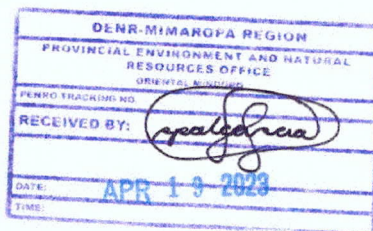
Sampling Label	Location	Time & Date of Sampling	Results
Well 4	Brgy. Bayanan 1	April 13, 2023 9:10 PM	PASSED
Well 9	Brgy. Bayanan 1	April 13, 2023 8:51 PM	PASSED
Well 10	Brgy. Bayanan 1	April 13, 2023 8:39 PM	PASSED
Well 12	Brgy. Bayanan 1	April 13, 2023 8:27 PM	PASSED
Well B1-A	Brgy. Bayanan 1	April 13, 2023 8:11 PM	PASSED
Well B1-B	Brgy. Bayanan 1	April 13, 2023 8:36 PM	PASSED
Well B2A	Brgy. Bayanan 2	April 13, 2023 8:52 PM	PASSED
Well BGa	Brgy. Biga	April 13, 2023 9:19 PM	PASSED
Well BGb	Brgy. Biga	April 13, 2023 9:25 PM	PASSED
Well Sta. Isabel	Brgy. Sta. Isabel	April 13, 2023 8:28 PM	PASSED
Brgy. Calero	Brgy. Calero	April 13, 2023 10:46 PM	PASSED
Brgy. Ibaba East	Brgy. Ibaba East	April 13, 2023 9:59 PM	PASSED
Brgy. Ibaba West	Brgy. Ibaba West	April 13, 2023 10:25 PM	PASSED
Brgy. San Vicente East	Brgy. San Vicente East	April 13, 2023 9:51 PM	PASSED
Brgy. San Vicente West	Brgy. San Vicente West	April 13, 2023 9:24 PM	PASSED
Brgy. San Vicente North	Brgy. San Vicente North	April 13, 2023 9:35 PM	PASSED

Should you have any questions, kindly contact Engr. Menardo C. Rivera at 288-7271 local 109.

Thank you.

Very truly yours,

**ENGR. MENARDO C. RIVERA**  
General Manager







# ALPHA LABORATORY

## Calamba Philippines Corporation

DOH Accreditation No. 4A-0004-2325-LW-2 & 4A-01-2123 HDW-21 DENR Certificate Recognition No. 072/2022



### MICROBIOLOGICAL TEST RESULTS for DRINKING WATER

NAME OF CLIENT: Calapan Waterworks

RWT No.: ML 214438  
Date of Sampling: April 12, 2023

SAMPLE DESCRIPTION: Chlorinated

Submitted By: Lloyd Melendrez < Client >  
Date Received: April 13, 2023  
Release Date: April 19, 2023  
Time of Sampling: 9:10 PM  
Place of Sampling: Km 8 Strong Republic Nautical Highway, Bayanan 1 Calapan City Oriental Mindoro  
Source of Sampling: Well 4

Test Requested	Methodology**	No. of Positive Tubes (out of five tubes)	Standards*	Results
			MPN/100 ml	MPN/100 ml
Total Coliform	Multiple Tube Fermentation Technique (SMEWW 9221)	0	< 1.1	< 1.1
Thermotolerant Coliform/E.Coli	Multiple Tube Fermentation Technique (SMEWW 9221 E1)	0	< 1.1	< 1.1

Test Requested	Description	Methodology**	Standards*	Results
			CFU/ml	CFU/ml
Heterotrophic Plate Count	Total Microbial Load	Pour Plate Method (SMEWW 9215B)	< 500	185

**Note :**

The Heterotrophic Plate Count or the Total Microbial Load is determined using Pour Plate Method in accordance to PNSDW 2017.

**REMARKS:**

The results showed that the water sample submitted **PASSED** the DOH standard for drinking water.

**REFERENCES:**

- \*Table A-1. Philippine National Standards for Drinking Water of 2017 (per DOH, AO No. 10, s. 2017)  
\*\*Standard Methods for the Examination of Water and Wastewater, 22nd Edition.

Analyzed & Certified by:

Nina Ysolina P. Perez, RMT  
Lab. Analyst / PRC No. 0083492  
NRI Cert. No. 22-1148

Approved by:

Jay-Ar Rosano, RCh  
Laboratory Head  
PRC Reg. No. 0013997

This report shall not be modified and/or reproduced except in full and shall not be used for advertisement or litigation without the written consent of Alpha Laboratory Calamba Phils. Corp. The result(s) are certified true only for the sample(s) as received by Alpha Laboratory Calamba Phils. Corp.

LTO Road, Barangay Real, City of Calamba, Laguna | (049) 545-9982 | (049) 536-8443 | 0933-814-0082 | 0933-814-6618  
alphalabcalamba@gmail.com | alphalab.information@gmail.com | www.alphalab.com.ph



# ALPHA LABORATORY

## Calamba Philippines Corporation

"Doing it right up responsible caring of our environment"

DOH Accreditation No. 4A-0004-2325-1 W-2 & 4A-01-2123-HDW-2 | DENR Certificate Recognition No. 072/2022



### MICROBIOLOGICAL TEST RESULTS for DRINKING WATER

NAME OF CLIENT: Calapan Waterworks

RWT No.: ML 214438  
Date of Sampling: April 12, 2023

SAMPLE DESCRIPTION: Chlorinated

Submitted By: Lloyd Melendrez < Client >

Date Received: April 13, 2023

Release Date: April 19, 2023

Time of Sampling: 8:51 PM

Place of Sampling: Km 8 Strong Republic Nautical Highway, Bayanan 1 Calapan City Oriental Mindoro

Source of Sampling: Well 9

Test Requested	Methodology**	No. of Positive Tubes (out of five tubes)	Standards*	Results
			MPN/100 ml	MPN/100 ml
Total Coliform	Multiple Tube Fermentation Technique (SMEWW 9221)	0	< 1.1	< 1.1
Thermotolerant Coliform/E.Coli	Multiple Tube Fermentation Technique (SMEWW 9221 E1)	0	< 1.1	< 1.1

Test Requested	Description	Methodology**	Standards*	Results
			CFU/ml	CFU/ml
Heterotrophic Plate Count	Total Microbial Load	Pour Plate Method (SMEWW 9215B)	< 500	115

**Note :**

The Heterotrophic Plate Count or the Total Microbial Load is determined using Pour Plate Method in accordance to PNSDW 2017.

