



HYDROLAB COMPANY

DOH Accreditation Number: 13-0002-2224-LW-2

Unit 107-108 & 407 MNRI. Bldg., Mindanao Avenue, Brgy. Talipapa, Quezon City

Landline: (02) 8404 1065 / (02) 7215 9008 / (02) 7959 1634;

(Sun) 0922 893 1450 / 0923 630 8441 / 0925 749 3762 / 0925 6493761;

(Globe) 0917 142 3975; 0917 193 4031 / 0917 104 3685:

Email: hydrolabcompany@gmail.com / laboratory.hydrolab@gmail.com

TEST REPORT FORM - MICROBIOLOGICAL POTABLE WATER

Name of Client :
Name of Company : **PAMANA WATER CORPORATION - GUIMBA**
Company Address : cor. Faigal & Danzalan St. Sta. Veronica, Guimba, Nueva Ecija
Contact Number/s : 0998-9816943 / catacutan_jason@yahoo.com

SAMPLE DESCRIPTION

RFA No. : HC-0199931
Date of Sampling : 14-Jul-2022
Date Received : 14-Jul-2022
Date Released : 21 July 2022
Sample Source and Classification : Deepwell - Treated Water (Bacayao Pump 6)
Time of Sampling : 05:24 PM
Sample Collected by : MMV

Parameter	*Method of Analysis	*Reference Method	**PNSDW Limit	Results	Remarks
Heterotrophic Plate Count	Pour Plate	SMEWW 9215 B HCTM-MCO-PW01	500 CFU / mL	422 CFU/mL	PASSED
Total Coliform	Multiple Tube Fermentation	SMEWW 9221 B HCTM-MCO-PW02	<1.1 MPN / 100 mL***	<1.1 MPN / 100 mL	PASSED
Fecal Coliform	Multiple Tube Fermentation	SMEWW 9221 E HCTM-MCO-PW03	<1.1 MPN / 100 mL***	<1.1 MPN / 100 mL	PASSED

Abbreviations: MPN – Most Probable Number

CFU – Colony Forming Units

References:

*Standard Methods for the Examination of Water and Wastewater, 22nd Edition, APHA, AWWA, WEF Washington DC, 2012

**Philippine National Standards for Drinking Water, Department of Health, Manila, Philippines, 2007 and 2017

***PNSDW standard value for total coliform is applicable to treated waters only.

The Laboratory does not guarantee that the sample/s submitted is/are representative of the whole bulk from where it/they was/were taken.
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###End of Report###

Analyzed by:


CHELSEA KYLE I. BERNARDO
Analyst, Microbiology


Checked by:


KATHLEEN MAE A. COMADOR
Team Leader, Microbiology

Noted by:


SHIELA MARIE R. SERRANO
Technical Manager, Microbiology

Approved by:


JOSEF NIKOLAI C. MONROY, RCh.
Laboratory Manager
PRC No. 0012323
WMLA No. 19-0860

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REPORT OF PHYSICO-CHEMICAL ANALYSIS POTABLE WATER

Name of Client :
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Company Address : cor. Faigal & Danzalan St. Sta. Veronica, Guimba, Nueva Ecija
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Time of Sampling : 05:24 PM
Sample Collected by : MMV

Parameters	Method	*Reference Method	Unit	**PNSDW Maximum Allowable Level	Results	Remarks
PHYSICAL AND AGGREGATE PROPERTIES						
Color (Apparent)	Visual Comparison	SMEWW 2120 B	CU	10	<5	Passed
Turbidity	Nephelometric	SMEWW 2130 B	NTU	5	0.15	Passed
Total Dissolved Solids	Gravimetric	SMEWW 2120 B	mg/L	10 / 600	391	Passed
METALS						
Lead	Electrothermal AAS	SMEWW 3113 B	mg/L	0.01	<0.01	Passed
Arsenic	Electrothermal AAS	SMEWW 3113 B	mg/L	0.01	<0.01	Passed
Cadmium	Electrothermal AAS	SMEWW 3113 B	mg/L	0.003	<0.001	Passed
INORGANIC NONMETALLIC CONSTITUENTS						
pH	Electrometric	SMEWW 4500-H ⁺ B	-	5.0-7.0 / 6.5-8.5	8.0	Passed
Nitrate	Nitrate Electrode	SMEWW 4500-NO ₃ ⁻ C	mg/L	50	4	Passed
Residual Chlorine	DPD Colorimetric	Hach Method 8021	mg/L	0.3 - 1.5	<0.1	-

Abbreviations: AAS - Atomic Absorption Spectrometry NTU - Nephelometric Turbidity Unit CU - Color Unit DPD - N,N-diethyl-p-phenylenediamine

Note: For product water that had undergone reverse osmosis or distillation, the pH range shall be 5.0 – 7.0 and the total dissolved solids (TDS) shall not exceed 10 mg/L to validate the efficiency of the process.

References:

**Philippine National Standards for Drinking Water, Department of Health, Manila, Philippines, 2007 and 2017

*Standard Methods for the Examination of Water and Wastewater, 22nd Edition, APHA, AWWA, WEF Washington DC, 2012

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YVONNE KATE D. CAHIGAS
Analyst, Physico-chemical
Licensed Chemical Technician
PRC No. 0004832

RICHARD G. BACUETES
Analyst, Physico-chemical
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MARY EDEST D. COO
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RACHELLE P. BRILATA
Team Leader, Physico-chemical
Licensed Chemical Technician
PRC No. 0002369

Checked by:

LYNGAGE C. TAN, Jr, RCh
Technical Manager, Physico-chemical
Registered Chemist
PRC No. 0012589

Approved by:

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TEST REPORT FORM - MICROBIOLOGICAL POTABLE WATER

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Contact Number/s : 0998-9816943 / catacutan_jason@yahoo.com

SAMPLE DESCRIPTION

RFA No. : HC-0199931 Sample Source and Classification : Deepwell - Treated Water (Household Marites Tumayo)
Date of Sampling : 14-Jul-2022 Time of Sampling : 05:27 PM
Date Received : 14-Jul-2022 Sample Collected by : MMV
Date Released : 21 July 2022

Parameter	*Method of Analysis	*Reference Method	**PNSDW Limit	Results	Remarks
Heterotrophic Plate Count	Pour Plate	SMEWW 9215 B HCTM-MCO-PW01	500 CFU / mL	445 CFU/mL	PASSED
Total Coliform	Multiple Tube Fermentation	SMEWW 9221 B HCTM-MCO-PW02	<1.1 MPN / 100 mL***	<1.1 MPN / 100 mL	PASSED
Fecal Coliform	Multiple Tube Fermentation	SMEWW 9221 E HCTM-MCO-PW03	<1.1 MPN / 100 mL***	<1.1 MPN / 100 mL	PASSED

Abbreviations: MPN – Most Probable Number

CFU – Colony Forming Units

References:

*Standard Methods for the Examination of Water and Wastewater, 22nd Edition, APHA, AWWA, WEF Washington DC, 2012

**Philippine National Standards for Drinking Water, Department of Health, Manila, Philippines, 2007 and 2017

***PNSDW standard value for total coliform is applicable to treated waters only.


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Analyst, Microbiology

Checked by:


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Team Leader, Microbiology

Noted by:


SHIELA MARIE R. SERRANO
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Contact Number/s : 0998-9816943 / catacutan_jason@yahoo.com

SAMPLE DESCRIPTION

RFA No. : HC-0199931 Sample Source and Classification : Deepwell - Treated Water (Narvacan 1 Pump 10)
Date of Sampling : 14-Jul-2022 Time of Sampling : 05:35 PM
Date Received : 14-Jul-2022 Sample Collected by : MMV
Date Released : 21 July 2022

