



Environmental Management Bureau
Regional Environmental Laboratory Region VIII

Brgy. Baras, Palo, Leyte

Certificate of Analysis

Department: ENVIRONMENTAL MONITORING AND ENFORCEMENT DIVISION-AMBIENT SECTION

Name/Source:	Canturing river (Priority river)		
Address/Location:	Maasin Leyte		
Sampled by:	M. Sudaria		
Date Arrived:	Feb 8, 2022 @ 2:19 PM	Date Acknowledged:	Feb 8, 2022 @ 2:20 PM
Date Reported:	Feb 14, 2022 @ 5:01 PM		

Chain of custody no.	Lab sample no.	Time of Collection	Sample type	Sample Information
2022-029	2208-080	Feb 8, 2022 @ 9:17 AM	river water	water sample placed in 250-mL acid-washed glass, 500-mL and 1000-mL PET bottle labeled "Canturing 1"
	2208-081	Feb 8, 2022 @ 9:06 AM	river water	water sample placed in 250-mL acid-washed glass, 500-mL and 1000-mL PET bottle labeled "Canturing 2"
	2208-082	Feb 8, 2022 @ 8:44 AM	river water	water sample placed in 250-mL acid-washed glass, 500-mL and 1000-mL PET bottle labeled "Canturing 3"
	2208-083	Feb 8, 2022 @ 8:22 AM	river water	water sample placed in 250-mL acid-washed glass, 500-mL and 1000-mL PET bottle labeled "Canturing 4"

Environmental conditions during analysis:

Relative humidity: 57.6%

Temperature: 24.2°C

CHARACTERISTICS:

Parameters	Date Analyzed	Lab sample no.			
		080	081	082	083
BOD, mg/L	9-Feb-22	-	0.9	1.4	0.6
TSS, mg/L	10-Feb-22	19	10	ND	4
True color, TCU	9-Feb-22	5	5	5	5
NO ₃ ⁻ as N, mg/L	9-Feb-22	0.4	0.24	0.350	0.180
PO ₄ ³⁻ as P, mg/L	9-Feb-22	0.009	0.000	0.00	0.000
Cl ⁻ , mg/L	9-Feb-22	0.05	7.30	7.22	11.71

Method used: BOD - 5-Day BOD Test

TSS - Gravimetric Method, dried @ 103-105°C

True color - Visual comparison method

Nitrate (NO₃⁻) and Chloride (Cl⁻) - Ion chromatography with Chemical Suppression of Eluent Conductivity

Phosphate (PO₄³⁻) Ascorbic acid method

Method detection limit (MDL):

BOD	0.1 mg/L
TSS	2.3 mg/L
True color	5 TCU
NO ₃ ⁻ as N, mg/L	0.0156 mg/L
Cl ⁻ , mg/L	0.089 mg/L

Reference: Standard Methods for the Examination of Water and Wastewater, 23rd ed., 2017, AHA, AWWA, WEF

Remarks
1. This certificate of analysis is based on the sample as received by this office.
2. This certificate of analysis shall not be reproduced in full, without written approval from issuing laboratory.
3. ND : "not detected", < MDL

Analyzed by:

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Certified by:

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MANUEL J. SACEDA JR.
OIC - Chief EMED

Noted by:

REYNALDO B. BARRA
OIC - Regional Director