**REMARKS:**

The results showed that the water sample submitted **PASSED** the DOH standard for drinking water.

**REFERENCES:**

\*Table A-1, Philippine National Standards for Drinking Water of 2017 (per DOH, AO No. 10, s. 2017)

\*\*Standard Methods for the Examination of Water and Wastewater, 22nd Edition.

Analyzed & Certified by:

Approved by:

Nina Ysolina P. Perez, RMT  
Lab. Analyst PRC No. 0083492  
NRI Cert. No. 22-1148

Jay-Ar Rosano, RCh  
Laboratory Head  
PRC Reg. No. 0013997

This report shall not be modified and/or reproduced except in full and shall not be used for advertisement or litigation without the written consent of Alpha Laboratory Calamba Phils. Corp. The result(s) are certified true only for the sample(s) as received by Alpha Laboratory Calamba Phils. Corp.

LTO Road, Barangay Real, City of Calamba, Laguna | (049) 545-9982 | (049) 536-8443 | 0933-814-0082 | 0933-814-6618  
alphalabcalamba@gmail.com | alphalab.information@gmail.com | www.alphalab.com.ph





# ALPHA LABORATORY

## Calamba Philippines Corporation

"First to bring up responsible testing of our environment"

DOH Accreditation No. 4A-0004-2325-LW-2 & 4A-01-2123-HDW-2 | DENR Certificate Recognition No. 072/2022



### MICROBIOLOGICAL TEST RESULTS for DRINKING WATER

NAME OF CLIENT: Calapan Waterworks

RWT No.: ML 214438  
Date of Sampling: April 12, 2023

SAMPLE DESCRIPTION: Chlorinated

Submitted By: Lloyd Melendrez < Client >

Date Received: April 13, 2023

Release Date: April 19, 2023

Time of Sampling: 8:39 PM

Place of Sampling: Km 8 Strong Republic Nautical Highway, Bayanan 1 Calapan City Oriental Mindoro

Source of Sampling: Well 10

Test Requested	Methodology**	No. of Positive Tubes (out of five tubes)	Standards*	Results
			MPN/100 ml	MPN/100 ml
Total Coliform	Multiple Tube Fermentation Technique (SMEWW 9221)	0	< 1.1	< 1.1
Thermotolerant Coliform/E.Coli	Multiple Tube Fermentation Technique (SMEWW 9221 E1)	0	< 1.1	< 1.1

Test Requested	Description	Methodology**	Standards*	Results
			CFU/ml	CFU/ml
Heterotrophic Plate Count	Total Microbial Load	Pour Plate Method (SMEWW 9215B)	< 500	65

**Note :**

The Heterotrophic Plate Count or the Total Microbial Load is determined using Pour Plate Method in accordance to PNSDW 2017.

**REMARKS:**

The results showed that the water sample submitted **PASSED** the DOH standard for drinking water.

**REFERENCES:**

\*Table A-1, Philippine National Standards for Drinking Water of 2017 (per DOH, AO No. 10, s. 2017)

\*\*Standard Methods for the Examination of Water and Wastewater, 22nd Edition.

Analyzed & Certified by:

Approved by:

Niña Ysolina P. Perez, RMT  
Lab. Analyst / PRC No. 0083492  
NRI Cert. No. 22-1148

Jay-Ar Rosano, RCh  
Laboratory Head  
PRC Reg. No. 0013997

This report shall not be modified and/or reproduced except in full and shall not be used for advertisement or litigation without the written consent of Alpha Laboratory Calamba Phils. Corp. The result(s) are certified true only for the sample(s) as received by Alpha Laboratory Calamba Phils. Corp.

LTO Road, Barangay Real, City of Calamba, Laguna | (049) 545-9982 | (049) 536-8443 | 0933-814-0082 | 0933-814-6618  
alphalabcalamba@gmail.com | alphalab.information@gmail.com | www.alphalab.com.ph



# ALPHA LABORATORY

## Calamba Philippines Corporation

"First in doing up responsible caring of our environment"

DOH Accreditation No. 4A-0004-2325-1 W-2 & 4A-01-2123 HDW-2 | DENR Certificate Recognition No. 072/2022



### MICROBIOLOGICAL TEST RESULTS for DRINKING WATER

NAME OF CLIENT: Calapan Waterworks

RWT No.: ML 214438

Date of Sampling: April 12, 2023

SAMPLE DESCRIPTION: Chlorinated

Submitted By: Lloyd Melendrez < Client >

Date Received: April 13, 2023

Release Date: April 19, 2023

Time of Sampling: 8:27 PM

Place of Sampling: Km 8 Strong Republic Nautical Highway, Bayanan 1 Calapan City Oriental Mindoro

Source of Sampling: Well 12

Test Requested	Methodology**	No. of Positive Tubes (out of five tubes)	Standards*	Results
			MPN/100 ml	MPN/100 ml
Total Coliform	Multiple Tube Fermentation Technique (SMEWW 9221)	0	< 1.1	< 1.1
Thermotolerant Coliform/E.Coli	Multiple Tube Fermentation Technique (SMEWW 9221 E1)	0	< 1.1	< 1.1

Test Requested	Description	Methodology**	Standards*	Results
			CFU/ml	CFU/ml
Heterotrophic Plate Count	Total Microbial Load	Pour Plate Method (SMEWW 9215B)	< 500	130

**Note :**

The Heterotrophic Plate Count or the Total Microbial Load is determined using Pour Plate Method in accordance to PNSDW 2017.