Parameter	*Method of Analysis	*Reference Method	**PNSDW Limit	Results	Remarks
Heterotrophic Plate Count	Pour Plate	SMEWW 9215 B HCTM-MCO-PW01	500 CFU / mL	230 CFU/mL	PASSED
Total Coliform	Multiple Tube Fermentation	SMEWW 9221 B HCTM-MCO-PW02	<1.1 MPN / 100 mL***	<1.1 MPN / 100 mL	PASSED
Fecal Coliform	Multiple Tube Fermentation	SMEWW 9221 E HCTM-MCO-PW03	<1.1 MPN / 100 mL***	<1.1 MPN / 100 mL	PASSED

Abbreviations: MPN – Most Probable Number

CFU – Colony Forming Units

References:

*Standard Methods for the Examination of Water and Wastewater, 22nd Edition, APHA, AWWA, WEF Washington DC, 2012

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Date of Sampling : 14-Jul-2022

Time of Sampling : 05:35 PM

Date Received : 14-Jul-2022

Sample Collected by : MMV

Date Released : 21 July 2022

Parameters	Method	*Reference Method	Unit	**PNSDW Maximum Allowable Level	Results	Remarks
PHYSICAL AND AGGREGATE PROPERTIES						
Color (Apparent)	Visual Comparison	SMEWW 2120 B	CU	10	<5	Passed
Turbidity	Nephelometric	SMEWW 2130 B	NTU	5	0.10	Passed
Total Dissolved Solids	Gravimetric	SMEWW 2120 B	mg/L	10 / 600	349	Passed
METALS						
Lead	Electrothermal AAS	SMEWW 3113 B	mg/L	0.01	<0.01	Passed
Arsenic	Electrothermal AAS	SMEWW 3113 B	mg/L	0.01	<0.01	Passed
Cadmium	Electrothermal AAS	SMEWW 3113 B	mg/L	0.003	<0.001	Passed
INORGANIC NONMETALLIC CONSTITUENTS						
pH	Electrometric	SMEWW 4500-H* B	-	5.0-7.0 / 6.5-8.5	8.3	Passed
Nitrate	Nitrate Electrode	SMEWW 4500-NO ₃ C	mg/L	50	2	Passed
Residual Chlorine	DPD Colorimetric	Hach Method 8021	mg/L	0.3-1.5	<0.1	-

Abbreviations: AAS - Atomic Absorption Spectrometry NTU - Nephelometric Turbidity Unit CU - Color Unit DPD - N,N-diethyl-p-phenylenediamine

Note: For product water that had undergone reverse osmosis or distillation, the pH range shall be 5.0 – 7.0 and the total dissolved solids (TDS) shall not exceed 10 mg/L to validate the efficiency of the process.

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Contact Number/s : 0998-9816943 / catacutan_jason@yahoo.com

SAMPLE DESCRIPTION

RFA No. : HC-0199931 Sample Source and Classification : Deepwell - Treated Water (Household Cenaida Centro)
Date of Sampling : 14-Jul-2022 Time of Sampling : 05:37 PM
Date Received : 14-Jul-2022 Sample Collected by : MMV
Date Released : 21 July 2022

Parameter	*Method of Analysis	*Reference Method	**PNSDW Limit	Results	Remarks
Heterotrophic Plate Count	Pour Plate	SMEWW 9215 B HCTM-MCO-PW01	500 CFU / mL	395 CFU/mL	PASSED
Total Coliform	Multiple Tube Fermentation	SMEWW 9221 B HCTM-MCO-PW02	<1.1 MPN / 100 mL***	<1.1 MPN / 100 mL	PASSED
Fecal Coliform	Multiple Tube Fermentation	SMEWW 9221 E HCTM-MCO-PW03	<1.1 MPN / 100 mL***	<1.1 MPN / 100 mL	PASSED

Abbreviations: MPN – Most Probable Number

CFU – Colony Forming Units

References:

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SAMPLE DESCRIPTION

RFA No. : HC-0199931
Date of Sampling : 14-Jul-2022
Date Received : 14-Jul-2022
Date Released : 21 July 2022
Sample Source and Classification : Deepwell - Treated Water (San Rafael Pump 7)
Time of Sampling : 05:47 PM
Sample Collected by : MMV

Parameter	*Method of Analysis	*Reference Method	**PNSDW Limit	Results	Remarks
Heterotrophic Plate Count	Pour Plate	SMEWW 9215 B HCTM-MCO-PW01	500 CFU / mL	244 CFU/mL	PASSED
Total Coliform	Multiple Tube Fermentation	SMEWW 9221 B HCTM-MCO-PW02	<1.1 MPN / 100 mL***	<1.1 MPN / 100 mL	PASSED
Fecal Coliform	Multiple Tube Fermentation	SMEWW 9221 E HCTM-MCO-PW03	<1.1 MPN / 100 mL***	<1.1 MPN / 100 mL	PASSED

Abbreviations: MPN – Most Probable Number

CFU – Colony Forming Units

References:

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SAMPLE DESCRIPTION

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Date of Sampling : 14-Jul-2022 Time of Sampling : 05:47 PM
Date Received : 14-Jul-2022 Sample Collected by : MMV
Date Released : 21 July 2022

Parameters	Method	*Reference Method	Unit	**PNSDW Maximum Allowable Level	Results	Remarks
PHYSICAL AND AGGREGATE PROPERTIES						
Color (Apparent)	Visual Comparison	SMEWW 2120 B	CU	10	<5	Passed
Turbidity	Nephelometric	SMEWW 2130 B	NTU	5	0.15	Passed
Total Dissolved Solids	Gravimetric	SMEWW 2120 B	mg/L	10 / 600	441	Passed
METALS						
Lead	Electrothermal AAS	SMEWW 3113 B	mg/L	0.01	<0.01	Passed
Arsenic	Electrothermal AAS	SMEWW 3113 B	mg/L	0.01	<0.01	Passed
Cadmium	Electrothermal AAS	SMEWW 3113 B	mg/L	0.003	<0.001	Passed
INORGANIC NONMETALLIC CONSTITUENTS						
pH	Electrometric	SMEWW 4500-H ⁺ B	-	5.0-7.0 / 6.5-8.5	8.1	Passed
Nitrate	Nitrate Electrode	SMEWW 4500-NO ₃ ⁻ C	mg/L	50	2	Passed
Residual Chlorine	DPD Colorimetric	Hach Method 8021	mg/L	0.3-1.5	<0.1	-

Abbreviations: AAS - Atomic Absorption Spectrometry NTU - Nephelometric Turbidity Unit CU - Color Unit DPD - N,N-diethyl-p-phenylenediamine

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Nestor Borja)

Date of Sampling : 14-Jul-2022
Date Received : 14-Jul-2022
Date Released : 21 July 2022

Time of Sampling : 05:50 PM
Sample Collected by : MMV

Parameter	*Method of Analysis	*Reference Method	**PNSDW Limit	Results	Remarks
Heterotrophic Plate Count	Pour Plate	SMEWW 9215 B HCTM-MCO-PW01	500 CFU / mL	313 CFU/mL	PASSED
Total Coliform	Multiple Tube Fermentation	SMEWW 9221 B HCTM-MCO-PW02	<1.1 MPN / 100 mL***	<1.1 MPN / 100 mL	PASSED
Fecal Coliform	Multiple Tube Fermentation	SMEWW 9221 E HCTM-MCO-PW03	<1.1 MPN / 100 mL***	<1.1 MPN / 100 mL	PASSED

