

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)

: 05:24 PM

Time of Sampling 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, 22<sup>nd</sup> Edition, APHA, AWWA, WEF Washington DC, 2012
- \*\*Philippine National Standards for Drinking Water, Department of Health, Manila, Philippines, 2007 and 2017

The Laboratory does not guarantee that the sample/s submitted is/are representative of the whole bulk from where it/they was/were taken. The results given in this report refer only to the particular sample submitted.

###End of Report###

Analyzed by:

Checked by.

Noted by:

Approved by:

Analyst, Microbiology

KATHLEEN MAE A. COMADOR Team Leader, Microbiology

SHIELA MARIE R. SERRANO Technical Manager, Microbiology

JOSEF NIKOLAI C. MONROY, RCh. Laboratory Manager

PRC No. 0012323 WMLA No. 19-0860

<sup>\*\*\*</sup>PNSDW standard value for total coliform is applicable to treated waters only.



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#### REPORT OF PHYSICO-CHEMICAL ANALYSIS **POTABLE WATER**

Name of Client

Name of Company

: PAMANA WATER CORPORATION - GUIMBA

Company Address Contact Number/s

: cor. Faigal & Danzalan St. Sta. Veronica, Guimba, Nueva Ecija : 0998-9816943 / catacutan jason@yahoo.com

#### SAMPLE DESCRIPTION

: HC-0199931 RFA No.

Sample Source and Classification : Deepwell - Treated Water (Bacayao Pump 6)

Date of Sampling: 14-Jul-2022 Date Received : 14-Jul-2022 Time of Sampling Sample Collected by : MMV

: 05:24 PM

: 21 July 2022 Date Released

Parameters	Method	*Reference Method	Unit	**PNSDW Maximum Allowable Level	Results	Remarks
PHYSICAL AND AGGREG	ATE 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 NONMETALL	IC CONSTITUENTS					
рН	Electrometric	SMEWW 4500-H <sup>+</sup> B	-	5.0-7.0 / 6.5-8.5	8.0	Passed
Nitrate	Nitrate Electrode	SMEWW 4500-NO <sub>3</sub> - 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

RACHELLE P.BRILATA

PRC No. 0002369

Team Leader, Physico-chemical

Licensed Chemical Technician

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

Lw

Checked by:

LYNGAGE C. TAN, Jr, RCh Technical Manager, Physico-chemical Registered Chemist

Analyst, Physico-chemical Licensed Chemical Technician PRC No. 0001563

Approved by:

JOSEF NIKOLAI C. MONROY, RCh

Laboratory Manager Registered Chemist PRC No. 0012323

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



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## TEST REPORT FORM - MICROBIOLOGICAL

POTABLE WATER

Name of Client

Name of Company

: PAMANA WATER CORPORATION - GUIMBA

Company Address Contact Number/s

: cor. Faigal & Danzalan St. Sta. Veronica, Guimba, Nueva Ecija

: 0998-9816943 / catacutan\_jason@yahoo.com

SAMPLE DESCRIPTION

RFA No.

: HC-0199931

Sample Source and Classification : Deepwell - Treated Water (Household

Marites Tumavo)

Date of Sampling: 14-Jul-2022 Date Received

: 14-Jul-2022

Time of Sampling Sample Collected by : 05:27 PM : 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:

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Checked by:

Noted by:

Approved by:

Analyst, Microbiology

KATHLEEN MAE A. COMADOR Team Leader, Microbiology

SHIELA MARIE R. SERRANO Technical Manager, Microbiology

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

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

<sup>\*\*</sup>Philippine National Standards for Drinking Water, Department of Health, Manila, Philippines, 2007 and 2017

<sup>\*\*\*</sup>PNSDW standard value for total coliform is applicable to treated waters only.



