

Analytical Solutions & Technical Services, Iloilo Inc. Jalandoni Estate, Lapuz Iloilo City email add: astslabiloilo@yahoo.com contact no.: 033-5014269, 09173058082

TEST REPORT

Physico - Chemical Examination of Water

TR NO.: CHEM-16-0672

Name of Customer:

DUMALAG WATER DISTRICT

Address:

Dumalag, Capiz

Sample Description: Time of Sampling:

Sample Source/Location:

Clear / Without Sediment 07:00 A.M

Faucet

Date Submitted: December 28, 2016

Date Analyzed: December 29, 2016

Date Reported: January 04, 2017

1 of 1

TEST PERFORMED	METHOD	RESULTS	ACCEPTABLE VALUES	REMARKS	
Color (Apparent color)	Colometric Method	2	10 color units	PASSED	
Total dissolved solids	Gravimetric Method, dried @ 180° C	75.60	500 <10 for product that undergone osmosis / distillation process	PASSED	
Electrical Conductivity (us/cm)	Electrical Conductivity Meter	262.60			
Turbidity	Turbidimetry	0.39	5 NTU	PASSED	
рН	Glass Electrode Mthod	7.41	6.5 – 8.5 5 – 7 for product water undergone reverse osmosis	PASSED	
Chloride (mg/L)	Argentometric Method	5	250 mg/L	PASSED	
Total Hardness	Titrimetic Method	120	300 as CaCO ₃	PASSED	
Calcium (mg/L)		104	60.1		
Magnesium (mg/L)		16			
Iron (mg/L)	Phenanthroline Method	nil	1.0 mg/L	PASSED	
Nitrate (mg/L)	Spectrophotometric Method	nil	50 mg/L	PASSED	
Nitrite (mg/L)	Diazotization Method	nil	3 mg/L	PASSED	
Sulfates (mg/L)	Turbidimetric Method	3.289	250 mg/L	PASSED	
Odor	Threshold Odor Test (Sensory Evaluation Technique)	No odor detected	No objectionable odor	PASSED	

References:

Standard Methods for the Examination of Water and Waste Water 21st Edition 2005

Philippine National Standards for Drinking Water 2007

Note:

1. "Results relate to samples as received"

2. Test done is sub-contracted to NPCC-ADL (DOH ACCREDITATION #: 06-007-127LW-2)

Certified Correct:

P. SUBRADIL, RChe

Laboratory Head

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Our Company is mainly engage with Laboratory services in Microbiological and Chemical testing. We also conduct Seminar, Workshops and Training on ISO / IEC 17025 Laboratory Internal Audit, Proficiency Testing, Quality Assurance / Quality Control in Analytical Laboratory, Laboratory Test Methods Development and Validation, GLP and GMP, Measurement of Uncertainty in Chemistry and Microbiology and Equipment Calibration and Maintenance. We are also involved in organizing awareness seminars on regulations relevant to Analytical Laboratory analysis and Agro- industrial Operations as an effort to support the Philippine Industry. Our Laboratories are based in Jalandoni Estate Lapuz Iloilo and General Santos City, Philippines.





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Jalandoni Estate, Lapuz Iloilo City
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TEST REPORT

Physico - Chemical Examination of Water

TR NO.: CHEM-16-0160

Name of Customer: DUMALAG WATER DISTRICT

Address:

Dumalag, Capiz

Sample Description:

Clear / Without Sediment

Time of Sampling:

04:44 P.M

Sample Source/Location: Product/Faucet

Date Submitted: March 12, 2016

Date Analyzed: March 14, 2016 Date Reported: Marc 17, 2016

Page:

1 of 1

TEST PERFORMED	METHOD	RESULTS	ACCEPTABLE VALUES	REMARKS
Color (Apparent color)	Colometric Method	2	10 color units	PASSED
Total dissolved solids (mg/L)	Gravimetric Method, dried @ 180° C	81.40	500 <10 for product that undergone osmosis / distillation process	PASSED
Electrical Conductivity (us/cm)	Electrical Conductivity Meter	271.20		
Turbidity	Turbidimetry	1.33	5 NTU	PASSED
рН	Glass Electrode Mthod	7.25	6.5 – 8.5 5 – 7 for product water undergone reverse osmosis	PASSED
Chloride (mg/L)	Argentometric Method	19	250 mg/L	PASSED
Total Hardness	Titrimetic Method	128.13	300 as CaCO ₃	PASSED
Calcium (mg/L)	ALISTON TOOPS	120.13		
Magnesium (mg/L)	TRULL COMPANY	8.01		
Iron (mg/L)	Phenanthroline Method	nil	1.0 mg/L	PASSED
Nitrate (mg/L)	Spectrophotometric Method	nil	50 mg/L	PASSED
Nitrite (mg/L)	Diazotization Method	nil	3 mg/L	PASSED
Sulfates (mg/L)	Turbidimetric Method	4.43	250 mg/L	PASSED
Odor	Threshold Odor Test (Sensory Evaluation Technique)	No odor detected	No objectionable odor	PASSED

References:

Standard Methods for the Examination of Water and Waste Water 21st Edition 2005

Philippine National Standards for Drinking Water 2007

Note:

1. "Results relate to samples as received"

2. Test done is sub-contracted to NPCC-ADL (DOH ACCREDITATION #: 06-007-127LW-2)

Certified Correct:

HELEN P. SUBRADIL, RChe

Laboratory Head

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TEST REPORT

Bacteriological Examination of Water

TR NO.: MIC-16-078A

Name of Customer: DUMALAG WATER DISTRICT (SITIO SUHOT)

Address:

Dumalag, Capiz

Sample Description: Clear / Without Sediment

Time of Sampling: 04:40 P.M.

