

	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 rivers)		
Address/Location:	Kananga, Leyte		
Sampled by:	M. Sudaria & JV Hijada		
Date Arrived:	Mar 1, 2022 @ 1:35 PM	Date Acknowledged:	Mar 1, 2022 @ 1:50 PM
Date Reported:	Mar 7, 2022 @ 10:30 AM		

Chain of custody no.	Lab sample no.	Time of Collection	Sample type	Sample Information
2022-067	2208-224	Mar 1, 2022 @ 9:45 AM	river water	water sample placed in 300-mL acid-washed glass, 500-mL and 1000-mL PET bottle labeled "Bao 1"
	2208-225	Mar 1, 2022 @ 10:01 AM	river water	water sample placed in 300-mL acid-washed glass, 500-mL and 1000-mL PET bottle labeled "Bao 2"
	2208-226	Mar 1, 2022 @ 9:06 AM	river water	water sample placed in 300-mL acid-washed glass, 500-mL and 1000-mL PET bottle labeled "Bao 3"

Environmental conditions during analysis:

Relative humidity: 52.3%

Temperature: 22.3°C

CHARACTERISTICS:

Parameters	Date Analyzed	Lab sample no.		
		224	225	226
BOD, mg/L	2-Mar-22	1	0.2	ND
TSS, mg/L	2-Mar-22	15	11	ND
NO ₃ ⁻ as N, mg/L	1-Mar-22	0.17	0.16	0.07
PO ₄ ³⁻ as P, mg/L	1-Mar-22	0.000	0.000	0.000
Cl ⁻ , mg/L	1-Mar-22	6.75	6.81	2.70

Method used: BOD - 5-Day BOD Test

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

Nitrate (NO₃⁻) and Chloride (Cl⁻) - Ion chromatography with Chemical Suppression of Eluent ConductivityPhosphate (PO₄³⁻) Ascorbic acid method

Method detection limit (MDL):

BOD	0.1 mg/L
TSS	2.3 mg/L
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:

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



Regional Environment





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