

PINAMUNGAJAN WATER DISTRICT
SUMMARY REPORT ON MICROBIOLOGICAL TEST
MONTH OF MAY 2018

- 1) Population actually served by utility 28,005
 (No. of service connections (5,601 x 5) average no. of persons
 per service connection)

No. of service connection 5,601

- 2) Required minimum number of sample 7.6
 (Based on the following table)

Population Served	Minimum Frequency of Sampling for Total Coliform and Thermotolerant Coliform/E.coli	Minimum Frequency of Sampling for Heterotrophic Plate Count (HPC)	Point of Compliance
Less than 5,000	2 samples monthly	2 samples monthly	Consumer's taps
5,000 – 100,000	1 sample per 5000 population + 2 additional samples monthly	1 sample per 5000 population + 2 additional samples monthly	Consumer's taps
More than 100,000	1 samples per 10,000 population + 12 additional samples monthly	Required at least 40% of the sampling points	Consumer's taps

- 3) Sample Requirement
- a. No. of samples examined 10
 - b. Percent (%) to the minimum required 200%
 - c. Meets Standard
- (If b is 100% or more, check Yes) ☒ Yes ☐ No

4) Parameter / Method

A. Total Coliform

4.1 Multiple Tube Fermentation Technique (MTFT)

- a. Number of samples showing presence of coli form colonies 0
 - b. Percent (%) to samples examined (4.1.a/3.a x 100) 0%
 - c. Meets Standard
- (If b is 5% or less, check Yes) ☒ Yes ☐ No

4.2 Membrane Filter Technique (MFT)

- a. Number of samples showing presence of coli form colonies NA
 - b. Percent (%) to the total number of
samples analyzed (4.2.a/3.a x 100) NA
 - c. Meets Standard
- (If b is 5% or less, check Yes) ☐ Yes ☐ No

4.3 Enzyme Substrate Coliform Test (EST)

a. Number of samples showing presence of coliform

0

b. Percent (%) to total number of sample examined
(4.3a/3.a x 100)

b. Meets Standard

(If a is Zero, check Yes)

☒

Yes

☐

No

B. Thermotolerant Coliform / E. coli

a. Number of sample showing presence of thermotolerant coliform /E. coli organisms

MTFT : MPN/100 ml value of <1.1

EST : Absent or < 1MPN/100 ml.

MFT : < thermotolerant coliform colonies / 100ml

0

b. Percent (%) to total number of Samples analyzed

0

c. Meets Standard

☒

Yes

☐

No

(if a is zero, check Yes)

C. Heterotrophic Plate Count (HPC)

a. Number of HPC tests conducted

10

b. No. of samples showing HPC value < 500 CFU/ml

10

c. Percent (%) to number of test conducted (b/a x 100)

100%

d. Meet Standard

☒

Yes


☐

No

(if c is 100% or more, check Yes)

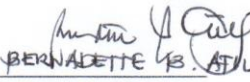
Attached are the corresponding laboratory test results.

SUBMITTED BY:


ERIC F. BARICUATRO
General Manager

June 27, 2018
Date

Received by:


BERNADETTE B. ATUL
Rural Health Unit

LWUA

Sangi Tabunok, Talisay City, Cebu • Tel. Nos.: (032) 272-7739 / 272-5186 / 491-7196

Accreditation No. 07-WTL-2018-004-P

BACTERIOLOGICAL TEST RESULT FOR DRINKING WATER

Name of Client: Pinamungajan Water District
Name of Company: Pinamungajan Water District
Water Treated: Yes
Sampling Point/s: Faucet - Regina Caballero
Submitted by: Eric F. Baricuatro
Date Received: May 29, 2018
Date of Sampling: May 29, 2018
Time of Sampling: 10:55 a.m.
Place of Sampling: Guimbawian, Pinamungajan, Cebu
Water Supply: Deepwell
Date of Release: June 5, 2018

RWT No. : ML 94706

Test Requested	Methodology	Units of Measurement/ Standards	No. of Positive Tubes (out of 5 Tubes)	Result/s	Standard/s	Remarks
Total Coliform	MTFT	MPN/100 mL	0	< 1.1	< 1.1	Passed
Thermotolerant Coliform	MTFT	MPN/100 mL	0	< 1.1	< 1.1	Passed
Heterotrophic Plate Count	Pour Plate	CFU/ mL	-	3	< 500	Passed

* MTFT - Multiple Tube Fermentation Technique

* CFU - Colony Forming Unit

* MPN - Most Probable Number

The result given in this report were obtained at the time of the test and refer only to the particular sample submitted.

References:

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Department of Health.

DAO 34 - 35. Department of Environment and Natural Resources.

American Public Health Association (APHA), 2012.

