



# AMEER DIAGNOSTIC LABORATORY

A DOH ACCREDITED WATER AND DRUG TESTING LABORATORY

DOH Accreditation No.: 3-11-13-LW & 03-794-15-PFSS-R

A. Mabini St., Mojon, Malolos City (Beside SSS Office), Bulacan

Tel. No.: (044) 662-6448 / 305 0430 Cell. No.: (0925) 525 5504 / (0925) 525 5505 / (0923) 737 8982 / (0917) 525 8199

E-mail : ameerdtl\_lab@yahoo.com

## PHYSICO - CHEMICAL TEST RESULT FOR DRINKING WATER

Customer's Name : **GAPAN WATER DISTRICT**  
Address : **GAPAN, NUEVA ECIJA**  
Attention :  
Sample Taken By : **ROY ABELLA**  
Date of Sampling : **November 11, 2015**  
Date Received : **November 11, 2015**  
Time of Sampling : **3:29 PM**  
Place of Sampling : **PAMBUAN, NUEVA ECIJA**  
Source of Sample : **DEEPWELL**

Date Released : **December 3, 2015**

Lab. No. : **ADL - 15 - 383**

Sample I.D. : **PAMBUAN PUMP STATION**

Sample Description :

**CLEAR, NO SEDIMENTS**

| Analyses                 | Method                        | Dates of Analyses | Results, as received | Units | PNSDW Limits*                         | Remarks |
|--------------------------|-------------------------------|-------------------|----------------------|-------|---------------------------------------|---------|
| <b>PHYSICAL ANALYSIS</b> |                               |                   |                      |       |                                       |         |
| Turbidity                | Turbidimeter (IDL = 0.02 NTU) | 11/12/2015        | <0.02                | NTU   | 5                                     | Passed  |
| Color, True              | Visual Comparison             | 11/12/2015        | 1                    | PCU   | 5                                     | Passed  |
| <b>CHEMICAL ANALYSIS</b> |                               |                   |                      |       |                                       |         |
| pH, Laboratory @ 25°C    | Glass Electrode               | 11/12/2015        | 7.79                 | ----- | 6.5-8.5, 5-7 if purified <sup>#</sup> | Passed  |
| Chloride                 | Argentometry                  | 11/14/2015        | ND                   | mg/L  | 250                                   | Passed  |
| TDS                      | Gravimetry                    | 11/17/2015        | 285                  | mg/L  | 500, <10 if purified <sup>#</sup>     | Passed  |
| Nitrate                  | Colorimetry - Cd Reduction    | 11/16/2015        | ND                   | mg/L  | 50                                    | Passed  |
| Sulfate                  | Turbidimetry                  | 11/20/2015        | 13                   | mg/L  | 250                                   | Passed  |
| Benzene                  | Qualitative                   | 11/12/2015        | ABSENCE              | mg/L  | 0.01                                  | Passed  |
| <b>METAL ANALYSIS</b>    |                               |                   |                      |       |                                       |         |
| Iron                     | AAS (MDL = 0.06 mg/L)         | 11/21/2015        | <0.06                | mg/L  | 1.00                                  | Passed  |
| Manganese                | AAS (MDL = 0.03 mg/L)         | 11/21/2015        | <0.03                | mg/L  | 0.40                                  | Passed  |
| Arsenic                  | AAS (MDL = 0.005 mg/L)        | 11/21/2015        | <0.005               | mg/L  | 0.05                                  | Passed  |
| Cadmium                  | AAS (MDL = 0.003 mg/L)        | 11/21/2015        | <0.003               | mg/L  | 0.003                                 | Passed  |
| Lead                     | AAS (MDL = 0.0019 mg/L)       | 11/21/2015        | <0.0019              | mg/L  | 0.01                                  | Passed  |

ND = Not Detected

### References:

Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 21<sup>st</sup> Edition  
GBC Scientific Analytical Methods, Flame Atomic Absorption Spectrophotometry

\* Department of Health A.O. No. 12 s. 2007 (Philippine National Standards for Drinking Water 2007)

<sup>#</sup> Bureau of Food & Drugs Amendment of A.O. No. 39 s. 1996 (Standard of Quality and Requirement for the Processing and Labeling of Bottled Drinking Water)

Analyzed and Checked By:

for:   
Anita Bautista

Analyst

Rogelio M. Calleja, Jr.