**REMARKS:**

The results showed that the water sample submitted **PASSED** the DOH standard for drinking water.

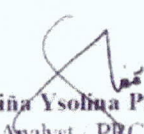
**REFERENCES:**


\*Table A-1, Philippine National Standards for Drinking Water of 2017 (per DOH, AO No. 10, s. 2017)

\*\*Standard Methods for the Examination of Water and Wastewater, 22nd Edition.

Analyzed & Certified by:

Approved by:

  
Nina Ysolina P. Perez, RMT  
Lab. Analyst - PRC No. 0083492  
NRI. Cert. No. 22-1148

  
Jay-Ar Rosano, RCh  
Laboratory Head  
PRC Reg. No. 0013997

This report shall not be modified and/or reproduced except in full and shall not be used for advertisement or litigation without the written consent of Alpha Laboratory Calamba Phils. Corp. The result(s) are certified true only for the sample(s) as received by Alpha Laboratory Calamba Phils. Corp.

LTO Road, Barangay Real, City of Calamba, Laguna | (049) 545-9982 | (049) 536-8443 | 0933-814-0082 | 0933-814-6618  
alphalabcalamba@gmail.com | alphalab.information@gmail.com | www.alphalab.com.ph





# ALPHA LABORATORY

## Calamba Philippines Corporation

"First in being up responsible caring of our environment"

DOH Accreditation No. 4A-0004-2325-IW-2 & 4A-01-2123-HDW-2 | DENR Certificate Recognition No. 072/2022



### MICROBIOLOGICAL TEST RESULTS for DRINKING WATER

NAME OF CLIENT: Calapan Waterworks

RWT No.: ML 214438  
Date of Sampling: April 12, 2023

SAMPLE DESCRIPTION: Chlorinated

Submitted By: Lloyd Melendrez < Client >  
Date Received: April 13, 2023  
Release Date: April 19, 2023  
Time of Sampling: 8:11 PM  
Place of Sampling: Km 8 Strong Republic Nautical Highway, Bayanan I Calapan City Oriental Mindoro  
Source of Sampling: Well B1A

Test Requested	Methodology**	No. of Positive Tubes (out of five tubes)	Standards*	Results
			MPN/100 ml	MPN/100 ml
Total Coliform	Multiple Tube Fermentation Technique (SMEWW 9221)	0	< 1.1	< 1.1
Thermotolerant Coliform/E.Coli	Multiple Tube Fermentation Technique (SMEWW 9221 E1)	0	< 1.1	< 1.1

Test Requested	Description	Methodology**	Standards*	Results
			CFU/ml	CFU/ml
Heterotrophic Plate Count	Total Microbial Load	Pour Plate Method (SMEWW 9215B)	< 500	85

**Note :**

The Heterotrophic Plate Count or the Total Microbial Load is determined using  
Pour Plate Method in accordance to PNSDW 2017.

**REMARKS:**

The results showed that the water sample submitted **PASSED** the DOH standard for drinking water.

**REFERENCES:**

- \*Table A-1, Philippine National Standards for Drinking Water of 2017 (per DOH, AO No. 10, s. 2017)
- \*\*Standard Methods for the Examination of Water and Wastewater, 22nd Edition.

Analyzed & Certified by:

Nina Ysolina P. Perez, RMT  
Lab. Analyst PRC No. 0083492  
NRI Cert. No. 22-1148

Approved by:

Jay-Ar Rosano, RCh  
Laboratory Head  
PRC Reg. No. 0013997

This report shall not be modified and/or reproduced except in full and shall not be used for advertisement or litigation without the written consent of Alpha Laboratory Calamba Phils. Corp. The result(s) are certified true only for the sample(s) as received by Alpha Laboratory Calamba Phils. Corp.

LTO Road, Barangay Real, City of Calamba, Laguna | (049) 545-9982 | (049) 536-8443 | 0933-814-0082 | 0933-814-6618  
alphalabcalamba@gmail.com | alphalab.information@gmail.com | www.alphalab.com.ph



# ALPHA LABORATORY

## Calamba Philippines Corporation

"First in bringing up responsible caring of our environment"

DOH Accreditation No. 4A-0004-2325-LW-2 & 4A-01-2123-HDW-2 | DENR Certificate Recognition No. 072/2022



### MICROBIOLOGICAL TEST RESULTS for DRINKING WATER

NAME OF CLIENT: Calapan Waterworks

RWT No.: ML 214438  
Date of Sampling: April 12, 2023

SAMPLE DESCRIPTION: Chlorinated

Submitted By: Lloyd Melendrez < Client >  
Date Received: April 13, 2023  
Release Date: April 19, 2023  
Time of Sampling: 8:36 PM  
Place of Sampling: Km 8 Strong Republic Nautical Highway, Bayanan I Calapan City Oriental Mindoro  
Source of Sampling: Well B1B

Test Requested	Methodology**	No. of Positive Tubes (out of five tubes)	Standards*	Results
			MPN/100 ml	MPN/100 ml
Total Coliform	Multiple Tube Fermentation Technique (SMEWW 9221)	0	< 1.1	< 1.1
Thermotolerant Coliform/E.Coli	Multiple Tube Fermentation Technique (SMEWW 9221 F1)	0	< 1.1	< 1.1

Test Requested	Description	Methodology**	Standards*	Results
			CFU/ml	CFU/ml
Heterotrophic Plate Count	Total Microbial Load	Pour Plate Method (SMEWW 9215B)	< 500	20

**Note :**

The Heterotrophic Plate Count or the Total Microbial Load is determined using Pour Plate Method in accordance to PNSDW 2017.