Sample Source/Location: Product/Faucet

Date Submitted: January 20, 2016

Date Analyzed: January 21, 2016 Date Reported: January 26, 2016

Page: 1 of 3

RESULT OF ANALYSIS

SAMPLE CODE	PARAMETERS	STANDARD SPECIFICATION PNS DW 2007	RESULT	REMARKS
MIC-16-078A	TOTAL COLIFORM (MPN / 100mL)	<1.1	<1.1	PASSED
	FECAL COLIFORM (MPN / 100mL	<1.1	<1.1	
	HPC (CFU / mL)	<500	3	

Test Method Used: Multiple Tube Fermentation, SMEWW 22nd Ed. 2012

Note: "Results relate to samples as received"

Analyzed by

ROXANNE E. JAGOLINA, RMT

Analyst

PRC Reg #: 65737

Reviewed by:

PRC Reg #: 0070389

Approved by:

. SUBRADIL, RChe

Laboratory Head PRC Reg #: 13823

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TEST REPORT

Bacteriological Examination of Water

TR NO.: MIC-16-078B

Name of Customer: DUMALAG WATER DISTRICT (BRGY. DOLORES)

Dumalag, Capiz

Sample Description: Clear / Without Sediment

Time of Sampling: 04:20 P.M.

Sample Source/Location: Product/Faucet

Date Submitted: January 20, 2016

Date Analyzed: January 21, 2016 Date Reported: January 26, 2016

Page: 2 of 3

RESULT OF ANALYSIS

SAMPLE CODE	PARAMETERS	STANDARD SPECIFICATION PNS DW 2007	RESULT	REMARKS
MIC-16-078B	(MPN / 100mL)	<1.1	<1.1	PASSED
	FECAL COLIFORM (MPN / 100mL	<1.1	<1.1	
	HPC (CFU / mL)	<500	3	

Test Method Used: Multiple Tube Fermentation, SMEWW 22nd Ed. 2012

Note: "Results relate to samples as received"

Analyzed by:

ROXANNE E. JAGOLINA, RMT

Analyst

PRC Reg #: 65737

Reviewed by:

Analyst

PRC Reg #: 0070389

Approved by:

madil HELEN P. SUBRADIL, RChe

Laboratory Head

PRC Reg #: 13823

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TEST REPORT

Bacteriological Examination of Water

TR NO.: MIC-16-078C

Name of Customer: DUMALAG WATER DISTRICT (SITIO ANGEL)

Dumalag, Capiz

Sample Description: Clear / Without Sediment

Time of Sampling: 04:30 P.M.

Sample Source/Location: Product/Faucet

Date Submitted: January 20, 2016

Date Analyzed: January 21, 2016

Date Reported: January 26, 2016

Page: 3 of 3

RESULT OF ANALYSIS

SAMPLE CODE	PARAMETERS	STANDARD SPECIFICATION PNS DW 2007	RESULT	REMARKS
MIC-16-078C	(MPN / 100mL)	<1.1	<1.1	
	FECAL COLIFORM (MPN / 100mL	<1.1	<1.1	PASSED
	HPC (CFU / mL)	<500	2	

Test Method Used: Multiple Tube Fermentation, SMEWW 22nd Ed. 2012

Note: "Results relate to samples as received"

Analyzed by:

Reviewed by:

Approved by:

ROXANNE E. JAGOLINA, RMT

Analyst

PRC Reg #: 65737

Analyst

PRC Reg #: 0070389

P. SUBRADIL, RChe

Laboratory Head PRC Reg #: 13823

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TEST REPORT

Bacteriological Examination of Water

TR NO.: MIC-16-0169A

Name of Customer: DUMALAG WATER DISTRICT (SITIO SUHOT)

Address:

Dumalag, Capiz

Sample Description: Clear / Without Sediment

Time of Sampling: 04:40 P.M.

Sample Source/Location: Product/Faucet

Date Submitted: February 10, 2016

Date Analyzed: February 10, 2016

Date Reported: February 15, 2016

Page: 1 of 3

RESULT OF ANALYSIS

SAMPLE CODE	PARAMETERS	STANDARD SPECIFICATION PNS DW 2007	RESULT	REMARKS
	(MPN / 100mL)	<1.1	<1.1	
MIC-16-0169A	FECAL COLIFORM (MPN / 100mL	<1.1	<1.1	PASSED
	HPC (CFU / mL)	<500	4	

Test Method Used: Multiple Tube Fermentation, SMEWW 22nd Ed. 2012

Note: "Results relate to samples as received"

Analyzed by:

Reviewed by:

Approved by:

ROXANNE E. JAGOLINA, RMT

Analyst

PRC Reg #: 65737

PRC Reg #: 0070389

HELEN P. SUBRADIL, RChe

Laboratory Head PRC Reg #: 13823

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TEST REPORT

Bacteriological Examination of Water

TR NO.: MIC-16-0169B

Name of Customer: DUMALAG WATER DISTRICT (BRGY. DOLORES)

Dumalag, Capiz

Sample Description: Clear / Without Sediment

Time of Sampling: 04:10 P.M.

Sample Source/Location: Product/Faucet

Date Submitted: February 10, 2016

Date Analyzed: February 10, 2016 Date Reported: February 15, 2016

2 of 3 Page:

RESULT OF ANALYSIS

SAMPLE CODE	PARAMETERS	STANDARD SPECIFICATION PNS DW 2007	RESULT	REMARKS
MIC-16-0169B	(MPN / 100mL)	<1.1	<1.1	PASSED
	FECAL COLIFORM (MPN / 100mL	<1.1	<1.1	
	HPC (CFU / mL)	<500	4	

Test Method Used: Multiple Tube Fermentation, SMEWW 22nd Ed. 2012

Note: "Results relate to samples as received"

Analyzed by:

ROXANNE E JAGOLINA. RMT

Analyst

PRC Reg #: 65737

Reviewed by:

PRC Reg #: 0070389

Approved by:

EN P. SUBRADIL, RChe

Laboratory Head

PRC Reg #: 13823

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TEST REPORT

Bacteriological Examination of Water

TR NO.: MIC-16-0169C

Name of Customer: DUMALAG WATER DISTRICT (SITIO ANGEL)

Dumalag, Capiz

Sample Description: Clear / Without Sediment

Time of Samplina: 04:40 P.M.