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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 (Narvacan 1

Pump 10)

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

: 05:35 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	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:

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#### REPORT OF PHYSICO-CHEMICAL ANALYSIS **POTABLE WATER**

Name of Client

Name of Company

PAMANA WATER CORPORATION - GUIMBA

Company Address Contact Number/s

: cor. Faigal & Danzalan St. Sta. Veronica, Guimba, Nueva Ecija : 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 Date Received

Time of Sampling Sample Collected by : 05:35 PM : MMV

: 14-Jul-2022 Date Released : 21 July 2022

Parameters	Method	*Reference Method	Unit	**PNSDW Maximum Allowable Level	Results	Remarks
PHYSICAL AND AGGREG	ATE 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 NONMETALL	IC CONSTITUENTS					
На	Electrometric	SMEWW 4500-H <sup>+</sup> B	-	5.0-7.0 / 6.5-8.5	8.3	Passed
Nitrate	Nitrate Electrode	SMEWW 4500-NO <sub>3</sub> 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

RACHELLE P.BRILATA

PRC No. 0002369

Team Leader, Physico-chemical

**Licensed Chemical Technician** 

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

RICHARD G. BACUETES

Analyst, Physico-chemical

Licensed Chemical Technician

Checked by:

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

MARY EDEST D. COO

Analyst, Physico-chemical Licensed Chemical Technician PRC No. 0001563

Approved by:

JOSEF NIKOLAI C. MONROY, RCh

Laboratory Manager Registered Chemist PRC No. 0012323

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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@vahoo.com

#### SAMPLE DESCRIPTION

RFA No.

Date Released

: HC-0199931

Sample Source and Classification : Deepwell - Treated Water (Household

Cenaida Centro)

Date of Sampling: 14-Jul-2022 Date Received

: 14-Jul-2022

: 21 July 2022

Time of Sampling

: 05:37 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	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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- \*\*Philippine National Standards for Drinking Water, Department of Health, Manila, Philippines, 2007 and 2017

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Analyzed by:

Checked by:

Noted by:

Approved by:

Analyst, Microbiology

KATHLEEN MAE A. COMADOR Team Leader, Microbiology

SHIELA MARIE R. SERRANO Technical Manager, Microbiology

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

<sup>\*\*\*</sup>PNSDW standard value for total coliform is applicable to treated waters only.



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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.

Date Received

: HC-0199931

Date of Sampling: 14-Jul-2022

: 14-Jul-2022

Date Released : 21 July 2022

Sample Source and Classification : Deepwell - Treated Water (San Rafael Pump 7)

: 05:47 PM

Time of Sampling 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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Analyzed by:

Checked by:

Noted by:

Approved by:

KATHLEEN MAE A. COMADOR Team Leader, Microbiology

SHIELA MARIE R. SERRANO Technical Manager, Microbiology 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**

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Name of Company

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Company Address

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: 0998-9816943 / catacutan\_jason@yahoo.com Contact Number/s

SAMPLE DESCRIPTION

RFA No.

: HC-0199931

Sample Source and Classification : Deepwell - Treated Water (San Rafael

Pump 7)

Date of Sampling: 14-Jul-2022 Date Received

Time of Sampling Sample Collected by : 05:47 PM : MMV

: 14-Jul-2022 Date Released : 21 July 2022

Parameters	Method	*Reference Method	Unit	**PNSDW Maximum Allowable Level	Results	Remarks
PHYSICAL AND AGGREG	ATE 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			The second			
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 NONMETALL	IC CONSTITUENTS	HIGH				
pH	Electrometric	SMEWW 4500-H* B	-	5.0-7.0 / 6.5-8.5	8.1	Passed
Nitrate	Nitrate Electrode	SMEWW 4500-NO <sub>3</sub> - 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

RACHELLE P.BRILATA

PRC No. 0002369

Team Leader, Physico-chemical

Licensed Chemical Technician

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Checked by:

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MARY EDEST D. COO

Analyst, Physico-chemical Licensed Chemical Technician PRC No. 0001563

Approved by:

JOSEF NIKOLAI C. MONROY, RCh

Laboratory Manage **Registered Chemist** PRC No. 0012323

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



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#### TEST REPORT FORM - MICROBIOLOGICAL

POTABLE WATER

Name of Client

Name of Company

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Company Address

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Contact Number/s

: 0998-9816943 / catacutan jason@yahoo.com

#### SAMPLE DESCRIPTION

RFA No.

Date Released

: HC-0199931

Sample Source and Classification : Deepwell - Treated Water (Household

<1.1 MPN / 100 mL

Nestor Borja)

**PASSED** 

Date of Sampling: 14-Jul-2022 Date Received

: 14-Jul-2022 : 21 July 2022

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

<1.1 MPN / 100 mL\*\*\*

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

Fermentation Abbreviations: MPN - Most Probable Number HCTM-MCO-PW03 CFU - Colony Forming Units

#### References:

Fecal Coliform

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Checked by:

Noted by:

Approved by:

CHELSEA GAYLE I. BERNARDO Analyst, Microbiology

KATHLEEN MAE A. COMADOR Team Leader, Microbiology

SHIELA MARIE R. SERRANO Technical Manager, Microbiology JOSEF NIKOLAI C. MONROY, RCh. Laboratory Manager

PRC No. 0012323 WMLA No. 19-0860

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<sup>\*\*</sup>Philippine National Standards for Drinking Water, Department of Health, Manila, Philippines, 2007 and 2017

<sup>\*\*\*</sup>PNSDW standard value for total coliform is applicable to treated waters only.