**REMARKS:**

The results showed that the water sample submitted **PASSED** the DOH standard for drinking water.

**REFERENCES:**

- \*Table A-1, Philippine National Standards for Drinking Water of 2017 (per DOH, AO No. 10, s. 2017)
- \*\*Standard Methods for the Examination of Water and Wastewater, 22nd Edition.

Analyzed & Certified by:

Nina Ysolina P. Perez, RMT  
Lab. Analyst PRC No. 0083492  
NRI Cert. No. 22-1148

Approved by:

Jay-Ar Rosano, RCh  
Laboratory Head  
PRC Reg. No. 0013997

This report shall not be modified and/or reproduced except in full and shall not be used for advertisement or litigation without the written consent of Alpha Laboratory Calamba Phils. Corp. The result(s) are certified true only for the sample(s) as received by Alpha Laboratory Calamba Phils. Corp.

LTO Road, Barangay Real, City of Calamba, Laguna | (049) 545-9982 | (049) 536-8443 | 0933-814-0082 | 0933-814-6618  
alphalabcalamba@gmail.com | alphalab.information@gmail.com | www.alphalab.com.ph





# ALPHA LABORATORY

## Calamba Philippines Corporation

"Test to bring up responsible living of our environment"

DOH Accreditation No. 4A-0004-2325-1 W-2 & 4A-01-2123-HDW-2 | DENR Certificate Recognition No. 072/2022



### MICROBIOLOGICAL TEST RESULTS for DRINKING WATER

NAME OF CLIENT: Calapan Waterworks

RWT No.: ML 214438  
Date of Sampling: April 12, 2023

SAMPLE DESCRIPTION: Chlorinated

Submitted By: Lloyd Melendrez < Client >  
Date Received: April 13, 2023  
Release Date: April 19, 2023  
Time of Sampling: 8:52 PM  
Place of Sampling: Km 8 Strong Republic Nautical Highway, Bayanan I Calapan City Oriental Mindoro  
Source of Sampling: Well B2A

Test Requested	Methodology**	No. of Positive Tubes (out of five tubes)	Standards*	Results
			MPN/100 ml	MPN/100 ml
Total Coliform	Multiple Tube Fermentation Technique (SMEWW 9221)	0	< 1.1	< 1.1
Thermotolerant Coliform/E.Coli	Multiple Tube Fermentation Technique (SMEWW 9221 E1)	0	< 1.1	< 1.1

Test Requested	Description	Methodology**	Standards*	Results
			CFU/ml	CFU/ml
Heterotrophic Plate Count	Total Microbial Load	Pour Plate Method (SMEWW 9215B)	< 500	55

**Note :**

The Heterotrophic Plate Count or the Total Microbial Load is determined using Pour Plate Method in accordance to PNSDW 2017.

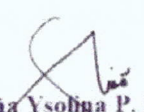
**REMARKS:**

The results showed that the water sample submitted **PASSED** the DOH standard for drinking water.


**REFERENCES:**

- \*Table A-1, Philippine National Standards for Drinking Water of 2017 (per DOH, AO No. 10, s. 2017)
- \*\*Standard Methods for the Examination of Water and Wastewater, 22nd Edition.

Analyzed & Certified by:

  
Nina Ysolina P. Perez, RMT  
Lab. Analyst / PRC No. 0083492  
NRI. Cert. No. 22-1148

Approved by:

  
Jay-Ar Rosano, RCh  
Laboratory Head  
PRC Reg. No. 0013997

This report shall not be modified and/or reproduced except in full and shall not be used for advertisement or litigation without the written consent of Alpha Laboratory Calamba Phils. Corp. The result(s) are certified true only for the sample(s) as received by Alpha Laboratory Calamba Phils. Corp.

LTO Road, Barangay Real, City of Calamba, Laguna | (049) 545-9982 | (049) 536-8443 | 0933-814-0082 | 0933-814-6618  
alphalabcalamba@gmail.com | alphalab.information@gmail.com | www.alphalab.com.ph



# ALPHA LABORATORY

## Calamba Philippines Corporation

"Fast in being up, responsible during it, not unresponsive"

DOH Accreditation No. 4A-0004-2325-LW-2 & 4A-01-2123-HDW-2 | DENR Certificate Recognition No. 072/2022



### MICROBIOLOGICAL TEST RESULTS for DRINKING WATER

NAME OF CLIENT: Calapan Waterworks

RWT No.: ML 214438

Date of Sampling: April 12, 2023

SAMPLE DESCRIPTION: Chlorinated

Submitted By: Lloyd Melendrez < Client >

Date Received: April 13, 2023

Release Date: April 19, 2023

Time of Sampling: 9:19 PM

Place of Sampling: Km 8 Strong Republic Nautical Highway, Bayanan 1 Calapan City Oriental Mindoro

Source of Sampling: Well BGA

Test Requested	Methodology**	No. of Positive Tubes (out of five tubes)	Standards*	Results
			MPN/100 ml	MPN/100 ml
Total Coliform	Multiple Tube Fermentation Technique (SMEWW 9221)	0	< 1.1	< 1.1
Thermotolerant Coliform/E.Coli	Multiple Tube Fermentation Technique (SMEWW 9221 F1)	0	< 1.1	< 1.1

Test Requested	Description	Methodology**	Standards*	Results
			CFU/ml	CFU/ml
Heterotrophic Plate Count	Total Microbial Load	Pour Plate Method (SMEWW 9215B)	< 500	30

**Note :**

The Heterotrophic Plate Count or the Total Microbial Load is determined using Pour Plate Method in accordance to PNSDW 2017.