Sample Source/Location: Product/Faucet

Date Submitted: February 10, 2016

Date Analyzed: February 10, 2016

Date Reported: February 15, 2016

Page: 3 of 3

RESULT OF ANALYSIS

SAMPLE CODE	PARAMETERS	STANDARD SPECIFICATION PNS DW 2007	RESULT	REMARKS
	(MPN / 100mL)	<1.1	<1.1	
MIC-16-0169C	FECAL COLIFORM (MPN / 100mL	<1.1	<1.1	PASSED
	HPC (CFU / mL)	<500	2	

Test Method Used: Multiple Tube Fermentation, SMEWW 22nd Ed. 2012

Note: "Results relate to samples as received"

Analyzed by:

Reviewed by:

Approved by:

ROXANNE E. JAGOLINA, RMT

Analyst

PRC Reg #: 65737

PRC Reg #: 0070389

HELEN P. SUBRADIL, RChe

Laboratory Head PRC Reg #: 13823

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TEST REPORT

Bacteriological Examination of Water

TR NO.: MIC-16-0288C

Name of Customer: DUMALAG WATER DISTRICT (SITIO AYUYAN)

Dumalag, Capiz

Sample Description: Clear / Without Sediment

Time of Samplina: 04:40 P.M.

Sample Source/Location: Product/Faucet

Date Submitted: March 12, 2016

Date Analyzed: March 12, 2016 Date Reported: March 16, 2016

3 of 3 Page:

RESULT OF ANALYSIS

SAMPLE CODE	PARAMETERS	STANDARD SPECIFICATION PNS DW 2007	RESULT	REMARKS
	(MPN / 100mL)	<1.1	<1.1	
MIC-16-0288C	FECAL COLIFORM (MPN / 100mL	<1.1	<1.1	PASSED
	HPC (CFU / mL)	<500	2	

Test Method Used: Multiple Tube Fermentation, SMEWW 22nd Ed. 2012

Note: "Results relate to samples as received"

Analyzed by:

Reviewed by:

Approved by:

ROXANNE E. JAGOLINA, RMT

Analyst

PRC Reg #: 65737

PRC Reg #: 0070389

HELEN P. SUBRADIL, RChe Laboratory Head

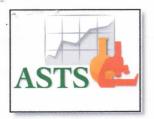
PRC Reg #: 13823

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TEST REPORT

Bacteriological Examination of Water

TR NO.: MIC-16-0288B

Name of Customer: DUMALAG WATER DISTRICT (SITIO SUHOT)

Address:

Dumalag, Capiz

Sample Description: Clear / Without Sediment

Time of Sampling: 04:10 P.M.

Sample Source/Location: Product/Faucet

Date Submitted: March 12, 2016

Date Analyzed: March 12, 2016 Date Reported: March 16, 2016

2 of 3

RESULT OF ANALYSIS

SAMPLE CODE	PARAMETERS	STANDARD SPECIFICATION PNS DW 2007	RESULT	REMARKS
	(MPN / 100mL)	<1.1	<1.1	
MIC-16-0288B	FECAL COLIFORM (MPN / 100mL	<1.1	<1.1	PASSED
	HPC (CFU / mL)	<500	2	

Test Method Used: Multiple Tube Fermentation, SMEWW 22nd Ed. 2012 Note: "Results relate to samples as received"

Analyzed by:

ROXANNE E. JAGOLINA, RMT

Analyst

PRC Reg #: 65737

Reviewed by:

PRC Reg #: 0070389

Approved by:

Laboratory Head PRC Reg #: 13823

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TEST REPORT

Bacteriological Examination of Water

TR NO.: MIC-16-0288A

Name of Customer: DUMALAG WATER DISTRICT (BRGY. DOLORES)

Dumalag, Capiz

Sample Description: Clear / Without Sediment

Time of Sampling:

04:40 P.M.

Sample Source/Location: Product/Faucet

Date Submitted: March 12, 2016

Date Analyzed: March 12, 2016 Date Reported: March 16, 2016

1 of 3 Page:

RESULT OF ANALYSIS

SAMPLE CODE	PARAMETERS	STANDARD SPECIFICATION PNS DW 2007	RESULT	REMARKS
MIC-16-0288A	(MPN / 100mL)	<1.1	<1.1	
	FECAL COLIFORM (MPN / 100mL	<1.1	<1.1	PASSED
	HPC (CFU / mL)	<500	3	

Test Method Used: Multiple Tube Fermentation, SMEWW 22nd Ed. 2012

Note: "Results relate to samples as received"

Analyzed by:

Reviewed by:

Approved by:

ROXANNE E. JAGOLINA, RMT

Analyst

PRC Reg #: 65737

Analyst PRC Reg #: 0070389 P. SUBRADIL, RChe

Laboratory Head PRC Reg #: 13823

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TEST REPORT

Bacteriological Examination of Water

TR NO.: MIC-16-0406C

Name of Customer: DUMALAG WATER DISTRICT (BRGY. DOLORES)

Dumalag, Capiz

Sample Description: Clear / Without Sediment

Time of Sampling: 05:30 A.M.

Sample Source/Location: Faucet

Date Submitted: April 09, 2016

Date Analyzed: April 09, 2016 Date Reported: April 13, 2016

Page: 3 of 3

RESULT OF ANALYSIS

SAMPLE CODE	PARAMETERS	STANDARD SPECIFICATION PNS DW 2007	RESULT	REMARKS
	(MPN / 100mL)	<1.1	<1.1	
MIC-16-0406C	FECAL COLIFORM (MPN / 100mL	<1.1	<1.1	PASSED
	HPC (CFU / mL)	<500	4	

Test Method Used: Multiple Tube Fermentation, SMEWW 22nd Ed. 2012

Note: "Results relate to samples as received"

Analyzed by:

Reviewed by:

Approved by:

ROXANNE E. JAGOLINA, RMT

Analyst

PRC Reg #: 65737

PRC Reg #: 0070389

HELEN P. SUBRADIL, RChe Laboratory Head

PRC Reg #: 13823

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TEST REPORT

Bacteriological Examination of Water

TR NO.: MIC-16-0406B

Name of Customer: DUMALAG WATER DISTRICT (SITIO AYUYAN)

Dumalag, Capiz

Sample Description: Clear / Without Sediment

Time of Sampling: 06:15 A.M.