Abbreviations: MPN – Most Probable Number

CFU – Colony Forming Units

References:

*Standard Methods for the Examination of Water and Wastewater, 22nd Edition, APHA, AWWA, WEF Washington DC, 2012

**Philippine National Standards for Drinking Water, Department of Health, Manila, Philippines, 2007 and 2017

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###End of Report###

Analyzed by:


CHELSEA GAYLE I. BERNARDO
Analyst, Microbiology

Checked by:


KATHLEEN MAE A. COMADOR
Team Leader, Microbiology

Noted by:


SHIELA MARIE R. SERRANO
Technical Manager, Microbiology

Approved by:


JOSEF NIKOLAI C. MONROY, RCh.
Laboratory Manager
PRC No. 0012323
WMLA No. 19-0860

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(Sun) 0922 893 1450 / 0923 630 8441 / 0925 749 3762 / 0925 6493761;

(Globe) 0917 142 3975; 0917 193 4031 / 0917 104 3685:

Email: hydrolabcompany@gmail.com / laboratory.hydrolab@gmail.com

TEST REPORT FORM - MICROBIOLOGICAL POTABLE WATER

Name of Client :
Name of Company : **PAMANA WATER CORPORATION - GUIMBA**
Company Address : cor. Faigal & Danzalan St. Sta. Veronica, Guimba, Nueva Ecija
Contact Number/s : 0998-9816943 / catacutan_jason@yahoo.com

SAMPLE DESCRIPTION

RFA No. : HC-0199931 Sample Source and Classification : Deepwell - Treated Water (Household
Manuel Ambalina)
Date of Sampling : 14-Jul-2022 Time of Sampling : 04:26 PM
Date Received : 14-Jul-2022 Sample Collected by : MMV
Date Released : 21 July 2022

Parameter	*Method of Analysis	*Reference Method	**PNSDW Limit	Results	Remarks
Heterotrophic Plate Count	Pour Plate	SMEWW 9215 B HCTM-MCO-PW01	500 CFU / mL	428 CFU/mL	PASSED
Total Coliform	Multiple Tube Fermentation	SMEWW 9221 B HCTM-MCO-PW02	<1.1 MPN / 100 mL***	<1.1 MPN / 100 mL	PASSED
Fecal Coliform	Multiple Tube Fermentation	SMEWW 9221 E HCTM-MCO-PW03	<1.1 MPN / 100 mL***	<1.1 MPN / 100 mL	PASSED

Abbreviations: MPN – Most Probable Number

CFU – Colony Forming Units

References:

*Standard Methods for the Examination of Water and Wastewater, 22nd Edition, APHA, AWWA, WEF Washington DC, 2012

**Philippine National Standards for Drinking Water, Department of Health, Manila, Philippines, 2007 and 2017

***PNSDW standard value for total coliform is applicable to treated waters only.


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TEST REPORT FORM - MICROBIOLOGICAL POTABLE WATER

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Contact Number/s : 0998-9816943 / catacutan_jason@yahoo.com

SAMPLE DESCRIPTION

RFA No. : HC-0199931
Date of Sampling : 14-Jul-2022
Date Received : 14-Jul-2022
Date Released : 21 July 2022

Sample Source and Classification : Deepwell - Treated Water (San Roque Pump 2)
Time of Sampling : 04:37 PM
Sample Collected by : MMV

Parameter	*Method of Analysis	*Reference Method	**PNSDW Limit	Results	Remarks
Heterotrophic Plate Count	Pour Plate	SMEWW 9215 B HCTM-MCO-PW01	500 CFU / mL	433 CFU/mL	PASSED
Total Coliform	Multiple Tube Fermentation	SMEWW 9221 B HCTM-MCO-PW02	<1.1 MPN / 100 mL***	<1.1 MPN / 100 mL	PASSED
Fecal Coliform	Multiple Tube Fermentation	SMEWW 9221 E HCTM-MCO-PW03	<1.1 MPN / 100 mL***	<1.1 MPN / 100 mL	PASSED

Abbreviations: MPN – Most Probable Number

CFU – Colony Forming Units

References:

*Standard Methods for the Examination of Water and Wastewater, 22nd Edition, APHA, AWWA, WEF Washington DC, 2012

**Philippine National Standards for Drinking Water, Department of Health, Manila, Philippines, 2007 and 2017

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REPORT OF PHYSICO-CHEMICAL ANALYSIS POTABLE WATER

Name of Client :
Name of Company : **PAMANA WATER CORPORATION - GUIMBA**
Company Address : cor. Faigal & Danzalan St. Sta. Veronica, Guimba, Nueva Ecija
Contact Number/s : 0998-9816943 / catacutan_jason@yahoo.com

SAMPLE DESCRIPTION

RFA No. : HC-0199931
Date of Sampling : 14-Jul-2022
Date Received : 14-Jul-2022
Date Released : 21 July 2022

Sample Source and Classification : Deepwell - Treated Water (San Roque Pump 2)
Time of Sampling : 04:37 PM
Sample Collected by : MMV

Parameters	Method	*Reference Method	Unit	**PNSDW Maximum Allowable Level	Results	Remarks
PHYSICAL AND AGGREGATE PROPERTIES						
Color (Apparent)	Visual Comparison	SMEWW 2120 B	CU	10	<5	Passed
Turbidity	Nephelometric	SMEWW 2130 B	NTU	5	0.15	Passed
Total Dissolved Solids	Gravimetric	SMEWW 2120 B	mg/L	10 / 600	362	Passed
METALS						
Lead	Electrothermal AAS	SMEWW 3113 B	mg/L	0.01	<0.01	Passed
Arsenic	Electrothermal AAS	SMEWW 3113 B	mg/L	0.01	<0.01	Passed
Cadmium	Electrothermal AAS	SMEWW 3113 B	mg/L	0.003	<0.001	Passed
INORGANIC NONMETALLIC CONSTITUENTS						
pH	Electrometric	SMEWW 4500-H* B	-	5.0-7.0 / 6.5-8.5	8.2	Passed
Nitrate	Nitrate Electrode	SMEWW 4500-NO ₃ -C	mg/L	50	2	Passed
Residual Chlorine	DPD Colorimetric	Hach Method 8021	mg/L	0.3-1.5	<0.1	-

Abbreviations: AAS - Atomic Absorption Spectrometry NTU - Nephelometric Turbidity Unit CU - Color Unit DPD - N,N-diethyl-p-phenylenediamine

Note: For product water that had undergone reverse osmosis or distillation, the pH range shall be 5.0 – 7.0 and the total dissolved solids (TDS) shall not exceed 10 mg/L to validate the efficiency of the process.

