

PINAMUNGAJAN WATER DISTRICT
SUMMARY REPORT ON MICROBIOLOGICAL TEST
MONTH OF DECEMBER 2017

1) Population actually served by utility 27,365
 (No. of service connections (5,473 x 5) average no. of persons
 per service connection)

2) Required minimum number of sample 5
 (Based on the following table)

Population Served	Minimum Frequency of sampling
Less than 5,000	One (1) sample monthly
5,000 – 100,000	One (1) sample per 5000 population monthly
More than 100,000	20 samples plus 1 sample per 10,000 population monthly

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

4) Method
 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 / Yes No
 (If b is 5% or less, check Yes)

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 Yes No
 (If b is 5% or less, check Yes)

4.3 Fecal Coli form Test (FCT)
 a. Number of samples showing presence of fecal coli form organisms with MPN/100 ml value of 1.1 or more 0
 b. Meets Standard / Yes No
 (If a is Zero, check Yes)

4.4 Heterotrophic Plate Count (HPC)
 a. Number of HPC tests conducted 10
 b. Number of Samples showing HPC value <500 CFU/ml 10
 c. Percent (%) to the number of tests conducted (b/a x 100) 100%
 d. Meets Standard / Yes No
 (If c is 100%, check Yes)

Attached are the corresponding laboratory test results.

SUBMITTED BY:

ERIC F. BARICUATRO
 General Manager

December 22, 2017
 Date

Received by:

EUNICE A. EBRADO, RN 12/29/17
 Rural Health Unit

LWUA

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

Accreditation No. 07-WL-2015-05-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 - Jacinto Villahermosa
Submitted by: Eric F. Baricuatro
Date Received: December 8, 2017
Date of Sampling: December 8, 2017
Time of Sampling: 11:48 a.m.
Place of Sampling: Cabiangon, Pinamungajan, Cebu
Water Supply: Deepwell
Date of Release: December 15, 2017

RWT No. : ML 88716

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

* 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:

Philippine National Standards for Drinking Water, 2017.

Department of Health.

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

American Public Health Association (APHA), 2005.

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

Checked & Certified by:

Ms. Happy Mariel U. Lim

Laboratory Head

PRC License No. 0013262

Approved by:

Mr. Johnjay L. Po

General Manager

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Accreditation No. 07-WL-2015-05-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 - Sacsac Elementary School
 Submitted by: Eric F. Baricuatro
 Date Received: December 8, 2017
 Date of Sampling: December 8, 2017
 Time of Sampling: 10:15 a.m.
 Place of Sampling: Sacsac, Pinamungajan, Cebu
 Water Supply: Deepwell
 Date of Release: December 15, 2017

RWT No. : ML 88716

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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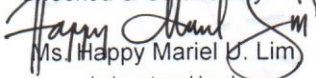
* MPN - Most Probable Number

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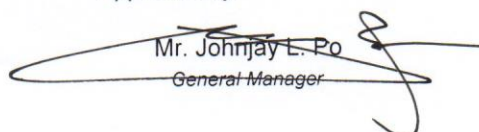
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BACTERIOLOGICAL TEST RESULT FOR DRINKING WATER

Name of Client: Pinamungajan Water District
Name of Company: Pinamungajan Water District
Water Treated: Yes
Sampling Point/s: Faucet - Ricardo Layar
Submitted by: Eric F. Baricuatro
Date Received: December 8, 2017
Date of Sampling: December 8, 2017
Time of Sampling: 9:59 a.m.
Place of Sampling: Tutay, Pinamungajan, Cebu
Water Supply: Deepwell
Date of Release: December 15, 2017

RWT No. : ML 88716

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 - Jose Intong
Submitted by: Eric F. Baricuatro
Date Received: December 8, 2017
Date of Sampling: December 8, 2017
Time of Sampling: 9:48 a.m.
Place of Sampling: Mangoto, Pinamungajan, Cebu
Water Supply: Deepwell
Date of Release: December 15, 2017

RWT No. : ML 88716

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 - Rosaire Niñal
 Submitted by: Eric F. Baricuatro
 Date Received: December 8, 2017
 Date of Sampling: December 8, 2017
 Time of Sampling: 9:35 a.m.
 Place of Sampling: Poblacion, Pinamungajan, Cebu
 Water Supply: Spring
 Date of Release: December 15, 2017

RWT No. : ML 88716

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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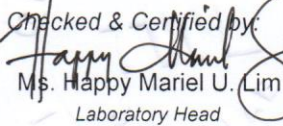
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* MPN - Most Probable Number

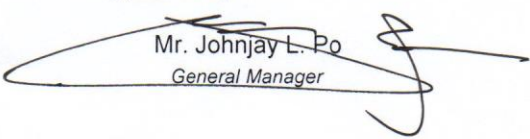
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BACTERIOLOGICAL TEST RESULT FOR DRINKING WATER

Name of Client: Pinamungajan Water District
Name of Company: Pinamungajan Water District
Water Treated: Yes
Sampling Point/s: Faucet - Florita Quisido
Submitted by: Eric F. Baricuatro
Date Received: December 8, 2017
Date of Sampling: December 8, 2017
Time of Sampling: 10:31 a.m.
Place of Sampling: Pandacan, Pinamungajan, Cebu
Water Supply: Deepwell
Date of Release: December 15, 2017

RWT No. : ML 88716

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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Philippine National Standards for Drinking Water, 2017.

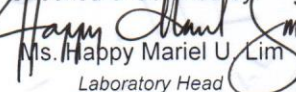
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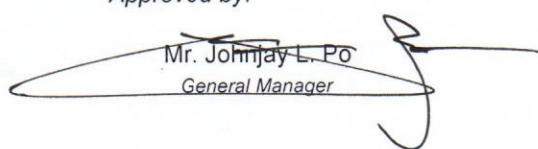
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BACTERIOLOGICAL TEST RESULT FOR DRINKING WATER

Name of Client: Pinamungajan Water District
Name of Company: Pinamungajan Water District
Water Treated: Yes
Sampling Point/s: Faucet - Jesus Gorres
Submitted by: Eric F. Baricuatro
Date Received: December 8, 2017
Date of Sampling: December 8, 2017
Time of Sampling: 10:40 a.m.
Place of Sampling: Butong, Pinamungajan, Cebu
Water Supply: Deepwell
Date of Release: December 15, 2017

RWT No. : ML 88716

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
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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 - Neci Pansoy
Submitted by: Eric F. Baricuatro
Date Received: December 8, 2017
Date of Sampling: December 8, 2017
Time of Sampling: 11:09 a.m.
Place of Sampling: Buhingtubig, Pinamungajan, Cebu
Water Supply: Deepwell
Date of Release: December 15, 2017

RWT No. : ML 88716

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
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Accreditation No. 07-WL-2015-05-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 - Jean Cabadila
 Submitted by: Eric F. Baricuatro
 Date Received: December 8, 2017
 Date of Sampling: December 8, 2017
 Time of Sampling: 11:29 a.m.
 Place of Sampling: Tanibag, Pinamungajan, Cebu
 Water Supply: Deepwell
 Date of Release: December 15, 2017

RWT No. : ML 88716

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
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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 - Regina Caballero
Submitted by: Eric F. Baricuatro
Date Received: December 8, 2017
Date of Sampling: December 8, 2017
Time of Sampling: 8:50 a.m.
Place of Sampling: Guimbawian, Pinamungajan, Cebu
Water Supply: Deepwell
Date of Release: December 15, 2017

RWT No. : ML 88716

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
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Heterotrophic Plate Count	Pour Plate	CFU/ mL	-	< 1	< 500	Passed

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