



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
 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-221-127**
 Address: **Level 3 2nd Phase, BPO Bldg., UP Town Corporate Center, 0216 Katipunan Ave., Diliman, Quezon City** Date and Time Received: **02 Sep 2022 @04:25PM**
 Contact Person: **Ms. Florisza I. Faustino** Sampled By: **ECHEM**
 COC Number: **2022-I0026** Report Date: **13 Sep 2022**

Sample ID: **S22-I02-019W** Sampling Date: **02 Sep 2022**
 Sample Description: **Effluent** Sampling Time: **10:00 AM**
 Sample Matrix: **Wastewater** Sampling Location: **Anvaya Cove, Morong, Bataan**

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Fecal Coliform	2.0	MPN/100 mL	200	Multiple Tube Fermentation Technique	02 Sep 2022 @05:33PM	AHP
Ammonia as NH ₃ -N	0.21	mg/L	3.0	Phenate	07 Sep 2022	KTD
Biochemical Oxygen Demand (BOD ₅)	<2	mg/L	30	5-Day BOD Test	02 Sep-07 Sep 2022	TGG
Nitrate as NO ₃ -N	1.8	mg/L	20	Colorimetric, Brucine	02 Sep 2022	CSF
Oil and Grease	1	mg/L	5	Liquid-Liquid, Partition Gravimetric	05 Sep 2022	CSF
pH (on-site)	7.01 @27.8°C	---	6.0-9.5	Electrometric	02 Sep 2022	MGF
Phosphate	0.44	mg/L	2.0	Stannous Chloride	02 Sep 2022	CML
Surfactants (MBAS)	0.27	mg/L	3.0	Anionic Surfactants as MBAS	02 Sep 2022	KTD

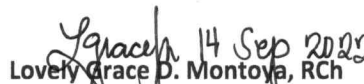
Notes & References:

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 SB Effluent.
 Water Quality Guidelines and General Effluent Standards of 2021, DENR Administrative Order No. 2021-19, Class SB Effluent.

Certified by:

Approved by:


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


 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-I0026** Report Date: **13 Sep 2022**

Sample ID:	S22-I02-020W	Sampling Date:	02 Sep 2022
Sample Description:	Influent	Sampling Time:	09:58 AM
Sample Matrix:	Wastewater	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Method	Date Analyzed	Analyst
Fecal Coliform	240,000	MPN/100 mL	Multiple Tube Fermentation Technique	02 Sep 2022 @05:38PM	AHP
Ammonia as NH ₃ -N	11	mg/L	Phenate	07 Sep 2022	KTD
Biochemical Oxygen Demand (BOD ₅)	42	mg/L	5-Day BOD Test	02 Sep-07 Sep 2022	TGG
Nitrate as NO ₃ -N	<0.10	mg/L	Colorimetric, Brucine	02 Sep 2022	CSF
Oil and Grease	11	mg/L	Liquid-Liquid, Partition Gravimetric	05 Sep 2022	CSF
pH (on-site)	7.25 @27.7°C	---	Electrometric	02 Sep 2022	MGF
Phosphate	1.9	mg/L	Stannous Chloride	02 Sep 2022	CML
Surfactants (MBAS)	1.0	mg/L	Anionic Surfactants as MBAS	02 Sep 2022	KTD

Notes & References:

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

Certified by:


Arlita H. Pineda, RMT
 Medical Technologist, PRC No. 52546

Approved by:


Lovely Grace D. Montoya, RCh
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