



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-22H-183**
 Address: **Level 3, 2nd Phase, BPO Bldg., UP Town Corporate Center, 216 Katipunan Ave., Diliman, Quezon City** Date and Time Received: **09 Aug 2022 @03:10PM**
 Contact Person: **Ms. Florisza I. Faustino** Sampled By: **ECHEM**
 COC Number: **2022-H0097** Report Date: **17 Aug 2022**

Sample ID: **S22-H09-010W** Sampling Date: **09 Aug 2022**
 Sample Description: **Effluent** Sampling Time: **10:55 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	200	Multiple Tube Fermentation Technique	09 Aug 2022 @04:25PM	AHP
Ammonia as NH ₃ -N	<0.005	mg/L	3.0	Phenate	12 Aug 2022	KTD
Biochemical Oxygen Demand (BOD ₅)	2	mg/L	30	5-Day BOD Test	10 Aug-15 Aug 2022	TGG
Nitrate as NO ₃ -N	2.1	mg/L	20	Colorimetric, Brucine	10 Aug 2022	CSF
Oil and Grease	2	mg/L	5	Liquid-Liquid, Partition Gravimetric	11 Aug 2022	CSF
pH (on-site)	8.03 @26.4°C	---	6.0-9.5	Electrometric	09 Aug 2022	MGF
Phosphate	0.18	mg/L	2.0	Stannous Chloride	10 Aug 2022	CML
Surfactants (MBAS)	<0.05	mg/L	3.0	Anionic Surfactants as MBAS	09 Aug 2022	KTD

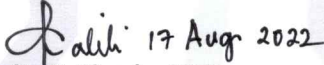
Notes & References:

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:


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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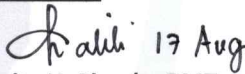
Sample ID: **S22-H09-011W** Sampling Date: **09 Aug 2022**
Sample Description: **Influent** Sampling Time: **11:00 AM**
Sample Matrix: **Wastewater** Sampling Location: **Anvaya Cove, Morong, Bataan**

Parameter	Result	Unit	Method	Date Analyzed	Analyst
Fecal Coliform	3.5x10⁶	MPN/100 mL	Multiple Tube Fermentation Technique	09 Aug 2022 @04:31PM	AHP
Ammonia as NH ₃ -N	2.4	mg/L	Phenate	12 Aug 2022	KTD
Biochemical Oxygen Demand (BOD ₅)	10	mg/L	5-Day BOD Test	10 Aug-15 Aug 2022	TGG
Nitrate as NO ₃ -N	<0.10	mg/L	Colorimetric, Brucine	10 Aug 2022	CSF
Oil and Grease	27	mg/L	Liquid-Liquid, Partition Gravimetric	11 Aug 2022	CSF
pH (on-site)	7.21 @26.9°C	---	Electrometric	09 Aug 2022	MGF
Phosphate	0.29	mg/L	Stannous Chloride	10 Aug 2022	CML
Surfactants (MBAS)	0.12	mg/L	Anionic Surfactants as MBAS	09 Aug 2022	KTD

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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