

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

1) Population actually served by utility 26,735
 (No. of service connections (5,347 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

September 26, 2017
 Date

Received by:

BERNADETTE B. ATIC
 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 - Lea Antonette Delima
Submitted by: Eric F. Baricuatro
Date Received: August 25, 2017
Date of Sampling: August 25, 2017
Time of Sampling: 9:56 a.m.
Place of Sampling: Tutay, Pinamungajan, Cebu
Water Supply: Deepwell
Date of Release: September 2, 2017

RWT No. : ML 85357

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.

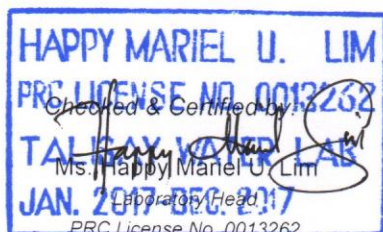
Department of Health.

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 - Fe Gepitulan
Submitted by: Eric F. Baricuatro
Date Received: August 25, 2017
Date of Sampling: August 25, 2017
Time of Sampling: 8:46 a.m.
Place of Sampling: Mangoto, Pinamungajan, Cebu
Water Supply: Deepwell
Date of Release: September 2, 2017

RWT No. : ML 85357

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:

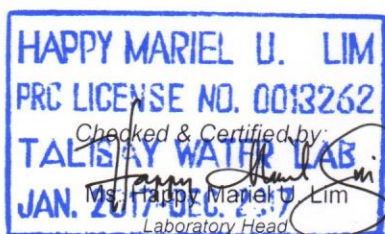
Philippine National Standards for Drinking Water, 2017.

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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PRC License No. 0013262

Approved by:

Fr:
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 - Marites Enriquez
Submitted by: Eric F. Baricuatro
Date Received: August 25, 2017
Date of Sampling: August 25, 2017
Time of Sampling: 8:33 a.m.
Place of Sampling: Binabag, Pinamungajan, Cebu
Water Supply: Deepwell
Date of Release: September 2, 2017

RWT No. : ML 85357

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:

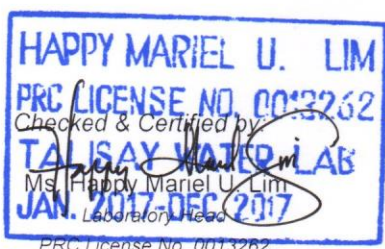
Philippine National Standards for Drinking Water, 2017.

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,
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Approved by:

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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 - Jovita Carang
Submitted by: Eric F. Baricuatro
Date Received: August 25, 2017
Date of Sampling: August 25, 2017
Time of Sampling: 8:22 a.m.
Place of Sampling: Poblacion, Pinamungajan, Cebu
Water Supply: Deepwell
Date of Release: September 2, 2017

RWT No. : ML 85357

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:

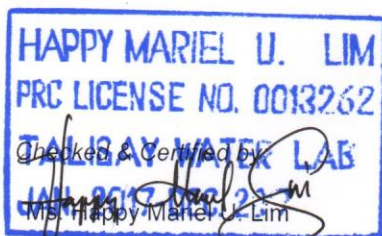
Philippine National Standards for Drinking Water, 2017.

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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Laboratory Head
PRC License No. 0013262

Approved by:

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 - Pinamungajan District Hospital
 Submitted by: Eric F. Baricuatro
 Date Received: August 25, 2017
 Date of Sampling: August 25, 2017
 Time of Sampling: 9:20 a.m.
 Place of Sampling: Pandacan, Pinamungajan, Cebu
 Water Supply: Deepwell
 Date of Release: September 2, 2017

RWT No. : ML 85357

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

* MTFT - Multiple Tube Fermentation Technique

* CFU - Colony Forming Unit

* MPN - Most Probable Number

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References:

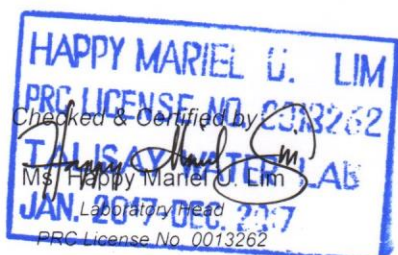
Philippine National Standards for Drinking Water, 2017.

Department of Health.