Sample Source/Location: Faucet

Date Submitted: April 09, 2016

Date Analyzed: April 09, 2016

Date Reported: April 13, 2016

Page: 2 of 3

RESULT OF ANALYSIS

SAMPLE CODE	PARAMETERS	STANDARD SPECIFICATION PNS DW 2007	RESULT	REMARKS
MIC-16-0406B	(MPN / 100mL)	<1.1	<1.1	
	FECAL COLIFORM (MPN / 100mL	<1.1	<1.1	PASSED
	HPC (CFU / mL)	<500	2	I ASSED

Test Method Used: Multiple Tube Fermentation, SMEWW 22nd Ed. 2012

Note: "Results relate to samples as received"

Analyzed by:

Reviewed by:

Approved by:

ROXANNE E. JAGOLINA, RMT

Analyst

PRC Reg #: 65737

Analyst

PRC Reg #: 0070389

P. SUBRADIL, RChe Laboratory Head

madil

PRC Reg #: 13823

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email add: astslabiloilo@yahoo.com

TEST REPORT

Bacteriological Examination of Water

TR NO.: MIC-16-0406A

Name of Customer: DUMALAG WATER DISTRICT (SITIO SUHOT)

Dumalag, Capiz

Sample Description: Clear / Without Sediment

Time of Sampling: 06:40 A.M.

Sample Source/Location: Faucet

Date Submitted: April 09, 2016

Date Analyzed: April 09, 2016

Date Reported: April 13, 2016

Page: 1 of 3

RESULT OF ANALYSIS

SAMPLE CODE	PARAMETERS	STANDARD SPECIFICATION PNS DW 2007	RESULT	REMARKS
	(MPN / 100mL)	<1.1	<1.1	
MIC-16-0406A	FECAL COLIFORM (MPN / 100mL	<1.1	<1.1	PASSED
	HPC (CFU / mL)	<500	4	

Test Method Used: Multiple Tube Fermentation, SMEWW 22nd Ed. 2012

Note: "Results relate to samples as received"

Analyzed by:

Reviewed by:

Approved by:

ROXANNE E. JAGOLINA, RMT

Analyst

PRC Reg #: 65737

Analyst

PRC Reg #: 0070389

radil HELEN P. SUBRADIL, RChe

> Laboratory Head PRC Reg #: 13823

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TEST REPORT

Bacteriological Examination of Water

TR NO.: MIC-16-0560C

Name of Customer: DUMALAG WATER DISTRICT (SITIO ANGEL)

Address:

Dumalag, Capiz

Sample Description: Clear / Without Sediment

Time of Sampling: 05:30 A.M.

Sample Source/Location: Faucet

Date Submitted: May 13, 2016

Date Analyzed: May 13, 2016 Date Reported: May 17, 2016

Page: 3 of 3

RESULT OF ANALYSIS

SAMPLE CODE	PARAMETERS	STANDARD SPECIFICATION PNS DW 2007	RESULT	REMARKS
	(MPN / 100mL)	<1.1	<1.1	
MIC-16-0560C	FECAL COLIFORM (MPN / 100mL	<1.1	<1.1	PASSED
	HPC (CFU / mL)	<500	3	

Test Method Used: Multiple Tube Fermentation, SMEWW 22nd Ed. 2012

Note: "Results relate to samples as received"

Analyzed by:

Reviewed by:

Approved by:

Analyst

PRC Reg #: 65737

PRC Reg #: 0070389

HELEN P. SUBRADIL, RChe

Laboratory Head PRC Reg #: 13823

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email add: astslabiloilo@yahoo.com

TEST REPORT

Bacteriological Examination of Water

TR NO.: MIC-16-0792C

Name of Customer: DUMALAG WATER DISTRICT (SITIO SUHOT)

Dumalag, Capiz

Sample Description: Clear / Without Sediment

Time of Sampling: 07:40 A.M.

Sample Source/Location: Faucet

Date Submitted: July 05, 2016

Date Analyzed: July 05, 2016

Date Reported: July 09, 2016

Page: 3 of 3

RESULT OF ANALYSIS

SAMPLE CODE	PARAMETERS	STANDARD SPECIFICATION PNS DW 2007	RESULT	REMARKS
	(MPN / 100mL)	<1.1	<1.1	
MIC-16-0792C	FECAL COLIFORM (MPN / 100mL	<1.1	<1.1	PASSED
	HPC (CFU / mL)	<500	4	

Test Method Used: Multiple Tube Fermentation, SMEWW 22nd Ed. 2012

Note: "Results relate to samples as received"

Analyzed by

Reviewed by:

Approved by:

ROXANNE E. JAGOLINA, RMT

Analyst

PRC Reg #: 65737

PRC Reg #: 0070389

HELEN P. SUBRADIL, RChe Laboratory Head

PRC Reg #: 13823

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TEST REPORT

Bacteriological Examination of Water

TR NO.: MIC-16-0792B

Name of Customer: DUMALAG WATER DISTRICT (BRGY. DOLORES)

Dumalag, Capiz

Sample Description: Clear / Without Sediment

Time of Sampling: 07:40 A.M.

Sample Source/Location: Faucet

Date Submitted: July 05, 2016

Date Analyzed: July 05, 2016

Date Reported: July 09, 2016

Page: 2 of 3

RESULT OF ANALYSIS

SAMPLE CODE	PARAMETERS	STANDARD SPECIFICATION PNS DW 2007	RESULT	REMARKS
MIC-16-0792B	(MPN / 100mL)	<1.1	<1.1	PASSED
	FECAL COLIFORM (MPN / 100mL	<1.1	<1.1	
	HPC (CFU / mL)	<500	3	

Test Method Used: Multiple Tube Fermentation, SMEWW 22nd Ed. 2012

Note: "Results relate to samples as received"

Analyzed by:

Reviewed by:

Approved by:

ROXANNE E. JAGOLINA, RMT

Analyst

PRC Reg #: 65737

Our Laboratories are based in Jalandoni Estate Lapuz Iloilo and General Santos City, Philippines.