Chemist

PRC License No.: 9629

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Approved By:

Amira de Leon - Arroyo, RMT

Owner/Analyst

PRC License No.: 13881

Susana P. Quiaoit, MD, FPSP

Head of the Laboratory

PRC License No.: 64242



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E-mail : ameerdtl\_lab@yahoo.com

## PHYSICO - CHEMICAL TEST RESULT FOR DRINKING WATER

Customer's Name : **GAPAN WATER DISTRICT**  
Address : **GAPAN, NUEVA ECIJA**  
Attention :  
Sample Taken By : **ROY ABELLA**  
Date of Sampling : **November 11, 2015**  
Date Received : **November 11, 2015**  
Time of Sampling : **2:47 PM**  
Place of Sampling : **BALUARTE, NUEVA ECIJA**  
Source of Sample : **DEEPWELL**

Date Released : **December 3, 2015**

Lab. No. : **ADL - 15 - 381**

Sample I.D. : **BALUARTE PUMP STATION**

Sample Description :

**CLEAR, NO SEDIMENTS**

| Analyses                 | Method                        | Dates of Analyses | Results, as received | Units | PNSDW Limits*                         | Remarks |
|--------------------------|-------------------------------|-------------------|----------------------|-------|---------------------------------------|---------|
| <b>PHYSICAL ANALYSIS</b> |                               |                   |                      |       |                                       |         |
| Turbidity                | Turbidimeter (IDL = 0.02 NTU) | 11/12/2015        | <0.02                | NTU   | 5                                     | Passed  |
| Color, True              | Visual Comparison             | 11/12/2015        | <1                   | PCU   | 5                                     | Passed  |
| <b>CHEMICAL ANALYSIS</b> |                               |                   |                      |       |                                       |         |
| pH, Laboratory @ 25°C    | Glass Electrode               | 11/12/2015        | 8.15                 | ----- | 6.5-8.5, 5-7 if purified <sup>#</sup> | Passed  |
| Chloride                 | Argentometry                  | 11/14/2015        | 36                   | mg/L  | 250                                   | Passed  |
| TDS                      | Gravimetry                    | 11/17/2015        | 478                  | mg/L  | 500, <10 if purified <sup>#</sup>     | Passed  |
| Nitrate                  | Colorimetry - Cd Reduction    | 11/16/2015        | ND                   | mg/L  | 50                                    | Passed  |
| Sulfate                  | Turbidimetry                  | 11/20/2015        | 21                   | mg/L  | 250                                   | Passed  |
| Benzene                  | Qualitative                   | 11/12/2015        | ABSENCE              | mg/L  | 0.01                                  | Passed  |
| <b>METAL ANALYSIS</b>    |                               |                   |                      |       |                                       |         |
| Iron                     | AAS (MDL = 0.06 mg/L)         | 11/21/2015        | 0.109                | mg/L  | 1.00                                  | Passed  |
| Manganese                | AAS (MDL = 0.03 mg/L)         | 11/21/2015        | <0.03                | mg/L  | 0.40                                  | Passed  |
| Arsenic                  | AAS (MDL = 0.005 mg/L)        | 11/21/2015        | <0.005               | mg/L  | 0.05                                  | Passed  |
| Cadmium                  | AAS (MDL = 0.003 mg/L)        | 11/21/2015        | <0.003               | mg/L  | 0.003                                 | Passed  |
| Lead                     | AAS (MDL = 0.0019 mg/L)       | 11/21/2015        | <0.0019              | mg/L  | 0.01                                  | Passed  |

ND = Not Detected

### References:

Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 21<sup>st</sup> Edition  
GBC Scientific Analytical Methods, Flame Atomic Absorption Spectrophotometry

