



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-24H-199**
 Address: **3rd Floor, One Joroma Place, Congressional Avenue, Quezon City** Date and Time Received: **06 Aug 2024 @06:40PM**
 Contact Person: **Mr. John Michael M. De Guzman** Sampled By: **ECHEM**
 COC Number: **2024-H0083** Report Date: **16 Aug 2024**


Sample ID: **S24-H06-046W** Sampling Date: **06 Aug 2024**
 Sample Description: **Effluent** Sampling Time: **12:13 PM**
 Sample Matrix: **Wastewater** Sampling Location: **Anvaya Cove, Morong, Bataan**

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Fecal Coliform	7.8	MPN/100 mL	200	Multiple Tube Fermentation Technique	06 Aug 2024 @07:20PM	JFS
Ammonia as NH ₃ -N	<0.006	mg/L	3.0	Phenate	06 Aug 2024	MMS
Biochemical Oxygen Demand (BOD ₅)	<2	mg/L	30	5-Day BOD Test	07 Aug-12 Aug 2024	TGG
Nitrate as NO ₃ -N	1.4	mg/L	20	Colorimetric, Brucine	07 Aug 2024	CSF
Oil and Grease	<1	mg/L	5	Liquid-Liquid, Partition Gravimetric	08 Aug 2024	KTD
pH (on-site)	7.31 @27.6°C	---	6.5-9.0	Electrometric	06 Aug 2024	RBS
Phosphate	0.81	mg/L	2.0	Stannous Chloride	06 Aug 2024	RRM
Surfactants (MBAS)	0.07	mg/L	3.0	Anionic Surfactants as MBAS	07 Aug 2024	MMS

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 SB Effluent.
 Water Quality Guidelines and General Effluent Standards of 2021, DENR Administrative Order No. 2021-19, Class SB Effluent.

Certified by:


Anita H. Pineda, RMT
 Chief Microbiologist, PRC No. 52546

Approved by:


Lovely Grace D. Montoya, RCh
 Laboratory Manager, PRC No. 13651


May Ann M. Estavillo, RCh
 General Manager, PRC No.8652

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COC Number: **2024-H0083** Report Date: **16 Aug 2024**


Sample ID:	S24-H06-047W	Sampling Date:	06 Aug 2024
Sample Description:	Influent	Sampling Time:	12:16 PM
Sample Matrix:	Wastewater	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Fecal Coliform	3.5X10⁷	MPN/100 mL	----	Multiple Tube Fermentation Technique	06 Aug 2024 @07:25PM	JFS
Ammonia as NH ₃ -N	1.4	mg/L	----	Phenate	06 Aug 2024	MMS
Biochemical Oxygen Demand (BOD ₅)	6	mg/L	----	5-Day BOD Test	07 Aug-12 Aug 2024	TGG
Nitrate as NO ₃ -N	0.99	mg/L	----	Colorimetric, Brucine	07 Aug 2024	CSF
Oil and Grease	3	mg/L	----	Liquid-Liquid, Partition Gravimetric	08 Aug 2024	KTD
pH (on-site)	6.69 @27.9°C	---	----	Electrometric	06 Aug 2024	RBS
Phosphate	0.83	mg/L	----	Stannous Chloride	06 Aug 2024	RRM
Surfactants (MBAS)	0.43	mg/L	----	Anionic Surfactants as MBAS	07 Aug 2024	MMS

Notes & References:

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

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