



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-22E-174**
 Address: **Level 3 2nd Phase, BPO Bldg., UP Town Corporate Center, 216 Katipunan Ave., Diliman, Quezon City** Date and Time Received: **02 May 2022 @03:30PM**
 Contact Person: **Ms. Florisza I. Faustino** Sampled By: **ECHEM**
 COC Number: **2022-E0034** Report Date: **16 May 2022**

Sample ID: **S22-E02-148W** Sampling Date: **02 May 2022**
 Sample Description: **Effluent** Sampling Time: **09:39 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	02 May 2022 @04:00PM	AHP
Ammonia as NH ₃ -N	0.008	mg/L	3.0	Phenate	06 May 2022	JSS
Biochemical Oxygen Demand (BOD ₅)	<2	mg/L	30	5-Day BOD Test	04 May-09 May 2022	RRM
Nitrate as NO ₃ -N	1.8	mg/L	20	Colorimetric, Brucine	04 May 2022	CSF
Oil and Grease	4	mg/L	5	Liquid-Liquid, Partition Gravimetric	11 May 2022	JSS
pH (on-site)	7.57 @28.9°C	---	6.0-9.5	Electrometric	02 May 2022	MGF
Phosphate	0.10	mg/L	2.0	Stannous Chloride	04 May 2022	MCD
Surfactants (MBAS)	0.11	mg/L	3.0	Anionic Surfactants as MBAS	04 May 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 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

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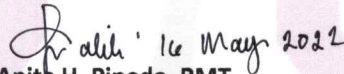
Sample ID:	S22-E02-149W	Sampling Date:	02 May 2022
Sample Description:	Influent	Sampling Time:	10:06 AM
Sample Matrix:	Wastewater	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Method	Date Analyzed	Analyst
Fecal Coliform	>1.6x10⁷	MPN/100 mL	Multiple Tube Fermentation Technique	02 May 2022 @04:06PM	AHP
Ammonia as NH ₃ -N	24	mg/L	Phenate	06 May 2022	JSS
Biochemical Oxygen Demand (BOD ₅)	154	mg/L	5-Day BOD Test	04 May-09 May 2022	RRM
Nitrate as NO ₃ -N	<0.10	mg/L	Colorimetric, Brucine	04 May 2022	CSF
Oil and Grease	14	mg/L	Liquid-Liquid, Partition Gravimetric	11 May 2022	JSS
pH (on-site)	6.74 @29.3°C	---	Electrometric	02 May 2022	MGF
Phosphate	3.3	mg/L	Stannous Chloride	04 May 2022	MCD
Surfactants (MBAS)	1.0	mg/L	Anionic Surfactants as MBAS	04 May 2022	JSS

Notes & References:


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

Certified by:


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

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