\* Department of Health A.O. No. 12 s. 2007 (Philippine National Standards for Drinking Water 2007)

" Bureau of Food & Drugs Amendment of A.O. No. 39 s. 1996 (Standard of Quality and Requirement for the Processing and Labeling of Bottled Drinking Water)

### Analyzed and Checked By:

*Anita Bautista*  
Anita Bautista  
Analyst

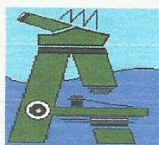
*Rogelio M. Calleja, Jr.*  
Rogelio M. Calleja, Jr.  
Chemist  
PRC License No.: 9629

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### Approved By:

*Amira de Leon - Arroyo, RMT*  
Amira de Leon - Arroyo, RMT  
Owner / Analyst  
PRC License No.: 13881

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



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E-mail: ameerdtl\_lab@yahoo.com

## PHYSICO - CHEMICAL TEST RESULT FOR DRINKING WATER

Customer's Name : **GAPAN WATER DISTRICT**  
Address : **GAPAN, NUEVA ECIJA**  
Attention :  
Sample Taken By : **ROY ABELLA**  
Date of Sampling : **November 11, 2015**  
Date Received : **November 11, 2015**  
Time of Sampling : **2:26 PM**  
Place of Sampling : **FREEDOM PARK, NUEVA ECIJA**  
Source of Sample : **DEEPWELL**

Date Released : **December 3, 2015**

Lab. No. : **ADL - 15 - 380**

Sample I.D. : **FREEDOM PARK PUMP STATION**

Sample Description :

**CLEAR, NO SEDIMENTS**

| Analyses                 | Method                        | Dates of Analyses | Results, as received | Units | PNSDW Limits*                         | Remarks |
|--------------------------|-------------------------------|-------------------|----------------------|-------|---------------------------------------|---------|
| <b>PHYSICAL ANALYSIS</b> |                               |                   |                      |       |                                       |         |
| Turbidity                | Turbidimeter (IDL = 0.02 NTU) | 11/12/2015        | <0.02                | NTU   | 5                                     | Passed  |
| Color, True              | Visual Comparison             | 11/12/2015        | <1                   | PCU   | 5                                     | Passed  |
| <b>CHEMICAL ANALYSIS</b> |                               |                   |                      |       |                                       |         |
| pH, Laboratory @ 25°C    | Glass Electrode               | 11/12/2015        | 7.85                 | ----- | 6.5-8.5, 5-7 if purified <sup>#</sup> | Passed  |
| Chloride                 | Argentometry                  | 11/14/2015        | 4.95                 | mg/L  | 250                                   | Passed  |
| TDS                      | Gravimetry                    | 11/17/2015        | 422                  | mg/L  | 500, <10 if purified <sup>#</sup>     | Passed  |
| Nitrate                  | Colorimetry - Cd Reduction    | 11/16/2015        | 2.39                 | mg/L  | 50                                    | Passed  |
| Sulfate                  | Turbidimetry                  | 11/20/2015        | 11                   | mg/L  | 250                                   | Passed  |
| Benzene                  | Qualitative                   | 11/12/2015        | ABSENCE              | mg/L  | 0.01                                  | Passed  |
| <b>METAL ANALYSIS</b>    |                               |                   |                      |       |                                       |         |
| Iron                     | AAS (MDL = 0.06 mg/L)         | 11/21/2015        | 0.074                | mg/L  | 1.00                                  | Passed  |
| Manganese                | AAS (MDL = 0.03 mg/L)         | 11/21/2015        | <0.03                | mg/L  | 0.40                                  | Passed  |
| Arsenic                  | AAS (MDL = 0.005 mg/L)        | 11/21/2015        | <0.005               | mg/L  | 0.05                                  | Passed  |
| Cadmium                  | AAS (MDL = 0.003 mg/L)        | 11/21/2015        | <0.003               | mg/L  | 0.003                                 | Passed  |
| Lead                     | AAS (MDL = 0.0019 mg/L)       | 11/21/2015        | <0.0019              | mg/L  | 0.01                                  | Passed  |

