

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

1) Population actually served by utility 26,945
 (No. of service connections (5,389 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

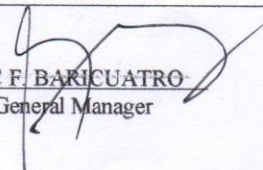
b. Number of Samples showing HPC value <500 CFU/ml 10

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

d. Meets Standard / Yes No
 (If c is 100%, check Yes)

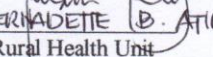
Attached are the corresponding laboratory test results.

SUBMITTED BY:


 ERIC F. BARICUATRO
 General Manager

October 25, 2017
 Date

Received by:


 BERNADETTE B. ATUL
 Rural Health Unit

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 - Gina Caballero
 Submitted by: Eric F. Baricuatro
 Date Received: September 26, 2017
 Date of Sampling: September 26, 2017
 Time of Sampling: 10:03 a.m.
 Place of Sampling: Guimbawian, Pinamungajan, Cebu
 Water Supply: Spring
 Date of Release: October 3, 2017

RWT No. : ML 86254

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

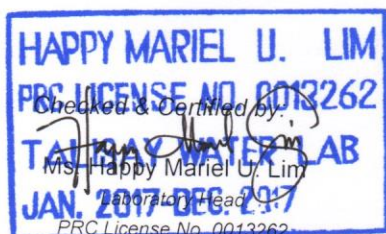
* CFU - Colony Forming Unit

* 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.



Approved by:

Fr: Mr. Johnjay L. Po
 General Manager

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 - Milo Alayre
 Submitted by: Eric F. Baricuatro
 Date Received: September 26, 2017
 Date of Sampling: September 26, 2017
 Time of Sampling: 8:30 a.m.
 Place of Sampling: Lut-od, Pinamungajan, Cebu
 Water Supply: Deepwell
 Date of Release: October 3, 2017

RWT No. : ML 86254

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

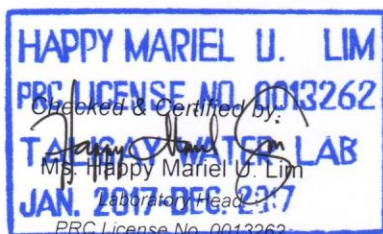
* CFU - Colony Forming Unit

* 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.
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Approved by:

Mr. Johnjay L. Po
 General Manager

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 - Rodina Nebres
Submitted by: Eric F. Baricuatro
Date Received: September 26, 2017
Date of Sampling: September 26, 2017
Time of Sampling: 8:15 a.m.
Place of Sampling: Tutay, Pinamungajan, Cebu
Water Supply: Deepwell
Date of Release: October 3, 2017

RWT No. : ML 86254

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

* MTFT - Multiple Tube Fermentation Technique

* CFU - Colony Forming Unit

* MPN - Most Probable Number

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References:

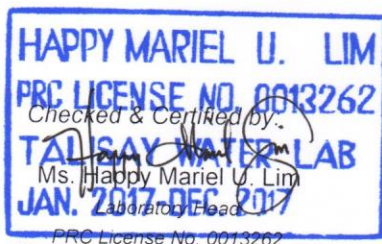
Philippine National Standards for Drinking Water, 2017.

Department of Health.

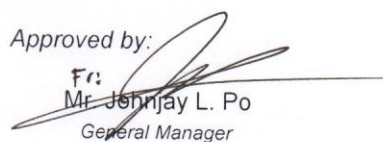
DAO 34 - 35. Department of Environment and Natural Resources.

American Public Health Association (APHA), 2005.

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



Approved by:

Fr: 
Mr. John Jay L. Po
General Manager

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 - Carlos Sabrera
 Submitted by: Eric F. Baricuatro
 Date Received: September 26, 2017
 Date of Sampling: September 26, 2017
 Time of Sampling: 10:45 a.m.
 Place of Sampling: Pandacan, Pinamungajan, Cebu
 Water Supply: Deepwell
 Date of Release: October 3, 2017

RWT No. : ML 86254

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

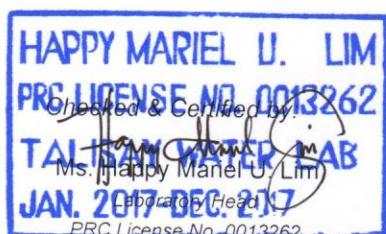
* CFU - Colony Forming Unit

* 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.
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 General Manager

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 - Jeffrey Indino
 Submitted by: Eric F. Baricuatro
 Date Received: September 26, 2017
 Date of Sampling: September 26, 2017
 Time of Sampling: 11:35 a.m.
 Place of Sampling: Targetan, Pinamungajan, Cebu
 Water Supply: Deepwell
 Date of Release: October 3, 2017

RWT No. : ML 86254

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

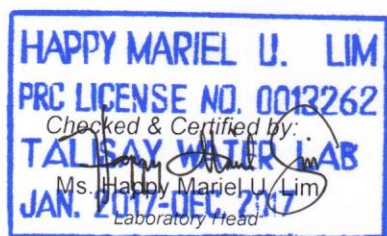
* CFU - Colony Forming Unit

* 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.



