



Echem ENVIRONMENTAL TESTING LABORATORY CORPORATION

Laboratory: Blk 22 Lot 6A, Golden Sun 999 Ind'l Park, Quezon Rd., San Pablo Libutad, San Simon, Pampanga
 Satellite Office: G/F ASCORP Bldg., Mc Arthur Highway, Dolores, City of San Fernando, Pampanga
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DOH Accreditation No.03-003-2628-LW-2 Valid until December 31, 2028
 DENR C.R.No. 074/2023 Valid until June 24, 2026

TEST REPORT

Client: **Manila Water Philippine Ventures, Inc.** Test Report No.: **TR-26C-407.1**
 Address: **3rd Floor, UP Town Corporate Center, Katipunan, Quezon City** Date and Time Received: **12 Mar 2026 @02:15PM**
 Contact Person: **Ms. Florisza Faustino** Sampled By: **ECHEM**
 COC Number: **2026-C0235** Report Date: **25 Mar 2026**

Sample ID: **SZ6-C12-022D** Sampling Date: **12 Mar 2026**
 Sample Description: **N6B** Sampling Time: **09:45 AM**
 Sample Matrix: **Drinking Water** Sampling Location: **Anvaya Cove, Morong, Bataan**

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Ammonia as NH ₃ -N	0.01	mg/L	---	Phenate	16 Mar 2026	KOD
Biochemical Oxygen Demand (BOD ₅)	<2	mg/L	---	5-Day BOD Test	13 Mar-18 Mar 2026	KSL
Chlorine, Residual	0.60	mg/L	0.30-1.50	Colorimetric	12 Mar 2026	MGF
Color, Apparent	<5 @pH7.48	CU	10	Visual Comparison	12 Mar 2026	SSL
Calcium as CaCO ₃	47	mg/L	---	EDTA Titrimetric	24 Mar 2026	RRM
Magnesium as MgCO ₃	2.3	mg/L	---	EDTA Titrimetric	24 Mar 2026	RRM
Nitrate as NO ₃ -N	<0.05	mg/L	50	Colorimetric, Brucine	13 Mar 2026	MCD
Odor	No Objectional Odor	---	---	Threshold Odor Test	12 Mar 2026	SSL
pH (on-site)	7.36 @28.7°C	---	6.5-8.5	Electrometric	12 Mar 2026	MGF
Sulfate	1.1	mg/L	250	Turbidimetric	13 Mar 2026	KOD
Phosphate	0.10	mg/L	---	Stannous Chloride	13 Mar 2026	SSL
Surfactants (MBAS)	<0.02	mg/L	---	Anionic Surfactants as MBAS	12 Mar 2026	KOD
Taste	No Objectional Taste	---	---	Flavor-Threshold Test	12 Mar 2026	SSL
Total Hardness as CaCO ₃	126	mg/L	300	EDTA Titrimetric	24 Mar 2026	RRM
Total Dissolved Solids (TDS)	296	mg/L	600	Gravimetric, Dried @180C	16 Mar 2026	SSL
Turbidity	<1.0	NTU	5	Colorimetric	13 Mar 2026	KOD
Arsenic	<0.004	mg/L	0.01	ICP-OES (SMEWW 3120B/USEPA 6010B)	12 Mar 2026	RRM/CSF
Cadmium	<0.001	mg/L	0.003	ICP-OES (SMEWW 3120B/USEPA 6010B)	12 Mar 2026	RRM/CSF
Iron	<0.004	mg/L	1.0	ICP-OES (SMEWW 3120B/USEPA 6010B)	12 Mar 2026	RRM/CSF
Lead	<0.005	mg/L	0.01	ICP-OES (SMEWW 3120B/USEPA 6010B)	12 Mar 2026	RRM/CSF

Sample ID: **SZ6-C12-023D** Sampling Date: **12 Mar 2026**
 Sample Description: **Reservoir 2** Sampling Time: **09:58 AM**
 Sample Matrix: **Drinking Water** Sampling Location: **Anvaya Cove, Morong, Bataan**