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

American Public Health Association (APHA), 2005.

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Approved by:

Fr:
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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 - Jesus Gorres Jr.
 Submitted by: Eric F. Baricuatro
 Date Received: August 25, 2017
 Date of Sampling: August 25, 2017
 Time of Sampling: 9:31 a.m.
 Place of Sampling: Butong, Pinamungajan, Cebu
 Water Supply: Deepwell
 Date of Release: September 2, 2017

RWT No. : ML 85357

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

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References:

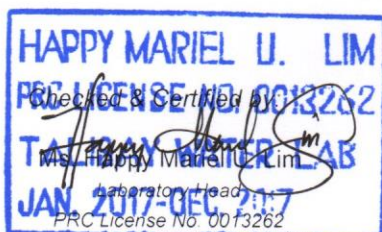
Philippine National Standards for Drinking Water, 2017.

Department of Health.

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

American Public Health Association (APHA), 2005.

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Approved by:

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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 - Jessie Yap
 Submitted by: Eric F. Baricuatro
 Date Received: August 25, 2017
 Date of Sampling: August 25, 2017
 Time of Sampling: 11:05 a.m.
 Place of Sampling: Cabiangon, Pinamungajan, Cebu
 Water Supply: Deepwell
 Date of Release: September 2, 2017

RWT No. : ML 85357

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	-	11	< 500	Passed

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* MPN - Most Probable Number

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References:

Philippine National Standards for Drinking Water, 2017.

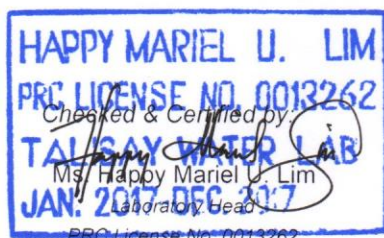
Department of Health.

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

American Public Health Association (APHA), 2005.

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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 - Aladin Talaid
 Submitted by: Eric F. Baricuatro
 Date Received: August 25, 2017
 Date of Sampling: August 25, 2017
 Time of Sampling: 10:05 a.m.
 Place of Sampling: Tajao, Pinamungajan, Cebu
 Water Supply: Deepwell
 Date of Release: September 2, 2017

RWT No. : ML 85357

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	-	15	< 500	Passed

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* CFU - Colony Forming Unit

* MPN - Most Probable Number

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References:

Philippine National Standards for Drinking Water, 2017.

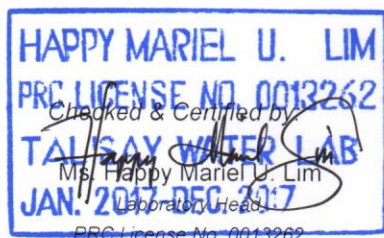
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General Manager

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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 - Felisa Sabeniana
 Submitted by: Eric F. Baricuatro
 Date Received: August 25, 2017
 Date of Sampling: August 25, 2017
 Time of Sampling: 10:48 a.m.
 Place of Sampling: Tanibag, Pinamungajan, Cebu
 Water Supply: Deepwell
 Date of Release: September 2, 2017

RWT No. : ML 85357

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	-	14	< 500	Passed

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* 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.

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 22nd ed., APHA Washington D.C.

HAPPY MARIEL U. LIM
PRC LICENSE NO. 0013262
 Checked & Certified by
TALISAY WATER LAB
 Ms. Happy Mariel U. Lim
 Laboratory Head
 JAN 2017-DEC 2017

PRC License No. 0013262

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 - Richard Canillo
Submitted by: Eric F. Baricuatro
Date Received: August 25, 2017
Date of Sampling: August 25, 2017
Time of Sampling: 9:05 a.m.
Place of Sampling: Sacsac, Pinamungajan, Cebu
Water Supply: Deepwell
Date of Release: September 2, 2017

RWT No. : ML 85357

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:

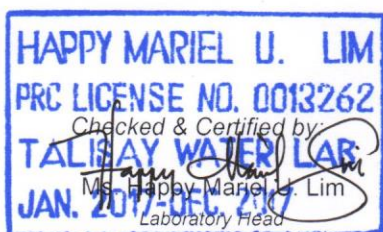
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Department of Health.

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American Public Health Association (APHA), 2005.

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