

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
	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-water 500-mL and 1000-mL PET bottle labele	
	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:

D	Data Analyzad	Lab sample no.		
Parameters	Date Analyzed	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
PO43 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 (NO 3") 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
NO 3 as N, mg/L 0.0156 mg/L
CF , 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. 0018722

Certified by:

APRILYN R. DAÑAS, RCh

Laboratory manager Reg. No. 0011659

ARIEL B. SEVILLENO, RChT Laboratory analyst, Chemistry

Reg. No. 0003055

Noted by:

REYNALDO B. BARRA OIC - Regional Director

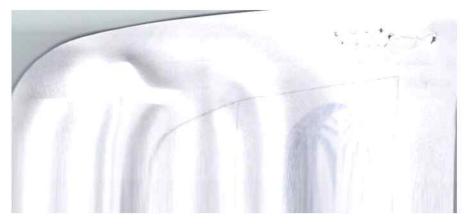
MANUEL J. SACEDAJR.

OIC - Chief EMED

Laboratory Unit Email. embr8lab@yahoo.com cc

Laboratory Sampler Records Unit







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Analyzed by:

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ARIEL B. SÉVILLENO, RChT Laboratory analyst, Chemistry

Reg. No. 0003055

MANUEL J. SACEDA/JR.

MOIC - Chief EMED

Certified by

APRILYN A. 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