PRC Reg #: 0070389

P. SUBRADIL, RChe Laboratory Head

PRC Reg #: 13823

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email add: astslabiloilo@yahoo.com

TEST REPORT

Bacteriological Examination of Water

TR NO.: MIC-16-0792A

Name of Customer: DUMALAG WATER DISTRICT (SITIO ANGEL)

Dumalag, Capiz

Sample Description: Clear / Without Sediment

Time of Sampling: 07:40 A.M.

Sample Source/Location: Faucet

Date Submitted: July 05, 2016

Date Analyzed: July 05, 2016 Date Reported: July 09, 2016

Page: 1 of 3

RESULT OF ANALYSIS

SAMPLE CODE	PARAMETERS	STANDARD SPECIFICATION PNS DW 2007	RESULT	REMARKS
	(MPN / 100mL)	<1.1	<1.1	
MIC-16-0792A	FECAL COLIFORM (MPN / 100mL	<1.1	<1.1	PASSED
	HPC (CFU / mL)	<500	4	

Test Method Used: Multiple Tube Fermentation, SMEWW 22nd Ed. 2012

Note: "Results relate to samples as received"

Analyzed by:

Reviewed by:

Approved by:

ROXANNE E. JAGOLINA, RMT

Analyst

PRC Reg #: 65737

PRC Reg #: 0070389

HELEN P. SUBRADIL, RChe

Laboratory Head PRC Reg #: 13823

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TEST REPORT

Bacteriological Examination of Water

TR NO.: MIC-16-0961A

Name of Customer: DUMALAG WATER DISTRICT (BRGY. DOLORES)

Dumalag, Capiz

Sample Description: Clear / Without Sediment

Time of Sampling: 06:40 A.M.

Sample Source/Location: Faucet

Date Submitted: August 10, 2016

Date Analyzed: August 10, 2016 Date Reported: August 15, 2016

Page: 1 of 3

RESULT OF ANALYSIS

SAMPLE CODE	PARAMETERS	STANDARD SPECIFICATION PNS DW 2007	RESULT	REMARKS
	(MPN / 100mL)	<1.1	<1.1	
MIC-16-0961A	FECAL COLIFORM (MPN / 100mL	<1.1	<1.1	PASSED
	HPC (CFU / mL)	<500	3	

Test Method Used: Multiple Tube Fermentation, SMEWW 22nd Ed. 2012

Note: "Results relate to samples as received"

Analyzed by:

Reviewed by:

Approved by:

ROXANNE E. JAGOLINA, RMT

Analyst

PRC Reg #: 65737

PRC Reg #: 0070389

P. SUBRADIL, RChe Laboratory Head PRC Reg #: 13823

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email add: astslabiloilo@yahoo.com

TEST REPORT

Bacteriological Examination of Water

TR NO.: MIC-16-0961C

Name of Customer: DUMALAG WATER DISTRICT (SITIO ANGEL)

Dumalag, Capiz

Sample Description: Clear / Without Sediment

Time of Sampling: 07:10 A.M.

Sample Source/Location: Faucet

Date Submitted: August 10, 2016

Date Analyzed: August 10, 2016 Date Reported: August 15, 2016

Page: 3 of 3

RESULT OF ANALYSIS

SAMPLE CODE	PARAMETERS	STANDARD SPECIFICATION PNS DW 2007	RESULT	REMARKS
	(MPN / 100mL)	<1.1	<1.1	
MIC-16-0961C	FECAL COLIFORM (MPN / 100mL	<1.1	<1.1	PASSED
	HPC (CFU / mL)	<500	7	

Test Method Used: Multiple Tube Fermentation, SMEWW 22nd Ed. 2012

Note: "Results relate to samples as received"

Analyzed by:

Reviewed by:

Approved by:

ROXANNE E. JAGOLINA, RMT

Analyst

PRC Reg #: 65737

PRC Reg #: 0070389

SUBRADIL RChe

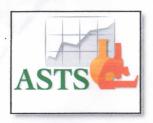
Laboratory Head PRC Reg #: 13823

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email add: astslabiloilo@yahoo.com

TEST REPORT

Bacteriological Examination of Water

TR NO.: MIC-16-0961B

Name of Customer: DUMALAG WATER DISTRICT (SITIO SUHOT)

Dumalag, Capiz

Sample Description: Clear / Without Sediment

Time of Sampling:

06:55 A.M.

Sample Source/Location: Faucet

Date Submitted: August 10, 2016

Date Analyzed: August 10, 2016 Date Reported: August 15, 2016

2 of 3 Page:

RESULT OF ANALYSIS

SAMPLE CODE	PARAMETERS	STANDARD SPECIFICATION PNS DW 2007	RESULT	REMARKS
	(MPN / 100mL)	<1.1	<1.1	
MIC-16-0961B	FECAL COLIFORM (MPN / 100mL	<1.1	<1.1	PASSED
	HPC (CFU / mL)	<500	6	

Test Method Used: Multiple Tube Fermentation, SMEWW 22nd Ed. 2012

Note: "Results relate to samples as received"

Analyzed by:

Reviewed by:

Approved by:

ROXANNE E. JAGOLINA, RMT

Analyst

PRC Reg #: 65737

PRC Reg #: 0070389

P. SUBRADIL, RChe Laboratory Head

PRC Reg #: 13823

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TEST REPORT

Bacteriological Examination of Water

TR NO.: MIC-16-01103A

Name of Customer: DUMALAG WATER DISTRICT (SITIO SUHOT BRGY. DOLORES)

Dumalag, Capiz

Sample Description: Clear / Without Sediment

Time of Samplina: 06:00 A.M.

