



# 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-22G-349**  
Address: **Level 3, 2nd Phase, BPO Bldg., UP Town Corporate Center, 216 Katipunan Avenue, Diliman Quezon City** Date and Time Received: **12 Jul 2022 @04:45PM**  
Contact Person: **Ms. Florisza I. Faustino** Sampled By: **ECHEM**  
COC Number: **2022-G0150** Report Date: **22 Jul 2022**

Sample ID:	<b>S22-G12-064W</b>	Sampling Date:	<b>12 Jul 2022</b>
Sample Description:	<b>Effluent</b>	Sampling Time:	<b>12:04 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	<1.8	MPN/100 mL	400	Multiple Tube Fermentation Technique	12 Jul 2022 @05:05PM	AHP
Ammonia as NH <sub>3</sub> -N	<0.005	mg/L	4.0	Phenate	19 Jul 2022	KTD
Biochemical Oxygen Demand (BOD <sub>5</sub> )	<2	mg/L	50	5-Day BOD Test	14 Jul-19 Jul 2022	TGG
Nitrate as NO <sub>3</sub> -N	1.5	mg/L	14	Colorimetric, Brucine	13 Jul 2022	CSF
Oil and Grease	2	mg/L	5	Liquid-Liquid, Partition Gravimetric	19 Jul 2022	CSF
pH (on-site)	6.39 @28.2°C	---	6.0-9.5	Electrometric	12 Jul 2022	MGF
Phosphate	0.07	mg/L	4.0	Stannous Chloride	12 Jul 2022	CML
Surfactants (MBAS)	<0.05	mg/L	15	Anionic Surfactants as MBAS	13 Jul 2022	KTD

### 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



# 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: [ecchemenvironmental@gmail.com](mailto:ecchemenvironmental@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)**  
Address: Level 3, 2nd Phase, BPO Bldg., UP Town Corporate Center, 216 Katipunan Avenue, Dilliman Quezon City  
Contact Person: **Ms. Florisza I. Faustino**  
COC Number: **2022-G0150**

Test Report No.: **TR-22G-349**  
Date and Time Received: **12 Jul 2022 @04:45PM**  
Sampled By: **ECHEM**  
Report Date: **22 Jul 2022**

Sample ID:	<b>S22-G12-065W</b>	Sampling Date:	<b>12 Jul 2022</b>
Sample Description:	<b>Influent</b>	Sampling Time:	<b>12:07 PM</b>
Sample Matrix:	<b>Wastewater</b>	Sampling Location:	<b>Anvaya Cove, Morong, Bataan</b>

  

Parameter	Result	Unit	Method	Date Analyzed	Analyst
Fecal Coliform	<b>&gt;1.6x10<sup>7</sup></b>	MPN/100 mL	Multiple Tube Fermentation Technique	12 Jul 2022 @05:10PM	AHP
Ammonia as NH <sub>3</sub> -N	<b>&lt;0.005</b>	mg/L	Phenate	19 Jul 2022	KTD
Biochemical Oxygen Demand (BOD <sub>5</sub> )	<b>38</b>	mg/L	5-Day BOD Test	14 Jul-19 Jul 2022	TGG
Nitrate as NO <sub>3</sub> -N	<b>&lt;0.10</b>	mg/L	Colorimetric, Brucine	13 Jul 2022	CSF
Oil and Grease	<b>12</b>	mg/L	Liquid-Liquid, Partition Gravimetric	19 Jul 2022	CSF
pH (on-site)	<b>6.68 @28.6°C</b>	---	Electrometric	12 Jul 2022	MGF
Phosphate	<b>1.1</b>	mg/L	Stannous Chloride	12 Jul 2022	CML
Surfactants (MBAS)	<b>&lt;0.05</b>	mg/L	Anionic Surfactants as MBAS	13 Jul 2022	KTD

### Notes & References:

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

#### Certified by:

  
**Aniza H. Piñeda, 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