

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 DECEMBER 20 20

1. Population actually served by utility:
 (No. of service connections x ave. no. of persons per service connection (5 persons per household) 18,325

No. of service connections 3,665

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

Note: Collection of samples should be spread out within a month

3. Sample Requirement

a. No. of samples examined. 6
 b. Percent (%) to the minimum required. 100.0%
 c. Met Standards? Yes 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 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 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. 0.0%
(4.3.a/3.a x 100)
- c . Met Standards? Yes No No
("Yes" if b is 5% or less. "No" if b is more than 5%.)

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. 0
- b . Percent (%) to total number of samples analyzed 0.0%
- c . Met Standards? Yes Yes No No
("Yes" if a is zero. "No" if a is not equal to zero.)

C. Heterotrophic Plate Count (HPC)

- a . Number of HPC tests conducted. 6
Percent (%) to the minimum required. 100.0%
Met Standards (no. of samples)? Yes Yes No No
- b . No. of samples showing HPC value < 500 CFU/ml. 6
- c . Percent (%) to number of tests conducted (b/a x 100). 100.0%
- d . Met Standards? Yes Yes No No
("Yes" if c is 100%. "No" if c is not 100%.)

5 DISINFECTION RESIDUAL

5.A Using Free Residual Chlorine

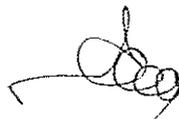
- a . No. of days without a test conducted 0
- b . No. of samples with residual chlorine <0.3 or >1.5 mg/L 0
- c . Met Standards? Yes Yes No No
("Yes" if a and b are both zero. "No" if either a or b, or both a and b are not zero.)

5.B Using Chlorine Dioxide

- a . No. of days without a test conducted 0
- b . No. of samples with residual chlorine dioxide <0.2 or >0.4 mg/L 0
- c . Met Standards? Yes Yes No No
("Yes" if a and b are both zero. "No" if either a or b, or both a and b are not zero.)

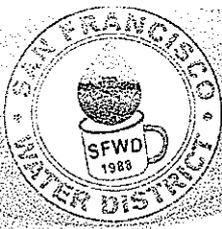
NOTE: *FOR MICROBIOLOGICAL RESULTS:*
If number of samples is 20 or less, please attach laboratory test results with this summary form.
If number of samples is more than 20, only the summary form is required even without accompanying laboratory test results.

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: December 10, 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	: December 1, 2020 - 7:15am	Sample No.	: B20-12-3353
Location of sampling point	: De Castro, Zone-2 Purok-1 Tigis, Lianga, Surigao del Sur	Physical characteristics	: Clear
Sample source	: Developed spring	Date examined	: December 1, 2020
Sampling point	: Faucet	Date paid / O.R. no.	: December 1, 2020 - 573783
Treatment process	: None		
Disinfection process	: Chlorine		
Analyte/Sample Identity	: Product		

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/QWPS

[Signature]
 MAMRY B. PAYLANGCO
 Division Manager C

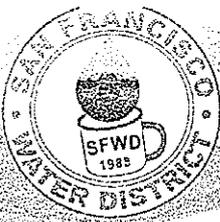
[Signature]
 ELMER T. LUZON
 General Manager C

Released by: CYD OLIVETTE P. COMPLETO
 Name and Signature

Received by: _____
 Name and Signature

Date: DEC 14 2020

Date: _____



Bayad, Proradong, Mawar

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

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WATER BACTERIOLOGICAL EXAMINATION

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Date: December 10, 2020

Requested by : Lianga Water District
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Contact Person & No. : Wilfredo G. Sanchez - 09299757591

SAMPLE'S INFORMATION

LABORATORY'S INFORMATION

Date and time of collection : December 1, 2020 - 6:20am
Location of sampling point : Beros, Zone-6 Purok-4
St. Christine Surigao del Sur
Sample source : Surface water
Sampling point : Faucet
Treatment process : None
Disinfection process : Chlorine
Analyte/Sample Identity : Product
Sample No. : B20-12-3351
Physical characteristics : Clear
Date examined : December 1, 2020
Date paid / O.R. no. : December 1, 2020 - 573783

LABORATORY RESULTS

PARAMETERS	RESULT OF ANALYSIS	PNSDW (Phil. Nat'l Standards for Drinking Water)	REMARKS
HPC (Heterothropic Plate Count)	39	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:

