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|  | 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: | Binahaan river (Priority river) | | |
| Address/Location: | Dagami & Pastrana, Leyte | | |
| Sampled by: | M Sudaria & JV Hijada | | |
| Date Arrived: | Dec 7, 2021 @ 1:50 PM | Date Acknowledged: | Dec 7, 2021 @ 1:55 PM |
| Date Reported: | Dec 14, 2021 @ 12:06 PM | | |

| Chain of custody no. | Lab sample no. | Time of Collection | Sample type | Sample Information |
|----------------------|----------------|----------------------------|-------------|---|
| 2021-419 | 2108-1237 | December 7, 2021 @1:30 PM | river water | water sample placed in 500-mL plastic bottle labeled "Binahaan 1" |
| | 2108-1238 | December 7, 2021 @1:11 PM | river water | water sample placed in 500-mL plastic bottle labeled "Binahaan 2" |
| | 2108-1239 | December 7, 2021 @1:05 PM | river water | water sample placed in 500-mL plastic bottle labeled "Binahaan 3" |
| | 2108-1240 | December 7, 2021 @12:45 PM | river water | water sample placed in 500-mL plastic bottle labeled "Binahaan 4" |

Environmental conditions during analysis:

Relative humidity: 48.0%

Temperature: 22.1°C

CHARACTERISTICS:

| Parameters | Date analysed | Lab sample no. | | | |
|-----------------|---------------|----------------|------|------|------|
| | | 1237 | 1238 | 1239 | 1240 |
| BOD, mg/L | 7-Dec-21 | - | 1.9 | 1.3 | 1.6 |
| TSS, mg/L | 10-Dec-21 | 47 | 19 | 23 | 10 |
| True color, TCU | 7-Dec-21 | 10 | 10 | 5 | 5 |
| Temperature, °C | 7-Dec-21 | 24.5 | 24.5 | 24.2 | 24.1 |
| DO, mg/L | 7-Dec-21 | 4.96 | 4.89 | 8.46 | 5.23 |

Method used: BOD - 5-Day BOD Test

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

True color - Visual comparison method

Temperature-Electrometric method

DO - Electrode method

Method detection limit (MDL):

BOD 0.1 mg/L

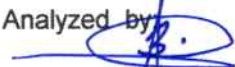
TSS 2.3 mg/L

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

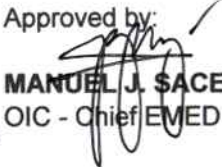
Analyzed by:


ARIEL B. SEVILLENNO, RChT
Laboratory analyst, Chemistry
Reg. No. 0003055


ANGELICA JOY G. YU, RCh
Technical Manager, Chemistry
Reg. No. 0012803


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

Approved by:


MANUEL J. SACEDA JR.
OIC - Chief EMED

Analyzed and Certified by:

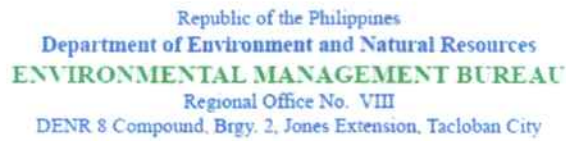

APRILYN R. DAÑAS, RCh
Laboratory Manager
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Noted by:


REYNALDO B. BARRA
OIC - Regional Director

Laboratory Unit
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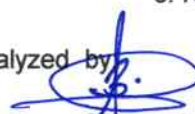
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Noted by:


REYNALDO B. BARRA
OIC - Regional Director

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cc

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