



CRL Environmental Corporation

31 January 2017

Guimba Water District
Danzalan St. cor Faigal St.
Guimba, Nueva Ecija

ATTN: **Engr. Felixberto C. Legarda**

Project Name: N/S
Lab. Nos.: P00068659-01/06

Enclosed are the results for samples received by CRL Environmental Corporation and tested for the parameters in the enclosed chain of custody.

Our DENR Recognition with C. R. No. 023/2015, will expire on June 01, 2018.

Likewise, our DOH Accreditation with Accreditation No. 03-001-17-LW-2, is valid from January 01, 2017 until December 31, 2019.

Please note that any unused portion of the sample/s will be discarded 30 days after the date of this report, unless you have requested otherwise.

Thank you for the opportunity to service the needs of your company. Please feel free to call us at (045) 599-3943 or (02) 552-5100 if we can be of further service to you.

Very truly yours,


MARIA CARMELA Q. CAPULE
Chief Operating Officer

- **Sales Office:** Unit 609 Cityland 10 Tower 1 * 6815 H.V. dela Costa, Ayala Ave., North * Makati City, Philippines 1226
Tel: (632) 840-4071; (632) 817-5307 * Fax: (632) 816-0329 * E-mail: crl@crlabs.com * <http://www.crlabs.com>
- **Laboratory:** Bldg. 2, Berthaphil Compound 1, Berthaphil Inc. Industrial Park, Jose Abad Santos Ave., CFZ Pampanga, Philippines
Tel: (6345) 599-3943 * (6345) 499-6529 * (632) 552-5100 * Fax: (6345) 599-3963

Results of Analyses

Guimba Water District

Danzalan St. cor Faigal St.
Guimba, Nueva Ecija



SN: F00039380 003
Date Received: 01/17/2017

Project Name: N/S

Attention: Engr. Felixberto C. Legarda

Lab No.: P00068659

Test Description	Results	Units	REPORTING LIMIT	REG LIMIT	Test Methods	Date Analyzed	By	Ref
Sample No.: P00068659-01 Sample ID: SAN ROQUE P/S -Organics- <u>VOC/s</u> DateSampled: 01-17-17 06:48 Matrix: Drinking Water								
Benzene	ND	µg/L	5.0	10	EPA 8260B	01/26/17	RAWV	15
>>> end of result set for Sample No.:P00068659-01 <<<								
Sample No.: P00068659-02 Sample ID: MATURANOC P/S -Organics- <u>VOC/s</u> DateSampled: 01-17-17 06:32 Matrix: Drinking Water								
Benzene	ND	µg/L	5.0	10	EPA 8260B	01/26/17	RAWV	15
>>> end of result set for Sample No.:P00068659-02 <<<								
Sample No.: P00068659-03 Sample ID: STA. VERONICA P/S -Organics- <u>VOC/s</u> DateSampled: 01-17-17 05:30 Matrix: Drinking Water								
Benzene	ND	µg/L	5.0	10	EPA 8260B	01/26/17	RAWV	15
>>> end of result set for Sample No.:P00068659-03 <<<								
Sample No.: P00068659-04 Sample ID: BANTUG P/S -Organics- <u>VOC/s</u> DateSampled: 01-17-17 06:59 Matrix: Drinking Water								
Benzene	ND	µg/L	5.0	10	EPA 8260B	01/26/17	RAWV	15
>>> end of result set for Sample No.:P00068659-04 <<<								
Sample No.: P00068659-05 Sample ID: BACAYAO P/S -Organics- <u>VOC/s</u> DateSampled: 01-17-17 06:16 Matrix: Drinking Water								
Benzene	ND	µg/L	5.0	10	EPA 8260B	01/26/17	RAWV	15
>>> end of result set for Sample No.:P00068659-05 <<<								
Sample No.: P00068659-06 Sample ID: SAN ANDRES P/S -Organics- <u>VOC/s</u> DateSampled: 01-17-17 05:56 Matrix: Drinking Water								
Benzene	ND	µg/L	5.0	10	EPA 8260B	01/27/17	RAWV	15
>>> end of result set for Sample No.:P00068659-06 <<<								

>>> end of result set for Lab No.:P00068659; Total no. of samples analyzed: 6 <<<

N/S = Not Supplied

Results are reported "as received basis".

