

	Environmental Management Bureau
	<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:	Ormoc WQMA		
Address/Location:	Ormoc, Leyte		
Sampled by:	S Panis		
Date Arrived:	Feb 17, 2022 @ 6:15 PM	Date Acknowledged:	Feb 18, 2022 @ 7:55 AM
Date Reported:	Feb 21, 2022 @ 2:22 PM		

Chain of custody no.	Lab sample no.	Time of Collection	Sample type	Sample Information
2022-047	2208-155	Feb 17, 2022 @ 3:02 PM	sea water	water sample placed in 1000-mL PET bottle labeled "Filmag"

Environmental conditions during analysis:

Relative humidity: 64.1%

Temperature: 24.4°C

## CHARACTERISTICS:

Parameters	Date Analyzed	Lab sample no.
TSS, mg/L	22-Feb-22	205
True color, TCU	18-Feb-22	5
NO <sub>3</sub> <sup>-</sup> as N, mg/L	18-Feb-22	5.08
PO <sub>4</sub> <sup>3-</sup> as P, mg/L	18-Feb-22	0.051

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

True color - Visual comparison method

Nitrate (NO<sub>3</sub><sup>-</sup>) - Ion chromatography with Chemical Suppression of Eluent ConductivityPhosphate (PO<sub>4</sub><sup>3-</sup>) - Ascorbic acid method

Method detection limit (MDL):

TSS 2.3 mg/L

True color 5 TCU

NO<sub>3</sub><sup>-</sup> as N, mg/L 0.0156 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:

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

**SHEREY MAE D. BALAGAO, RCh**  
Laboratory analyst, Chemistry  
Reg. No. 0013722

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

Laboratory Unit  
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cc Laboratory  
Sampler  
Records Unit

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