

	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:	Schistosomiasis Hospital (DP Application)		
Address/Location:	Palo, Leyte		
Sampled by:	HJ Montallana		
Date Arrived:	Mar 17, 2022 @ 8:48 AM	Date Acknowledged:	Mar 17, 2022 @ 8:49 AM
Date Reported:	Mar 22, 2022 @ 10:50 AM		

Chain of custody no.	Lab sample no.	Time of Collection	Sample type	Sample Information
2022-094	2208-310	Mar 17, 2022 @ 8:17 AM	Effluent	water sample placed in 250-mL glass, 500-mL and 1000-mL plastic bottle labeled "Schistosomiasis Hospital"

Environmental conditions during analysis:

Relative humidity: 75.3%

Temperature: 22.3°C

CHARACTERISTICS:

Parameters	Date Analyzed	Lab sample no.
BOD, mg/L	17 Mar 22	198.9
NO ₃ ⁻ as N, mg/L	17-Mar-22	12.99
PO ₄ ³⁻ as P, mg/L	17-Mar-22	2.054
TSS, mg/L	17 Mar 22	ND

Method used: 1. BOD - 5-Day BOD Test
 2. Nitrate (NO₃⁻) - Ion chromatography with Chemical Suppression of Eluent Conductivity
 3. Phosphate (PO₄³⁻) - Ascorbic acid method
 4. TSS - Gravimetric Method, dried @ 103-105 °C

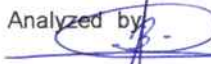
Method detection limit (MDL):

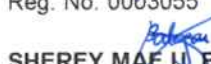
BOD 0.1 mg/L
 NO₃⁻ as N, mg/L 0.0156 mg/L
 TSS 2.3 mg/L

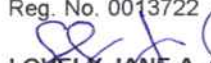
Reference: 1. 5210 B. Standard Methods for the Examination of Water and Wastewater, 23rd ed., 2017, AHA, AWWA, WEF
 2. 4110 B. Standard Methods for the Examination of Water and Wastewater, 23rd ed., 2017, AHA, AWWA, WEF
 3. 4500-P E. Standard Methods for the Examination of Water and Wastewater, 23rd ed., 2017, AHA, AWWA, WEF
 4. 2540 D. 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. SEVILLENO, RChT
 Laboratory analyst, Chemistry
 Reg. No. 0003055


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


LOVELY JANE A. GROTHE, RChT
 Laboratory analyst, Chemistry
 Reg. No. 0001401

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
 Email: embr8lab@yahoo.com

cc

Laboratory
 Sampler
 Records Unit