References:

**Philippine National Standards for Drinking Water, Department of Health, Manila, Philippines, 2007 and 2017

*Standard Methods for the Examination of Water and Wastewater, 22nd Edition, APHA, AWWA, WEF Washington DC, 2012

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Analyst, Physico-chemical
Licensed Chemical Technician
PRC No. 0004832

RICHARD G. BACUETES
Analyst, Physico-chemical
Licensed Chemical Technician
PRC No. 0002254

MARY EDEST D. COO
Analyst, Physico-chemical
Licensed Chemical Technician
PRC No. 0001563

RACHELLE P. BRILATA
Team Leader, Physico-chemical
Licensed Chemical Technician
PRC No. 0002369

Checked by:

LYNGAGE C. TAN, Jr, RCh
Technical Manager, Physico-chemical
Registered Chemist
PRC No. 0012589

Approved by:

JOSEF NIKOLAI C. MONROY, RCh
Laboratory Manager
Registered Chemist
PRC No. 0012323



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REPORT OF PHYSICO-CHEMICAL ANALYSIS POTABLE WATER

Name of Client :
Name of Company : **PAMANA WATER CORPORATION - GUIMBA**
Company Address : cor. Faigal & Danzalan St. Sta. Veronica, Guimba, Nueva Ecija
Contact Number/s : 0998-9816943 / catacutan_jason@yahoo.com

SAMPLE DESCRIPTION

RFA No. : HC-0199931
Date of Sampling : 14-Jul-2022
Date Received : 14-Jul-2022
Date Released : 21 July 2022
Sample Source and Classification : Deepwell - Treated Water (Maturanoc Pump 4)
Time of Sampling : 04:23 PM
Sample Collected by : MMV

Parameters	Method	*Reference Method	Unit	**PNSDW Maximum Allowable Level	Results	Remarks
PHYSICAL AND AGGREGATE PROPERTIES						
Color (Apparent)	Visual Comparison	SMEWW 2120 B	CU	10	<5	Passed
Turbidity	Nephelometric	SMEWW 2130 B	NTU	5	0.15	Passed
Total Dissolved Solids	Gravimetric	SMEWW 2120 B	mg/L	10 / 600	332	Passed
METALS						
Lead	Electrothermal AAS	SMEWW 3113 B	mg/L	0.01	<0.01	Passed
Arsenic	Electrothermal AAS	SMEWW 3113 B	mg/L	0.01	<0.01	Passed
Cadmium	Electrothermal AAS	SMEWW 3113 B	mg/L	0.003	<0.001	Passed
INORGANIC NONMETALLIC CONSTITUENTS						
pH	Electrometric	SMEWW 4500-H* B	-	5.0-7.0 / 6.5-8.5	8.0	Passed
Nitrate	Nitrate Electrode	SMEWW 4500-NO ₃ ⁻ C	mg/L	50	4	Passed
Residual Chlorine	DPD Colorimetric	Hach Method 8021	mg/L	0.3-1.5	<0.1	-

Abbreviations: AAS - Atomic Absorption Spectrometry NTU - Nephelometric Turbidity Unit CU - Color Unit DPD - N,N-diethyl-p-phenylenediamine

Note: For product water that had undergone reverse osmosis or distillation, the pH range shall be 5.0 – 7.0 and the total dissolved solids (TDS) shall not exceed 10 mg/L to validate the efficiency of the process.

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TEST REPORT FORM - MICROBIOLOGICAL POTABLE WATER

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Company Address : cor. Faigal & Danzalan St. Sta. Veronica, Guimba, Nueva Ecija
Contact Number/s : 0998-9816943 / catacutan_jason@yahoo.com

SAMPLE DESCRIPTION

RFA No. : HC-0199931
Date of Sampling : 14-Jul-2022
Date Received : 14-Jul-2022
Date Released : 21 July 2022

Sample Source and Classification : Deepwell - Treated Water (San Andres Pump 5)
Time of Sampling : 03:57 PM
Sample Collected by : MMV

Parameter	*Method of Analysis	*Reference Method	**PNSDW Limit	Results	Remarks
Heterotrophic Plate Count	Pour Plate	SMEWW 9215 B HCTM-MCO-PW01	500 CFU / mL	437 CFU/mL	PASSED
Total Coliform	Multiple Tube Fermentation	SMEWW 9221 B HCTM-MCO-PW02	<1.1 MPN / 100 mL***	<1.1 MPN / 100 mL	PASSED
Fecal Coliform	Multiple Tube Fermentation	SMEWW 9221 E HCTM-MCO-PW03	<1.1 MPN / 100 mL***	<1.1 MPN / 100 mL	PASSED

Abbreviations: MPN – Most Probable Number

CFU – Colony Forming Units

References:

*Standard Methods for the Examination of Water and Wastewater, 22nd Edition, APHA, AWWA, WEF Washington DC, 2012


**Philippine National Standards for Drinking Water, Department of Health, Manila, Philippines, 2007 and 2017

***PNSDW standard value for total coliform is applicable to treated waters only.


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Analyzed by:


CHELSEA GAYLE I. BERNARDO
Analyst, Microbiology

Checked by:


KATHLEEN MAE A. COMADOR
Team Leader, Microbiology

Noted by:


SHIELA MARIE R. SERRANO
Technical Manager, Microbiology

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REPORT OF PHYSICO-CHEMICAL ANALYSIS POTABLE WATER

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Contact Number/s : 0998-9816943 / catacutan_jason@yahoo.com

SAMPLE DESCRIPTION

RFA No. : HC-0199931 Sample Source and Classification : Deepwell - Treated Water (San Andres Pump 5)
Date of Sampling : 14-Jul-2022 Time of Sampling : 03:57 PM
Date Received : 14-Jul-2022 Sample Collected by : MMV
Date Released : 21 July 2022

Parameters	Method	*Reference Method	Unit	**PNSDW Maximum Allowable Level	Results	Remarks
PHYSICAL AND AGGREGATE PROPERTIES						
Color (Apparent)	Visual Comparison	SMEWW 2120 B	CU	10	<5	Passed
Turbidity	Nephelometric	SMEWW 2130 B	NTU	5	0.15	Passed
Total Dissolved Solids	Gravimetric	SMEWW 2120 B	mg/L	10 / 600	387	Passed
METALS						
Lead	Electrothermal AAS	SMEWW 3113 B	mg/L	0.01	<0.01	Passed
Arsenic	Electrothermal AAS	SMEWW 3113 B	mg/L	0.01	<0.01	Passed
Cadmium	Electrothermal AAS	SMEWW 3113 B	mg/L	0.003	<0.001	Passed
INORGANIC NONMETALLIC CONSTITUENTS						
pH	Electrometric	SMEWW 4500-H ⁺ B	-	5.0-7.0 / 6.5-8.5	8.2	Passed
Nitrate	Nitrate Electrode	SMEWW 4500-NO ₃ ⁻ C	mg/L	50	2	Passed
Residual Chlorine	DPD Colorimetric	Hach Method 8021	mg/L	0.3 - 1.5	<0.1	-

Abbreviations: AAS - Atomic Absorption Spectrometry NTU - Nephelometric Turbidity Unit CU - Color Unit DPD - N,N-diethyl-p-phenylenediamine

Note: For product water that had undergone reverse osmosis or distillation, the pH range shall be 5.0 – 7.0 and the total dissolved solids (TDS) shall not exceed 10 mg/L to validate the efficiency of the process.

References:

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TEST REPORT FORM - MICROBIOLOGICAL POTABLE WATER

Name of Client :
Name of Company : **PAMANA WATER CORPORATION - GUIMBA**
Company Address : cor. Faigal & Danzalan St. Sta. Veronica, Guimba, Nueva Ecija
Contact Number/s : 0998-9816943 / catacutan_jason@yahoo.com

SAMPLE DESCRIPTION

RFA No. : HC-0199931

Sample Source and Classification : Deepwell - Treated Water (Household
Venus Fetenes)

Date of Sampling : 14-Jul-2022

Time of Sampling : 04:01 PM

Date Received : 14-Jul-2022

Sample Collected by : MMV

Date Released : 21 July 2022

Parameter	*Method of Analysis	*Reference Method	**PNSDW Limit	Results	Remarks
Heterotrophic Plate Count	Pour Plate	SMEWW 9215 B HCTM-MCO-PW01	500 CFU / mL	411 CFU/mL	PASSED
Total Coliform	Multiple Tube Fermentation	SMEWW 9221 B HCTM-MCO-PW02	<1.1 MPN / 100 mL***	<1.1 MPN / 100 mL	PASSED
Fecal Coliform	Multiple Tube Fermentation	SMEWW 9221 E HCTM-MCO-PW03	<1.1 MPN / 100 mL***	<1.1 MPN / 100 mL	PASSED

