



CABANATUAN CITY WATER DISTRICT WATER TESTING LABORATORY

229 Maharlika Road, Dicarma District, Cabanatuan City, Philippines
Telefax (44) 463-2877, 463-1646 to 47, 940-1216
DOH Accreditation #03-001-18-LW-1

WATER MICROBIOLOGY ANALYSIS REPORT

Client: **GUIMBA WATER DISTRICT**
Owner/Manager: **Engr. FELIXBERTO C. LEGARDA**
Address: **COR. DANZALAN AND FAIGAL ST.,
GUIMBA, NUEVA ECIJA**

WMAR No: **19-052A**
Date Received: **January 16, 2019**
Date Analyzed: **January 16, 2019**
Date Completed: **January 18, 2019**


Physical Characteristics: **Sample is clear, with no foreign matter**


Sampling Point	Date and Time of Sampling	Heterotrophic Plate Count (Est. CFU/mL)	Total Coliform	Fecal/Thermotolerant Coliform	Remarks
			(MPN/100mL)		
San Andres Pump Station	January 16, 2019 7:39 AM	<1	<1.1	<1.1	PASSED
PNSDW Limits AO 2017-0010:		<500	<1.1	<1.1	

Est. CFU/mL = Estimated Colony Forming Units per milliliter

MPN/100mL = Most Probable Number per 100 milliliters

- Note:
1. Test method used
 - a. Pour Plate Method for the determination of Heterotrophic Plate Count
 - b. Multiple Tube Fermentation Technique for the determination of Total and Fecal/Thermotolerant coliforms
 2. References:
 - a. Philippine National Standards for Drinking Water, 2017
 - b. Standard Methods for the Examination of Water and Wastewater, 22nd Edition, 2012, APHA, AWWA, WEF
 3. Result of examination **specifically** relates to samples as received


Veronica A. Presentacion, RMicro
Analyst, PAM No. 18-00303


Susana P. Quiaoit, MD, FPSP
Head of the Laboratory, PRC No. 64242

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WATER MICROBIOLOGY ANALYSIS REPORT

Client: **GUIMBA WATER DISTRICT**
Owner/Manager: **Engr. FELIXBERTO C. LEGARDA**
Address: **COR. DANZALAN AND FAIGAL ST.,
GUIMBA, NUEVA ECIJA**

WMAR No: **19-052B**
Date Received: **January 16, 2019**
Date Analyzed: **January 16, 2019**
Date Completed: **January 18, 2019**


Physical Characteristics: **Sample is clear, with no foreign matter**


Sampling Point	Date and Time of Sampling	Heterotrophic Plate Count (Est. CFU/mL)	Total Coliform	Fecal/Thermotolerant Coliform	Remarks
			(MPN/100mL)		
Camiing	January 16, 2019 7:47 AM	<1	<1.1	<1.1	PASSED
PNSDW Limits AO 2017-0010:		<500	<1.1	<1.1	

Est. CFU/mL = Estimated Colony Forming Units per milliliter

MPN/100mL = Most Probable Number per 100 milliliters

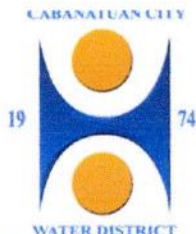
- Note:
1. Test method used
 - a. Pour Plate Method for the determination of Heterotrophic Plate Count
 - b. Multiple Tube Fermentation Technique for the determination of Total and Fecal/Thermotolerant coliforms
 2. References:
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 3. Result of examination **specifically** relates to samples as received


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WMAR No: **19-052C**
Date Received: **January 16, 2019**
Date Analyzed: **January 16, 2019**
Date Completed: **January 18, 2019**

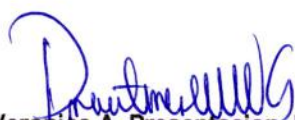
Physical Characteristics: **Sample is clear, with no foreign matter**


Sampling Point	Date and Time of Sampling	Heterotrophic Plate Count (Est. CFU/mL)	Total Coliform	Fecal/Thermotolerant Coliform	Remarks
			(MPN/100mL)		
Tampac 1	January 16, 2019 8:18 AM	<1	<1.1	<1.1	PASSED
PNSDW Limits AO 2017-0010:		<500	<1.1	<1.1	