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Ammonia as NH ₃ -N	0.01	mg/L	---	Phenate	16 Mar 2026	KOD
Biochemical Oxygen Demand (BOD ₅)	<2	mg/L	---	5-Day BOD Test	13 Mar-18 Mar 2026	KSL
Chlorine, Residual	0.60	mg/L	0.30-1.50	Colorimetric	12 Mar 2026	MGF
Color, Apparent	<5 @pH7.43	CU	10	Visual Comparison	12 Mar 2026	SSL
Calcium as CaCO ₃	28	mg/L	---	EDTA Titrimetric	24 Mar 2026	RRM
Magnesium as MgCO ₃	16	mg/L	---	EDTA Titrimetric	24 Mar 2026	RRM
Nitrate as NO ₃ -N	<0.05	mg/L	50	Colorimetric, Brucine	13 Mar 2026	MCD
Odor	No Objectional Odor	---	---	Threshold Odor Test	12 Mar 2026	SSL
pH (on-site)	7.37 @29.9°C	---	6.5-8.5	Electrometric	12 Mar 2026	MGF
Sulfate	1.2	mg/L	250	Turbidimetric	13 Mar 2026	KOD
Phosphate	0.21	mg/L	---	Stannous Chloride	13 Mar 2026	SSL
Surfactants (MBAS)	<0.02	mg/L	---	Anionic Surfactants as MBAS	12 Mar 2026	KOD
Taste	No Objectional Taste	---	---	Flavor Threshold Test	12 Mar 2026	SSL
Total Hardness as CaCO ₃	126	mg/L	300	EDTA Titrimetric	24 Mar 2026	RRM
Total Dissolved Solids (TDS)	289	mg/L	600	Gravimetric, Dried @180C	16 Mar 2026	SSL
Turbidity	<1.0	NTU	5	Colorimetric	13 Mar 2026	KOD
Arsenic	<0.004	mg/L	0.01	ICP-OES (SMEWW 3120B/USEPA 6010B)	12 Mar 2026	RRM/CSF
Cadmium	<0.001	mg/L	0.003	ICP-OES (SMEWW 3120B/USEPA 6010B)	12 Mar 2026	RRM/CSF
Iron	<0.004	mg/L	1.0	ICP-OES (SMEWW 3120B/USEPA 6010B)	12 Mar 2026	RRM/CSF
Lead	<0.005	mg/L	0.01	ICP-OES (SMEWW 3120B/USEPA 6010B)	12 Mar 2026	RRM/CSF



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Sample ID:	S26-C12-024D	Sampling Date:	12 Mar 2026
Sample Description:	N13	Sampling Time:	10:35 AM
Sample Matrix:	Drinking Water	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Ammonia as NH ₃ -N	0.01	mg/L	---	Phenate	16 Mar 2026	KOD
Biochemical Oxygen Demand (BOD ₅)	<2	mg/L	---	5-Day BOD Test	13 Mar-18 Mar 2026	KSL
Chlorine, Residual	0.60	mg/L	0.30-1.50	Colorimetric	12 Mar 2026	MGF
Color, Apparent	<5 @pH7.42	CU	10	Visual Comparison	12 Mar 2026	SSL
Calcium as CaCO ₃	44	mg/L	---	EDTA Titrimetric	24 Mar 2026	RRM
Magnesium as MgCO ₃	4.6	mg/L	---	EDTA Titrimetric	24 Mar 2026	RRM
Nitrate as NO ₃ -N	0.07	mg/L	50	Colorimetric, Brucine	13 Mar 2026	MCD
Odor	No Objectionable Odor	---	No Objectionable	Threshold Odor Test	12 Mar 2026	SSL
pH (on-site)	7.43 @30.4°C	---	6.5-8.5	Electrometric	12 Mar 2026	MGF
Sulfate	1.2	mg/L	250	Turbidimetric	13 Mar 2026	KOD
Taste	No Objectionable Taste	---	No Objectionable Taste	Flavor Threshold Test	13 Mar 2026	SSL
Phosphate	0.10	mg/L	---	Stannous Chloride	12 Mar 2026	KOD
Surfactants (MBAS)	<0.02	mg/L	---	Anionic Surfactants as MBAS	12 Mar 2026	SSL
Total Hardness as CaCO ₃	126	mg/L	300	EDTA Titrimetric	24 Mar 2026	RRM
Total Dissolved Solids (TDS)	276	mg/L	600	Gravimetric, Dried @180C	16 Mar 2026	SSL
Turbidity	<1.0	NTU	5	Colorimetric	13 Mar 2026	KOD
Arsenic	<0.004	mg/L	0.01	ICP-OES (SMEWW 3120B/USEPA 6010B)	12 Mar 2026	RRM/CSF
Cadmium	<0.001	mg/L	0.003	ICP-OES (SMEWW 3120B/USEPA 6010B)	12 Mar 2026	RRM/CSF
Iron	0.004	mg/L	1.0	ICP-OES (SMEWW 3120B/USEPA 6010B)	12 Mar 2026	RRM/CSF
Lead	<0.005	mg/L	0.01	ICP-OES (SMEWW 3120B/USEPA 6010B)	12 Mar 2026	RRM/CSF

Notes & References:

Standard Methods for the Examination of Water and Wastewater, 24th Edition.
 DOH Administrative Order No. 2017-0010, PNSDW 2017.
 Test Methods for Evaluating Solid Wastes, Vol 1A, USEPA, Third Edition.
 ICP - OES = Inductively Coupled Plasma - Optical Emission Spectroscopy

Certified by:

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