



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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 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-24A-040**
 Address: **3rd Floor, One Joroma Place, Congressional Avenue, Quezon City** Date and Time Received: **02 Jan 2024 @05:00PM**
 Contact Person: **Ms. Florisza I. Faustino** Sampled By: **ECHEM**
 COC Number: **2024-A0005** Report Date: **10 Jan 2024**

Sample ID: **S24-A02-005W** Sampling Date: **02 Jan 2024**
 Sample Description: **Effluent** Sampling Time: **12:04 PM**
 Sample Matrix: **Wastewater** Sampling Location: **Anvaya Cove, Morong, Bataan**

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Fecal Coliform	<1.8	MPN/100 mL	400	Multiple Tube Fermentation Technique	02 Jan 2024 @05:50PM	JFS
Biochemical Oxygen Demand (BOD ₅)	<2	mg/L	50	5-Day BOD Test	04 Jan- 09 Jan 2024	RRM
Surfactants (MBAS)	<0.05	mg/L	15	Anionic Surfactants as MBAS	04 Jan 2024	MCD
Ammonia as NH ₃ -N	0.19	mg/L	4.0	Phenate	05 Jan 2024	TGG
Nitrate as NO ₃ -N	1.4	mg/L	14	Colorimetric, Brucine	03 Jan 2024	CSF
Oil and Grease	3	mg/L	5	Liquid-Liquid, Partition Gravimetric	08 Jan 2024	CSF
pH (on-site)	7.89 @28.7°C	---	6.0-9.5	Electrometric	02 Jan 2024	MGF
Phosphate	3.0	mg/L	4.0	Stannous Chloride	04 Jan 2024	TGG


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.

Certified by:


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

Approved by:


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


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

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 Contact Person: **Ms. Florisza I. Faustino** Sampled By: **ECHEM**
 COC Number: **2024-A0005** Report Date: **10 Jan 2024**

Sample ID: **S24-A02-006W** Sampling Date: **02 Jan 2024**
 Sample Description: **Influent** Sampling Time: **12:08 PM**
 Sample Matrix: **Wastewater** Sampling Location: **Anvaya Cove, Morong, Bataan**

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Fecal Coliform	1.6x10 ⁹	MPN/100 mL	---	Multiple Tube Fermentation Technique	02 Jan 2024 @05:55PM	JFS
Biochemical Oxygen Demand (BOD ₅)	88	mg/L	---	5-Day BOD Test	04 Jan- 09 Jan 2024	RRM
Surfactants (MBAS)	1.9	mg/L	---	Anionic Surfactants as MBAS	04 Jan 2024	MCD
Ammonia as NH ₃ -N	27	mg/L	---	Phenate	05 Jan 2024	TGG
Nitrate as NO ₃ -N	<0.05	mg/L	---	Colorimetric, Brucine	03 Jan 2024	CSF
Oil and Grease	19	mg/L	---	Liquid-Liquid, Partition Gravimetric	08 Jan 2024	CSF
pH (on-site)	7.59 @28.9°C	---	---	Electrometric	02 Jan 2024	MGF
Phosphate	2.1	mg/L	---	Stannous Chloride	04 Jan 2024	TGG

Notes & References:

Standard Methods for the Examination of Water and Wastewater, 24th Edition.

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