Standard Methods for the Examination of Water and Wastewater,
22nd ed., APHA Washington D.C.

Analyzed by:

Mr. Philip Neri Estocada

Lab Analyst

PRC License No. 0041398

Checked by:

Ms. Happy Mariel U. Lim

Laboratory Head

PRC License No. 0013262

Cert. No. WMLA - 17 - 0622

Certified by:

Mr. Johnjay L. Po / Mr. Jedricke L. Po

General Manager / Assistant Manager

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BACTERIOLOGICAL TEST RESULT FOR DRINKING WATER

Name of Client: Pinamungajan Water District
Name of Company: Pinamungajan Water District
Water Treated: Yes
Sampling Point/s: Faucet - Armando Genon
Submitted by: Eric F. Baricuatro
Date Received: May 29, 2018
Date of Sampling: May 29, 2018
Time of Sampling: 10:04 a.m.
Place of Sampling: Tanibag, Pinamungajan, Cebu
Water Supply: Deepwell
Date of Release: June 5, 2018

RWT No. : ML 94706

Test Requested	Methodology	Units of Measurement/ Standards	No. of Positive Tubes (out of 5 Tubes)	Result/s	Standard/s	Remarks
Total Coliform	MTFT	MPN/100 mL	0	< 1.1	< 1.1	Passed
Thermotolerant Coliform	MTFT	MPN/100 mL	0	< 1.1	< 1.1	Passed
Heterotrophic Plate Count	Pour Plate	CFU/ mL	-	4	< 500	Passed

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BACTERIOLOGICAL TEST RESULT FOR DRINKING WATER

Name of Client: Pinamungajan Water District
Name of Company: Pinamungajan Water District
Water Treated: Yes
Sampling Point/s: Faucet - Jacqueline Garcia
Submitted by: Eric F. Baricuatro
Date Received: May 29, 2018
Date of Sampling: May 29, 2018
Time of Sampling: 9:50 a.m.
Place of Sampling: Tajao, Pinamungajan, Cebu
Water Supply: Deepwell
Date of Release: June 5, 2018

RWT No. : ML 94706

Test Requested	Methodology	Units of Measurement/ Standards	No. of Positive Tubes (out of 5 Tubes)	Result/s	Standard/s	Remarks
Total Coliform	MTFT	MPN/100 mL	0	< 1.1	< 1.1	Passed
Thermotolerant Coliform	MTFT	MPN/100 mL	0	< 1.1	< 1.1	Passed
Heterotrophic Plate Count	Pour Plate	CFU/ mL	-	1	< 500	Passed

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BACTERIOLOGICAL TEST RESULT FOR DRINKING WATER

Name of Client: Pinamungajan Water District
Name of Company: Pinamungajan Water District
Water Treated: Yes
Sampling Point/s: Faucet - Mario Villahermosa
Submitted by: Eric F. Baricuatro
Date Received: May 29, 2018
Date of Sampling: May 29, 2018
Time of Sampling: 9:43 a.m.
Place of Sampling: Cabiangon, Pinamungajan, Cebu
Water Supply: Deepwell
Date of Release: June 5, 2018

RWT No. : ML 94706

Test Requested	Methodology	Units of Measurement/ Standards	No. of Positive Tubes (out of 5 Tubes)	Result/s	Standard/s	Remarks
Total Coliform	MTFT	MPN/100 mL	0	< 1.1	< 1.1	Passed
Thermotolerant Coliform	MTFT	MPN/100 mL	0	< 1.1	< 1.1	Passed
Heterotrophic Plate Count	Pour Plate	CFU/ mL	-	5	< 500	Passed

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BACTERIOLOGICAL TEST RESULT FOR DRINKING WATER

Name of Client: Pinamungajan Water District
Name of Company: Pinamungajan Water District
Water Treated: Yes
Sampling Point/s: Faucet - Jade Marie Nelmidia
Submitted by: Eric F. Baricuatro
Date Received: May 29, 2018
Date of Sampling: May 29, 2018
Time of Sampling: 9:33 a.m.
Place of Sampling: Butong, Pinamungajan, Cebu
Water Supply: Deepwell
Date of Release: June 5, 2018

RWT No. : ML 94706

Test Requested	Methodology	Units of Measurement/ Standards	No. of Positive Tubes (out of 5 Tubes)	Result/s	Standard/s	Remarks
Total Coliform	MTFT	MPN/100 mL	0	< 1.1	< 1.1	Passed
Thermotolerant Coliform	MTFT	MPN/100 mL	0	< 1.1	< 1.1	Passed
Heterotrophic Plate Count	Pour Plate	CFU/ mL	-	< 1	< 500	Passed