**REMARKS:**

The results showed that the water sample submitted **PASSED** the DOH standard for drinking water.

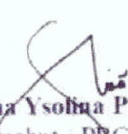
**REFERENCES:**

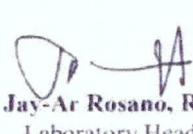
\*Table A-1, Philippine National Standards for Drinking Water of 2017 (per DOH, AO No. 10, s. 2017)

\*\*Standard Methods for the Examination of Water and Wastewater, 22nd Edition.

Analyzed & Certified by:

Approved by:

  
Nina Ysolina P. Perez, RMT  
Lab. Analyst / PRC No. 0083492  
NRI Cert. No. 22-1148

  
Jay-Ar Rosano, RCh  
Laboratory Head  
PRC Reg. No. 0013997

This report shall not be modified and/or reproduced except in full and shall not be used for advertisement or litigation without the written consent of Alpha Laboratory Calamba Phils. Corp. The result(s) are certified true only for the sample(s) as received by Alpha Laboratory Calamba Phils. Corp.

LTO Road, Barangay Real, City of Calamba, Laguna | (049) 545-9982 | (049) 536-8443 | 0933-814-0082 | 0933-814-6618  
alphalabcalamba@gmail.com | alphalab.information@gmail.com | www.alphalab.com.ph





# ALPHA LABORATORY

## Calamba Philippines Corporation

DOH Accreditation No. 4A-0004-2325-1 W-2 & 4A-01-2123 HDW-2 | DENR Certificate Recognition No. 072/2022



### MICROBIOLOGICAL TEST RESULTS for DRINKING WATER

NAME OF CLIENT: Calapan Waterworks

RWT No.: ML 214438  
Date of Sampling: April 12, 2023

SAMPLE DESCRIPTION: Chlorinated

Submitted By: Lloyd Melendrez < Client >

Date Received: April 13, 2023

Release Date: April 19, 2023

Time of Sampling: 9:25 PM

Place of Sampling: Km 8 Strong Republic Nautical Highway, Bayanan 1 Calapan City Oriental Mindoro

Source of Sampling: Well BGB

Test Requested	Methodology**	No. of Positive Tubes (out of five tubes)	Standards*	Results
			MPN/100 ml	MPN/100 ml
Total Coliform	Multiple Tube Fermentation Technique (SMEWW 9221)	0	< 1.1	< 1.1
Thermotolerant Coliform/E.Coli	Multiple Tube Fermentation Technique (SMEWW 9221 E1)	0	< 1.1	< 1.1

Test Requested	Description	Methodology**	Standards*	Results
			CFU/ml	CFU/ml
Heterotrophic Plate Count	Total Microbial Load	Pour Plate Method (SMEWW 9215B)	< 500	50

**Note :**

The Heterotrophic Plate Count or the Total Microbial Load is determined using Pour Plate Method in accordance to PNSDW 2017.

**REMARKS:**

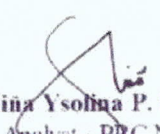
The results showed that the water sample submitted **PASSED** the DOH standard for drinking water.

**REFERENCES:**


\*Table A-1, Philippine National Standards for Drinking Water of 2017 (per DOH, AO No. 10, s. 2017)

\*\*Standard Methods for the Examination of Water and Wastewater, 22nd Edition.

Analyzed & Certified by:

  
Nina Ysolina P. Perez, RMT  
Lab. Analyst / PRC No. 0083492  
NRI. Cert. No. 22-1148

Approved by:

  
Jay-Ar Rosano, RCh  
Laboratory Head  
PRC Reg. No. 0013997

This report shall not be modified and/or reproduced except in full and shall not be used for advertisement or litigation without the written consent of Alpha Laboratory Calamba Phils. Corp. The result(s) are certified true only for the sample(s) as received by Alpha Laboratory Calamba Phils. Corp.

LTO Road, Barangay Real, City of Calamba, Laguna | (049) 545-9982 | (049) 536-8443 | 0933-814-0082 | 0933-814-6618  
alphalabcalamba@gmail.com | alphalab.information@gmail.com | www.alphalab.com.ph



# ALPHA LABORATORY

## Calamba Philippines Corporation

"First is living up responsible caring of our environment"

DOH Accreditation No. 4A-0004-2325-LW-2 & 4A-01-2123-HDW-21 DENR Certificate Recognition No. 072/2022



### MICROBIOLOGICAL TEST RESULTS for DRINKING WATER

NAME OF CLIENT: Calapan Waterworks

RWT No.: ML 214438

Date of Sampling: April 12, 2023

SAMPLE DESCRIPTION: Chlorinated

Submitted By: Lloyd Melendrez < Client >

Date Received: April 13, 2023

Release Date: April 19, 2023

Time of Sampling: 8:28 PM

Place of Sampling: Km 8 Strong Republic Nautical Highway, Bayanan 1 Calapan City Oriental Mindoro

Source of Sampling: Well STA.

Test Requested	Methodology**	No. of Positive Tubes (out of five tubes)	Standards*	Results
			MPN/100 ml	MPN/100 ml
Total Coliform	Multiple Tube Fermentation Technique (SMEWW 9221)	0	< 1.1	< 1.1
Thermotolerant Coliform/E.Coli	Multiple Tube Fermentation Technique (SMEWW 9221 F1)	0	< 1.1	< 1.1

Test Requested	Description	Methodology**	Standards*	Results
			CFU/ml	CFU/ml
Heterotrophic Plate Count	Total Microbial Load	Pour Plate Method (SMEWW 9215B)	< 500	50

**Note:**

The Heterotrophic Plate Count or the Total Microbial Load is determined using Pour Plate Method in accordance to PNSDW 2017.

**REMARKS:**

The results showed that the water sample submitted **PASSED** the DOH standard for drinking water.