Est. CFU/mL = Estimated Colony Forming Units per milliliter

MPN/100mL = Most Probable Number per 100 milliliters

- Note:
1. Test method used
 - a. Pour Plate Method for the determination of Heterotrophic Plate Count
 - b. Multiple Tube Fermentation Technique for the determination of Total and Fecal/Thermotolerant coliforms
 2. References:
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Address: **COR. DANZALAN AND FAIGAL ST.,
GUIMBA, NUEVA ECIJA**

WMAR No: **19-017A**
Date Received: **January 08, 2019**
Date Analyzed: **January 08, 2019**
Date Completed: **January 10, 2019**

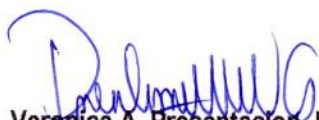
Physical Characteristics: **Sample is clear, with no foreign matter**


Sampling Point	Date and Time of Sampling	Heterotrophic Plate Count (Est. CFU/mL)	Total Coliform	Fecal/Thermotolerant Coliform	Remarks
			(MPN/100mL)		
Saranay District	January 8, 2019 3:55 AM	5	<1.1	<1.1	PASSED
PNSDW Limits AO 2017-0010:		<500	<1.1	<1.1	

Est. CFU/mL = Estimated Colony Forming Units per milliliter

MPN/100mL = Most Probable Number per 100 milliliters

- Note:
1. Test method used
 - a. Pour Plate Method for the determination of Heterotrophic Plate Count
 - b. Multiple Tube Fermentation Technique for the determination of Total and Fecal/Thermotolerant coliforms
 2. References:
 - a. Philippine National Standards for Drinking Water, 2017
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WATER MICROBIOLOGY ANALYSIS REPORT

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Address: **COR. DANZALAN AND FAIGAL ST.,
GUIMBA, NUEVA ECIJA**

WMAR No: **19-017B**
Date Received: **January 08, 2019**
Date Analyzed: **January 08, 2019**
Date Completed: **January 10, 2019**


Physical Characteristics: **Sample is clear, with no foreign matter**


Sampling Point	Date and Time of Sampling	Heterotrophic Plate Count (Est. CFU/mL)	Total Coliform	Fecal/Thermotolerant Coliform	Remarks
			(MPN/100mL)		
Sta. Veronica Pump Station	January 8, 2019 4:01 AM	<1	<1.1	<1.1	PASSED
PNSDW Limits AO 2017-0010:		<500	<1.1	<1.1	

Est. CFU/mL = Estimated Colony Forming Units per milliliter

MPN/100mL = Most Probable Number per 100 milliliters

- Note:
- Test method used
 - Pour Plate Method for the determination of Heterotrophic Plate Count
 - Multiple Tube Fermentation Technique for the determination of Total and Fecal/Thermotolerant coliforms
 - References:
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WMAR No: **19-017C**
Date Received: **January 08, 2019**
Date Analyzed: **January 08, 2019**
Date Completed: **January 10, 2019**

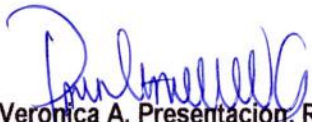
Physical Characteristics: **Sample is clear, with no foreign matter**


Sampling Point	Date and Time of Sampling	Heterotrophic Plate Count (Est. CFU/mL)	Total Coliform	Fecal/Thermotolerant Coliform	Remarks
			(MPN/100mL)		
Guimba Public Market	January 8, 2019 4:14 AM	4	<1.1	<1.1	PASSED
PNSDW Limits AO 2017-0010:		<500	<1.1	<1.1	

Est. CFU/mL = Estimated Colony Forming Units per milliliter

MPN/100mL = Most Probable Number per 100 milliliters

- Note:
- Test method used
 - Pour Plate Method for the determination of Heterotrophic Plate Count
 - Multiple Tube Fermentation Technique for the determination of Total and Fecal/Thermotolerant coliforms
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WMAR No: **19-017E**
Date Received: **January 08, 2019**
Date Analyzed: **January 08, 2019**
Date Completed: **January 10, 2019**