Abbreviations: MPN – Most Probable Number

CFU – Colony Forming Units

References:

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SAMPLE DESCRIPTION

RFA No. : HC-0199931
Date of Sampling : 14-Jul-2022
Date Received : 14-Jul-2022
Date Released : 21 July 2022

Sample Source and Classification : Deepwell - Treated Water (Maturanoc Pump 4)
Time of Sampling : 04:23 PM
Sample Collected by : MMV

Parameter	*Method of Analysis	*Reference Method	**PNSDW Limit	Results	Remarks
Heterotrophic Plate Count	Pour Plate	SMEWW 9215 B HCTM-MCO-PW01	500 CFU / mL	414 CFU/mL	PASSED
Total Coliform	Multiple Tube Fermentation	SMEWW 9221 B HCTM-MCO-PW02	<1.1 MPN / 100 mL***	<1.1 MPN / 100 mL	PASSED
Fecal Coliform	Multiple Tube Fermentation	SMEWW 9221 E HCTM-MCO-PW03	<1.1 MPN / 100 mL***	<1.1 MPN / 100 mL	PASSED

Abbreviations: MPN – Most Probable Number

CFU – Colony Forming Units

References:

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(Globe) 0917 142 3975; 0917 193 4031 / 0917 104 3685:

Email: hydrolabcompany@gmail.com / laboratory.hydrolab@gmail.com

TEST REPORT FORM - MICROBIOLOGICAL POTABLE WATER

Name of Client :
Name of Company : **PAMANA WATER CORPORATION - GUIMBA**
Company Address : cor. Faigal & Danzalan St. Sta. Veronica, Guimba, Nueva Ecija
Contact Number/s : 0998-9816943 / catacutan_jason@yahoo.com

SAMPLE DESCRIPTION

RFA No. : HC-0199931

Sample Source and Classification : Deepwell - Treated Water (Household
Edgardo Bautista)

Date of Sampling : 14-Jul-2022

Time of Sampling : 03:49 PM

Date Received : 14-Jul-2022

Sample Collected by : MMV

Date Released : 21 July 2022

Parameter	*Method of Analysis	*Reference Method	**PNSDW Limit	Results	Remarks
Heterotrophic Plate Count	Pour Plate	SMEWW 9215 B HCTM-MCO-PW01	500 CFU / mL	429 CFU/mL	PASSED
Total Coliform	Multiple Tube Fermentation	SMEWW 9221 B HCTM-MCO-PW02	<1.1 MPN / 100 mL***	<1.1 MPN / 100 mL	PASSED
Fecal Coliform	Multiple Tube Fermentation	SMEWW 9221 E HCTM-MCO-PW03	<1.1 MPN / 100 mL***	<1.1 MPN / 100 mL	PASSED

Abbreviations: MPN – Most Probable Number

CFU – Colony Forming Units

References:

*Standard Methods for the Examination of Water and Wastewater, 22nd Edition, APHA, AWWA, WEF Washington DC, 2012

**Philippine National Standards for Drinking Water, Department of Health, Manila, Philippines, 2007 and 2017

***PNSDW standard value for total coliform is applicable to treated waters only.


The Laboratory does not guarantee that the sample/s submitted is/are representative of the whole bulk from where it/they was/were taken.
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###End of Report###

Analyzed by:


CHELSEA KYLE I. BERNARDO
Analyst, Microbiology


Checked by:


KATHLEEN MAE A. COMADOR
Team Leader, Microbiology

Noted by:


SHIELA MARIE R. SERRANO
Technical Manager, Microbiology

Approved by:


JOSEF NIKOLAI C. MONROY, RCh.
Laboratory Manager
PRC No. 0012323
WMLA No. 19-0860

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TEST REPORT FORM - MICROBIOLOGICAL POTABLE WATER

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Company Address : cor. Faigal & Danzalan St. Sta. Veronica, Guimba, Nueva Ecija
Contact Number/s : 0998-9816943 / catacutan_jason@yahoo.com

SAMPLE DESCRIPTION

RFA No. : HC-0199931
Date of Sampling : 14-Jul-2022
Date Received : 14-Jul-2022
Date Released : 21 July 2022
Sample Source and Classification : Deepwell - Treated Water (Sta. Veronica Pump)
Time of Sampling : 03:35 PM
Sample Collected by : MMV

Parameter	*Method of Analysis	*Reference Method	**PNSDW Limit	Results	Remarks
Heterotrophic Plate Count	Pour Plate	SMEWW 9215 B HCTM-MCO-PW01	500 CFU / mL	412 CFU/mL	PASSED
Total Coliform	Multiple Tube Fermentation	SMEWW 9221 B HCTM-MCO-PW02	<1.1 MPN / 100 mL***	<1.1 MPN / 100 mL	PASSED
Fecal Coliform	Multiple Tube Fermentation	SMEWW 9221 E HCTM-MCO-PW03	<1.1 MPN / 100 mL***	<1.1 MPN / 100 mL	PASSED

Abbreviations: MPN – Most Probable Number

CFU – Colony Forming Units

References:

*Standard Methods for the Examination of Water and Wastewater, 22nd Edition, APHA, AWWA, WEF Washington DC, 2012

**Philippine National Standards for Drinking Water, Department of Health, Manila, Philippines, 2007 and 2017

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Analyst, Microbiology


Checked by:


KATHLEEN MAE A. COMADOR
Team Leader, Microbiology

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Technical Manager, Microbiology

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JOSEF NIKOLAI C. MONROY, RCh.
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REPORT OF PHYSICO-CHEMICAL ANALYSIS POTABLE WATER

Name of Client :
Name of Company : **PAMANA WATER CORPORATION - GUIMBA**
Company Address : cor. Faigal & Danzalan St. Sta. Veronica, Guimba, Nueva Ecija
Contact Number/s : 0998-9816943 / catacutan_jason@yahoo.com

SAMPLE DESCRIPTION

RFA No. : HC-0199931
Date of Sampling : 14-Jul-2022
Date Received : 14-Jul-2022
Date Released : 21 July 2022
Sample Source and Classification : Deepwell - Treated Water (Sta. Veronica Pump)
Time of Sampling : 03:35 PM
Sample Collected by : MMV

Parameters	Method	*Reference Method	Unit	**PNSDW Maximum Allowable Level	Results	Remarks
PHYSICAL AND AGGREGATE PROPERTIES						
Color (Apparent)	Visual Comparison	SMEWW 2120 B	CU	10	<5	Passed
Turbidity	Nephelometric	SMEWW 2130 B	NTU	5	0.15	Passed
Total Dissolved Solids	Gravimetric	SMEWW 2120 B	mg/L	10 / 600	400	Passed
METALS						
Lead	Electrothermal AAS	SMEWW 3113 B	mg/L	0.01	<0.01	Passed
Arsenic	Electrothermal AAS	SMEWW 3113 B	mg/L	0.01	<0.01	Passed
Cadmium	Electrothermal AAS	SMEWW 3113 B	mg/L	0.003	<0.001	Passed
INORGANIC NONMETALLIC CONSTITUENTS						
pH	Electrometric	SMEWW 4500-H* B	-	5.0-7.0 / 6.5-8.5	7.7	Passed
Nitrate	Nitrate Electrode	SMEWW 4500-NO ₃ ⁻ C	mg/L	50	3	Passed
Residual Chlorine	DPD Colorimetric	Hach Method 8021	mg/L	0.3 -1.5	<0.1	-

Abbreviations: AAS - Atomic Absorption Spectrometry NTU - Nephelometric Turbidity Unit CU - Color Unit DPD - N,N-diethyl-p-phenylenediamine

Note: For product water that had undergone reverse osmosis or distillation, the pH range shall be 5.0 – 7.0 and the total dissolved solids (TDS) shall not exceed 10 mg/L to validate the efficiency of the process.