**REFERENCES:**

\*Table A-1, Philippine National Standards for Drinking Water of 2017 (per DOH, AO No. 10, s. 2017)

\*\*Standard Methods for the Examination of Water and Wastewater, 22nd Edition.

Analyzed & Certified by:

Nina Ysolina P. Perez, RMT  
Lab. Analyst PRC No. 0083492  
NRI. Cert. No. 22-1148

Approved by:

Jay-Ar Rosano, RCh  
Laboratory Head  
PRC Reg. No. 0013997

This report shall not be modified and/or reproduced except in full and shall not be used for advertisement or litigation without the written consent of Alpha Laboratory Calamba Phils. Corp. The result(s) are certified true only for the sample(s) as received by Alpha Laboratory Calamba Phils. Corp.

LTO Road, Barangay Real, City of Calamba, Laguna | (049) 545-9982 | (049) 536-8443 | 0933-814-0082 | 0933-814-6618  
alphalabcalamba@gmail.com | alphalab.information@gmail.com | www.alphalab.com.ph





# ALPHA LABORATORY

## Calamba Philippines Corporation

DOH Accreditation No. 4A-0004-2325-1W-2 & 4A-01-2123-HDW-2 | DENR Certificate Recognition No. 072/2022



### MICROBIOLOGICAL TEST RESULTS for DRINKING WATER

NAME OF CLIENT: Calapan Waterworks

RWT No.: ML 214438  
Date of Sampling: April 12, 2023

SAMPLE DESCRIPTION: Chlorinated

Submitted By: Lloyd Melendrez < Client >

Date Received: April 13, 2023

Release Date: April 19, 2023

Time of Sampling: 10:46 PM

Place of Sampling: Km 8 Strong Republic Nautical Highway, Bayanan 1 Calapan City Oriental Mindoro

Source of Sampling: Brgy. Calero

Test Requested	Methodology**	No. of Positive Tubes (out of five tubes)	Standards*	Results
			MPN/100 ml	MPN/100 ml
Total Coliform	Multiple Tube Fermentation Technique (SMEWW 9221)	0	< 1.1	< 1.1
Thermotolerant Coliform/E.Coli	Multiple Tube Fermentation Technique (SMEWW 9221 F1)	0	< 1.1	< 1.1

Test Requested	Description	Methodology**	Standards*	Results
			CFU/ml	CFU/ml
Heterotrophic Plate Count	Total Microbial Load	Pour Plate Method (SMEWW 9215B)	< 500	95

**Note :**

The Heterotrophic Plate Count or the Total Microbial Load is determined using Pour Plate Method in accordance to PNSDW 2017.

**REMARKS:**

The results showed that the water sample submitted **PASSED** the DOH standard for drinking water.

**REFERENCES:**

\*Table A-1, Philippine National Standards for Drinking Water of 2017 (per DOH, AO No. 10, s. 2017)

\*\*Standard Methods for the Examination of Water and Wastewater, 22nd Edition.

Analyzed & Certified by:

Nina Ysolina P. Perez, RMT  
Lab. Analyst, PRC No. 0083492  
NRI Cert. No. 22-1148

Approved by:

Jay-Ar Rosano, RCh  
Laboratory Head  
PRC Reg. No. 0013997

This report shall not be modified and/or reproduced except in full and shall not be used for advertisement or litigation without the written consent of Alpha Laboratory Calamba Phils. Corp. The result(s) are certified true only for the sample(s) as received by Alpha Laboratory Calamba Phils. Corp.

LTO Road, Barangay Real, City of Calamba, Laguna | (049) 545-9982 | (049) 536-8443 | 0933-814-0082 | 0933-814-6618  
alphalabcalamba@gmail.com | alphalab.information@gmail.com | www.alphalab.com.ph



# ALPHA LABORATORY

## Calamba Philippines Corporation

DOH Accreditation No. 4A-0004-232S-LW-2 & 4A-01-2123-HDW-2 | DENR Certificate Recognition No. 072/2022



### MICROBIOLOGICAL TEST RESULTS for DRINKING WATER

NAME OF CLIENT: Calapan Waterworks

RWT No.: ML 214438  
Date of Sampling: April 12, 2023

SAMPLE DESCRIPTION: Chlorinated

Submitted By: Lloyd Melendrez < Client >

Date Received: April 13, 2023

Release Date: April 19, 2023

Time of Sampling: 9:59 PM

Place of Sampling: Km 8 Strong Republic Nautical Highway, Bayanan 1 Calapan City Oriental Mindoro

Source of Sampling: Brgy. Ibaba East

Test Requested	Methodology**	No. of Positive Tubes (out of five tubes)	Standards*	Results
			MPN/100 ml	MPN/100 ml
Total Coliform	Multiple Tube Fermentation Technique (SMEWW 9221)	0	< 1.1	< 1.1
Thermotolerant Coliform/E.Coli	Multiple Tube Fermentation Technique (SMEWW 9221 F1)	0	< 1.1	< 1.1

Test Requested	Description	Methodology**	Standards*	Results
			CFU/ml	CFU/ml
Heterotrophic Plate Count	Total Microbial Load	Pour Plate Method (SMEWW 9215B)	< 500	250

**Note:**

The Heterotrophic Plate Count or the Total Microbial Load is determined using  
Pour Plate Method in accordance to PNSDW 2017.

**REMARKS:**

The results showed that the water sample submitted **PASSED** the DOH standard for drinking water.

**REFERENCES:**

\*Table A-1, Philippine National Standards for Drinking Water of 2017 (per DOH, AO No. 10, s. 2017)

\*\*Standard Methods for the Examination of Water and Wastewater, 22nd Edition.