Physical Characteristics: **Sample is clear, with no foreign matter**

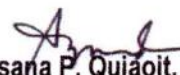
Sampling Point	Date and Time of Sampling	Heterotrophic Plate Count (Est. CFU/mL)	Total Coliform	Fecal/Thermotolerant Coliform	Remarks
			(MPN/100mL)		
Balbalino	January 8, 2019 4:39 AM	77	<1.1	<1.1	PASSED
PNSDW Limits AO 2017-0010:		<500	<1.1	<1.1	

Est. CFU/mL = Estimated Colony Forming Units per milliliter

MPN/100mL = Most Probable Number per 100 milliliters

- Note:
1. Test method used
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 2. References:
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GUIMBA, NUEVA ECIJA

WMAR No: **19-017G**
Date Received: **January 08, 2019**
Date Analyzed: **January 08, 2019**
Date Completed: **January 10, 2019**


Physical Characteristics: **Sample is clear, with no foreign matter**


Sampling Point	Date and Time of Sampling	Heterotrophic Plate Count (Est. CFU/mL)	Total Coliform	Fecal/Thermotolerant Coliform	Remarks
			(MPN/100mL)		
Bacayao Pump Station	January 8, 2019 5:12 AM	5	<1.1	<1.1	PASSED
PNSDW Limits AO 2017-0010:		<500	<1.1	<1.1	

Est. CFU/mL = Estimated Colony Forming Units per milliliter

MPN/100mL = Most Probable Number per 100 milliliters

- Note:
1. Test method used
 - a. Pour Plate Method for the determination of Heterotrophic Plate Count
 - b. Multiple Tube Fermentation Technique for the determination of Total and Fecal/Thermotolerant coliforms
 2. References:
 - a. Philippine National Standards for Drinking Water, 2017
 - b. Standard Methods for the Examination of Water and Wastewater, 22nd Edition, 2012, APHA, AWWA, WEF
 3. Result of examination **specifically** relates to samples as received


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WATER MICROBIOLOGY ANALYSIS REPORT

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Address: **COR. DANZALAN AND FAIGAL ST.,
GUIMBA, NUEVA ECIJA**

WMAR No: **19-017H**
Date Received: **January 08, 2019**
Date Analyzed: **January 08, 2019**
Date Completed: **January 10, 2019**


Physical Characteristics: **Sample is clear, with no foreign matter**

Sampling Point	Date and Time of Sampling	Heterotrophic Plate Count (Est. CFU/mL)	Total Coliform	Fecal/Thermotolerant Coliform	Remarks
			(MPN/100mL)		
Casongsong	January 8, 2019 5:19 AM	6	<1.1	<1.1	PASSED
PNSDW Limits AO 2017-0010:		<500	<1.1	<1.1	

Est. CFU/mL = Estimated Colony Forming Units per milliliter

MPN/100mL = Most Probable Number per 100 milliliters

- Note:
- Test method used
 - Pour Plate Method for the determination of Heterotrophic Plate Count
 - Multiple Tube Fermentation Technique for the determination of Total and Fecal/Thermotolerant coliforms
 - References:
 - Philippine National Standards for Drinking Water, 2017
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Client: **GUIMBA WATER DISTRICT**
Owner/Manager: **Engr. FELIXBERTO C. LEGARDA**
Address: **COR. DANZALAN AND FAIGAL ST.,
GUIMBA, NUEVA ECIJA**

WMAR No: **19-0171**
Date Received: **January 08, 2019**
Date Analyzed: **January 08, 2019**
Date Completed: **January 10, 2019**


Physical Characteristics: **Sample is clear, with no foreign matter**


Sampling Point	Date and Time of Sampling	Heterotrophic Plate Count (Est. CFU/mL)	Total Coliform	Fecal/Thermotolerant Coliform	Remarks
			(MPN/100mL)		
Pacac	January 8, 2019 5:29 AM	6	<1.1	<1.1	PASSED
PNSDW Limits AO 2017-0010:		<500	<1.1	<1.1	

Est. CFU/mL = Estimated Colony Forming Units per milliliter

MPN/100mL = Most Probable Number per 100 milliliters

- Note:
- Test method used
 - Pour Plate Method for the determination of Heterotrophic Plate Count
 - Multiple Tube Fermentation Technique for the determination of Total and Fecal/Thermotolerant coliforms
 - References:
 - Philippine National Standards for Drinking Water, 2017
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Address: **COR. DANZALAN AND FAIGAL ST.,
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WMAR No: **19-017J**
Date Received: **January 08, 2019**
Date Analyzed: **January 08, 2019**
Date Completed: **January 12, 2019**