References:

**Philippine National Standards for Drinking Water, Department of Health, Manila, Philippines, 2007 and 2017

*Standard Methods for the Examination of Water and Wastewater, 22nd Edition, APHA, AWWA, WEF Washington DC, 2012

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###End of Report###

Analyzed by:

YVONNE KATE D. CAHIGAS
Analyst, Physico-chemical
Licensed Chemical Technician
PRC No. 0004832

RICHARD G. BACUETES
Analyst, Physico-chemical
Licensed Chemical Technician
PRC No. 0002254

MARY EDEST D. COO
Analyst, Physico-chemical
Licensed Chemical Technician
PRC No. 0001563

RACHELLE P. BRILATA
Team Leader, Physico-chemical
Licensed Chemical Technician
PRC No. 0002369

Checked by:

LYNGAGE C. TAN, Jr, RCh
Technical Manager, Physico-chemical
Registered Chemist
PRC No. 0012589

Approved by:

JOSEF NIKOLAI C. MONROY, RCh
Laboratory Manager
Registered Chemist
PRC No. 0012323



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TEST REPORT FORM - MICROBIOLOGICAL POTABLE WATER

Name of Client :
Name of Company : **PAMANA WATER CORPORATION - GUIMBA**
Company Address : cor. Faigal & Danzalan St. Sta. Veronica, Guimba, Nueva Ecija
Contact Number/s : 0998-9816943 / catacutan_jason@yahoo.com

SAMPLE DESCRIPTION

RFA No. : HC-0199931
Date of Sampling : 14-Jul-2022
Date Received : 14-Jul-2022
Date Released : 21 July 2022

Sample Source and Classification : Deepwell - Treated Water (Household Fe Cuycu)
Time of Sampling : 03:37 PM
Sample Collected by : MMV

Parameter	*Method of Analysis	*Reference Method	**PNSDW Limit	Results	Remarks
Heterotrophic Plate Count	Pour Plate	SMEWW 9215 B HCTM-MCO-PW01	500 CFU / mL	434 CFU/mL	PASSED
Total Coliform	Multiple Tube Fermentation	SMEWW 9221 B HCTM-MCO-PW02	<1.1 MPN / 100 mL***	<1.1 MPN / 100 mL	PASSED
Fecal Coliform	Multiple Tube Fermentation	SMEWW 9221 E HCTM-MCO-PW03	<1.1 MPN / 100 mL***	<1.1 MPN / 100 mL	PASSED

Abbreviations: MPN – Most Probable Number

CFU – Colony Forming Units

References:

*Standard Methods for the Examination of Water and Wastewater, 22nd Edition, APHA, AWWA, WEF Washington DC, 2012

**Philippine National Standards for Drinking Water, Department of Health, Manila, Philippines, 2007 and 2017

***PNSDW standard value for total coliform is applicable to treated waters only.


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###End of Report###

Analyzed by:


CHELSEA GAYLE I. BERNARDO
Analyst, Microbiology


Checked by:


KATHLEEN MAE A. COMADOR
Team Leader, Microbiology

Noted by:


SHIELA MARIE R. SERRANO
Technical Manager, Microbiology

Approved by:


JOSEF NIKOLAI C. MONROY, RCh.
Laboratory Manager
PRC No. 0012323
WMLA No. 19-0860

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TEST REPORT FORM - MICROBIOLOGICAL POTABLE WATER

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Contact Number/s : 0998-9816943 / catacutan_jason@yahoo.com

SAMPLE DESCRIPTION

RFA No. : HC-0199931

Sample Source and Classification : Deepwell - Treated Water (Rufina Homes V Pump 9)

Date of Sampling : 14-Jul-2022

Time of Sampling : 03:46 PM

Date Received : 14-Jul-2022

Sample Collected by : MMV

Date Released : 21 July 2022

Parameter	*Method of Analysis	*Reference Method	**PNSDW Limit	Results	Remarks
Heterotrophic Plate Count	Pour Plate	SMEWW 9215 B HCTM-MCO-PW01	500 CFU / mL	402 CFU/mL	PASSED
Total Coliform	Multiple Tube Fermentation	SMEWW 9221 B HCTM-MCO-PW02	<1.1 MPN / 100 mL***	<1.1 MPN / 100 mL	PASSED
Fecal Coliform	Multiple Tube Fermentation	SMEWW 9221 E HCTM-MCO-PW03	<1.1 MPN / 100 mL***	<1.1 MPN / 100 mL	PASSED

Abbreviations: MPN – Most Probable Number

CFU – Colony Forming Units

References:

*Standard Methods for the Examination of Water and Wastewater, 22nd Edition, APHA, AWWA, WEF Washington DC, 2012

**Philippine National Standards for Drinking Water, Department of Health, Manila, Philippines, 2007 and 2017

***PNSDW standard value for total coliform is applicable to treated waters only.

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Technical Manager, Microbiology

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REPORT OF PHYSICO-CHEMICAL ANALYSIS POTABLE WATER

Name of Client :
Name of Company : **PAMANA WATER CORPORATION - GUIMBA**
Company Address : cor. Faigal & Danzalan St. Sta. Veronica, Guimba, Nueva Ecija
Contact Number/s : 0998-9816943 / catacutan_jason@yahoo.com

SAMPLE DESCRIPTION

RFA No. : HC-0199931

Sample Source and Classification : Deepwell - Treated Water (Rufina Homes V Pump 9)

Date of Sampling : 14-Jul-2022

Time of Sampling : 03:46 PM

Date Received : 14-Jul-2022

Sample Collected by : MMV

Date Released : 21 July 2022

Parameters	Method	*Reference Method	Unit	**PNSDW Maximum Allowable Level	Results	Remarks
PHYSICAL AND AGGREGATE PROPERTIES						
Color (Apparent)	Visual Comparison	SMEWW 2120 B	CU	10	<5	Passed
Turbidity	Nephelometric	SMEWW 2130 B	NTU	5	0.25	Passed
Total Dissolved Solids	Gravimetric	SMEWW 2120 B	mg/L	10 / 600	360	Passed
METALS						
Lead	Electrothermal AAS	SMEWW 3113 B	mg/L	0.01	<0.01	Passed
Arsenic	Electrothermal AAS	SMEWW 3113 B	mg/L	0.01	<0.01	Passed
Cadmium	Electrothermal AAS	SMEWW 3113 B	mg/L	0.003	<0.001	Passed
INORGANIC NONMETALLIC CONSTITUENTS						
pH	Electrometric	SMEWW 4500-H ⁺ B	-	5.0-7.0 / 6.5-8.5	7.8	Passed
Nitrate	Nitrate Electrode	SMEWW 4500-NO ₃ ⁻ C	mg/L	50	3	Passed
Residual Chlorine	DPD Colorimetric	Hach Method 8021	mg/L	0.3 - 1.5	<0.1	-

Abbreviations: AAS - Atomic Absorption Spectrometry NTU - Nephelometric Turbidity Unit CU - Color Unit DPD - N,N-diethyl-p-phenylenediamine

Note: For product water that had undergone reverse osmosis or distillation, the pH range shall be 5.0 – 7.0 and the total dissolved solids (TDS) shall not exceed 10 mg/L to validate the efficiency of the process.

