



FORM I - STANDARD FORMAT FOR MICROBIOLOGICAL TEST RESULTS

(Instruction: Fill up the yellow-colored cells)

LIANGA WATER DISTRICT
Province: Surigao del Sur
SUMMARY REPORT ON MICROBIOLOGICAL TEST
MONTH OF OCTOBER 20 20

1. Population actually served by utility:

(No. of service connections x ave. no. of persons per service connection (5 persons per household) 18,000

No. of service connections 3,600

2. Required minimum number of samples based on the table below:

2.a For Total Coliform & Thermotolerant Coliform/E.Coli 6 samples
2.b For Heterotrophic Plate Count 6 samples

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	Consumers' taps
5,000 - 100,000	1 sample per 5,000 population + 2 additional samples monthly	1 sample per 5,000 population + 2 additional samples monthly	Consumers' taps
More than 100,000	1 sample per 10,000 population + 12 additional samples monthly	Required at least 40% of the sampling points	Consumers' taps
<i>Note: Collection of samples should be spread out within a month</i>			

3. Sample Requirement

a. No. of samples examined. 6
b. Percent (%) to the minimum required. 100.0%
c. Met Standards? ☒ Yes ☐ No
("Yes" if b is 100% or more. "No" if b is less than 100%.)

4. Parameter/Method

A. Total Coliform

4.1 Multiple Tube Fermentation Technique (MTFT)

a. Number of samples showing presence of coliform group. 0
b. Percent (%) to samples examined (4.1.a/3.a x 100). 0.0%
c. Met Standards? ☒ Yes ☐ No
("Yes" if b is 5% or less. "No" if b is more than 5%.)

4.2 Membrane Filter Technique (MFT)

a. Number of samples showing presence of coliform colonies. 0
b. Percent (%) to the number of samples analyzed. 0.0%
(4.2.a/3.a x 100)
c. Met Standards? ☒ Yes ☐ No
("Yes" if b is 5% or less. "No" if b is more than 5%.)

4.3 Enzyme Substrate Coliform Test (EST)

a . Number of samples showing presence of coliform.

b . Percent (%) to total number of samples examined.

(4.3.a/3.a x 100)

c . Met Standards?

☐ Yes ☒ No

("Yes" if b is 5% or less. "No" if b is more than 5%.)

0.0%

B. Thermotolerant Coliform/ E. coli

a . Number of samples showing presenvce of thermotolerant coliform/E. coli organisms.

MTFT: MPN/100 ml value of < 1.1

EST: Absent or < 1 MPN/100 ml

MFT: < 1 thermotolerant coliform colonies/100ml.

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

c . Met Standards?

☒ Yes ☐ No

("Yes" if a is zero. "No" if a is not equal to zero.)

0

0.0%

C. Heterotrophic Plate Count (HPC)

a . Number of HPC tests conducted.

Percent (%) to the minimum required.

Met Standards (no. of samples)?

☒ Yes ☐ No

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

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

d . Met Standards?

☒ Yes ☐ No

("Yes" if c is 100%. "No" if c is not 100%.)

6

100.0%

6

100.0%

5 DISINFECTION RESIDUAL

5.A Using Free Residual Chlorine

a . No. of days without a test conducted

b . No. of samples with residual chlorine <0.3 or >1.5 mg/L

c . Met Standards?

☒ Yes ☐ No

("Yes" if a and b are both zero. "No" if either a or b, or both a and b are not zero.)

0

0

5.B Using Chlorine Dioxide

a . No. of days without a test conducted

b . No. of samples with residual chlorine dioxide <0.2 or >0.4 mg/L

c . Met Standards?

☒ Yes ☐ No

("Yes" if a and b are both zero. "No" if either a or b, or both a and b are not zero.)

0

0

NOTE:

FOR MICROBIOLOGICAL RESULTS:

If number of samples is 20 or less, please attach laboratory test results with this summary form.

number of samples is more than 20, only the summary form is required even without accompanying laboratory test results.