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

Manuel Ambalina)

Date of Sampling: 14-Jul-2022 Date Received : 14-Jul-2022 Date Released : 21 July 2022 Time of Sampling : 04:26 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	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:

The Laboratory does not guarantee that the sample/s submitted is/are representative of the whole bulk from where it/they was/were taken. The results given in this report refer only to the particular sample submitted.

###End of Report###

Analyzed by:

Checked by:

Noted by:

Approved by:

KATHLEEN MAE A. COMADOR

SHIELA MARIE R. SERRANO Technical Manager, Microbiology

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

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

<sup>\*\*</sup>Philippine National Standards for Drinking Water, Department of Health, Manila, Philippines, 2007 and 2017

<sup>\*\*\*</sup>PNSDW standard value for total coliform is applicable to treated waters only.



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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 (San Roque Pump 2)

Date of Sampling: 14-Jul-2022 Date Received : 14-Jul-2022 Time of Sampling Sample Collected by

: 04:37 PM : 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	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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###End of Report###

Analyzed by:

Checked by:

Noted by:

Approved by:

Analyst, Microbiology

KATHLEEN MAE A. COMADOR Team Leader, Microbiology

SHIELA MARIE R. SERRANO Technical Manager, Microbiology

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

<sup>\*\*\*</sup>PNSDW standard value for total coliform is applicable to treated waters only.



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

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

### REPORT OF PHYSICO-CHEMICAL ANALYSIS POTABLE WATER

Name of Client

Name of Company

: PAMANA WATER CORPORATION - GUIMBA

Company Address Contact Number/s

: cor. Faigal & Danzalan St. Sta. Veronica, Guimba, Nueva Ecija

: 0998-9816943 / catacutan\_jason@yahoo.com

#### SAMPLE DESCRIPTION

: HC-0199931 RFA No.

Sample Source and Classification : Deepwell - Treated Water (San Roque Pump 2)

Date of Sampling: 14-Jul-2022 : 14-Jul-2022 Date Received

Time of Sampling Sample Collected by

: MMV

: 04:37 PM

Date Released : 21 July 2022

Parameters	Method	*Reference Method	Unit	**PNSDW Maximum Allowable Level	Results	Remarks
PHYSICAL AND AGGREG	ATE 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 NONMETALL	IC CONSTITUENTS					
На	Electrometric	SMEWW 4500-H <sup>+</sup> B	-	5.0-7.0 / 6.5-8.5	8.2	Passed
Nitrate	Nitrate Electrode	SMEWW 4500-NO <sub>3</sub> - 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

RACHELLE P.BRILATA

PRC No. 0002369

Team Leader, Physico-chemical

**Licensed Chemical Technician** 

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.

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

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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

Checked by:

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

MARY EDEST D. COO

Analyst, Physico-chemical Licensed Chemical Technician PRC No. 0001563

Approved by:

JOSEF NIKOLAI C. MONROY, RCh

Laboratory Manager Registered Chemist PRC No. 0012323

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



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

#### REPORT OF PHYSICO-CHEMICAL ANALYSIS **POTABLE WATER**

Name of Client Name of Company

: PAMANA WATER CORPORATION - GUIMBA

Company Address Contact Number/s

: cor. Faigal & Danzalan St. Sta. Veronica, Guimba, Nueva Ecija

: 0998-9816943 / catacutan jason@yahoo.com

#### SAMPLE DESCRIPTION

RFA No

: HC-0199931

Sample Source and Classification : Deepwell - Treated Water (Maturanoc Pump 4)

Date of Sampling: 14-Jul-2022 Date Received : 14-Jul-2022 Time of Sampling Sample Collected by : MMV