ND = Not Detected

### References:

Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 21<sup>st</sup> Edition  
GBC Scientific Analytical Methods, Flame Atomic Absorption Spectrophotometry

\* Department of Health A.O. No. 12 s. 2007 (Philippine National Standards for Drinking Water 2007)

<sup>#</sup> Bureau of Food & Drugs Amendment of A.O. No. 39 s. 1996 (Standard of Quality and Requirement for the Processing and Labeling of Bottled Drinking Water)

### Analyzed and Checked By:

for:   
Anita Bautista  
Analyst

Rogelio M. Calleja, Jr.  
Chemist  
PRC License No.: 9629

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E-mail : ameerdtl\_lab@yahoo.com

## PHYSICO - CHEMICAL TEST RESULT FOR DRINKING WATER

Customer's Name : **GAPAN WATER DISTRICT**  
Address : **GAPAN, NUEVA ECIJA**  
Attention :  
Sample Taken By : **ROY ABELLA**  
Date of Sampling : **November 11, 2015**  
Date Received : **November 11, 2015**  
Time of Sampling : **3:42 PM**  
Place of Sampling : **SAN LORENZO EAST, NUEVA ECIJA**  
Source of Sample : **DEEPWELL**

Date Released : **December 3, 2015**

Lab. No. : **ADL - 15 - 384**

Sample I.D. : **SAN LORENZO EAST  
PUMP STATION**

Sample Description :

**CLEAR, NO SEDIMENTS**

| Analyses                 | Method                        | Dates of Analyses | Results, as received | Units | PNSDW Limits*                         | Remarks |
|--------------------------|-------------------------------|-------------------|----------------------|-------|---------------------------------------|---------|
| <b>PHYSICAL ANALYSIS</b> |                               |                   |                      |       |                                       |         |
| Turbidity                | Turbidimeter (IDL = 0.02 NTU) | 11/12/2015        | <0.02                | NTU   | 5                                     | Passed  |
| Color, True              | Visual Comparison             | 11/12/2015        | <1                   | PCU   | 5                                     | Passed  |
| <b>CHEMICAL ANALYSIS</b> |                               |                   |                      |       |                                       |         |
| pH, Laboratory @ 25°C    | Glass Electrode               | 11/12/2015        | 7.98                 | ----- | 6.5-8.5, 5-7 if purified <sup>#</sup> | Passed  |
| Chloride                 | Argentometry                  | 11/14/2015        | 14                   | mg/L  | 250                                   | Passed  |
| TDS                      | Gravimetry                    | 11/17/2015        | 326                  | mg/L  | 500, <10 if purified <sup>#</sup>     | Passed  |
| Nitrate                  | Colorimetry - Cd Reduction    | 11/16/2015        | ND                   | mg/L  | 50                                    | Passed  |
| Sulfate                  | Turbidimetry                  | 11/20/2015        | 12                   | mg/L  | 250                                   | Passed  |
| Benzene                  | Qualitative                   | 11/12/2015        | ABSENCE              | mg/L  | 0.01                                  | Passed  |
| <b>METAL ANALYSIS</b>    |                               |                   |                      |       |                                       |         |
| Iron                     | AAS (MDL = 0.06 mg/L)         | 11/21/2015        | <0.06                | mg/L  | 1.00                                  | Passed  |
| Manganese                | AAS (MDL = 0.03 mg/L)         | 11/21/2015        | <0.03                | mg/L  | 0.40                                  | Passed  |
| Arsenic                  | AAS (MDL = 0.005 mg/L)        | 11/21/2015        | <0.005               | mg/L  | 0.05                                  | Passed  |
| Cadmium                  | AAS (MDL = 0.003 mg/L)        | 11/21/2015        | <0.003               | mg/L  | 0.003                                 | Passed  |
| Lead                     | AAS (MDL = 0.0019 mg/L)       | 11/21/2015        | <0.0019              | mg/L  | 0.01                                  | Passed  |

