

	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:	Basey Sanitary Landfill (Discharge Permit)		
Address/Location:	Basey, Samar		
Sampled by:	RA Taboada		
Date Arrived:	Jan 5, 2022 @ 11:30 AM	Date Acknowledged:	Jan 5, 2022 @ 11:37 AM
Date Reported:	Jan 6, 2022 @ 3:45 PM		

Chain of custody no.	Lab sample no.	Time of Collection	Sample type	Sample Information
2022-004	2208-004	Jan 5, 2022 @ 9:56 AM	effluent	water sample placed in 1000-mL plastic bottle and 300-mL acid washed glass bottle

Environmental conditions during analysis:

Relative humidity: 40.3%

Temperature: 20.0°C

CHARACTERISTICS:

Parameters	Date analysed	Lab sample no.
		004
NO ₃ ⁻ as N, mg/L	6-Jan-22	0.188
Cl ⁻ , mg/L	6-Jan-22	208.66
PO ₄ ³⁻ as P, mg/L	5-Jan-22	0.341
TSS, mg/L	6-Jan-22	12
True color, TCU	5-Jan-22	500
pH	5-Jan-22	8.15
Temperature, °C	5-Jan-22	16

Method used: Nitrate (NO₃⁻) and Chloride (Cl⁻) - Ion chromatography with Chemical Suppression of Eluent Conductivity
 Phosphate (PO₄³⁻) Ascorbic acid method
 TSS - Gravimetric Method, dried @ 103-105 °C
 True color - Visual comparison method
 pH - Electrometric method
 Temperature- Laboratory and Field method

Method detection limit (MDL):

NO₃⁻ as N, mg/L 0.0156 mg/L
 Cl⁻ as N, mg/L 0.089 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:

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Certified by:

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