



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: **19-531P**
Date Received: **August 06, 2019**
Date Analyzed: **August 06, 2019**
Date Completed: **August 08, 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	Thermotolerant Coliform / <i>E. coli</i>	Remarks
			(MPN/100mL)		
San Roque Pump Station	August 6, 2019 6:25 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. Quiñóit, MD, FPSP
Head of the Laboratory, PRC No. 64242

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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: **19-531Q**
Date Received: **August 06, 2019**
Date Analyzed: **August 06, 2019**
Date Completed: **August 08, 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	Thermotolerant Coliform / <i>E. coli</i>	Remarks
			(MPN/100mL)		
Cardinal	August 6, 2019 6:33 AM	210	<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

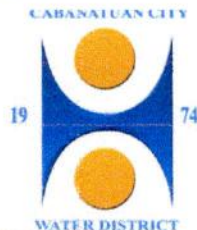
- Note:
- Test method used
 - Pour Plate Method for the determination of Heterotrophic Plate Count
 - Multiple Tube Fermentation Technique for the determination of Total and Fecal/Thermotolerant coliforms
 - References:
 - Philippine National Standards for Drinking Water, 2017
 - Standard Methods for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

WMAR No: **19-531R**
Date Received: **August 06, 2019**
Date Analyzed: **August 06, 2019**
Date Completed: **August 08, 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	Thermotolerant Coliform / <i>E. coli</i>	Remarks
			(MPN/100mL)		
Tampac I	August 6, 2019 6:43 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
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 - Result of examination **specifically** relates to samples as received

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

WMAR No: **19-531M**
Date Received: **August 06, 2019**
Date Analyzed: **August 06, 2019**
Date Completed: **August 08, 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	Thermotolerant Coliform / <i>E. coli</i>	Remarks
			(MPN/100mL)		
Maturanoc Pump Station	August 6, 2019 5:50 AM	2	<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: **19-531N**
Date Received: **August 06, 2019**
Date Analyzed: **August 06, 2019**
Date Completed: **August 08, 2019**


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

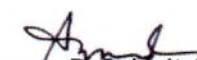
Sampling Point	Date and Time of Sampling	Heterotrophic Plate Count (Est. CFU/mL)	Total Coliform	Thermotolerant Coliform / <i>E. coli</i>	Remarks
			(MPN/100mL)		
Bunol	August 6, 2019 5:57 AM	55	<1.1	<1.1	PASSED
PNSDW Limits AO 2017-0010:		<500	<1.1	<1.1	

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: **19-531L**
Date Received: **August 06, 2019**
Date Analyzed: **August 06, 2019**
Date Completed: **August 08, 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	Thermotolerant Coliform / <i>E. coli</i>	Remarks
			(MPN/100mL)		
Bagong Baryo	August 6, 2019 5:32 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:
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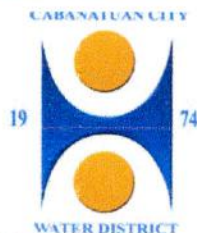
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Analyst, PAM No. 18-00303

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WMAR No: **19-531K**
Date Received: **August 06, 2019**
Date Analyzed: **August 06, 2019**
Date Completed: **August 08, 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	Thermotolerant Coliform / <i>E. coli</i>	Remarks
			(MPN/100mL)		
Mangang Marikit	August 6, 2019 5:25 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
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WMAR No: **19-531J**
Date Received: **August 06, 2019**
Date Analyzed: **August 06, 2019**
Date Completed: **August 08, 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	Thermotolerant Coliform / <i>E. coli</i>	Remarks
			(MPN/100mL)		
San Rafael Pump Station	August 6, 2019 5:15 AM	2	<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.,
GUIMBA, NUEVA ECIJA**

WMAR No: **19-5311**
Date Received: **August 06, 2019**
Date Analyzed: **August 06, 2019**
Date Completed: **August 08, 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	Thermotolerant Coliform / <i>E. coli</i>	Remarks
			(MPN/100mL)		
Pasong Inchik	August 6, 2019 5:05 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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 - b. Standard Methods for the Examination of Water and Wastewater, 22nd Edition, 2012, APHA, AWWA, WEF
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GUIMBA, NUEVA ECIJA

WMAR No: **19-531H**
Date Received: **August 06, 2019**
Date Analyzed: **August 06, 2019**
Date Completed: **August 08, 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	Thermotolerant Coliform / <i>E. coli</i>	Remarks
			(MPN/100mL)		
Casongsong	August 6, 2019 5:00 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
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WMAR No: **19-531G**
Date Received: **August 06, 2019**
Date Analyzed: **August 06, 2019**
Date Completed: **August 08, 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	Thermotolerant Coliform / <i>E. coli</i>	Remarks
			(MPN/100mL)		
Bacayao Pump Station	August 6, 2019 4:54 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

