



# 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  
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 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-22A-221**  
 Address: **Level 3 2nd Phase, BPO Bldg., UP Town Corporate Center, 216 Katipunan Ave., Diliman, Quezon City** Date and Time Received: **10 Jan 2022 @08:15PM**  
 Contact Person: **Ms. Florisza I. Faustino** Sampled By: **ECHEM**  
 COC Number: **2022-A0153** Report Date: **21 Jan 2022**

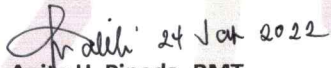
Sample ID: **S22-A10-006W** Sampling Date: **10 Jan 2022**  
 Sample Description: **Effluent** Sampling Time: **02:30 PM**  
 Sample Matrix: **Wastewater** Sampling Location: **Anvaya Cove, Morong, Bataan**

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Fecal Coliform	<1.8	MPN/100 mL	400	Multiple Tube Fermentation Technique	10 Jan 2022 @08:22PM	AHP
Ammonia as NH <sub>3</sub> -N	<0.005	mg/L	4.0	Phenate	18 Jan 2022	JSS
Biochemical Oxygen Demand (BOD <sub>5</sub> )	<2	mg/L	50	5-Day BOD Test	12 Jan-17 Jan 2022	RRM
Nitrate as NO <sub>3</sub> -N	2.1	mg/L	14	Colorimetric, Brucine	12 Jan 2022	RRM
Oil and Grease	2	mg/L	5	Liquid-Liquid, Partition Gravimetric	17 Jan 2022	JSS
pH (on-site)	7.64 @28.1°C	---	6.0-9.5	Electrometric	10 Jan 2022	MDT
Phosphate	<0.005	mg/L	4.0	Stannous Chloride	12 Jan 2022	LDM
Surfactants (MBAS)	0.23	mg/L	15	Anionic Surfactants as MBAS	12 Jan 2022	RRM

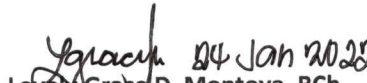
### Notes & References:

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.

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Contact Person: **Ms. Florisza I. Faustino**  
COC Number: **2022-A0153**

Test Report No.: **TR-22A-221**  
Date and Time Received: **10 Jan 2022 @08:15PM**  
Sampled By: **ECHEM**  
Report Date: **21 Jan 2022**

Sample ID: **S22-A10-005W**

Sampling Date: **10 Jan 2022**

Sample Description: **Influent**

Sampling Time: **02:34 PM**

Sample Matrix: **Wastewater**

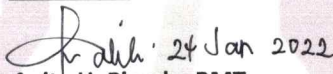
Sampling Location: **Anvaya Cove, Morong, Bataan**

Parameter	Result	Unit	Method	Date Analyzed	Analyst
Fecal Coliform	1.6x10 <sup>7</sup>	MPN/100 mL	Multiple Tube Fermentation Technique	10 Jan 2022 @08:15PM	AHP
Ammonia as NH <sub>3</sub> -N	15	mg/L	Phenate	18 Jan 2022	JSS
Biochemical Oxygen Demand (BOD <sub>5</sub> )	77	mg/L	5-Day BOD Test	12 Jan-17 Jan 2022	RRM
Nitrate as NO <sub>3</sub> -N	<0.10	mg/L	Colorimetric, Brucine	12 Jan 2022	RRM
Oil and Grease	17	mg/L	Liquid-Liquid, Partition Gravimetric	17 Jan 2022	JSS
pH (on-site)	6.99 @28.9°C	---	Electrometric	10 Jan 2022	MDT
Phosphate	1.8	mg/L	Stannous Chloride	12 Jan 2022	LDM
Surfactants (MBAS)	2.1	mg/L	Anionic Surfactants as MBAS	12 Jan 2022	RRM

### Notes & References:


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

#### Certified by:

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

#### Approved by:

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

  
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