



# 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)**  
 Address: **3<sup>rd</sup> Floor, One Joroma Place, Congressional Avenue, Quezon City**  
 Contact Person: **Mr. John Michael M. De Guzman**  
 COC Number: **2024-J0049**

Test Report No.: **TR-24J-208**  
 Date and Time Received: **02 Oct 2024 @05:15PM**  
 Sampled By: **ECHEM**  
 Report Date: **14 Oct 2024**


Sample ID:	<b>S24-J02-090W</b>	Sampling Date:	<b>02 Oct 2024</b>
Sample Description:	<b>Effluent</b>	Sampling Time:	<b>10:53 AM</b>
Sample Matrix:	<b>Wastewater</b>	Sampling Location:	<b>Anvaya Cove, Morong, Bataan</b>

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Fecal Coliform	<1.8	MPN/100 mL	200	Multiple Tube Fermentation Technique	02 Oct 2024 @06:15PM	JFS
Ammonia as NH <sub>3</sub> -N	<0.006	mg/L	3.0	Phenate	07 Oct 2024	MMS
Biochemical Oxygen Demand (BOD <sub>5</sub> )	<2	mg/L	30	5-Day BOD Test	03 Oct-08 Oct 2024	TGG
Nitrate as NO <sub>3</sub> -N	18	mg/L	20	Colorimetric, Brucine	04 Oct 2024	KTD
Oil and Grease	<1	mg/L	5	Liquid-Liquid, Partition Gravimetric	08 Oct 2024	KTD
pH (on-site)	7.96 @28.1°C	---	6.5-9.0	Electrometric	02 Oct 2024	MGF
Phosphate	0.42	mg/L	2.0	Stannous Chloride	04 Oct 2024	RRM
Surfactants (MBAS)	<0.05	mg/L	3.0	Anionic Surfactants as MBAS	03 Oct 2024	MMS

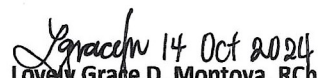
### Notes & References:

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-J0049** Report Date: **14 Oct 2024**


Sample ID:	<b>S24-J02-091W</b>	Sampling Date:	<b>02 Oct 2024</b>
Sample Description:	<b>Influent</b>	Sampling Time:	<b>10:48 AM</b>
Sample Matrix:	<b>Wastewater</b>	Sampling Location:	<b>Anvaya Cove, Morong, Bataan</b>

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Fecal Coliform	<b>3.5X10<sup>7</sup></b>	MPN/100 mL	----	Multiple Tube Fermentation Technique	02 Oct 2024 @06:20PM	JFS
Ammonia as NH <sub>3</sub> -N	<b>1.5</b>	mg/L	----	Phenate	07 Oct 2024 07 Oct 2024	MMS
Biochemical Oxygen Demand (BOD <sub>5</sub> )	<b>44</b>	mg/L	----	5-Day BOD Test	03 Oct-08 Oct 2024	TGG
Nitrate as NO <sub>3</sub> -N	<b>&lt;0.05</b>	mg/L	----	Colorimetric, Brucine	04 Oct 2024	KTD
Oil and Grease	<b>&lt;1</b>	mg/L	----	Liquid-Liquid, Partition Gravimetric	08 Oct 2024	KTD
pH (on-site)	<b>6.82 @28.5°C</b>	---	----	Electrometric	02 Oct 2024	MGF
Phosphate	<b>0.32</b>	mg/L	----	Stannous Chloride	04 Oct 2024	RRM
Surfactants (MBAS)	<b>0.26</b>	mg/L	----	Anionic Surfactants as MBAS	03 Oct 2024	MMS

### Notes & References:

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

#### Certified by:

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

#### Approved by:

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

  
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