Sample Source/Location: Faucet

Date Submitted: September 08, 2016

Date Analyzed: September 08, 2016

Date Reported: September 12, 2016

Page: 1 of 3

RESULT OF ANALYSIS

SAMPLE CODE	PARAMETERS	STANDARD SPECIFICATION PNS DW 2007	RESULT	REMARKS
	(MPN / 100mL)	<1.1	<1.1	
MIC-16-01103A	FECAL COLIFORM (MPN / 100mL	<1.1	<1.1	PASSED
	HPC (CFU / mL)	<500	6	

Test Method Used: Multiple Tube Fermentation, SMEWW 22nd Ed. 2012

Note: "Results relate to samples as received"

Analyzed by:

Reviewed by:

Approved by:

ROXANNE E. JAGOLINA, RMT

Analyst

PRC Reg #: 65737

PRC Reg #: 0070389

radil P. SUBRADIL, RChe

Laboratory Head PRC Reg #: 13823

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email add: astslabiloilo@yahoo.com

TEST REPORT

Bacteriological Examination of Water

TR NO.: MIC-16-01103B

Name of Customer: DUMALAG WATER DISTRICT (SITIO AYUYAN BRGY. SITIO ANGEL)

Address:

Dumalag, Capiz

Sample Description: Clear / Without Sediment

Time of Sampling:

06:30 A.M.

Sample Source/Location: Faucet

Date Submitted: September 08, 2016

Date Analyzed: September 08, 2016

Date Reported: September 08, 2016

Page: 2 of 3

RESULT OF ANALYSIS

SAMPLE CODE	PARAMETERS	STANDARD SPECIFICATION PNS DW 2007	RESULT	REMARKS
	(MPN / 100mL)	<1.1	<1.1	
MIC-16-01103B	FECAL COLIFORM (MPN / 100mL	<1.1	<1.1	PASSED
	HPC (CFU / mL)	<500	3	

Test Method Used: Multiple Tube Fermentation, SMEWW 22nd Ed. 2012

Note: "Results relate to samples as received"

Analyzed by:

Reviewed by:

Approved by:

Analyst

PRC Reg #: 65737

PRC Reg #: 0070389

HELEN P. SUBRADIL, RChe

Laboratory Head PRC Reg #: 13823

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email add: astslabiloilo@yahoo.com

TEST REPORT

Bacteriological Examination of Water

TR NO.: MIC-16-01103C

Name of Customer: DUMALAG WATER DISTRICT (BRGY. DOLORES)

Dumalag, Capiz

Sample Description: Clear / Without Sediment

Time of Sampling: 05:30 A.M.

Sample Source/Location: Faucet

Date Submitted: September 08, 2016

Date Analyzed: September 08, 2016 Date Reported: September 12, 2016

Page: 3 of 3

RESULT OF ANALYSIS

SAMPLE CODE	PARAMETERS	STANDARD SPECIFICATION PNS DW 2007	RESULT	REMARKS
	(MPN / 100mL)	<1.1	<1.1	
MIC-16-01103C	FECAL COLIFORM (MPN / 100mL	<1.1	<1.1	PASSED
	HPC (CFU / mL)	<500	2	

Test Method Used: Multiple Tube Fermentation, SMEWW 22nd Ed. 2012

Note: "Results relate to samples as received"

Analyzed by:

Reviewed by:

Approved by:

ROXANNE E, JAGOLINA, RMT

Analyst

PRC Reg #: 65737

PRC Reg #: 0070389

HELEN P. SUBRADIL, RChe Laboratory Head

PRC Reg #: 13823

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TEST REPORT

Bacteriological Examination of Water

TR NO.: MIC-16-01283A

Name of Customer: DUMALAG WATER DISTRICT (BRGY. DOLORES)

Dumalag, Capiz

Sample Description: Clear / Without Sediment

Time of Samplina:

06:05 A.M.

Sample Source/Location: Faucet

Date Submitted: October 14, 2016

Date Analyzed: October 14, 2016

Date Reported: October 18, 2016

Page: 1 of 3

RESULT OF ANALYSIS

SAMPLE CODE	PARAMETERS	STANDARD SPECIFICATION PNS DW 2007	RESULT	REMARKS
	(MPN / 100mL)	<1.1	<1.1	
MIC-16-01283A	FECAL COLIFORM (MPN / 100mL	<1.1	<1.1	PASSED
	HPC (CFU / mL)	<500	3	

Test Method Used: Multiple Tube Fermentation, SMEWW 22nd Ed. 2012

Note: "Results relate to samples as received"

Analyzed by:

Reviewed by:

Analyst

PRC Reg #: 65737

PRC Reg #: 0070389

Approved by:

HELEN P. SUBRADIL, RChe

Laboratory Head PRC Reg #: 13823

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TEST REPORT

Bacteriological Examination of Water

TR NO.: MIC-16-01283B

Name of Customer: DUMALAG WATER DISTRICT (SITIO SUHOT BRGY. DOLORES)

Dumalag, Capiz

Sample Description: Clear / Without Sediment

Time of Sampling:

06:11 A.M.

Sample Source/Location: Faucet

Date Submitted: October 14, 2016

Date Analyzed: October 14, 2016

Date Reported: October 18, 2016

2 of 3 Page:

RESULT OF ANALYSIS

SAMPLE CODE	PARAMETERS	STANDARD SPECIFICATION PNS DW 2007	RESULT	REMARKS
MIC-16-01283B	TOTAL COLIFORM (MPN / 100mL)	<1.1	<1.1	PASSED
	FECAL COLIFORM (MPN / 100mL	<1.1	<1.1	
	HPC (CFU / mL)	<500	4	

Test Method Used: Multiple Tube Fermentation, SMEWW 22nd Ed. 2012

Note: "Results relate to samples as received"

Analyzed by

Approved by:

ROXANNE E. JAGOLINA, RMT

Analyst

PRC Reg #: 65737

Reviewed by:

PRC Reg #: 0070389

HELEN P. SUBRADIL, RChe Laboratory Head PRC Reg #: 13823

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email add: astslabiloilo@yahoo.com

TEST REPORT

Bacteriological Examination of Water

TR NO.: MIC-16-01283C

Name of Customer: DUMALAG WATER DISTRICT (STO. ANGEL)

Dumalag, Capiz

Sample Description: Clear / Without Sediment

Time of Sampling: 06:27 A.M.