Analyzed & Certified by:

Niña Ysolina P. Perez, RMT  
Lab. Analyst PRC No. 0083492  
NRI Cert. No. 22-1148

Approved by:

Jay-Ar Rosano, RCh  
Laboratory Head  
PRC Reg. No. 0013997

This report shall not be modified and/or reproduced except in full and shall not be used for advertisement or litigation without the written consent of Alpha Laboratory Calamba Phils. Corp. The result(s) are certified true only for the sample(s) as received by Alpha Laboratory Calamba Phils. Corp.

LTO Road, Barangay Real, City of Calamba, Laguna | (049) 545-9982 | (049) 536-8443 | 0933-814-0082 | 0933-814-6618  
alphalabcalamba@gmail.com | alphaslab.information@gmail.com | www.alphaslab.com.ph





# ALPHA LABORATORY

## Calamba Philippines Corporation

"Test is my responsibility along with my commitment"

DOH Accreditation No. 4A-0004-2325-1W-2 & 4A-01-2123-HDW-2 | DENR Certificate Recognition No. 072/2022



### MICROBIOLOGICAL TEST RESULTS for DRINKING WATER

NAME OF CLIENT: Calapan Waterworks

RWT No.: ML 214438

Date of Sampling: April 12, 2023

SAMPLE DESCRIPTION: Chlorinated

Submitted By: Lloyd Melendrez < Client >

Date Received: April 13, 2023

Release Date: April 19, 2023

Time of Sampling: 10:25 PM

Place of Sampling: Km 8 Strong Republic Nautical Highway, Bayanan I Calapan City Oriental Mindoro

Source of Sampling: Brgy. Ibaba West

Test Requested	Methodology**	No. of Positive Tubes (out of five tubes)	Standards*	Results
			MPN/100 ml	MPN/100 ml
Total Coliform	Multiple Tube Fermentation Technique (SMEWW 9221)	0	< 1.1	< 1.1
Thermotolerant Coliform/E.Coli	Multiple Tube Fermentation Technique (SMEWW 9221 F1)	0	< 1.1	< 1.1

Test Requested	Description	Methodology**	Standards*	Results
			CFU/ml	CFU/ml
Heterotrophic Plate Count	Total Microbial Load	Pour Plate Method (SMEWW 9215B)	< 500	440

**Note:**

The Heterotrophic Plate Count or the Total Microbial Load is determined using Pour Plate Method in accordance to PNSDW 2017.

**REMARKS:**

The results showed that the water sample submitted **PASSED** the DOH standard for drinking water.

**REFERENCES:**

\*Table A-1, Philippine National Standards for Drinking Water of 2017 (per DOH, AO No. 10, s. 2017)

\*\*Standard Methods for the Examination of Water and Wastewater, 22nd Edition.

Analyzed & Certified by:

Approved by:

Nina Ysolina P. Perez, RMT  
Lab. Analyst PRC No. 0083492  
NRI Cert. No. 22-1148

Jay-Ar Rosano, RCh  
Laboratory Head  
PRC Reg. No. 0013997

This report shall not be modified and/or reproduced except in full and shall not be used for advertisement or litigation without the written consent of Alpha Laboratory Calamba Phils. Corp. The result(s) are certified true only for the sample(s) as received by Alpha Laboratory Calamba Phils. Corp.

LTO Road, Barangay Real, City of Calamba, Laguna | (049) 545-9982 | (049) 536-8443 | (0933-814-0082) | (0933-814-6618)  
alphalabcalamba@gmail.com | alphalab.information@gmail.com | www.alphalab.com.ph



# ALPHA LABORATORY

## Calamba Philippines Corporation

Being a Group of Companies under the same Management

DOH Accreditation No. 4A-0004-2125-1 W-2 & 4A-01-2123 HDW-2 | DENR Certificate Recognition No. 072/10/21



### MICROBIOLOGICAL TEST RESULTS for DRINKING WATER

NAME OF CLIENT: Calapan Waterworks

RWT No.: ML 214438  
Date of Sampling: April 12, 2023

SAMPLE DESCRIPTION: Chlorinated

Submitted By: Lloyd Melendrez < Client >  
Date Received: April 13, 2023  
Release Date: April 19, 2023  
Time of Sampling: 9:51 PM  
Place of Sampling: Km 8 Strong Republic Nautical Highway, Bayanan I Calapan City Oriental Mindoro  
Source of Sampling: Brgy. San Vicente East

Test Requested	Methodology**	No. of Positive Tubes (out of five tubes)	Standards*	Results
			MPN/100 ml	MPN/100 ml
Total Coliform	Multiple Tube Fermentation Technique (SMEWW 9221)	0	< 1.1	< 1.1
Thermotolerant Coliform/E. Coli	Multiple Tube Fermentation Technique (SMEWW 9221 E1)	0	< 1.1	< 1.1

Test Requested	Description	Methodology**	Standards*	Results
			CFU/ml	CFU/ml
Heterotrophic Plate Count	Total Microbial Load	Pour Plate Method (SMEWW 9215B)	< 500	495

**Note :**

The Heterotrophic Plate Count or the Total Microbial Load is determined using Pour Plate Method in accordance to PNSDW 2017.

**REMARKS:**

The results showed that the water sample submitted PASSED the DOH standard for drinking water.

**REFERENCES:**

- \*Table A-1, Philippine National Standards for Drinking Water of 2017 (per DOH, AO No. 10, s. 2017)
- \*\*Standard Methods for the Examination of Water and Wastewater, 22nd Edition.

Analyzed & Certified by:

Nina Ysolina P. Perez, RMI  
Lab. Analyst / PRC No. 0083492  
NRI Cert. No. 22-1148

Approved by:

Jay-Ar Rosano, RCh  
Laboratory Head  
PRC Reg. No. 0013997

This report shall not be modified and/or reproduced except in full and shall not be used for advertisement or litigation without the written consent of Alpha Laboratory Calamba Phils. Corp. The result(s) are certified true only for the sample(s) as received by Alpha Laboratory Calamba Phils. Corp.