04:23 PM

: 21 July 2022 Date Released

\*PNSDW Results Remarks \*Reference Method Unit Maximum Method **Parameters** Allowable Level PHYSICAL AND AGGREGATE PROPERTIES **SMEWW 2120 B** CU <5 Passed Visual Comparison Color (Apparent) 0.15 Passed **SMEWW 2130 B** NTU Turbidity Nephelometric **SMEWW 2120 B** 10 / 600 332 Passed Total Dissolved Solids mq/L Gravimetric **METALS** < 0.01 Passed **SMEWW 3113 B** 0.01 Electrothermal AAS mg/L < 0.01 Passed 0.01 **SMEWW 3113 B** Arsenio Electrothermal AAS mg/L < 0.001 Passed **SMEWW 3113 B** 0.003 Cadmium Electrothermal AAS mg/L INORGANIC NONMETALLIC CONSTITUENTS

Hach Method 8021 Residual Chlorine **DPD** Colorimetric Abbreviations: AAS - Atomic Absorption Spectrometry NTU - Nephelometric Turbidity Unit

Electrometric

Nitrate Electrode

mg/L CU - Color Unit

mq/L

5.0-7.0 / 6.5-8.5

< 0.1 DPD - N,N-diethyl-p-phenylenediamine

RACHELLE P.BRILATA

PRC No. 0002369

Team Leader, Physico-chemical

Licensed Chemical Technician

8.0

Passed

Passed

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.

SMEWW 4500-H\* B

SMEWW 4500-NO<sub>3</sub>- C

#### References:

Lead

Nitrate

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

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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

Lu

Checked by:

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

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

Approved by:

JOSEF NIKOLAI C. MONROY, RCh

Laboratory Manager Registered Chemist PRC No. 0012323

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



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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 Contact Number/s

: cor. Faigal & Danzalan St. Sta. Veronica, Guimba, Nueva Ecija

: 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 Date Received : 14-Jul-2022 Time of Sampling Sample Collected by

: 03:57 PM : 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:

\*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:

Checked by:

Noted by:

Approved by:

Analyst, Microbiology

KATHLEEN MAE A. COMADOR Team Leader, Microbiology

SHIELA MARIE R. SERRANO Technical Manager, Microbiology

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

<sup>\*\*\*</sup>PNSDW standard value for total coliform is applicable to treated waters only.



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

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

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

#### REPORT OF PHYSICO-CHEMICAL ANALYSIS **POTABLE WATER**

Name of Client

Name of Company Company Address : PAMANA WATER CORPORATION - GUIMBA

: cor. Faigal & Danzalan St. Sta. Veronica, Guimba, Nueva Ecija

: 0998-9816943 / catacutan\_jason@yahoo.com Contact Number/s

SAMPLE DESCRIPTION

: HC-0199931 RFA No.

Sample Source and Classification : Deepwell - Treated Water (San Andres

Pump 5)

Date of Sampling: 14-Jul-2022 Date Received

Date Released

: 14-Jul-2022 : 21 July 2022 Time of Sampling Sample Collected by : 03:57 PM : MMV

Parameters	Method	*Reference Method	Unit	**PNSDW Maximum Allowable Level	Results	Remarks
PHYSICAL AND AGGREG	ATE 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 NONMETALL	IC CONSTITUENTS					
На	Electrometric	SMEWW 4500-H <sup>+</sup> B	12	5.0-7.0 / 6.5-8.5	8.2	Passed
Nitrate	Nitrate Electrode	SMEWW 4500-NO <sub>3</sub> C	mg/L	50	2	Passed

Hach Method 8021 DPD Colorimetric 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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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

Checked by:

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

MARY EDEST D. COO

Analyst, Physico-chemical Licensed Chemical Technician PRC No. 0001563

Approved by:

JOSEF NIKOLAI C. MONROY, RCh

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



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

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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

Venus Fetenes)

Date of Sampling: 14-Jul-2022 Date Received : 14-Jul-2022

Time of Sampling

: 04:01 PM

Date Released

: 21 July 2022

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	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:

The Laboratory does not guarantee that the sample/s submitted is/are representative of the whole bulk from where it/they was/were taken. The results given in this report refer only to the particular sample submitted.

###End of Report###

Analyzed by:

Checked by:

Noted by:

Approved by:

Analyst, Microbiology

KATHLEEN MAE A. COMADOR Team Leader, Microbiology

SHIELA MARIE R. SERRANO Technical Manager, Microbiology

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

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

<sup>\*\*</sup>Philippine National Standards for Drinking Water, Department of Health, Manila, Philippines, 2007 and 2017

<sup>\*\*\*</sup>PNSDW standard value for total coliform is applicable to treated waters only.