SUBMITTED BY:

WILFREDO G. SANCHEZ

General Manager



Beyond Providing Water

Republic of the Philippines
SAN FRANCISCO WATER DISTRICT
San Francisco, Agusan del Sur

SAN FRANCISCO WATER DISTRICT LABORATORY
(DOH Accreditation No.: 16-002-16-LW-1)

WATER BACTERIOLOGICAL EXAMINATION

CLIENT'S INFORMATION

Date: October 21, 2020

Requested by : Lianga Water District
Address of requesting party : Annex-A Market Mall, Lianga, Surigao del Sur
Contact Person & No. : Wilfredo G. Sanchez - 09299757591

SAMPLE'S INFORMATION

Date and time of collection : October 13, 2020 - 7:10am
Location of sampling point : Laroyo, Zone-7, Purok-3
Brgy. Anibongan
Sample source : Developed spring
Sampling point : Faucet
Treatment process : None
Disinfection process : Chlorine
Analyte/Sample Identity : Product

LABORATORY'S INFORMATION

Sample No. : B20-10-2797
Physical characteristics : Clear
Date examined : October 13, 2020
Date paid / O.R. no. : October 13, 2020 - 563620

LABORATORY RESULTS

PARAMETERS	RESULT OF ANALYSIS	PNSDW (Phil. Nat'l Standards for Drinking Water)	REMARKS
HPC (Heterothropic Plate Count)	215	less than 500 cfu/mL	Passed ✓
Total Coliform	less than 1.1	less than 1.1 (MPN/100 mL)	Passed ✓
Fecal Coliform / Thermotolerant	less than 1.1	less than 1.1 (MPN/100 mL)	Passed ✓

Method of Determination: Multiple Tube Fermentation Technique (MTFT) for Coliform.

: Pour plate method for HPC

Remarks: Result of examination relate only to sample as submitted and tested.

Water sample is negative of both total and fecal coliform organisms.

HPC is within the standard limit set by PNSDW.

I hereby certify that the above data/information are true and correct.

Prepared & Certified Correct

Approved:

Noted:

CYD OLIVETTE P. COMPLETO
(Cert. No. WMLA 12-0223)
U/CSO-A/QWPS

MAMRY B. PAYLANGCO
Division Manager C

ELMER T. LUZON
General Manager C

Released by: LEAN C. JAYASIG
Name and Signature

Received by: _____
Name and Signature

Date: 007 23 2020

Date: _____

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2019-07-21
Rev. No. 00, 2019



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WATER BACTERIOLOGICAL EXAMINATION

CLIENT'S INFORMATION

Date: October 21, 2020

Requested by : Lianga Water District
Address of requesting party : Annex-A Market Mall, Lianga, Surigao del Sur
Contact Person & No. : Wilfredo G. Sanchez - 09299757591

SAMPLE'S INFORMATION

Date and time of collection : October 13, 2020 - 6:38am
Location of sampling point : Salomon, Zone-2, Purok -5
Poblacion, Lianga
Sample source : Developed spring
Sampling point : Faucet
Treatment process : None
Disinfection process : Chlorine
Analyte/Sample Identity : Product

LABORATORY'S INFORMATION

Sample No. : B20-10-2796
Physical characteristics : Clear
Date examined : October 13, 2020
Date paid / O.R. no. : October 13, 2020 - 563620

LABORATORY RESULTS

PARAMETERS	RESULT OF ANALYSIS	PNSDW (Phil. Nat'l Standards for Drinking Water)	REMARKS
HPC (Heterothropic Plate Count)	2	less than 500 cfu/mL	Passed ✓
Total Coliform	less than 1.1	less than 1.1 (MPN/100 mL)	Passed ✓
Fecal Coliform / Thermotolerant	less than 1.1	less than 1.1 (MPN/100 mL)	Passed ✓

Method of Determination: Multiple Tube Fermentation Technique (MTFT) for Coliform.
: Pour plate method for HPC

Remarks: Result of examination relate only to sample as submitted and tested.
Water sample is negative of both total and fecal coliform organisms.
HPC is within the standard limit set by PNSDW.

I hereby certify that the above data/information are true and correct.

