



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
 Sales: 0942-316-2538 • 0945-798-6962 | (045) 435-2795 Email: echemenvironmental@gmail.com
 Technical: 0917-507-8753 • 0917-164-2944

DOH Accreditation No.03-010-2325-LW-2 Valid until December 31, 2025
 DENR C.R.No. 074/2023 Valid until June 24, 2026

TEST REPORT

Client: **Manila Water Philippine Ventures (MWPV)** Test Report No.: **TR-23K-103**
 Address: **3rd Floor, One Joroma Place, Congressional Avenue, Quezon City** Date and Time Received: **07 Nov 2023@04:40 PM**
 Contact Person: **Ms. Florisza I. Faustino** Sampled By: **ECHEM**
 COC Number: **2023-K0048** Report Date: **15 Nov 2023**

Sample ID: **S23-K07-050W** Sampling Date: **07 Nov 2023**
 Sample Description: **Effluent** Sampling Time: **12:30 PM**
 Sample Matrix: **Wastewater** Sampling Location: **Anvaya Cove, Morong, Bataan**

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Biochemical Oxygen Demand (BOD ₅)	3	mg/L	50	5-Day BOD Test	08 Nov-13 Nov 2023	KTD
Fecal Coliform	<1.8	MPN/100 mL	400	Multiple Tube Fermentation Technique	07 Nov 2023 @05:40PM	JFS
Surfactants (MBAS)	<0.05	mg/L	15	Anionic Surfactants as MBAS	08 Nov 2023	JLG
Ammonia as NH ₃ -N	0.008	mg/L	4.0	Phenate	09 Nov 2023	MCD
Nitrate as NO ₃ -N	1.5	mg/L	14	Colorimetric, Brucine	09 Nov 2023	CSF
Oil and Grease	3	mg/L	5	Liquid-Liquid, Partition Gravimetric	13 Nov 2023	CSF
pH (on-site)	8.51 @29.8°C	---	6.0-9.5	Electrometric	07 Nov 2023	MGF
Phosphate	0.9	mg/L	4.0	Stannous Chloride	08 Nov 2023	MCD
Temperature (on-site)	29.8	°C	3.0 ^a	Laboratory and Field Methods	07 Nov 2023	MGF

Sample ID: **S23-K07-051W** Sampling Date: **07 Nov 2023**
 Sample Description: **Influent** Sampling Time: **12:35 PM**
 Sample Matrix: **Wastewater** Sampling Location: **Anvaya Cove, Morong, Bataan**

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Biochemical Oxygen Demand (BOD ₅)	22	mg/L	---	5-Day BOD Test	08 Nov-13 Nov 2023	KTD
Fecal Coliform	3.5X10 ⁷	MPN/100 mL	---	Multiple Tube Fermentation Technique	07 Nov 2023 @05:45PM	JFS
Surfactants (MBAS)	4.6	mg/L	---	Anionic Surfactants as MBAS	08 Nov 2023	JLG
Ammonia as NH ₃ -N	12	mg/L	---	Phenate	09 Nov 2023	MCD
Nitrate as NO ₃ -N	<0.10	mg/L	---	Colorimetric, Brucine	09 Nov 2023	CSF
Oil and Grease	18	mg/L	---	Liquid-Liquid, Partition Gravimetric	13 Nov 2023	CSF
pH (on-site)	8.31 @28.9°C	---	---	Electrometric	07 Nov 2023	MGF
Phosphate	1.2	mg/L	---	Stannous Chloride	08 Nov 2023	MCD
Temperature (on-site)	28.9	°C	---	Laboratory and Field Methods	07 Nov 2023	MGF

Notes & References:

Standard Methods for the Examination of Water and Wastewater, 24th Edition.
 Water Quality Guidelines and General Effluent Standards of 2016, DENR Administrative Order No. 2016-08, Class C Effluent.
 Water Quality Guidelines and General Effluent Standards of 2021, DENR Administrative Order No. 2021-19, Class C Effluent.
 a. Temperature difference of the background value and discharge point.



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Certified by:


Anita H. Pineda, RMT
Medical Technologist, PRC No. 52546


Lovely Grace D. Montoya, RCh
Chemist, PRC No. 13651

Approved by:


May Ann M. Estavillo, RCh
QA/QC Manager, PRC No. 8652

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