Physical Characteristics: **Sample is clear, with no foreign matter**


Sampling Point	Date and Time of Sampling	Heterotrophic Plate Count (Est. CFU/mL)	Total Coliform	Fecal/Thermotolerant Coliform	Remarks
			(MPN/100mL)		
San Rafael Pump Station	January 8, 2019 5:46 AM	180	<1.1	<1.1	PASSED
PNSDW Limits AO 2017-0010:		<500	<1.1	<1.1	

Est. CFU/mL = Estimated Colony Forming Units per milliliter

MPN/100mL = Most Probable Number per 100 milliliters

- Note:
1. Test method used
 - a. Pour Plate Method for the determination of Heterotrophic Plate Count
 - b. Multiple Tube Fermentation Technique for the determination of Total and Fecal/Thermotolerant coliforms
 2. References:
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WMAR No: **19-017K**
Date Received: **January 08, 2019**
Date Analyzed: **January 08, 2019**
Date Completed: **January 10, 2019**


Physical Characteristics: **Sample is clear, with no foreign matter**


Sampling Point	Date and Time of Sampling	Heterotrophic Plate Count (Est. CFU/mL)	Total Coliform	Fecal/Thermotolerant Coliform	Remarks
			(MPN/100mL)		
Mangang Marikit	January 8, 2019 5:45 AM	190	<1.1	<1.1	PASSED
PNSDW Limits AO 2017-0010:		<500	<1.1	<1.1	

Est. CFU/mL = Estimated Colony Forming Units per milliliter

MPN/100mL = Most Probable Number per 100 milliliters

- Note:
- Test method used
 - Pour Plate Method for the determination of Heterotrophic Plate Count
 - Multiple Tube Fermentation Technique for the determination of Total and Fecal/Thermotolerant coliforms
 - References:
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WMAR No: **19-017L**
Date Received: **January 08, 2019**
Date Analyzed: **January 08, 2019**
Date Completed: **January 12, 2019**

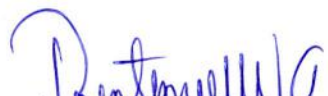
Physical Characteristics: **Sample is clear, with no foreign matter**


Sampling Point	Date and Time of Sampling	Heterotrophic Plate Count (Est. CFU/mL)	Total Coliform	Fecal/Thermotolerant Coliform	Remarks
			(MPN/100mL)		
Pasong Inchik	January 8, 2019 6:08 AM	140	<1.1	<1.1	PASSED
PNSDW Limits AO 2017-0010:		<500	<1.1	<1.1	

Est. CFU/mL = Estimated Colony Forming Units per milliliter

MPN/100mL = Most Probable Number per 100 milliliters

- Note:
1. Test method used
 - a. Pour Plate Method for the determination of Heterotrophic Plate Count
 - b. Multiple Tube Fermentation Technique for the determination of Total and Fecal/Thermotolerant coliforms
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Address: **COR. DANZALAN AND FAIGAL ST.,
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WMAR No: **19-017M**
Date Received: **January 08, 2019**
Date Analyzed: **January 08, 2019**
Date Completed: **January 10, 2019**


Physical Characteristics: **Sample is clear, with no foreign matter**


Sampling Point	Date and Time of Sampling	Heterotrophic Plate Count (Est. CFU/mL)	Total Coliform	Fecal/Thermotolerant Coliform	Remarks
			(MPN/100mL)		
Maturanoc Pump Station	January 8, 2019 6:28 AM	1	<1.1	<1.1	PASSED
PNSDW Limits AO 2017-0010:		<500	<1.1	<1.1	

Est. CFU/mL = Estimated Colony Forming Units per milliliter

MPN/100mL = Most Probable Number per 100 milliliters

- Note:
1. Test method used
 - a. Pour Plate Method for the determination of Heterotrophic Plate Count
 - b. Multiple Tube Fermentation Technique for the determination of Total and Fecal/Thermotolerant coliforms
 2. References:
 - a. Philippine National Standards for Drinking Water, 2017
 - b. Standard Methods for the Examination of Water and Wastewater, 22nd Edition, 2012, APHA, AWWA, WEF
 3. Result of examination **specifically** relates to samples as received