ND = Not Detected

### References:

Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 21<sup>st</sup> Edition  
GBC Scientific Analytical Methods, Flame Atomic Absorption Spectrophotometry

\* Department of Health A.O. No. 12 s. 2007 (Philippine National Standards for Drinking Water 2007)

\* Bureau of Food & Drugs Amendment of A.O. No. 39 s. 1996 (Standard of Quality and Requirement for the Processing and Labeling of Bottled Drinking Water)

### Analyzed and Checked-By:

*Anita Bantista*  
Anita Bantista  
Analyst

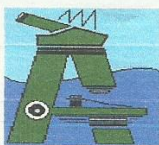
*Rogelio M. Calleja, Jr.*  
Rogelio M. Calleja, Jr.  
Chemist  
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*Susana P. Quiaoit, MD, FPSP*  
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E-mail : ameerdtl\_lab@yahoo.com

## PHYSICO - CHEMICAL TEST RESULT FOR DRINKING WATER

Customer's Name : **GAPAN WATER DISTRICT**  
Address : **GAPAN, NUEVA ECIJA**  
Attention :  
Sample Taken By : **ROY ABELLA**  
Date of Sampling : **November 11, 2015**  
Date Received : **November 11, 2015**  
Time of Sampling : **3:11 PM**  
Place of Sampling : **SAN NICOLAS, NUEVA ECIJA**  
Source of Sample : **DEEPWELL**

Date Released : **December 3, 2015**

Lab. No. : **ADL - 15 - 382**

Sample I.D. : **SAN NICOLAS PUMP STATION**

Sample Description :

**CLEAR, NO SEDIMENTS**

| Analyses                 | Method                        | Dates of Analyses | Results, as received | Units | PNSDW Limits*                         | Remarks |
|--------------------------|-------------------------------|-------------------|----------------------|-------|---------------------------------------|---------|
| <b>PHYSICAL ANALYSIS</b> |                               |                   |                      |       |                                       |         |
| Turbidity                | Turbidimeter (IDL = 0.02 NTU) | 11/12/2015        | <0.02                | NTU   | 5                                     | Passed  |
| Color, True              | Visual Comparison             | 11/12/2015        | 1                    | PCU   | 5                                     | Passed  |
| <b>CHEMICAL ANALYSIS</b> |                               |                   |                      |       |                                       |         |
| pH, Laboratory @ 25°C    | Glass Electrode               | 11/12/2015        | 7.69                 | ----- | 6.5-8.5, 5-7 if purified <sup>#</sup> | Passed  |
| Chloride                 | Argentometry                  | 11/14/2015        | 4.95                 | mg/L  | 250                                   | Passed  |
| TDS                      | Gravimetry                    | 11/17/2015        | 347                  | mg/L  | 500, <10 if purified <sup>#</sup>     | Passed  |
| Nitrate                  | Colorimetry - Cd Reduction    | 11/16/2015        | 2.79                 | mg/L  | 50                                    | Passed  |
| Sulfate                  | Turbidimetry                  | 11/20/2015        | 14                   | mg/L  | 250                                   | Passed  |
| Benzene                  | Qualitative                   | 11/12/2015        | ABSENCE              | mg/L  | 0.01                                  | Passed  |
| <b>METAL ANALYSIS</b>    |                               |                   |                      |       |                                       |         |
| Iron                     | AAS (MDL = 0.06 mg/L)         | 11/21/2015        | <0.06                | mg/L  | 1.00                                  | Passed  |
| Manganese                | AAS (MDL = 0.03 mg/L)         | 11/21/2015        | <0.03                | mg/L  | 0.40                                  | Passed  |
| Arsenic                  | AAS (MDL = 0.005 mg/L)        | 11/21/2015        | <0.005               | mg/L  | 0.05                                  | Passed  |
| Cadmium                  | AAS (MDL = 0.003 mg/L)        | 11/21/2015        | <0.003               | mg/L  | 0.003                                 | Passed  |
| Lead                     | AAS (MDL = 0.0019 mg/L)       | 11/21/2015        | <0.0019              | mg/L  | 0.01                                  | Passed  |