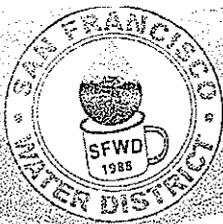
CYD OLIVETTE P. COMPLETO
(Cert. No. WMLA 12-0223)
U/CSO-A/QWPS

Mamry B. Paylangco
MAMRY B. PAYLANGCO
Division Manager C

Elmer T. Luzon
ELMER T. LUZON
General Manager C

Released by: *LEONARDO ANASIO*
Name and Signature
Date: 12/10/2020

Received by: _____
Name and Signature
Date: _____



Bayand Pinatong Water

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

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WATER BACTERIOLOGICAL EXAMINATION

CLIENT'S INFORMATION

Date: December 10, 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 : December 1, 2020 - 6:12am
Location of sampling point : Camara, Zone-5 Purok-4
Tabon Tabon, Diatagon
Sample source : Surface water
Sampling point : Faucet
Treatment process : None
Disinfection process : Chlorine
Analyte/Sample Identity : Product

Sample No. : B20-12-3350
Physical characteristics : Clear
Date examined : December 1, 2020
Date paid / O.R. no. : December 1, 2020 - 573783

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

[Signature]
MAMRY B. PAYLANGCO
Division Manager C

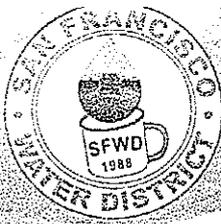
[Signature]
ELMER T. LUZON
General Manager C

Released by: CAN Y. SANASIO
Name and Signature

Received by: _____
Name and Signature

Date: _____

Date: _____



Bayang, Purokang, Watawat

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San Francisco, Agusan del Sur

SAN FRANCISCO WATER DISTRICT LABORATORY
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WATER BACTERIOLOGICAL EXAMINATION

CLIENT'S INFORMATION

Date: December 10, 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 : December 1, 2020 - 7:28am
Location of sampling point : Gonzalez, Zone-7 Purok-3
Baugo, Lianga, Surigao del Sur
Sample source : Developed spring
Sampling point : Faucet
Treatment process : None
Disinfection process : Chlorine
Analyte/Sample Identity : Product

Sample No. : B20-12-3354
Physical characteristics : Clear
Date examined : December 1, 2020
Date paid / O.R. no. : December 1, 2020 - 573783

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.

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(Cert. No. WMLA 12-0223)
U/CSO-A/QWPS

MAMRY B. PAYLANGCO
Division Manager C

ELMER T. LUZON
General Manager C

Released by: LEANN B. SANSANIG
Name and Signature

Received by: _____
Name and Signature

Date: _____

Date: _____



Bayand Proudang 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: December 28, 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	: December 15, 2020 - 6:20am	Sample No.	: B20-12-3542
Location of sampling point	: S. Gomez, Zone-4, Purok-1 DYLM, Diatagon	Physical characteristics	: Clear
Sample source	: Surface water	Date examined	: December 15, 2020
Sampling point	: Faucet	Date paid / O.R. no.	: December 15, 2020 - 585719
Treatment process	: None		
Disinfection process	: Chlorine		
Analyte/Sample Identity	: Product		

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

[Signature]
MAMRY B. PAYLANGCO
Division Manager C

[Signature]
EMBERT LUZON
General Manager C

Released by: LEAN V. BANAGIS
Name and Signature

Received by: _____
Name and Signature

Date: _____

Date: _____



Beypid 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: December 28, 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	: December 15, 2020 - 6:50am	Sample No.	: B20-12-3541
Location of sampling point	: A. Adlawan, Zone-3 Purok-2 Brgy. Banahao	Physical characteristics	: Clear
Sample source	: Developed spring	Date examined	: December 15, 2020
Sampling point	: Faucet	Date paid / O.R. no.	: December 15, 2020 - 585719
Treatment process	: None		
Disinfection process	: Chlorine		
Analyte/Sample Identity	: Product		

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 ✓
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 U/CSO-A/QWPS

MAMRY B. PAYLANGCO
 Division Manager C

ELMER T. LUZON
 General Manager C

Released by: **LEAN V. BANASIG**

Received by: _____

Date: _____
 Name and Signature

Date: _____
 Name and Signature