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CABANATUAN CITY WATER DISTRICT WATER TESTING LABORATORY

229 Maharlika Road, Dicarma District, Cabanatuan City, Philippines
Telefax (44) 463-2877, 463-1646 to 47, 940-1216
DOH Accreditation #03-001-18-LW-1

WATER MICROBIOLOGY ANALYSIS REPORT

Client: **GUIMBA WATER DISTRICT**
Owner/Manager: **Engr. FELIXBERTO C. LEGARDA**
Address: **COR. DANZALAN AND FAIGAL ST.,
GUIMBA, NUEVA ECIJA**

WMAR No: **19-017N**
Date Received: **January 08, 2019**
Date Analyzed: **January 08, 2019**
Date Completed: **January 10, 2019**

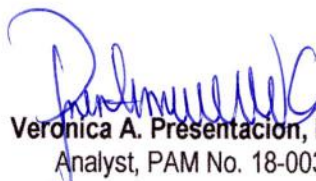
Physical Characteristics: **Sample is clear, with no foreign matter**


Sampling Point	Date and Time of Sampling	Heterotrophic Plate Count (Est. CFU/mL)	Total Coliform	Fecal/Thermotolerant Coliform	Remarks
			(MPN/100mL)		
Consuelo	January 8, 2019 6:34 AM	3	<1.1	<1.1	PASSED
PNSDW Limits AO 2017-0010:		<500	<1.1	<1.1	

Est. CFU/mL = Estimated Colony Forming Units per milliliter

MPN/100mL = Most Probable Number per 100 milliliters

- Note:
- Test method used
 - Pour Plate Method for the determination of Heterotrophic Plate Count
 - Multiple Tube Fermentation Technique for the determination of Total and Fecal/Thermotolerant coliforms
 - References:
 - Philippine National Standards for Drinking Water, 2017
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WATER MICROBIOLOGY ANALYSIS REPORT

Client: **GUIMBA WATER DISTRICT**
Owner/Manager: **Engr. FELIXBERTO C. LEGARDA**
Address: **COR. DANZALAN AND FAIGAL ST.,
GUIMBA, NUEVA ECIJA**

WMAR No: **19-0170**
Date Received: **January 08, 2019**
Date Analyzed: **January 08, 2019**
Date Completed: **January 10, 2019**

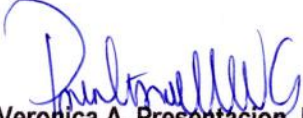
Physical Characteristics: **Sample is clear, with no foreign matter**


Sampling Point	Date and Time of Sampling	Heterotrophic Plate Count (Est. CFU/mL)	Total Coliform	Fecal/Thermotolerant Coliform	Remarks
			(MPN/100mL)		
Bunol	January 8, 2019 6:42 AM	1	<1.1	<1.1	PASSED
PNSDW Limits AO 2017-0010:		<500	<1.1	<1.1	

Est. CFU/mL = Estimated Colony Forming Units per milliliter

MPN/100mL = Most Probable Number per 100 milliliters

- Note:
- Test method used
 - Pour Plate Method for the determination of Heterotrophic Plate Count
 - Multiple Tube Fermentation Technique for the determination of Total and Fecal/Thermotolerant coliforms
 - References:
 - Philippine National Standards for Drinking Water, 2017
 - Standard Methods for the Examination of Water and Wastewater, 22nd Edition, 2012, APHA, AWWA, WEF
 - Result of examination **specifically** relates to samples as received


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WATER MICROBIOLOGY ANALYSIS REPORT

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Owner/Manager: **Engr. FELIXBERTO C. LEGARDA**
Address: **COR. DANZALAN AND FAIGAL ST.,
GUIMBA, NUEVA ECIJA**

WMAR No: **19-017P**
Date Received: **January 08, 2019**
Date Analyzed: **January 08, 2019**
Date Completed: **January 10, 2019**

Physical Characteristics: **Sample is clear, with no foreign matter**

Sampling Point	Date and Time of Sampling	Heterotrophic Plate Count (Est. CFU/mL)	Total Coliform	Fecal/Thermotolerant Coliform	Remarks
			(MPN/100mL)		
Cawayang Bugtong	January 8, 2019 6:58 AM	<1	<1.1	<1.1	PASSED
PNSDW Limits AO 2017-0010:		<500	<1.1	<1.1	