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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

Date of Sampling: 14-Jul-2022

Date Received : 14-Jul-2022

Sample Source and Classification : Deepwell - Treated Water (Maturanoc Pump 4)

Time of Sampling

: 04:23 PM

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	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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###End of Report###

Analyzed by.

Checked by:

Noted by:

Approved by:

Analyst, Microbiology

Team Leader, Microbiology

SHIELA MARIE R. SERRANO Technical Manager, Microbiology

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

<sup>\*\*</sup>Philippine National Standards for Drinking Water, Department of Health, Manila, Philippines, 2007 and 2017

<sup>\*\*\*</sup>PNSDW standard value for total coliform is applicable to treated waters only



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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

Edgardo Bautista)

Date of Sampling: 14-Jul-2022 Date Received

Time of Sampling

: 03:49 PM

: 14-Jul-2022 Date Released

: 21 July 2022

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	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:

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###End of Report###

Analyzed by:

Checked by:

Noted by:

Approved by:

Analyst, Microbiology

KATHLEEN MAE A. COMADOR

Technical Manager, Microbiology

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

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

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<sup>\*\*\*</sup>PNSDW standard value for total coliform is applicable to treated waters only.



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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

Sample Source and Classification : Deepwell - Treated Water (Sta. Veronica Pump)

: 03:35 PM Time of Sampling

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	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:

The Laboratory does not guarantee that the sample/s submitted is/are representative of the whole bulk from where it/they was/were taken. The results given in this report refer only to the particular sample submitted.

###End of Report###

Analyzed by.

Checked by:

Noted by:

Approved by:

Analyst, Microbiology

KATHLEEN MAE A. COMADOR Team Leader, Microbiology

SHIELA MARIE R. SERRANO Technical Manager, Microbiology

JOSEF NIKOLAI C. MONROY, RCh. Laboratory Manager

PRC No. 0012323 WMLA No. 19-0860

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

<sup>\*\*</sup>Philippine National Standards for Drinking Water, Department of Health, Manila, Philippines, 2007 and 2017

<sup>\*\*\*</sup>PNSDW standard value for total coliform is applicable to treated waters only.



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

# REPORT OF PHYSICO-CHEMICAL ANALYSIS POTABLE WATER

Name of Client

Name of Company

: PAMANA WATER CORPORATION - GUIMBA

Company Address Contact Number/s : cor. Faigal & Danzalan St. Sta. Veronica, Guimba, Nueva Ecija

: 0998-9816943 / catacutan\_jason@yahoo.com

#### SAMPLE DESCRIPTION

RFA No. : HC-0199931

Sample Source and Classification

: Deepwell - Treated Water (Sta. Veronica Pump)

Date of Sampling: 14-Jul-2022
Date Received: 14-Jul-2022

Time of Sampling Sample Collected by

: 03:35 PM : MMV

Date Released : 21 July 2022

Parameters	Method	*Reference Method	Unit	**PNSDW Maximum Allowable Level	Results	Remarks
PHYSICAL AND AGGREG	ATE 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 NONMETALL	IC CONSTITUENTS					
ΡĤ	Electrometric	SMEWW 4500-H <sup>+</sup> B	-	5.0-7.0 / 6.5-8.5	7.7	Passed
Nitrate	Nitrate Electrode	SMEWW 4500-NO <sub>3</sub> - 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

RACHELLE P.BRILATA

PRC No. 0002369

Team Leader, Physico-chemical

Licensed Chemical Technician

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

Checked by:

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

MARY EDEST D. COO

Analyst, Physico-chemical Licensed Chemical Technician PRC No. 0001563

Approved by:

JOSEF NIKOLAI C. MONROY, RCh

Laboratory Manager Registered Chemist PRC No. 0012323

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



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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 Contact Number/s

: cor. Faigal & Danzalan St. Sta. Veronica, Guimba, Nueva Ecija

: 0998-9816943 / catacutan\_jason@yahoo.com

#### SAMPLE DESCRIPTION

RFA No. : HC-0199931

Sample Source and Classification : Deepwell - Treated Water (Household Fe Cuycu)

Date of Sampling: 14-Jul-2022 Date Received : 14-Jul-2022

Time of Sampling

: 03:37 PM

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	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

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###End of Report###

Analyzed by:

Checked by:

Noted by:

Approved by:

E I. BERNARDO Analyst, Microbiology

KATHLEEN MAE A. COMADOR Team Leader, Microbiology

SHIELA MARIE R. SERRANO Technical Manager, Microbiology

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

<sup>\*\*</sup>Philippine National Standards for Drinking Water, Department of Health, Manila, Philippines, 2007 and 2017

<sup>\*\*\*</sup>PNSDW standard value for total coliform is applicable to treated waters only.