Page 1 of 3



CRL Environmental Corporation

■ Sales Office: Unit 609 Cityland 10 Tower 1 * 6X15 H.V. Jela Costa, Ayala Ave., North * Makati City, Philippines 1226
 Tel: (632) 840-1871; (632) 817-5307 * Fax: (632) 816-0929 * E-mail: crlab@crlabs.com * http: www.crlabs.com
 ■ Laboratory: Bldg. 7, Bernapah Compound 1, Bernapah Inc. Industrial Park,
 Jose Abad Santos Ave., CFZ Pampanga, Philippines
 Tel: (6345) 599-3943 * (6345) 499-6529 * (632) 552-5100 * Fax: (6345) 599-3965

Not Detected (Below Reporting Limits)

Test Methods for Evaluating Solid Wastes, Vol 1B, USEPA, Third Edition, December 1996

*** Regulatory Limit Reference**

¹⁵ Philippine National Standards for Drinking Water, 2007

Page 2 of 3

FT>>>>00156044>>>



**CRL Environmental
Corporation**

• **Sales Office:** Unit 609 Cityland 10 Tower 1 * 6815 H.V. dela Costa, Ayala Ave., North * Makati City, Philippines 1226
Tel: (632) 840-1071; (632) 817-8307 * Fax: (632) 816-0329 * E-mail: info@crla.com * <http://www.crla.com>
• **Laboratory:** Bldg. 7, Bernaphil Compound 1, Bernaphil Inc. Industrial Park
Jose Abad Santos Ave., CTZ Pampanga, Philippines
Tel: (6345) 599-2043 * (6345) 496-6529 * (632) 552-5100 * Fax: (6345) 599-1963

certified By:

Mary Anne G. Rodriguez

Mary Anne G. Rodriguez

PRC License No.: 10281

Chemical Testing

Date: 1/27/17

Juliana C. Oriña

Juliana C. Oriña

PRC License No.: 8774

Chemical Testing

Date: 1/27/17

Chas C. Arroyo

Chas C. Arroyo

PRC License No.: 6701

Chemical Testing

Date: 1/27/17



SN: F00039380.003

Disclaimer: This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of this Laboratory's name for advertising or publicity purpose without authorization is prohibited. This analytical report is NOT VALID without the official dry seal of CRL Environmental Corporation.



Results of Analyses

Guimba Water District

Danzalan St. cor Faigal St.
Guimba, Nueva Ecija



SN: F00039380.002

Date Received: 01/17/2017

Lab No.: P00068659

Project Name: N/S

Attention: Engr. Felixberto C. Legarda

Test Description	Results	Units	REG LIMIT	Test Methods	Date Analyzed	By	Ref
Sample No.: P00068659-01							
Sample ID: SAN ROQUE P/S							
Date Sampled: 01-17-17 06:48							
Matrix: Drinking Water							
-Metals-							
Arsenic**	0.002	mg/L	0.01	Gaseous Hydride AAS	01/25/17	MBC	15
Cadmium**	< 0.003	mg/L	0.003	Flame AAS	01/23/17	MBC	15
Iron**	< 0.05	mg/L	1.0	Flame AAS	01/17/17	PPG	15
Lead	< 0.0001	mg/L	0.01	Graphite Furnace AAS	01/18/17	PPG	15
Manganese**	< 0.01	mg/L	0.4	Flame AAS	01/19/17	PPG	15
-Wet Chemistry-							
pH**, Laboratory @ 25.2°C	7.9	-	6.5 - 8.5	Electrometric Method	01/17/17	JLTG	15
Color**	3	Apparent CU	10	Visual Comparison	01/17/17	MPT	15
Turbidity**	0.15	NTU	5	Nephelometry (Turbidimeter)	01/18/17	EMA	15
Total Dissolved Solids**	284	mg/L	500	Gravimetry (SM2540 C)	01/20/17	EMA	15
Nitrate**	1.3	mg/L	50	Cadmium Reduction Method	01/19/17	JEC	15
Chloride**	46	mg/L	250	Argentometric Method (SM4500 Cl-B)	01/21/17	EMA	15
Sulfate**	5.4	mg/L	250	Turbidimetric Method	01/18/17	MGEF	15