Sample Source/Location: Faucet

Date Submitted: October 14, 2016

Date Analyzed: October 14, 2016

Date Reported: October 18, 2016

3 of 3 Page:

RESULT OF ANALYSIS

SAMPLE CODE	PARAMETERS	STANDARD SPECIFICATION PNS DW 2007	RESULT	REMARKS
	TOTAL COLIFORM (MPN / 100mL)	<1.1	<1.1	
MIC-16-01283C	FECAL COLIFORM	<1.1	<1.1	PASSED
MIC-10-01203C	HPC (CFU / mL)	<500	4	

Test Method Used: Multiple Tube Fermentation, SMEWW 22nd Ed. 2012

Note: "Results relate to samples as received"

Analyzed by:

Analyst

PRC Reg #: 65737

Reviewed by:

PRC Reg #: 0070389

Approved by:

P. SUBRADIL, RChe

Laboratory Head PRC Reg #: 13823

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email add: astslabiloilo@yahoo.com

TEST REPORT

Bacteriological Examination of Water

TR NO.: MIC-16-01406A

Name of Customer: DUMALAG WATER DISTRICT (SITIO AYUYAN)

Dumalag, Capiz

Sample Description: Clear / Without Sediment

Time of Sampling: UK·UU A W

Sample Source/Location: Faucet

Date Submitted: November 10, 2016

Date Analyzed: November 10 2014 Date Reported: November 14, 2016

1 of 3 Page:

RESULT OF ANALYSIS

SAMPLE CODE	PARAMETERS	STANDARD SPECIFICATION PNS DW 2007	RESULT	REMARKS
MIC-16-01406A	(MPN / 100mL)	<1.1	<1.1	
	FECAL COLIFORM (MPN / 100mL	<1.1	<1.1	PASSED
	HPC (CFU / mL)	<500	7	

Test Method Used: Multiple Tube Fermentation, SMEWW 22nd Ed. 2012

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Analyzed by:

Reviewed by:

Approved by:

ROXANNE E. JAGOLINA, RMT

Analyst

PRC Reg #: 65737

PRC Reg #: 0070389

HELEN P. SUBRADIL, RChe

Laboratory Head PRC Reg #: 13823

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Our Company is mainly engage with Laboratory services in Microbiological and Chemical testing. We also conduct Seminar, Workshops and Training on ISO / IEC 17025 Laboratory Internal Audit, Proficiency Testing, Quality Assurance / Quality Control in Analytical Laboratory, Laboratory Test Methods Development and Validation, GLP and GMP, Measurement of Uncertainty in Chemistry and Microbiology and Equipment Calibration and Maintenance. We are also involved in organizing awareness seminars on regulations relevant to Analytical Laboratory analysis and Agro- industrial Operations as an effort to support the Philippine Industry.



Analytical Solutions & Technical Services, Iloilo Inc. DOH Accreditation Number: 06-052-14-LW-2 Jalandoni Estate, Lapuz Iloilo City email add: astslabiloilo@yahoo.com

TEST REPORT

Bacteriological Examination of Water

TR NO.: MIC-16-01406B

Name of Customer: DUMALAG WATER DISTRICT (BRGY. DOLORES)

Dumalag, Capiz

Sample Description: Clear / Without Sediment

Time of Sampling: 04:20 A M

Sample Source/Location: Faucet

Date Submitted: November 10, 2016

Date Analyzed. November 10 2014

Date Reported: November 14, 2016

Page: 2 of 3

RESULT OF ANALYSIS

SAMPLE CODE	PARAMETERS	STANDARD SPECIFICATION PNS DW 2007	RESULT	REMARKS
	(MPN / 100mL)	<1.1	<1.1	
MIC-16-01406B	FECAL COLIFORM (MPN / 100mL	<1.1	<1.1	PASSED
	HPC (CFU / mL)	<500	8	

Test Method Used: Multiple Tube Fermentation, SMEWW 22nd Ed. 2012

noie: "Resuits relate to samples as received"

Analyzed by:

Reviewed by:

Approved by:

ROXANNE L. JAGOLINA, RMT

Analyst

PRC Reg #: 65737

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HELEN P. SUBRADIL, RChe Laboratory Head

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TEST REPORT

Bacteriological Examination of Water

TR NO.: MIC-16-01406C

Name of Customer: DUMALAG WATER DISTRICT (SITIO SUHOT BRGY, DOLORES)

Dumalag, Capiz

Sample Description: Clear / Without Sediment

Time of Sampling

Sample Source/Location: Faucet

06:35 A M

Date Submitted: November 10, 2016

Date Analyzed. November 10 2014 Date Reported: November 14, 2016

Page: 3 of 3

RESULT OF ANALYSIS

SAMPLE CODE	PARAMETERS	STANDARD SPECIFICATION PNS DW 2007	RESULT	REMARKS
	(MPN / 100mL)	<1.1	<1.1	
MIC-16-01406C	FECAL COLIFORM (MPN / 100mL	<1.1	<1.1	PASSED
	HPC (CFU / mL)	<500	5	

Test Method Used: Multiple Tube Fermentation, SMEWW 22nd Ed. 2012

inoie: "Resuits relate to samples as received"

Analyzed by:

Reviewed by:

Approved by:

ROXANNE E. JAGOLINA, RMT

Analyst

PRC Reg #: 65737

PRC Reg #: 0070389

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Laboratory Head PRC Reg #: 13823

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email add: astslabiloilo@yahoo.com

TEST REPORT

Bacteriological Examination of Water

TR NO.: MIC-16-01543A

Name of Customer: DUMALAG WATER DISTRICT (BRGY. DOLORES)

Dumalag, Capiz

Sample Description: Clear / Without Sediment

Time of Samplina: 06:20 A.M.

Sample Source/Location: Faucet

Date Submitted: December 08, 2016

Date Analyzed: December 08, 2016

Date Reported: December 12, 2016

Page:

1 of 3

RESULT OF ANALYSIS

SAMPLE CODE	PARAMETERS	STANDARD SPECIFICATION PNS DW 2007	RESULT	REMARKS
	(MPN / 100mL)	<1.1	<1.1	
MIC-16-01543A	FECAL COLIFORM (MPN / 100mL	<1.1	<1.1	PASSED
	HPC (CFU / mL)	<500	5	

Test Method Used: Multiple Tube Fermentation, SMEWW 22nd Ed. 2012

Note: "Results relate to samples as received"

Analyzed by:

Reviewed by:

Approved by:

Analyst

PRC Reg #: 65737

Our Laboratories are based in Jalandoni Estate Lapuz Iloilo and General Santos City, Philippines.