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

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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 (Rufina Homes V

Pump 9)

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

Time of Sampling Sample Collected by

: 03:46 PM : MMV

And the second s					
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:

The Laboratory does not guarantee that the sample/s submitted is/are representative of the whole bulk from where it/they was/were taken. The results given in this report refer only to the particular sample submitted.

###End of Report###

Analyzed by:

Checked by:

Noted by:

Approved by:

CHELSEA GRYLE I. BERNARDO Analyst, Microbiology KATHLEEN MAE A. COMADOR Team Leader, Microbiology

SHIELA MARIE R. SERRANO
Technical Manager, Microbiology

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

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

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

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

#### REPORT OF PHYSICO-CHEMICAL ANALYSIS **POTABLE WATER**

Name of Client

Name of Company Company Address

: PAMANA WATER CORPORATION - GUIMBA

: 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 Sample Collected by : 03:46 PM : MMV

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

Parameters	Method	*Reference Method	Unit	**PNSDW Maximum Allowable Level	Results	Remarks
PHYSICAL AND AGGREG	ATE 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 NONMETALL	IC CONSTITUENTS	Harmen I		300		
На	Electrometric	SMEWW 4500-H <sup>+</sup> B	-	5.0-7.0 / 6.5-8.5	7.8	Passed
Nitrate	Nitrate Electrode	SMEWW 4500-NO <sub>3</sub> 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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Analyzed by:

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

RICHARD G. BACUETES Analyst, Physico-chemical Licensed Chemical Technician

Checked by:

PRC No. 0002254

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

MARY EDEST D. COO Analyst, Physico-chemical

Licensed Chemical Technician PRC No. 0001563

Approved by:

JOSEF NIKOLAI C. MONROY, RCh

Laboratory Manager **Registered Chemist** PRC No. 0012323

RACHELLE P.BRILATA Team Leader, Physico-chemical Licensed Chemical Technician

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



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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 Contact Number/s

: cor. Faigal & Danzalan St. Sta. Veronica, Guimba, Nueva Ecija

: 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 Date Received

Date Released

: 21 July 2022

: 14-Jul-2022

Time of Sampling

: 04:34 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	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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###End of Report###

Analyzed by:

Checked by:

Noted by:

Approved by:

Analyst, Microbiology

KATHLEEN MAE A. COMADOR Team Leader, Microbiology

SHIELA MARIE R. SERRANO Technical Manager, Microbiology

JOSEF NIKOLAI C. MONROY, RCh. Laboratory Manager

PRC No. 0012323 WMLA No. 19-0860

<sup>\*\*\*</sup>PNSDW standard value for total coliform is applicable to treated waters only.



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

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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 Contact Number/s

: cor. Faigal & Danzalan St. Sta. Veronica, Guimba, Nueva Ecija

: 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)

: 04:55 PM

Time of Sampling

: MMV

Sample Collected by

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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###End of Report###

Analyzed by:

Checked by:

Noted by:

Approved by:

CHELSEA GAYLE I. BERNARDO Analyst, Microbiology

KATHLEEN MAE A. COMADOR

SHIELA MARIE R. SERRANO Technical Manager, Microbiology

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 Contact Number/s

: cor. Faigal & Danzalan St. Sta. Veronica, Guimba, Nueva Ecija : 0998-9816943 / catacutan\_jason@yahoo.com

SAMPLE DESCRIPTION

RFA No.