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* CFU - Colony Forming Unit

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BACTERIOLOGICAL TEST RESULT FOR DRINKING WATER

Name of Client: Pinamungajan Water District
Name of Company: Pinamungajan Water District
Water Treated: Yes
Sampling Point/s: Faucet - Arnulfo Panuncillon
Submitted by: Eric F. Baricuatro
Date Received: May 29, 2018
Date of Sampling: May 29, 2018
Time of Sampling: 9:26 a.m.
Place of Sampling: Pandacan, Pinamungajan, Cebu
Water Supply: Deepwell
Date of Release: June 5, 2018

RWT No. : ML 94706

Test Requested	Methodology	Units of Measurement/ Standards	No. of Positive Tubes (out of 5 Tubes)	Result/s	Standard/s	Remarks
Total Coliform	MTFT	MPN/100 mL	0	< 1.1	< 1.1	Passed
Thermotolerant Coliform	MTFT	MPN/100 mL	0	< 1.1	< 1.1	Passed
Heterotrophic Plate Count	Pour Plate	CFU/ mL	-	< 1	< 500	Passed

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BACTERIOLOGICAL TEST RESULT FOR DRINKING WATER

Name of Client: Pinamungajan Water District
Name of Company: Pinamungajan Water District
Water Treated: Yes
Sampling Point/s: Faucet - Rhea Antonette
Submitted by: Eric F. Baricuatro
Date Received: May 29, 2018
Date of Sampling: May 29, 2018
Time of Sampling: 9:12 a.m.
Place of Sampling: Tutay, Pinamungajan, Cebu
Water Supply: Deepwell
Date of Release: June 5, 2018

RWT No. : ML 94706

Test Requested	Methodology	Units of Measurement/ Standards	No. of Positive Tubes (out of 5 Tubes)	Result/s	Standard/s	Remarks
Total Coliform	MTFT	MPN/100 mL	0	< 1.1	< 1.1	Passed
Thermotolerant Coliform	MTFT	MPN/100 mL	0	< 1.1	< 1.1	Passed
Heterotrophic Plate Count	Pour Plate	CFU/ mL	-	1	< 500	Passed

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BACTERIOLOGICAL TEST RESULT FOR DRINKING WATER

Name of Client: Pinamungajan Water District
Name of Company: Pinamungajan Water District
Water Treated: Yes
Sampling Point/s: Faucet - Pelagia Dero
Submitted by: Eric F. Baricuatro
Date Received: May 29, 2018
Date of Sampling: May 29, 2018
Time of Sampling: 8:55 a.m.
Place of Sampling: Binabag, Pinamungajan, Cebu
Water Supply: Deepwell
Date of Release: June 5, 2018

RWT No. : ML 94706

Test Requested	Methodology	Units of Measurement/ Standards	No. of Positive Tubes (out of 5 Tubes)	Result/s	Standard/s	Remarks
Total Coliform	MTFT	MPN/100 mL	0	< 1.1	< 1.1	Passed
Thermotolerant Coliform	MTFT	MPN/100 mL	0	< 1.1	< 1.1	Passed
Heterotrophic Plate Count	Pour Plate	CFU/ mL	-	2	< 500	Passed

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BACTERIOLOGICAL TEST RESULT FOR DRINKING WATER

Name of Client: Pinamungajan Water District
Name of Company: Pinamungajan Water District
Water Treated: Yes
Sampling Point/s: Faucet - Michelle Gepitulan
Submitted by: Eric F. Baricuatro
Date Received: May 29, 2018
Date of Sampling: May 29, 2018
Time of Sampling: 8:47 a.m.
Place of Sampling: Poblacion, Pinamungajan, Cebu
Water Supply: Deepwell
Date of Release: June 5, 2018

RWT No. : ML 94706

Test Requested	Methodology	Units of Measurement/ Standards	No. of Positive Tubes (out of 5 Tubes)	Result/s	Standard/s	Remarks
Total Coliform	MTFT	MPN/100 mL	0	< 1.1	< 1.1	Passed
Thermotolerant Coliform	MTFT	MPN/100 mL	0	< 1.1	< 1.1	Passed
Heterotrophic Plate Count	Pour Plate	CFU/ mL	-	2	< 500	Passed

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Name of Client: Pinamungajan Water District
Name of Company: Pinamungajan Water District
Water Treated: Yes
Sampling Point/s: Faucet - Edmundo Severino
Submitted by: Eric F. Baricuatro
Date Received: May 29, 2018
Date of Sampling: May 29, 2018
Time of Sampling: 9:04 a.m.
Place of Sampling: Mangoto, Pinamungajan, Cebu
Water Supply: Deepwell
Date of Release: June 5, 2018

RWT No. : ML 94706

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Thermotolerant Coliform	MTFT	MPN/100 mL	0	< 1.1	< 1.1	Passed
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