Prepared & Certified Correct

Approved:

Noted:

CYD OLIVETTE P. COMPLETO
(Cert. No. WMLA 12-0223)
U/CSO-A/CWPS

MAMRY B. PAYLANGCO
Division Manager C

ELMER T. LUZON
General Manager C

Released by: LEANNY CARANISIL
Name and Signature

Received by: _____
Name and Signature

Date: 10/20/2020

Date: _____



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SAN FRANCISCO WATER DISTRICT
San Francisco, Agusan del Sur

SAN FRANCISCO WATER DISTRICT LABORATORY
(DOH Accreditation No.: 16-002-16-LW-1)

WATER BACTERIOLOGICAL EXAMINATION

CLIENT'S INFORMATION

Date: October 21, 2020

Requested by : Lianga Water District
Address of requesting party : Annex-A Market Mall, Lianga, Surigao del Sur
Contact Person & No. : Wilfredo G. Sanchez - 09299757591

SAMPLE'S INFORMATION

Date and time of collection : October 13, 2020 - 6:25am
Location of sampling point : L. Sarmen, Zone-3 Purok-3
Brgy. Banahao
Sample source : Developed spring
Sampling point : Faucet
Treatment process : None
Disinfection process : Chlorine
Analyte/Sample Identity : Product

LABORATORY'S INFORMATION

Sample No. : B20-10-2795
Physical characteristics : Clear
Date examined : October 13, 2020
Date paid / O.R. no. : October 13, 2020 - 563620

LABORATORY RESULTS

PARAMETERS	RESULT OF ANALYSIS	PNSDW (Phil. Nat'l Standards for Drinking Water)	REMARKS
HPC (Heterothropic Plate Count)	<1	less than 500 cfu/mL	Passed ✓
Total Coliform	less than 1.1	less than 1.1 (MPN/100 mL)	Passed ✓
Fecal Coliform / Thermotolerant	less than 1.1	less than 1.1 (MPN/100 mL)	Passed ✓

Method of Determination: Multiple Tube Fermentation Technique (MTFT) for Coliform.

: Pour plate method for HPC

Remarks: Result of examination relate only to sample as submitted and tested.

Water sample is negative of both total and fecal coliform organisms.

HPC is within the standard limit set by PNSDW.

I hereby certify that the above data/information are true and correct.

Prepared & Certified Correct

Approved:

CYD OLIVETTE P. COMPLETO
(Cert. No. WMLA 12-0223)
U/CSO-A/QWPS

MAMET B. PAYLANGCO
Division Manager C

Noted:

ELMERT T. LUZON
General Manager C

Released by: LEAN V. BANASIG
Name and Signature

Date: Oct 23 2020

Received by: _____
Name and Signature

Date: _____



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WATER BACTERIOLOGICAL EXAMINATION

CLIENT'S INFORMATION

Date: October 21, 2020

Requested by : Lianga Water District
Address of requesting party : Annex-A Market Mall, Lianga, Surigao del Sur
Contact Person & No. : Wilfredo G. Sanchez - 09299757591

SAMPLE'S INFORMATION

LABORATORY'S INFORMATION

Date and time of collection : October 13, 2020 - 6:10am
Location of sampling point : Valles, Zone-6, Purok-4
Brgy. St. Christine
Sample source : Surface water
Sampling point : Faucet
Treatment process : None
Disinfection process : Chlorine
Analyte/Sample Identity : Product

Sample No. : B20-10-2794
Physical characteristics : Clear
Date examined : October 13, 2020
Date paid / O.R. no. : October 13, 2020 - 563620

LABORATORY RESULTS

PARAMETERS	RESULT OF ANALYSIS	PNSDW (Phil. Nat'l Standards for Drinking Water)	REMARKS
HPC (Heterothropic Plate Count)	<1	less than 500 cfu/mL	Passed
Total Coliform	less than 1.1	less than 1.1 (MPN/100 mL)	Passed
Fecal Coliform / Thermotolerant	less than 1.1	less than 1.1 (MPN/100 mL)	Passed

Method of Determination: Multiple Tube Fermentation Technique (MTFT) for Coliform.

: Pour plate method for HPC

Remarks: Result of examination relate only to sample as submitted and tested.

Water sample is negative of both total and fecal coliform organisms.

HPC is within the standard limit set by PNSDW.

I hereby certify that the above data/information are true and correct.

