

	<b>Environmental Management Bureau</b> <b>Regional Environmental Laboratory Region VIII</b> Brgy. Baras, Palo, Leyte
	<b>Certificate of Analysis</b>
	Department: ENVIRONMENTAL MONITORING AND ENFORCEMENT DIVISION-AMBIENT SECTION

Name/Source:	Canturing River (Priority River)		
Address/Location:	Maasin, Leyte		
Sampled by:	M. Sudaria and JV Hijada		
Date Arrived:	Mar 2, 2022 @ 2:40 PM	Date Acknowledged:	Mar 2, 2022 @ 2:41 PM
Date Reported:	Mar 7, 2022 @ 10:35 AM		

Chain of custody no.	Lab sample no.	Time of Collection	Sample type	Sample Information
2022-073	2208-237	Mar 2, 2022 @ 10:50 AM	River water	water sample placed in 250-mL acid-washed glass, 500-mL and 1000-mL plastic bottle labeled "Canturing 1"
	2208-238	Mar 2, 2022 @ 11:00 AM	river water	water sample placed in 250-mL acid-washed glass, 500-mL and 1000-mL plastic bottle labeled "Canturing 2"
	2208-239	Mar 2, 2022 @ 11:20 AM	river water	water sample placed in 250-mL acid-washed glass, 500-mL and 1000-mL plastic bottle labeled "Canturing 3"
	2208-240	Mar 2, 2022 @ 11:35 AM	river water	water sample placed in 250-mL acid-washed glass, 500-mL and 1000-mL plastic bottle labeled "Canturing 4"

Environmental conditions during analysis:

Relative humidity: 44.6%

Temperature: 21.1°C

**CHARACTERISTICS:**

Parameters	Date Analyzed	Lab sample no.			
		237	238	239	240
BOD, mg/L	2-Mar-22	-	2.8	1.4	1.3
True Color, TCU	3-Mar-22	5	5	5	5
TSS, mg/L	3-Mar-22	31	33	32	30
NO <sub>3</sub> <sup>-</sup> as N, mg/L	2-Mar-22	0.61	0.59	0.56	0.45
PO <sub>4</sub> <sup>3-</sup> as P, mg/L	2-Mar-22	0.055	0.070	0.050	0.028
Cl <sup>-</sup> , mg/L	2-Mar-22	34.07	7.82	6.86	7.45

Method used: BOD - 5-Day BOD Test

True color - Visual comparison method

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

Nitrate (NO<sub>3</sub><sup>-</sup>) and Chloride (Cl<sup>-</sup>) - Ion chromatography with Chemical Suppression of Eluent Conductivity

Phosphate (PO<sub>4</sub><sup>3-</sup>) Ascorbic acid method

Method detection limit (MDL):


BOD 0.1 mg/L  
 True color 5 TCU  
 TSS 2.3 mg/L  
 NO<sub>3</sub><sup>-</sup> as N, mg/L 0.0156 mg/L  
 Cl<sup>-</sup>, mg/L 0.089 mg/L


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

Remarks:

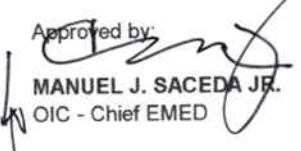
1. This certificate of analysis is based on the sample as received by this office.
2. This certificate of analysis shall not be reproduced in full, without written approval from issuing laboratory.
3. ND : "not detected", < MDL

Analyzed by:

  
**SHEREY MAE U BALAGAO, RCh**  
 Laboratory Analyst, Chemistry  
 Reg. No. 0013722

  
**ARIEL B. SEVILLEN, RChT**  
 Laboratory analyst, Chemistry  
 Reg. No. 0003055

Approved by:

  
**MANUEL J. SACEDA JR.**  
 OIC - Chief EMED

Certified by:

  
**APRILYN R. DANAS, RCh**  
 Laboratory manager  
 Reg. No. 0011659

Noted by:

  
**REYNALDO B. BARRA**  
 OIC - Regional Director

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Laboratory  
 Sampler  
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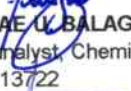
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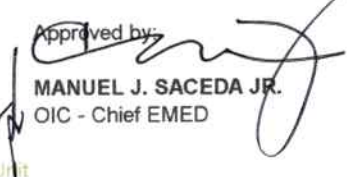
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 Reg. No. 0003055

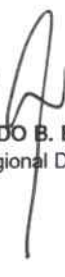
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