



# Echem ENVIRONMENTAL TESTING LABORATORY CORPORATION

Laboratory: 10 Quezon Road, San Isidro, 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](mailto:echemenvironmental@gmail.com)

Technical: 0917-164-2927 • 0917-164-2944

DOH Accreditation No.03-002-21-LW-2 Valid until December 31, 2023

DENR C.R.No. 074/2021 Valid until September 28, 2024

## TEST REPORT

Client: **Manila Water Philippine Ventures (MWPV)** Test Report No.: **TR-22B-170B**  
 Address: **Level 3 2nd Phase, BPO Bldg., UP Town Corporate Center, 216 Katipunan Ave., Dilliman, Quezon City** Date and Time Received: **03 Feb 2022 @04:45PM**  
 Contact Person: **Ms. Florisza I. Faustino** Sampled By: **ECHEM**  
 COC Number: **2022-B0038** Report Date: **15 Feb 2022**

Sample ID:	<b>S22-B03-052W</b>	Sampling Date:	<b>03 Feb 2022</b>
Sample Description:	<b>Effluent</b>	Sampling Time:	<b>12:18 PM</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>&lt;1.8</b>	MPN/100 mL	400	Multiple Tube Fermentation Technique	03 Feb 2022 @05:05PM	AHP
Ammonia as NH <sub>3</sub> -N	<b>&lt;0.005</b>	mg/L	4.0	Phenate	11 Feb 2022	JSS
Biochemical Oxygen Demand (BOD <sub>5</sub> )	<b>3</b>	mg/L	50	5-Day BOD Test	04 Feb- 09 Feb 2022	RRM
Nitrate as NO <sub>3</sub> -N	<b>0.60</b>	mg/L	14	Colorimetric, Brucine	04 Feb 2022	CSF
Oil and Grease	<b>2</b>	mg/L	5	Liquid-Liquid, Partition Gravimetric	11 Feb 2022	JSS
pH (on-site)	<b>7.80 @27.8°C</b>	---	6.0-9.5	Electrometric	03 Feb 2022	MGF
Phosphate	<b>0.12</b>	mg/L	4.0	Stannous Chloride	04 Feb 2022	MCD
Surfactants (MBAS)	<b>&lt;0.005</b>	mg/L	15	Anionic Surfactants as MBAS	04 Feb 2022	JSS

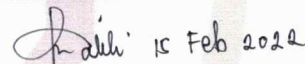
### Notes & References:

Standard Methods for the Examination of Water and Wastewater, 23rd 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

Test results written in this report are based on the samples as received by the laboratory. No alteration or modification of this test report shall be binding against Echem unless in writing and signed by a duly authorized representative of the company. This report shall not be reproduced, except in full, without the written permission from the laboratory.

Not valid without  
company seal



### TEST REPORT

Client: **Manila Water Philippine Ventures (MWPV)** Test Report No.: **TR-22B-170B**  
 Address: **Level 3 2nd Phase, BPO Bldg., UP Town Corporate Center, 216 Katipunan Ave., Diliman, Quezon City** Date and Time Received: **03 Feb 2022 @04:45PM**  
 Contact Person: **Ms. Florisza I. Faustino** Sampled By: **ECHEM**  
 COC Number: **2022-B0038** Report Date: **15 Feb 2022**

Sample ID: **S22-B03-053W** Sampling Date: **03 Feb 2022**  
 Sample Description: **Influent** Sampling Time: **12:23 PM**  
 Sample Matrix: **Wastewater** Sampling Location: **Anvaya Cove, Morong, Bataan**

Parameter	Result	Unit	Method	Date Analyzed	Analyst
Fecal Coliform	9.2x10 <sup>6</sup>	MPN/100 mL	Multiple Tube Fermentation Technique	03 Feb 2022 @05:10PM	AHP
Ammonia as NH <sub>3</sub> -N	25	mg/L	Phenate	11 Feb 2022	JSS
Biochemical Oxygen Demand (BOD <sub>5</sub> )	86	mg/L	5-Day BOD Test	04 Feb- 09 Feb 2022	RRM
Nitrate as NO <sub>3</sub> -N	<0.10	mg/L	Colorimetric, Brucine	04 Feb 2022	CSF
Oil and Grease	13	mg/L	Liquid-Liquid, Partition Gravimetric	11 Feb 2022	JSS
pH (on-site)	6.75 @27.9°C	---	Electrometric	03 Feb 2022	MGF
Phosphate	2.2	mg/L	Stannous Chloride	04 Feb 2022	MCD
Surfactants (MBAS)	3.1	mg/L	Anionic Surfactants as MBAS	04 Feb 2022	JSS

#### Notes & References:

Standard Methods for the Examination of Water and Wastewater, 23rd Edition.

#### Certified by:

*Anita H. Pineda* 15 Feb 2022  
**Anita H. Pineda, RMT**  
 Medical Technologist, PRC No. 52546

#### Approved by:

*Levy Grace D. Montoya* 15 Feb 2022  
**Levy Grace D. Montoya, RCh**  
 Chemist, PRC No. 13651

*May Ann M. Estavillo* 15 Feb 2022  
**May Ann M. Estavillo, RCh**  
 QA/QC Manager, PRC No.8652

Test results written in this report are based on the samples as received by the laboratory. No alteration or modification of this test report shall be binding against Echem unless in writing and signed by a duly authorized representative of the company. This report shall not be reproduced, except in full, without the written permission from the laboratory.

Not valid without  
company seal