



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:	Livinghope Hospital, Inc. (DP Renewal)		
Address/Location:	Brgy. Isagani, Maasin City, Southern Leyte		
Sampled by:	Z Loreto		
Date Arrived:	Mar 2, 2022 @ 10:42 AM	Date Acknowledged:	Mar 2, 2022 @ 10:45 AM
Date Reported:	Mar 7, 2022 @ 10:30 AM		

Chain of custody no.	Lab sample no.	Time of Collection	Sample type	Sample Information
2022-071	2208-234	Mar 2, 2022 @ 6:45 AM	Effluent	water sample placed in and 250-mL glass and 1000-mL plastic bottle labeled "LivingHope Hospital"

Environmental conditions during analysis:

Relative humidity: 44.6%

Temperature: 21.2°C

CHARACTERISTICS:

Parameters	Date Analyzed	Lab sample no.
		234
BOD, mg/L	2-Mar-22	13.9
True Color, TCU	2-Mar-22	20
TSS mg/L	2-Mar-22	4
PO ₄ ³⁻ as P, mg/L	2-Mar-22	5.934
NO ₃ ⁻ as N, mg/L	2-Mar-22	0.52

Method used: BOD - 5-Day BOD Test

True color - Visual comparison method

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

Phosphate(PO₄³⁻) as P - Ascorbic acid method

Nitrate (NO₃⁻) as N - Ion chromatography with Chemical Suppression of Eluent Conductivity

Method detection limit (MDL):

BOD 0.1 mg/L

True color 5 TCU

TSS 2.3 mg/L

NO₃⁻, mg/L 0.069 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
4. DL : detection limit

Analyzed by:

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 Reg. No. 0003055

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

Approved by:

MANUEL J. SACEDA JR.
 OIC - Chief EMED

Analyzed and Certified by:

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

Noted by:

REYNALDO B. BARRA
 OIC - Regional Director