PRC Reg #: 0070389

P. SUBRADIL, RChe

Laboratory Head PRC Reg #: 13823

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email add: astslabiloilo@yahoo.com

TEST REPORT

Bacteriological Examination of Water

TR NO.: MIC-16-01543B

Name of Customer: DUMALAG WATER DISTRICT (SITIO SUHOT)

Dumalag, Capiz

Sample Description: Clear / Without Sediment

Time of Sampling:

06:34 A.M.

Sample Source/Location: Faucet

Date Submitted: December 08, 2016

Date Analyzed: December 08, 2016 Date Reported: December 12, 2016

Page: 2 of 3

RESULT OF ANALYSIS

SAMPLE CODE	PARAMETERS	STANDARD SPECIFICATION PNS DW 2007	RESULT	REMARKS
	(MPN / 100mL)	<1.1	<1.1	
MIC-16-01543B	FECAL COLIFORM (MPN / 100mL	<1.1	<1.1	PASSED
	HPC (CFU / mL)	<500	6	

Test Method Used: Multiple Tube Fermentation, SMEWW 22nd Ed. 2012

Note: "Results relate to samples as received"

Analyzed by

ROXANNE E. JAGOLINA, RMT

Analyst

PRC Reg #: 65737

Reviewed by:

PRC Reg #: 0070389

Approved by:

HELEN P. SUBRADIL, RChe

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TEST REPORT

Bacteriological Examination of Water

TR NO.: MIC-16-01543C

Name of Customer: DUMALAG WATER DISTRICT (SITIO AYUYAN)

Dumalag, Capiz

Sample Description: Clear / Without Sediment

Time of Sampling: 06:45 A.M.

Sample Source/Location: Faucet

Date Submitted: December 08, 2016

Date Analyzed: December 08, 2016

Date Reported: December 12, 2016

Page: 3 of 3

RESULT OF ANALYSIS

SAMPLE CODE	PARAMETERS	STANDARD SPECIFICATION PNS DW 2007	RESULT	REMARKS
MIC-16-01543C	(MPN / 100mL)	<1.1	<1.1	PASSED
	FECAL COLIFORM (MPN / 100mL	<1.1	<1.1	
	HPC (CFU / mL)	<500	5	

Test Method Used: Multiple Tube Fermentation, SMEWW 22nd Ed. 2012

Note: "Results relate to samples as received"

Analyzed by:

Reviewed by:

Approved by:

Analyst

PRC Reg #: 65737

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PRC Reg #: 0070389

HELEN P. SUBRADIL, RChe

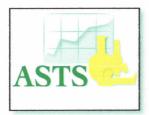
Laboratory Head PRC Reg #: 13823

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TEST REPORT

Bacteriological Examination of Water

TR NO.: MIC-17-059A

Name of Customer: DUMALAG WATER DISTRICT

Dumalag, Capiz

Sample Description: Clear / Without Sediment

Time of Sampling:

06:17 A.M.

Sample Source/Location: Faucet/ Sitio Ayuyan

Date Submitted: January 12, 2017

Date Analyzed: January 12, 2017 Date Reported: January 16, 2017

Page: 1 of 3

RESULT OF ANALYSIS

SAMPLE CODE	PARAMETERS	STANDARD SPECIFICATION PNS DW 2007	RESULT	REMARKS
MIC-17-059A	(MPN / 100mL)	<1.1	<1.1	PASSED
	FECAL COLIFORM (MPN / 100mL	<1.1	<1.1	
	HPC (CFU / mL)	<500	6	

Test Method Used: Multiple Tube Fermentation, SMEWW 22nd Ed. 2012

Note: "Results relate to samples as received"

Analyzed by:

Reviewed by:

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Approved by:

Analyst

PRC Reg #: 65737

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TEST REPORT

Bacteriological Examination of Water

TR NO.: MIC-17-059B

Name of Customer: DUMALAG WATER DISTRICT

Address:

Dumalag, Capiz

Sample Description: Clear / Without Sediment

Time of Sampling: 06:22 A.M.

Sample Source/Location: Faucet/ Brgy. Dolores

Date Submitted: January 12, 2017

Date Analyzed: January 12, 2017 Date Reported: January 16, 2017

2of 3 Page:

RESULT OF ANALYSIS

SAMPLE CODE	PARAMETERS	STANDARD SPECIFICATION PNS DW 2007	RESULT	REMARKS
MIC-17-059B	(MPN / 100mL)	<1.1	<1.1	PASSED
	FECAL COLIFORM (MPN / 100mL	<1.1	<1.1	
	HPC (CFU / mL)	<500	5	

Test Method Used: Multiple Tube Fermentation, SMEWW 22nd Ed. 2012

Note: "Results relate to samples as received"

Analyzed by:

Reviewed by:

Approved by:

Analyst

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TEST REPORT

Bacteriological Examination of Water

TR NO.: MIC-17-059C

Name of Customer: DUMALAG WATER DISTRICT

Dumalag, Capiz

Sample Description: Clear / Without Sediment

Time of Sampling: 06:35 A.M.

Sample Source/Location: Faucet/Sitio Suhot

Date Submitted: January 12, 2017

Date Analyzed: January 12, 2017 Date Reported: January 16, 2017

Page: 3 of 3

RESULT OF ANALYSIS

SAMPLE CODE	PARAMETERS	STANDARD SPECIFICATION PNS DW 2007	RESULT	REMARKS
MIC-17-059C	(MPN / 100mL)	<1.1	<1.1	
	FECAL COLIFORM (MPN / 100mL	<1.1	<1.1	PASSED
	HPC (CFU / mL)	<500	5	

Test Method Used: Multiple Tube Fermentation, SMEWW 22nd Ed. 2012

Note: "Results relate to samples as received"

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