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**Philippine National Standards for Drinking Water, Department of Health, Manila, Philippines, 2007 and 2017

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PRC No. 0002369

Checked by:

LYNGAGE C. TAN, Jr. RCh
Technical Manager, Physico-chemical
Registered Chemist
PRC No. 0012589

Approved by:

JOSEF NIKOLAI C. MONROY, RCh
Laboratory Manager
Registered Chemist
PRC No. 0012323



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Company Address : cor. Faigal & Danzalan St. Sta. Veronica, Guimba, Nueva Ecija
Contact Number/s : 0998-9816943 / catacutan_jason@yahoo.com

SAMPLE DESCRIPTION

RFA No. : HC-0199931

Sample Source and Classification : Deepwell - Treated Water (Household
Trisha Racosa)

Date of Sampling : 14-Jul-2022

Time of Sampling : 04:34 PM

Date Received : 14-Jul-2022

Sample Collected by : MMV

Date Released : 21 July 2022

Parameter	*Method of Analysis	*Reference Method	**PNSDW Limit	Results	Remarks
Heterotrophic Plate Count	Pour Plate	SMEWW 9215 B HCTM-MCO-PW01	500 CFU / mL	441 CFU/mL	PASSED
Total Coliform	Multiple Tube Fermentation	SMEWW 9221 B HCTM-MCO-PW02	<1.1 MPN / 100 mL***	<1.1 MPN / 100 mL	PASSED
Fecal Coliform	Multiple Tube Fermentation	SMEWW 9221 E HCTM-MCO-PW03	<1.1 MPN / 100 mL***	<1.1 MPN / 100 mL	PASSED

Abbreviations: MPN – Most Probable Number

CFU – Colony Forming Units

References:

*Standard Methods for the Examination of Water and Wastewater, 22nd Edition, APHA, AWWA, WEF Washington DC, 2012

**Philippine National Standards for Drinking Water, Department of Health, Manila, Philippines, 2007 and 2017

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CHELSEA KYLE I. BERNARDO
Analyst, Microbiology


Checked by:


KATHLEEN MAE A. COMADOR
Team Leader, Microbiology

Noted by:


SHIELA MARIE R. SERRANO
Technical Manager, Microbiology

Approved by:


JOSEF NIKOLAI C. MONROY, RCh.
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Contact Number/s : 0998-9816943 / catacutan_jason@yahoo.com

SAMPLE DESCRIPTION

RFA No. : HC-0199931
Date of Sampling : 14-Jul-2022
Date Received : 14-Jul-2022
Date Released : 21 July 2022

Sample Source and Classification : Deepwell - Treated Water (Tampac Pump 8)
Time of Sampling : 04:55 PM
Sample Collected by : MMV

Parameter	*Method of Analysis	*Reference Method	**PNSDW Limit	Results	Remarks
Heterotrophic Plate Count	Pour Plate	SMEWW 9215 B HCTM-MCO-PW01	500 CFU / mL	386 CFU/mL	PASSED
Total Coliform	Multiple Tube Fermentation	SMEWW 9221 B HCTM-MCO-PW02	<1.1 MPN / 100 mL***	<1.1 MPN / 100 mL	PASSED
Fecal Coliform	Multiple Tube Fermentation	SMEWW 9221 E HCTM-MCO-PW03	<1.1 MPN / 100 mL***	<1.1 MPN / 100 mL	PASSED

Abbreviations: MPN – Most Probable Number

CFU – Colony Forming Units

References:

*Standard Methods for the Examination of Water and Wastewater, 22nd Edition, APHA, AWWA, WEF Washington DC, 2012

**Philippine National Standards for Drinking Water, Department of Health, Manila, Philippines, 2007 and 2017

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Team Leader, Microbiology

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Technical Manager, Microbiology

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JOSEF NIKOLAI C. MONROY, RCh.
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REPORT OF PHYSICO-CHEMICAL ANALYSIS POTABLE WATER

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Contact Number/s : 0998-9816943 / catacutan_jason@yahoo.com

SAMPLE DESCRIPTION

RFA No. : HC-0199931
Date of Sampling : 14-Jul-2022
Date Received : 14-Jul-2022
Date Released : 21 July 2022

Sample Source and Classification : Deepwell - Treated Water (Tampac Pump 8)
Time of Sampling : 04:55 PM
Sample Collected by : MMV

Parameters	Method	*Reference Method	Unit	**PNSDW Maximum Allowable Level	Results	Remarks
PHYSICAL AND AGGREGATE PROPERTIES						
Color (Apparent)	Visual Comparison	SMEWW 2120 B	CU	10	<5	Passed
Turbidity	Nephelometric	SMEWW 2130 B	NTU	5	0.25	Passed
Total Dissolved Solids	Gravimetric	SMEWW 2120 B	mg/L	10 / 600	315	Passed
METALS						
Lead	Electrothermal AAS	SMEWW 3113 B	mg/L	0.01	<0.01	Passed
Arsenic	Electrothermal AAS	SMEWW 3113 B	mg/L	0.01	<0.01	Passed
Cadmium	Electrothermal AAS	SMEWW 3113 B	mg/L	0.003	<0.001	Passed
INORGANIC NONMETALLIC CONSTITUENTS						
pH	Electrometric	SMEWW 4500-H* B	-	5.0-7.0 / 6.5-8.5	8.0	Passed
Nitrate	Nitrate Electrode	SMEWW 4500-NO ₃ * C	mg/L	50	4	Passed
Residual Chlorine	DPD Colorimetric	Hach Method 8021	mg/L	0.3 - 1.5	<0.1	-

Abbreviations: AAS - Atomic Absorption Spectrometry NTU - Nephelometric Turbidity Unit

CU - Color Unit

DPD - N,N-diethyl-p-phenylenediamine

Note: For product water that had undergone reverse osmosis or distillation, the pH range shall be 5.0 – 7.0 and the total dissolved solids (TDS) shall not exceed 10 mg/L to validate the efficiency of the process.

References:

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###End of Report###

Analyzed by:

YVONNE KATE D. CAHIGAS
Analyst, Physico-chemical
Licensed Chemical Technician
PRC No. 0004832

RICHARD G. BACUETES
Analyst, Physico-chemical
Licensed Chemical Technician
PRC No. 0002254

MARY EDEST D. COO
Analyst, Physico-chemical
Licensed Chemical Technician
PRC No. 0001563

RACHELLE P. BRILATA
Team Leader, Physico-chemical
Licensed Chemical Technician
PRC No. 0002369

Checked by:

LYNGAGE C. TAN, Jr, RCh
Technical Manager, Physico-chemical
Registered Chemist
PRC No. 0012589

Approved by:

JOSEF NIKOLAI C. MONROY, RCh
Laboratory Manager
Registered Chemist
PRC No. 0012323



HYDROLAB COMPANY

DOH Accreditation Number: 13-0002-2224-LW-2

Unit 107-108 & 407 MNRI. Bldg., Mindanao Avenue, Brgy. Talipapa, Quezon City

Landline: (02) 8404 1065 / (02) 7215 9008 / (02) 7959 1634;

(Sun) 0922 893 1450 / 0923 630 8441 / 0925 749 3762 / 0925 6493761;

(Globe) 0917 142 3975; 0917 193 4031 / 0917 104 3685;

Email: hydrolabcompany@gmail.com / laboratory.hydrolab@gmail.com

TEST REPORT FORM - MICROBIOLOGICAL POTABLE WATER

Name of Client :
Name of Company : **PAMANA WATER CORPORATION - GUIMBA**
Company Address : cor. Faigal & Danzalan St. Sta. Veronica, Guimba, Nueva Ecija
Contact Number/s : 0998-9816943 / catacutan_jason@yahoo.com