LTO Road, Barangay Real, City of Calamba, Laguna | (049) 545-9982 | (049) 536-8443 | 0933-814-0082 | 0933-814-6618  
alphalabcalamba@gmail.com | alphalab.information@gmail.com | www.alphalab.com.ph





# ALPHA LABORATORY

## Calamba Philippines Corporation



DOH Accreditation No. 4A-0004-2325-IW-2 & 4A-01-2123-HDW-2 | DENR Certificate Recognition No. 072/2022

### MICROBIOLOGICAL TEST RESULTS for DRINKING WATER

NAME OF CLIENT: Calapan Waterworks

RWT No.: ML 214438  
Date of Sampling: April 12, 2023

SAMPLE DESCRIPTION: Chlorinated

Submitted By: Lloyd Melendrez < Client >  
Date Received: April 13, 2023  
Release Date: April 19, 2023  
Time of Sampling: 9:35 PM  
Place of Sampling: Km 8 Strong Republic Nautical Highway, Bayanan 1 Calapan City Oriental Mindoro  
Source of Sampling: Brgy. San Vicente North

Test Requested	Methodology**	No. of Positive Tubes (out of five tubes)	Standards*	Results
			MPN/100 ml	MPN/100 ml
Total Coliform	Multiple Tube Fermentation Technique (SMEWW 9221)	0	< 1.1	< 1.1
Thermotolerant Coliform/E.Coli	Multiple Tube Fermentation Technique (SMEWW 9221 E1)	0	< 1.1	< 1.1

Test Requested	Description	Methodology**	Standards*	Results
			CFU/ml	CFU/ml
Heterotrophic Plate Count	Total Microbial Load	Pour Plate Method (SMEWW 9215B)	< 500	< 1

**Note:**

The Heterotrophic Plate Count or the Total Microbial Load is determined using Pour Plate Method in accordance to PNSDW 2017.

**REMARKS:**

The results showed that the water sample submitted **PASSED** the DOH standard for drinking water.

**REFERENCES:**

- \*Table A-1, Philippine National Standards for Drinking Water of 2017 (per DOH, AO No. 10, s. 2017)
- \*\*Standard Methods for the Examination of Water and Wastewater, 22nd Edition.

Analyzed & Certified by:

Approved by:

Nina Ysolina P. Perez, RMT  
Lab. Analyst / PRC No. 0083492  
NRI Cert. No. 22-1148

Jay-Ar Rosano, RCh  
Laboratory Head  
PRC Reg. No. 0013997

This report shall not be modified and/or reproduced except in full and shall not be used for advertisement or litigation without the written consent of Alpha Laboratory Calamba Phils. Corp. The result(s) are certified true only for the sample(s) as received by Alpha Laboratory Calamba Phils. Corp.

LTO Road, Barangay Real, City of Calamba, Laguna | (049) 545-9982 | (049) 536-8443 | 0933-814-0082 | 0933-814-6618  
alphalabcalamba@gmail.com | alphalab.information@gmail.com | www.alphalab.com.ph



# ALPHA LABORATORY

## Calamba Philippines Corporation

DOH Accreditation No. 4A-0004-2325-JW-2 & 4A-01-2123 HDW-2 | DENR Certificate Recognition No. 072/2022



### MICROBIOLOGICAL TEST RESULTS for DRINKING WATER

NAME OF CLIENT: Calapan Waterworks

RWT No.: ML 214438  
Date of Sampling: April 12, 2023

SAMPLE DESCRIPTION: Chlorinated

Submitted By: Lloyd Melendrez < Client >  
Date Received: April 13, 2023  
Release Date: April 19, 2023  
Time of Sampling: 9:24 PM  
Place of Sampling: Km 8 Strong Republic Nautical Highway, Bayanan 1 Calapan City Oriental Mindoro  
Source of Sampling: Brgy. San Vicente West

Test Requested	Methodology**	No. of Positive Tubes (out of five tubes)	Standards*	Results
			MPN/100 ml	MPN/100 ml
Total Coliform	Multiple Tube Fermentation Technique (SMEWW 9221)	0	< 1.1	< 1.1
Thermotolerant Coliform/E.Coli	Multiple Tube Fermentation Technique (SMEWW 9221 E1)	0	< 1.1	< 1.1

Test Requested	Description	Methodology**	Standards*	Results
			CFU/ml	CFU/ml
Heterotrophic Plate Count	Total Microbial Load	Pour Plate Method (SMEWW 9215B)	< 500	< 1

**Note:**

The Heterotrophic Plate Count or the Total Microbial Load is determined using Pour Plate Method in accordance to PNSDW 2017.

**REMARKS:**

The results showed that the water sample submitted **PASSED** the DOH standard for drinking water.

**REFERENCES:**

- \*Table A-1, Philippine National Standards for Drinking Water of 2017 (per DOH, AO No. 10, s. 2017)
- \*\*Standard Methods for the Examination of Water and Wastewater, 22nd Edition.

Analyzed & Certified by:

Niña Ysolina P. Perez, RMT  
Lab. Analyst PRC No. 0083492  
NRI Cert. No. 22-1148

Approved by:

Jay-Ar Rosano, RCh  
Laboratory Head  
PRC Reg. No. 0013997

This report shall not be modified and/or reproduced except in full and shall not be used for advertisement or litigation without the written consent of Alpha Laboratory Calamba Phils. Corp. The result(s) are certified true only for the sample(s) as received by Alpha Laboratory Calamba Phils. Corp.

LTO Road, Barangay Real, City of Calamba, Laguna | (049) 545-9982 | (049) 536-8443 | 0933-814-0082 | 0933-814-6618  
alphalabcalamba@gmail.com | alphalab.information@gmail.com | www.alphalab.com.ph