PRC License No. 0013262

Approved by:

fr:
 Mr. Johnjay L. Po
 General Manager

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 - Josephine Caraqui-an
 Submitted by: Eric F. Baricuatro
 Date Received: September 26, 2017
 Date of Sampling: September 26, 2017
 Time of Sampling: 11:09 a.m.
 Place of Sampling: Rizal, Pinamungajan, Cebu
 Water Supply: Deepwell
 Date of Release: October 3, 2017

RWT No. : ML 86254

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

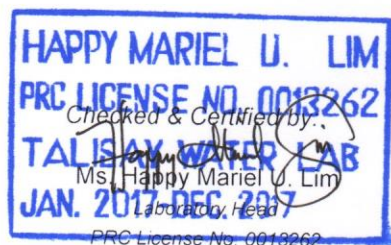
* CFU - Colony Forming Unit

* 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,
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Approved by:

Fr. Mr. Johnjay L. Po
 General Manager

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: September 26, 2017
Date of Sampling: September 26, 2017
Time of Sampling: 10:29 a.m.
Place of Sampling: Poblacion, Pinamungajan, Cebu
Water Supply: Deepwell
Date of Release: October 3, 2017

RWT No. : ML 86254

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:

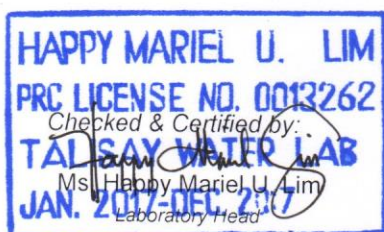
Philippine National Standards for Drinking Water, 2017.

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.



PRC License No. 0013262

Approved by:

Fi.
Mr. Johnjay L. Po
General Manager

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 - Delfin Fajardo
 Submitted by: Eric F. Baricuatro
 Date Received: September 26, 2017
 Date of Sampling: September 26, 2017
 Time of Sampling: 11:22 a.m.
 Place of Sampling: Tajao, Pinamungajan, Cebu
 Water Supply: Deepwell
 Date of Release: October 3, 2017

RWT No. : ML 86254

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:

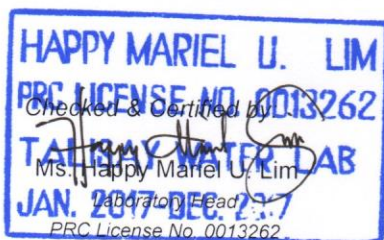
Philippine National Standards for Drinking Water, 2017.

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.



Approved by:

Fr: Mr. Johnjay L. Po
 General Manager

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 - Romulo Nemenzo
 Submitted by: Eric F. Baricuatro
 Date Received: September 26, 2017
 Date of Sampling: September 26, 2017
 Time of Sampling: 9:33 a.m.
 Place of Sampling: Sambagon, Pinamungajan, Cebu
 Water Supply: Spring
 Date of Release: October 3, 2017

RWT No. : ML 86254

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

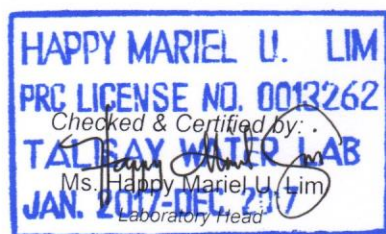
* CFU - Colony Forming Unit

* 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.



Approved by:
 Mr. Johnjay L. Po
 General Manager

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 - Ireneo Unde
 Submitted by: Eric F. Baricuatro
 Date Received: September 26, 2017
 Date of Sampling: September 26, 2017
 Time of Sampling: 9:03 a.m.
 Place of Sampling: Buhingtubig, Pinamungajan, Cebu
 Water Supply: Shallow Well
 Date of Release: October 3, 2017

RWT No. : ML 86254

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

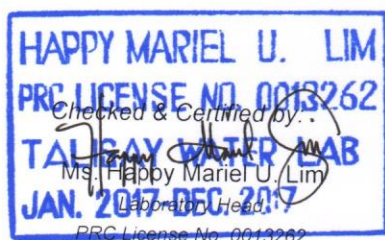
* CFU - Colony Forming Unit

* 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.

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Philippine National Standards for Drinking Water, 2017.
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