ND = Not Detected

### References:

Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 21<sup>st</sup> Edition  
GBC Scientific Analytical Methods, Flame Atomic Absorption Spectrophotometry

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Analyst

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## PHYSICO - CHEMICAL TEST RESULT FOR DRINKING WATER

Customer's Name : **GAPAN WATER DISTRICT**  
Address : **GAPAN, NUEVA ECIJA**  
Attention :  
Sample Taken By : **ROY ABELLA**  
Date of Sampling : **November 11, 2015**  
Date Received : **November 11, 2015**  
Time of Sampling : **1:56 PM**  
Place of Sampling : **SAN VICENTE, NUEVA ECIJA**  
Source of Sample : **DEEPWELL**

Date Released : **December 3, 2015**

Lab. No. : **ADL - 15 - 379**

Sample I.D. : **SAN VICENTE PUMP STATION**

Sample Description :

**CLEAR, NO SEDIMENTS**

| Analyses                 | Method                        | Dates of Analyses | Results, as received | Units | PNSDW Limits*                         | Remarks |
|--------------------------|-------------------------------|-------------------|----------------------|-------|---------------------------------------|---------|
| <b>PHYSICAL ANALYSIS</b> |                               |                   |                      |       |                                       |         |
| Turbidity                | Turbidimeter (IDL = 0.02 NTU) | 11/12/2015        | <0.02                | NTU   | 5                                     | Passed  |
| Color, True              | Visual Comparison             | 11/12/2015        | <1                   | PCU   | 5                                     | Passed  |
| <b>CHEMICAL ANALYSIS</b> |                               |                   |                      |       |                                       |         |
| pH, Laboratory @ 25°C    | Glass Electrode               | 11/12/2015        | 8.40                 | ----  | 6.5-8.5, 5-7 if purified <sup>#</sup> | Passed  |
| Chloride                 | Argentometry                  | 11/14/2015        | 5.94                 | mg/L  | 250                                   | Passed  |
| TDS                      | Gravimetry                    | 11/17/2015        | 366                  | mg/L  | 500, <10 if purified <sup>#</sup>     | Passed  |
| Nitrate                  | Colorimetry - Cd Reduction    | 11/16/2015        | ND                   | mg/L  | 50                                    | Passed  |
| Sulfate                  | Turbidimetry                  | 11/20/2015        | 10                   | mg/L  | 250                                   | Passed  |
| Benzene                  | Qualitative                   | 11/12/2015        | ABSENCE              | mg/L  | 0.01                                  | Passed  |
| <b>METAL ANALYSIS</b>    |                               |                   |                      |       |                                       |         |
| Iron                     | AAS (MDL = 0.06 mg/L)         | 11/21/2015        | 0.077                | mg/L  | 1.00                                  | Passed  |
| Manganese                | AAS (MDL = 0.03 mg/L)         | 11/21/2015        | <0.03                | mg/L  | 0.40                                  | Passed  |
| Arsenic                  | AAS (MDL = 0.005 mg/L)        | 11/21/2015        | <0.005               | mg/L  | 0.05                                  | Passed  |
| Cadmium                  | AAS (MDL = 0.003 mg/L)        | 11/21/2015        | <0.003               | mg/L  | 0.003                                 | Passed  |
| Lead                     | AAS (MDL = 0.0019 mg/L)       | 11/21/2015        | <0.0019              | mg/L  | 0.01                                  | Passed  |

ND = Not Detected

### References:

Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 21<sup>st</sup> Edition  
GBC Scientific Analytical Methods, Flame Atomic Absorption Spectrophotometry

\* Department of Health A.O. No. 12 s. 2007 (Philippine National Standards for Drinking Water 2007)

\* Bureau of Food & Drugs Amendment of A.O. No. 39 s. 1996 (Standard of Quality and Requirement for the Processing and Labeling of Bottled Drinking Water)

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