



# 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-22C-135**  
 Address: **Level 3 2nd Phase, BPO Bldg., UP Town Corporate Center, 216 Katipunan Ave., Diliman, Quezon City** Date and Time Received: **01 Mar 2022 @04:20PM**  
 Contact Person: **Ms. Florisza I. Faustino** Sampled By: **ECHEM**  
 COC Number: **2022-C0004** Report Date: **11 Mar 2022**


Sample ID: **S22-C01-035W** Sampling Date: **01 Mar 2022**  
 Sample Description: **Effluent** Sampling Time: **11:13 AM**  
 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	01 Mar 2022 @04:35PM	AHP
Ammonia as NH <sub>3</sub> -N	<0.005	mg/L	4.0	Phenate	04 Mar 2022	JSS
Biochemical Oxygen Demand (BOD <sub>5</sub> )	<2	mg/L	50	5-Day BOD Test	03 Mar-08 Mar 2022	RRM
Nitrate as NO <sub>3</sub> -N	1.7	mg/L	14	Colorimetric, Brucine	03 Mar 2022	CSF
Oil and Grease	1	mg/L	5	Liquid-Liquid, Partition Gravimetric	07 Mar 2022	JSS
pH (on-site)	7.44 @27.9°C	---	6.0-9.5	Electrometric	01 Mar 2022	MGF
Phosphate	0.84	mg/L	4.0	Stannous Chloride	02 Mar 2022	MCD
Surfactants (MBAS)	0.08	mg/L	15	Anionic Surfactants as MBAS	02 Mar 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

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Contact Person: **Ms. Florisza I. Faustino** Sampled By: **ECHEM**  
COC Number: **2022-C0004** Report Date: **11 Mar 2022**

Sample ID:	<b>S22-C01-036W</b>	Sampling Date:	<b>01 Mar 2022</b>
Sample Description:	<b>Influent</b>	Sampling Time:	<b>11:53 AM</b>
Sample Matrix:	<b>Wastewater</b>	Sampling Location:	<b>Anvaya Cove, Morong, Bataan</b>

<u>Parameter</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<b>Fecal Coliform</b>	<b>1.6x10<sup>7</sup></b>	MPN/100 mL	Multiple Tube Fermentation Technique	01 Mar 2022 @04:41PM	AHP
<b>Ammonia as NH<sub>3</sub>-N</b>	<b>30</b>	mg/L	Phenate	04 Mar 2022	JSS
<b>Biochemical Oxygen Demand (BOD<sub>5</sub>)</b>	<b>130</b>	mg/L	5-Day BOD Test	03 Mar-08 Mar 2022	RRM
<b>Nitrate as NO<sub>3</sub>-N</b>	<b>&lt;0.10</b>	mg/L	Colorimetric, Brucine	03 Mar 2022	CSF
<b>Oil and Grease</b>	<b>13</b>	mg/L	Liquid-Liquid, Partition Gravimetric	07 Mar 2022	JSS
<b>pH (on-site)</b>	<b>6.75 @27.6°C</b>	---	Electrometric	01 Mar 2022	MGF
<b>Phosphate</b>	<b>4.7</b>	mg/L	Stannous Chloride	02 Mar 2022	MCD
<b>Surfactants (MBAS)</b>	<b>0.15</b>	mg/L	Anionic Surfactants as MBAS	02 Mar 2022	JSS

### Notes & References:

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

#### Certified by:

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

#### Approved by:

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

  
**Max/Ann M. Estavillo, RCh**  
QA/QC Manager, PRC No.8652

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