Date Received

: HC-0199931 Date of Sampling: 14-Jul-2022

Sample Source and Classification : Deepwell - Treated Water (Tampac Pump 8)

Time of Sampling Sample Collected by

: 04:55 PM : MMV

: 14-Jul-2022

Date Released : 21 July 2022

		Unit	Maximum Allowable Level	Results	Remarks
PROPERTIES					
Visual Comparison	SMEWW 2120 B	CU	10	<5	Passed
Nephelometric	SMEWW 2130 B	NTU	5		Passed
Gravimetric	SMEWW 2120 B	ma/L	10 / 600		Passed
				0.10	1 43364
Electrothermal AAS	SMEWW 3113 B	mg/L	0.01	<0.01	Passed
Electrothermal AAS	SMEWW 3113 B	ma/L	0.01		Passed
Electrothermal AAS	SMEWW 3113 B		0.003		Passed
DNSTITUENTS		1	0.000	40.001	rasseu
Electrometric	SMEWW 4500-H+ B		5.0-7.0 / 6.5-8.5	8.0	Passed
Nitrate Electrode		ma/I		1	
DPD Colorimetric	Hach Method 8021	-		<0.1	Passed
	Visual Comparison Nephelometric Gravimetric  Electrothermal AAS Electrothermal AAS Electrothermal AAS DNSTITUENTS Electrometric Nitrate Electrode DPD Colorimetric	Visual Comparison         SMEWW 2120 B           Nephelometric         SMEWW 2130 B           Gravimetric         SMEWW 2120 B           Electrothermal AAS         SMEWW 3113 B           Electrothermal AAS         SMEWW 3113 B           Electrothermal AAS         SMEWW 3113 B           DNSTITUENTS         SMEWW 4500-H° B           Nitrate Electrode         SMEWW 4500-NO <sub>3</sub> · C	Visual Comparison         SMEWW 2120 B         CU           Nephelometric         SMEWW 2130 B         NTU           Gravimetric         SMEWW 2120 B         mg/L           Electrothermal AAS         SMEWW 3113 B         mg/L           Electrothermal AAS         SMEWW 3113 B         mg/L           Electrothermal AAS         SMEWW 3113 B         mg/L           DNSTITUENTS         SMEWW 4500-H* B         -           Electrometric         SMEWW 4500-NO3* C         mg/L           DPD Colorimetric         Hach Method 8021         mg/L	Visual Comparison         SMEWW 2120 B         CU         10           Nephelometric         SMEWW 2130 B         NTU         5           Gravimetric         SMEWW 2120 B         mg/L         10 / 600           Electrothermal AAS         SMEWW 3113 B         mg/L         0.01           Electrothermal AAS         SMEWW 3113 B         mg/L         0.01           Electrothermal AAS         SMEWW 3113 B         mg/L         0.003           DNSTITUENTS           Electrometric         SMEWW 4500-H* B         -         5.0-7.0 / 6.5-8.5           Nitrate Electrode         SMEWW 4500-NO3* C         mg/L         50           DPD Colorimetric         Hach Method 8021         mg/L         0.3 - 1.5	Visual Comparison         SMEWW 2120 B         CU         10         <5           Nephelometric         SMEWW 2130 B         NTU         5         0.25           Gravimetric         SMEWW 2120 B         mg/L         10 / 600         315           Electrothermal AAS         SMEWW 3113 B         mg/L         0.01         <0.01

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

CU - Color Unit

DPD - N,N-diethyl-p-phenylenediamine

RACHELLE P.BRILATA

Team Leader, Physico-chemical

Licensed Chemical Technician

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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###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

Checked by:

LYNGAGE C. TAN, Jr, RCh Technical Manager, Physico-chemical Registered Chemist

MARY EDEST D. COO Analyst, Physico-chemical

Licensed Chemical Technician PRC No. 0001563

Approved by:

m JOSEF NIKOLAI C. MONROY, RCh

Laboratory Manager Registered Chemist PRC No. 0012323

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



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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

Jayr Manawis)

Date of Sampling: 14-Jul-2022 Date Received : 14-Jul-2022

Time of Sampling

: 04:59 PM

Date Released

: 21 July 2022

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	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:

The Laboratory does not guarantee that the sample/s submitted is/are representative of the whole bulk from where it/they was/were taken. The results given in this report refer only to the particular sample submitted.

###End of Report###

Analyzed by:

Checked by:

Noted by:

Approved by:

Analyst, Microbiology

KATHLEEN MAE A. COMADOR Team Leader, Microbiology

SHIELA MARIE R. SERRANO Technical Manager, Microbiology JOSEF NIKOLAI C. MONROY, RCh. Laboratory Manager PRC No. 0012323 WMLA No. 19-0860

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

<sup>\*\*</sup>Philippine National Standards for Drinking Water, Department of Health, Manila, Philippines, 2007 and 2017

<sup>\*\*\*</sup>PNSDW standard value for total coliform is applicable to treated waters only.