>>> end of result set for Sample No.: P00068659-01 <<<

Sample No.: P00068659-02							
Sample ID: MATURANOC P/S							
Date Sampled: 01-17-17 06:32							
Matrix: Drinking Water							
-Metals-							
Arsenic**	0.001	mg/L	0.01	Gaseous Hydride AAS	01/25/17	MBC	15
Cadmium**	< 0.003	mg/L	0.003	Flame AAS	01/23/17	MBC	15
Iron**	< 0.05	mg/L	1.0	Flame AAS	01/17/17	PPG	15
Lead	< 0.0001	mg/L	0.01	Graphite Furnace AAS	01/18/17	PPG	15
Manganese**	0.06	mg/L	0.4	Flame AAS	01/19/17	PPG	15
-Wet Chemistry-							
pH**, Laboratory @ 25.3°C	8.0	-	6.5 - 8.5	Electrometric Method	01/17/17	JLTG	15
Color**	3	Apparent CU	10	Visual Comparison	01/17/17	MPT	15
Turbidity**	0.40	NTU	5	Nephelometry (Turbidimeter)	01/18/17	EMA	15
Total Dissolved Solids**	278	mg/L	500	Gravimetry (SM2540 C)	01/20/17	EMA	15
Nitrate**	0.5	mg/L	50	Cadmium Reduction Method	01/19/17	JEC	15
Chloride**	5.4	mg/L	250	Argentometric Method (SM4500 Cl-B)	01/21/17	EMA	15
Sulfate**	< 5.0	mg/L	250	Turbidimetric Method	01/18/17	MGEF	15

>>> end of result set for Sample No.: P00068659-02 <<<

Sample No.: P00068659-03							
Sample ID: STA. VERONICA P/S							
Date Sampled: 01-17-17 05:30							
Matrix: Drinking Water							
-Metals-							
Arsenic**	0.001	mg/L	0.01	Gaseous Hydride AAS	01/25/17	MBC	15
Cadmium**	< 0.003	mg/L	0.003	Flame AAS	01/23/17	MBC	15
Iron**	< 0.05	mg/L	1.0	Flame AAS	01/17/17	PPG	15
Lead	< 0.0001	mg/L	0.01	Graphite Furnace AAS	01/18/17	PPG	15
Manganese**	0.03	mg/L	0.4	Flame AAS	01/19/17	PPG	15
-Wet Chemistry-							
pH**, Laboratory @ 24.9°C	7.9	-	6.5 - 8.5	Electrometric Method	01/17/17	JLTG	15
Color**	3	Apparent CU	10	Visual Comparison	01/17/17	MPT	15
Turbidity**	0.15	NTU	5	Nephelometry (Turbidimeter)	01/18/17	EMA	15
Total Dissolved Solids**	339	mg/L	500	Gravimetry (SM2540 C)	01/20/17	EMA	15
Nitrate**	0.4	mg/L	50	Cadmium Reduction Method	01/19/17	JEC	15
Chloride**	14	mg/L	250	Argentometric Method (SM4500 Cl-B)	01/21/17	EMA	15