SAMPLE DESCRIPTION

RFA No. : HC-0199931 Sample Source and Classification : Deepwell - Treated Water (Household Jayr Manawis)
Date of Sampling : 14-Jul-2022 Time of Sampling : 04:59 PM
Date Received : 14-Jul-2022 Sample Collected by : MMV
Date Released : 21 July 2022

Parameter	*Method of Analysis	*Reference Method	**PNSDW Limit	Results	Remarks
Heterotrophic Plate Count	Pour Plate	SMEWW 9215 B HCTM-MCO-PW01	500 CFU / mL	413 CFU/mL	PASSED
Total Coliform	Multiple Tube Fermentation	SMEWW 9221 B HCTM-MCO-PW02	<1.1 MPN / 100 mL***	<1.1 MPN / 100 mL	PASSED
Fecal Coliform	Multiple Tube Fermentation	SMEWW 9221 E HCTM-MCO-PW03	<1.1 MPN / 100 mL***	<1.1 MPN / 100 mL	PASSED

Abbreviations: MPN – Most Probable Number

CFU – Colony Forming Units

References:

*Standard Methods for the Examination of Water and Wastewater, 22nd Edition, APHA, AWWA, WEF Washington DC, 2012

**Philippine National Standards for Drinking Water, Department of Health, Manila, Philippines, 2007 and 2017

***PNSDW standard value for total coliform is applicable to treated waters only.


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###End of Report###


Analyzed by:


CHELSEA GAYLE I. BERNARDO
Analyst, Microbiology


Checked by:


KATHLEEN MAE A. COMADOR
Team Leader, Microbiology

Noted by:


SHIELA MARIE R. SERRANO
Technical Manager, Microbiology

Approved by:


JOSEF NIKOLAI C. MONROY, RCh.
Laboratory Manager
PRC No. 0012323
WMLA No. 19-0860

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TEST REPORT FORM - MICROBIOLOGICAL POTABLE WATER

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Contact Number/s : 0998-9816943 / catacutan_jason@yahoo.com

SAMPLE DESCRIPTION

RFA No. : HC-0199931
Date of Sampling : 14-Jul-2022
Date Received : 14-Jul-2022
Date Released : 21 July 2022

Sample Source and Classification : Deepwell - Treated Water (Bantug Pump 3)
Time of Sampling : N.I.
Sample Collected by : MMV

Parameter	*Method of Analysis	*Reference Method	**PNSDW Limit	Results	Remarks
Heterotrophic Plate Count	Pour Plate	SMEVWW 9215 B HCTM-MCO-PW01	500 CFU / mL	429 CFU/mL	PASSED
Total Coliform	Multiple Tube Fermentation	SMEVWW 9221 B HCTM-MCO-PW02	<1.1 MPN / 100 mL***	<1.1 MPN / 100 mL	PASSED
Fecal Coliform	Multiple Tube Fermentation	SMEVWW 9221 E HCTM-MCO-PW03	<1.1 MPN / 100 mL***	<1.1 MPN / 100 mL	PASSED

Abbreviations: MPN – Most Probable Number

CFU – Colony Forming Units

References:

*Standard Methods for the Examination of Water and Wastewater, 22nd Edition, APHA, AWWA, WEF Washington DC, 2012

**Philippine National Standards for Drinking Water, Department of Health, Manila, Philippines, 2007 and 2017

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CHELSEA KYLE I. BERNARDO
Analyst, Microbiology

Checked by:


KATHLEEN MAE A. COMADOR
Team Leader, Microbiology

Noted by:


SHIELA MARIE R. SERRANO
Technical Manager, Microbiology

Approved by:


JOSEF NIKOLAI C. MONROY, RCh.
Laboratory Manager
PRC No. 0012323
WMLA No. 19-0860

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REPORT OF PHYSICO-CHEMICAL ANALYSIS POTABLE WATER

Name of Client :
Name of Company : **PAMANA WATER CORPORATION - GUIMBA**
Company Address : cor. Faigal & Danzalan St. Sta. Veronica, Guimba, Nueva Ecija
Contact Number/s : 0998-9816943 / catacutan_jason@yahoo.com

SAMPLE DESCRIPTION

RFA No. : HC-0199931
Date of Sampling : 14-Jul-2022
Date Received : 14-Jul-2022
Date Released : 21 July 2022
Sample Source and Classification : Deepwell - Treated Water (Bantug Pump 3)
Time of Sampling : N.I.
Sample Collected by : MMV

Parameters	Method	*Reference Method	Unit	**PNSDW Maximum Allowable Level	Results	Remarks
PHYSICAL AND AGGREGATE PROPERTIES						
Color (Apparent)	Visual Comparison	SMEWW 2120 B	CU	10	<5	Passed
Turbidity	Nephelometric	SMEWW 2130 B	NTU	5	0.30	Passed
Total Dissolved Solids	Gravimetric	SMEWW 2120 B	mg/L	10 / 600	384	Passed
METALS						
Lead	Electrothermal AAS	SMEWW 3113 B	mg/L	0.01	<0.01	Passed
Arsenic	Electrothermal AAS	SMEWW 3113 B	mg/L	0.01	<0.01	Passed
Cadmium	Electrothermal AAS	SMEWW 3113 B	mg/L	0.003	<0.001	Passed
INORGANIC NONMETALLIC CONSTITUENTS						
pH	Electrometric	SMEWW 4500-H* B	-	5.0-7.0 / 6.5-8.5	7.9	Passed
Nitrate	Nitrate Electrode	SMEWW 4500-NO ₃ ⁻ C	mg/L	50	3	Passed
Residual Chlorine	DPD Colorimetric	Hach Method 8021	mg/L	0.3 - 1.5	<0.1	-

Abbreviations: AAS - Atomic Absorption Spectrometry NTU - Nephelometric Turbidity Unit CU - Color Unit DPD - N,N-diethyl-p-phenylenediamine

Note: For product water that had undergone reverse osmosis or distillation, the pH range shall be 5.0 – 7.0 and the total dissolved solids (TDS) shall not exceed 10 mg/L to validate the efficiency of the process.

References:

**Philippine National Standards for Drinking Water, Department of Health, Manila, Philippines, 2007 and 2017

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TEST REPORT FORM - MICROBIOLOGICAL POTABLE WATER

Name of Client :
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Contact Number/s : 0998-9816943 / catacutan_jason@yahoo.com

SAMPLE DESCRIPTION

RFA No. : HC-0199931

Sample Source and Classification : Deepwell - Treated Water (Household
Edgardo delos Santos)

Date of Sampling : 14-Jul-2022

Time of Sampling : N.I.

Date Received : 14-Jul-2022

Sample Collected by : MMV

Date Released : 21 July 2022

Parameter	*Method of Analysis	*Reference Method	**PNSDW Limit	Results	Remarks
Heterotrophic Plate Count	Pour Plate	SMEWW 9215 B HCTM-MCO-PW01	500 CFU / mL	437 CFU/mL	PASSED
Total Coliform	Multiple Tube Fermentation	SMEWW 9221 B HCTM-MCO-PW02	<1.1 MPN / 100 mL***	<1.1 MPN / 100 mL	PASSED
Fecal Coliform	Multiple Tube Fermentation	SMEWW 9221 E HCTM-MCO-PW03	<1.1 MPN / 100 mL***	<1.1 MPN / 100 mL	PASSED

Abbreviations: MPN – Most Probable Number

CFU – Colony Forming Units

References:

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