Est. CFU/mL = Estimated Colony Forming Units per milliliter

MPN/100mL = Most Probable Number per 100 milliliters

- Note:
1. Test method used
 - a. Pour Plate Method for the determination of Heterotrophic Plate Count
 - b. Multiple Tube Fermentation Technique for the determination of Total and Fecal/Thermotolerant coliforms
 2. References:
 - a. Philippine National Standards for Drinking Water, 2017
 - b. Standard Methods for the Examination of Water and Wastewater, 22nd Edition, 2012, APHA, AWWA, WEF
 3. Result of examination **specifically** relates to samples as received

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WATER MICROBIOLOGY ANALYSIS REPORT

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Owner/Manager: **Engr. FELIXBERTO C. LEGARDA**
Address: **COR. DANZALAN AND FAIGAL ST.,
GUIMBA, NUEVA ECIJA**

WMAR No: **19-017Q**
Date Received: **January 08, 2019**
Date Analyzed: **January 08, 2019**
Date Completed: **January 10, 2019**


Physical Characteristics: **Sample is clear, with no foreign matter**


Sampling Point	Date and Time of Sampling	Heterotrophic Plate Count (Est. CFU/mL)	Total Coliform	Fecal/Thermotolerant Coliform	Remarks
			(MPN/100mL)		
San Roque Pump Station	January 8, 2019 7:08 AM	390	<1.1	<1.1	PASSED
PNSDW Limits AO 2017-0010:		<500	<1.1	<1.1	

Est. CFU/mL = Estimated Colony Forming Units per milliliter

MPN/100mL = Most Probable Number per 100 milliliters

- Note:
1. Test method used
 - a. Pour Plate Method for the determination of Heterotrophic Plate Count
 - b. Multiple Tube Fermentation Technique for the determination of Total and Fecal/Thermotolerant coliforms
 2. References:
 - a. Philippine National Standards for Drinking Water, 2017
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 3. Result of examination **specifically** relates to samples as received


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Address: **COR. DANZALAN AND FAIGAL ST.,
GUIMBA, NUEVA ECIJA**

WMAR No: **19-017R**
Date Received: **January 08, 2019**
Date Analyzed: **January 08, 2019**
Date Completed: **January 10, 2019**


Physical Characteristics: **Sample is clear, with no foreign matter**

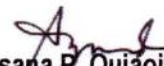
Sampling Point	Date and Time of Sampling	Heterotrophic Plate Count (Est. CFU/mL)	Total Coliform	Fecal/Thermotolerant Coliform	Remarks
			(MPN/100mL)		
Bantug Pump Station	January 8, 2019 7:16 AM	300	<1.1	<1.1	PASSED
PNSDW Limits AO 2017-0010:		<500	<1.1	<1.1	

Est. CFU/mL = Estimated Colony Forming Units per milliliter

MPN/100mL = Most Probable Number per 100 milliliters

- Note:
1. Test method used
 - a. Pour Plate Method for the determination of Heterotrophic Plate Count
 - b. Multiple Tube Fermentation Technique for the determination of Total and Fecal/Thermotolerant coliforms
 2. References:
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WMAR No: **19-017S**
Date Received: **January 08, 2019**
Date Analyzed: **January 08, 2019**
Date Completed: **January 10, 2019**

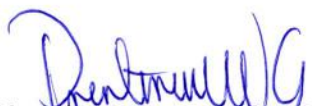
Physical Characteristics: **Sample is clear, with no foreign matter**


Sampling Point	Date and Time of Sampling	Heterotrophic Plate Count (Est. CFU/mL)	Total Coliform	Fecal/Thermotolerant Coliform	Remarks
			(MPN/100mL)		
Banitan	January 8, 2019 7:23 AM	240	<1.1	<1.1	PASSED
PNSDW Limits AO 2017-0010:		<500	<1.1	<1.1	

Est. CFU/mL = Estimated Colony Forming Units per milliliter

MPN/100mL = Most Probable Number per 100 milliliters

- Note:
- Test method used
 - Pour Plate Method for the determination of Heterotrophic Plate Count
 - Multiple Tube Fermentation Technique for the determination of Total and Fecal/Thermotolerant coliforms
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