Page 1 of 4

EN: >>> P00068659-03 <<<



CRL Environmental Corporation

■ Sales Office: Unit 609 Cityland 19 Tower 1 * 6815 H.V. dela Costa, Ayala Ave., North * Makati City, Philippines 1226
Tel: (632) 840-4071; (632) 817-5307 * Fax: (632) 816-0329 * E-mail: crl@erlabs.com * http: www.erlabs.com
■ Laboratory: Bldg. 2, Berthaphil Compound 1, Berthaphil Inc. Industrial Park
Jose Abad Santos Ave., CFZ Pampanga, Philippines
Tel: (6345) 599-3943 * (6345) 499-6529 * (632) 552-5100 * Fax: (6345) 599-3963

Test Description	Results	Units	REG LIMIT	Test Methods	Date Analyzed	By	Ref
-Wet Chemistry-							
Sulfate**	< 5.0	mg/L	250	Turbidimetric Method	01/18/17	MGEP	15

>>> end of result set for Sample No.:P00068659-03 <<<

Sample No.: P00068659-04

Date Sampled: 01-17-17 06:59

Sample ID: BANTUG P/S

Matrix: Drinking Water

-Metals-

Arsenic**	0.001	mg/L	0.01	Gaseous Hydride AAS	01/25/17	MBC	15
Cadmium**	< 0.003	mg/L	0.003	Flame AAS	01/23/17	MBC	15
Iron**	< 0.05	mg/L	1.0	Flame AAS	01/17/17	PPG	15
Lead	< 0.0001	mg/L	0.01	Graphite Furnace AAS	01/18/17	PPG	15
Manganese**	< 0.01	mg/L	0.4	Flame AAS	01/19/17	PPG	15

-Wet Chemistry-

pH**, Laboratory @ 25.1°C	8.3	-	6.5 - 8.5	Electrometric Method	01/17/17	JLTG	15
Color**	3	Apparent CU	10	Visual Comparison	01/17/17	MPT	15
Turbidity**	0.15	NTU	5	Nephelometry (Turbidimeter)	01/18/17	EMA	15
Total Dissolved Solids**	311	mg/L	500	Gravimetry (SM2540 C)	01/20/17	EMA	15
Nitrate**	0.4	mg/L	50	Cadmium Reduction Method	01/19/17	JEC	15
Chloride**	19	mg/L	250	Argentometric Method (SM4500 Cl-B)	01/21/17	EMA	15
Sulfate**	< 5.0	mg/L	250	Turbidimetric Method	01/18/17	MGEP	15

>>> end of result set for Sample No.:P00068659-04 <<<

Sample No.: P00068659-05

Date Sampled: 01-17-17 06:15

Sample ID: BACAYAO P/S

Matrix: Drinking Water

-Metals-

Arsenic**	0.001	mg/L	0.01	Gaseous Hydride AAS	01/25/17	MBC	15
Cadmium**	< 0.003	mg/L	0.003	Flame AAS	01/23/17	MBC	15
Iron**	< 0.05	mg/L	1.0	Flame AAS	01/17/17	PPG	15
Lead	< 0.0001	mg/L	0.01	Graphite Furnace AAS	01/18/17	PPG	15
Manganese**	< 0.01	mg/L	0.4	Flame AAS	01/19/17	PPG	15

-Wet Chemistry-

pH**, Laboratory @ 25.0°C	7.9	-	6.5 - 8.5	Electrometric Method	01/17/17	JLTG	15
Color**	3	Apparent CU	10	Visual Comparison	01/17/17	MPT	15
Turbidity**	0.15	NTU	5	Nephelometry (Turbidimeter)	01/18/17	EMA	15
Total Dissolved Solids**	327	mg/L	500	Gravimetry (SM2540 C)	01/20/17	EMA	15
Nitrate**	0.4	mg/L	50	Cadmium Reduction Method	01/19/17	JEC	15
Chloride**	30	mg/L	250	Argentometric Method (SM4500 Cl-B)	01/21/17	EMA	15
Sulfate**	< 5.0	mg/L	250	Turbidimetric Method	01/18/17	MGEP	15