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

Date Released

RFA No. : HC-0199931 Sample Source and Classification : Deepwell - Treated Water (Bantug Pump 3)

Date of Sampling: 14-Jul-2022 Time of Sampling: N.I.

Date Received: 14-Jul-2022 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	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

: 21 July 2022

CFU - Colony Forming Units

#### References:

The Laboratory does not guarantee that the sample/s submitted is/are representative of the whole bulk from where it/they was/were taken. The results given in this report refer only to the particular sample submitted.

###End of Report###

Analyzed by:

Checked by:

Noted by:

Approved by:

CHELSEA GRYLE I. BERNARDO Analyst, Microbiology

KATHLEEN MAE A. COMADOR Team Leader, Microbiology

SHIELA MARIE R. SERRANO
Technical Manager, Microbiology

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

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

<sup>\*\*</sup>Philippine National Standards for Drinking Water, Department of Health, Manila, Philippines, 2007 and 2017

<sup>\*\*\*</sup>PNSDW standard value for total coliform is applicable to treated waters only.



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

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

#### REPORT OF PHYSICO-CHEMICAL ANALYSIS **POTABLE WATER**

Name of Client

Date Received

Date Released

Name of Company Company Address

: PAMANA WATER CORPORATION - GUIMBA

: cor. Faigal & Danzalan St. Sta. Veronica, Guimba, Nueva Ecija

: 0998-9816943 / catacutan\_jason@yahoo.com Contact Number/s

#### SAMPLE DESCRIPTION

RFA No. : HC-0199931 Date of Sampling: 14-Jul-2022

: 14-Jul-2022 : 21 July 2022

: Deepwell - Treated Water (Bantug Pump 3) Sample Source and Classification

5.0-7.0 / 6.5-8.5

50

Time of Sampling : N.I. : MMV Sample Collected by

\*\*PNSDW Remarks Results \*Reference Method Unit Maximum Method **Parameters** Allowable Level PHYSICAL AND AGGREGATE PROPERTIES Passed **SMEWW 2120 B** CU 10 Visual Comparison Color (Apparent) NTU 5 0.30 Passed Turbidity **SMEWW 2130 B** Nephelometric 10 / 600 384 Passed **SMEWW 2120 B** mg/L Total Dissolved Solids Gravimetric METALS **SMEWW 3113 B** 0.01 <0.01 Passed Electrothermal AAS mg/L Lead Passed < 0.01 Electrothermal AAS **SMEWW 3113 B** mg/L 0.01 Arsenic **SMEWW 3113 B** 0.003 < 0.001 Passed Flectrothermal AAS mg/L Cadmium INORGANIC NONMETALLIC CONSTITUENTS

SMEWW 4500-H+ B

SMEWW 4500-NO3 C

DPD Colorimetric Hach Method 8021 Residual Chlorine Abbreviations: AAS - Atomic Absorption Spectrometry NTU - Nephelometric Turbidity Unit

Electrometric

Nitrate Electrode

mg/L CU - Color Unit

mg/L

< 0.1 0.3 - 1.5DPD - N,N-diethyl-p-phenylenediamine

RACHELLE P.BRILATA

PRC No. 0002369

Team Leader, Physico-chemical

Licensed Chemical Technician

7.9

Passed

Passed

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.

Nitrate

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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

Checked by:

Lu LYNGAGE C. TAN, Jr, RCh Technical Manager, Physico-chemical

Registered Chemist

Approved by:

PRC No. 0001563

JOSEF NIKOLAI C. MONROY, RCh

Laboratory Manager Registered Chemist

MARY EDEST D. COO

Analyst, Physico-chemical

Licensed Chemical Technician

<sup>\*\*</sup>Philippine National Standards for Drinking Water, Department of Health, Manila, Philippines, 2007 and 2017

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



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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 Contact Number/s

: cor. Faigal & Danzalan St. Sta. Veronica, Guimba, Nueva Ecija

: 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 Date Received

: 14-Jul-2022

Time of Sampling Sample Collected by : N.I. : 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:

- \*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:

Checked by:

Noted by:

Approved by:

WMLA No. 19-0860

Analyst, Microbiology

KATHLEEN MAE A. COMADOR Team Leader, Microbiology

SHIELA MARIE R. SERRANO Technical Manager, Microbiology

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

<sup>\*\*\*</sup>PNSDW standard value for total coliform is applicable to treated waters only.