Prepared & Certified Correct

Approved:

Noted:

CYD OLIVETTE P. COMPLETO

(Cert. No. WMLA 12-0223)

U/CSO-A/CWPS

MAMRY B. PAYLANGCO

Division Manager C

ELMER T. LUZON

General Manager C

Released by: LEANN V. BANASIG

Name and Signature

Date: 23 2020

Received by: _____

Name and Signature

Date: _____



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WATER BACTERIOLOGICAL EXAMINATION

CLIENT'S INFORMATION

Requested by : Lianga Water District
Address of requesting party : Annex-A Market Mall, Lianga, Surigao del Sur
Contact Person & No. : Wilfredo G. Sanchez - 09299757591

Date: October 21, 2020

SAMPLE'S INFORMATION

Date and time of collection : October 13, 2020 - 5:58am
Location of sampling point : Bantugan, Zone-5 P-3 National Highway Diatagon
Sample source : Surface water
Sampling point : Faucet
Treatment process : None
Disinfection process : Chlorine
Analyte/Sample Identity : Product

LABORATORY'S INFORMATION

Sample No. : B20-10-2793
Physical characteristics : Clear
Date examined : October 13, 2020
Date paid / O.R. no. : October 13, 2020 - 563620

LABORATORY RESULTS

PARAMETERS	RESULT OF ANALYSIS	PNSDW (Phil. Nat'l Standards for Drinking Water)	REMARKS
HPC (Heterothropic Plate Count)	<1	less than 500 cfu/mL	Passed ✓
Total Coliform	less than 1.1	less than 1.1 (MPN/100 mL)	Passed ✓
Fecal Coliform / Thermotolerant	less than 1.1	less than 1.1 (MPN/100 mL)	Passed ✓

Method of Determination: Multiple Tube Fermentation Technique (MTFT) for Coliform.

: Pour plate method for HPC

Remarks: Result of examination relate only to sample as submitted and tested.

Water sample is negative of both total and fecal coliform organisms.

HPC is within the standard limit set by PNSDW.

I hereby certify that the above data/information are true and correct.

Prepared & Certified Correct

CYD OLIVETTE P. COMPLETO
(Cert. No. WMLA 12-0223)
U/CSO-A/QWPS

Released by: LEANN V. JAMASIC

Name and Signature

Date: Oct 23 2020

Approved:

MAMRY B. PAYLANGCO
Division Manager C

Noted:

ELMER T. LUZON
General Manager C

Received by: _____

Name and Signature

Date: _____



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WATER BACTERIOLOGICAL EXAMINATION

CLIENT'S INFORMATION

Requested by : Lianga Water District
Address of requesting party : Annex-A Market Mall, Lianga, Surigao del Sur
Contact Person & No. : Wilfredo G. Sanchez - 09299757591

Date: October 21, 2020

SAMPLE'S INFORMATION

Date and time of collection : October 13, 2020 - 5:48am
Location of sampling point : De Jesus, Zone-4, Purok-2
Diatagon
Sample source : Surface water
Sampling point : Faucet
Treatment process : None
Disinfection process : Chlorine
Analyte/Sample Identity : Product

LABORATORY'S INFORMATION

Sample No. : B20-10-2792
Physical characteristics : Clear
Date examined : October 13, 2020
Date paid / O.R. no. : October 13, 2020 - 563620

LABORATORY RESULTS

PARAMETERS	RESULT OF ANALYSIS	PNSDW (Phil. Nat'l Standards for Drinking Water)	REMARKS
HPC (Heterothropic Plate Count)	195	less than 500 cfu/mL	Passed ✓
Total Coliform	less than 1.1	less than 1.1 (MPN/100 mL)	Passed ✓
Fecal Coliform / Thermotolerant	less than 1.1	less than 1.1 (MPN/100 mL)	Passed ✓

Method of Determination: Multiple Tube Fermentation Technique (MTFT) for Coliform.

: Pour plate method for HPC

Remarks: Result of examination relate only to sample as submitted and tested.

Water sample is negative of both total and fecal coliform organisms.

HPC is within the standard limit set by PNSDW.

I hereby certify that the above data/information are true and correct.

Prepared & Certified Correct

CYD OLIVETTE P. COMPLETO

(Cert. No. WMLA 12-0223)

U/CSO-A/QWPS

Released by: LEAH V. RAMOS

Name and Signature

Date: Oct 23 2020

Approved:

MAMRY B. PAYLANGCO

Division Manager C

Noted:

ELMER T. LUZON

General Manager C

Received by: _____

Name and Signature

Date: _____