>>> end of result set for Sample No.:P00068659-05 <<<

Sample No.: P00068659-06

Date Sampled: 01-17-17 05:56

Sample ID: SAN ANDRES P/S

Matrix: Drinking Water

-Metals-

Arsenic**	0.001	mg/L	0.01	Gaseous Hydride AAS	01/25/17	MBC	15
Cadmium**	< 0.003	mg/L	0.003	Flame AAS	01/23/17	MBC	15
Iron**	< 0.05	mg/L	1.0	Flame AAS	01/17/17	PPG	15
Lead	< 0.0001	mg/L	0.01	Graphite Furnace AAS	01/18/17	PPG	15
Manganese**	< 0.01	mg/L	0.4	Flame AAS	01/19/17	PPG	15

-Wet Chemistry-

pH**, Laboratory @ 25.1°C	8.5	-	6.5 - 8.5	Electrometric Method	01/17/17	JLTG	15
Color**	3	Apparent CU	10	Visual Comparison	01/17/17	MPT	15
Turbidity**	0.80	NTU	5	Nephelometry (Turbidimeter)	01/18/17	EMA	15
Total Dissolved Solids**	277	mg/L	500	Gravimetry (SM2540 C)	01/20/17	EMA	15
Nitrate**	0.3	mg/L	50	Cadmium Reduction Method	01/19/17	JEC	15
Chloride**	16	mg/L	250	Argentometric Method (SM4500 Cl-B)	01/21/17	EMA	15
Sulfate**	< 5.0	mg/L	250	Turbidimetric Method	01/18/17	MGEP	15

>>> end of result set for Sample No.:P00068659-06 <<<

>>> end of result set for Lab No.:P00068659; Total no. of samples analyzed: 6 <<<

N/S = Not Supplied

**PAB approved parameter/s

Results are reported "as received basis".

Page 2 of 4

EN>>>P00155950>>>



**CRL Environmental
Corporation**

■ Sales Office: Unit 609 Cityland 10 Tower 1 * 6815 H.V. dela Costa, Ayala Ave., North * Makati City, Philippines 1226
Tel: (632) 840-4071; (632) 817-5307 * Fax: (632) 816-0329 * E-mail: crl@crlabs.com * http: www.crlabs.com
■ Laboratory: Bldg. 2, Berthaphil Compound 1, Berthaphil Inc. Industrial Park
Jose Abad Santos Ave., CFZ Pampanga, Philippines
Tel: (6345) 599-3943 * (6345) 499-6529 * (632) 552-5100 * Fax: (6345) 599-3963

* Regulatory Limit Reference

Page 3 of 4

2022-2023-2024



* **Sales Office:** Unit 609 Cityland 10 Tower 1 * 6815 H.V. dela Costa Ayala Ave., North * Makati City, Philippines 1226
Tel: (632) 840-4071, (632) 817-5307 * Fax: (632) 816-0729 * E-mail: crifa@crilabs.com * <http://www.crilabs.com>
* **Laboratory:** Bldg. 2, Berthaphil Compound 1, Berthaphil Inc. Industrial Park
Jose Abad Santos Ave. CFZ Pampanga, Philippines
Tel: (6345) 599-3943 * (6345) 499-6529 * (632) 552-5160 * Fax: (6345) 599-5963

ed by:

Ronald G. Espiritu

Ronald G. Espiritu

PRC License No.: 9248

Chemical Testing

Date: 01/31/17

Juliana C. Oriña

Juliana C. Oriña

PRC License No.: 8774

Chemical Testing

Date: 1/31/17

Chas C. Arroyo

Chas C. Arroyo

PRC License No.: 6701

Chemical Testing

Date: 1/31/17



SN: F00039380.002

Disclaimer: This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of this Laboratory's name for advertising or publicity purpose without authorization is prohibited. This analytical report is NOT VALID without the official dry seal of CRL Environmental Corporation.

