

	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:	Bao river (Priority river)		
Address/Location:	Kananga, Leyte		
Sampled by:	M Sudaria & JV Hijada		
Date Arrived:	Dec 6, 2021 @ 1:50 PM	Date Acknowledged:	Dec 6, 2021 @ 1:55 PM
Date Reported:	Dec 14, 2021 @ 12:04 PM		

Chain of custody no.	Lab sample no.	Time of Collection	Sample type	Sample Information
2021-419	2108-1234	December 7, 2021 @ 10:40 AM	river water	water sample placed in 500-mL plastic bottle labeled "Bao 1"
	2108-1235	December 7, 2021 @ 10:51 AM	river water	water sample placed in 500-mL plastic bottle labeled "Bao 2"
	2108-1236	December 7, 2021 @ 9:54 AM	river water	water sample placed in 500-mL plastic bottle labeled "Bao 3"

Environmental conditions during analysis:

Relative humidity: 48.0%

Temperature: 22.1°C

CHARACTERISTICS:

Parameters	Date analysed	Lab sample no.		
		1234	1235	1236
BOD, mg/L	7-Dec-21	5.4	6.7	1.0
TSS, mg/L	10-Dec-21	32	9	nd
True color, TCU	7-Dec-21	5	5	5
Temperature, °C	7-Dec-21	24	24.2	23.5
DO, mg/L	7-Dec-21	5.2	5.17	5.17

Method used: BOD - 5-Day BOD Test
TSS - Gravimetric Method, dried @ 103-105 °C
True color - Visual comparison method
Temperature-Electromertic method
DO - Electrode method

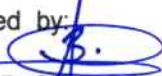
Method detection limit (MDL):

BOD 0.2 mg/L
TSS 2.3 mg/L
True color 5 TCU


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

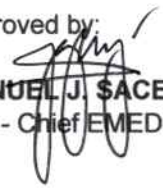
Analyzed by:


ARIEL B. SEVILLEN, RChT
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ANGELICA JOY G. YU, RCh
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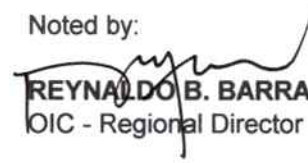
Approved by:


MANUEL J. SACEDA JR.
OIC - Chief EMED

Analyzed and Certified by:


APRILYN R. DAÑAS, RCh
Laboratory Manager
Reg. No. 0011659

Noted by:


REYNALDO B. BARRA
OIC - Regional Director

Laboratory Unit
Email: embr8lab@yahoo.com

cc Laboratory
Sampler
Records Unit

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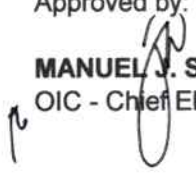
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