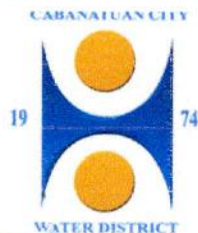
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 - Multiple Tube Fermentation Technique for the determination of Total and Fecal/Thermotolerant coliforms
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WMAR No: **19-531F**
Date Received: **August 06, 2019**
Date Analyzed: **August 06, 2019**
Date Completed: **August 08, 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	Thermotolerant Coliform / <i>E. coli</i>	Remarks
			(MPN/100mL)		
Guiset	August 6, 2019 4:42 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:
1. Test method used
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 - b. Multiple Tube Fermentation Technique for the determination of Total and Fecal/Thermotolerant coliforms
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WMAR No: **19-531E**
Date Received: **August 06, 2019**
Date Analyzed: **August 06, 2019**
Date Completed: **August 08, 2019**


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

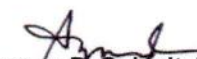
Sampling Point	Date and Time of Sampling	Heterotrophic Plate Count (Est. CFU/mL)	Total Coliform	Thermotolerant Coliform / <i>E. coli</i>	Remarks
			(MPN/100mL)		
Camiing	August 6, 2019 4:36 AM	<1	<1.1	<1.1	PASSED
PNSDW Limits AO 2017-0010:		<500	<1.1	<1.1	

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
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WMAR No: **19-531C**
Date Received: **August 06, 2019**
Date Analyzed: **August 06, 2019**
Date Completed: **August 08, 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	Thermotolerant Coliform / <i>E. coli</i>	Remarks
			(MPN/100mL)		
Saranay	August 6, 2019 4:19 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
 - Standard Methods for the Examination of Water and Wastewater, 22nd Edition, 2012, APHA, AWWA, WEF
 - Result of examination **specifically** relates to samples as received


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


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

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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: **19-531D**
Date Received: **August 06, 2019**
Date Analyzed: **August 06, 2019**
Date Completed: **August 08, 2019**


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

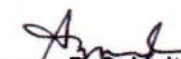
Sampling Point	Date and Time of Sampling	Heterotrophic Plate Count (Est. CFU/mL)	Total Coliform	Thermotolerant Coliform / <i>E. coli</i>	Remarks
			(MPN/100mL)		
San Andres Pump Station	August 6, 2019 4:30 AM	2	<1.1	<1.1	PASSED
PNSDW Limits AO 2017-0010:		<500	<1.1	<1.1	

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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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: **19-531A**
Date Received: **August 06, 2019**
Date Analyzed: **August 06, 2019**
Date Completed: **August 08, 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	Thermotolerant Coliform / <i>E. coli</i>	Remarks
			(MPN/100mL)		
Sta. Veronica Pump Station	August 6, 2019 4:05 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

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

Susana P. Quiñón, 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: **19-531B**
Date Received: **August 06, 2019**
Date Analyzed: **August 06, 2019**
Date Completed: **August 08, 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	Thermotolerant Coliform / <i>E. coli</i>	Remarks
			(MPN/100mL)		
Cavite	August 6, 2019 4:11 AM	8	<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


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


Susana P. Quiñaoit, 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: **19-531T**
Date Received: **August 06, 2019**
Date Analyzed: **August 06, 2019**
Date Completed: **August 08, 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	Thermotolerant Coliform / <i>E. coli</i>	Remarks
			(MPN/100mL)		
Banitan	August 6, 2019 7:10 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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Analyst, PAM No. 18-00303


Susana P. Quiñóit, 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: **19-561A**
Date Received: **August 14, 2019**
Date Analyzed: **August 14, 2019**
Date Completed: **August 16, 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	Thermotolerant Coliform / <i>E. coli</i>	Remarks
			(MPN/100mL)		
Bantug Pump Station	August 14, 2019 6:55 AM	2	<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


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


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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: **19-561B**
Date Received: **August 14, 2019**
Date Analyzed: **August 14, 2019**
Date Completed: **August 16, 2019**

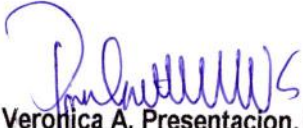
Physical Characteristics: **Sample is clear, with no foreign matter**


Sampling Point	Date and Time of Sampling	Heterotrophic Plate Count (Est. CFU/mL)	Total Coliform	Thermotolerant Coliform / <i>E. coli</i>	Remarks
			(MPN/100mL)		
Triala	August 14, 2019 7:11 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
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