



GOVERNMENT OF NAGALAND
STATE WATER QUALITY TESTING LABORATORY
PHED, DIMAPUR, NAGALAND

Water Quality Analysis Report

Sample ID No	1021033
Date of sample collection:	28/10/2021
Date of sample delivery at the Lab:	28/10/2021
Customer Name and Address:	Shemrock School Diphupar A Khel, Dimapur -
Test Commenced on :	28/10/2021
Test Completed on:	29/10/2021
SAMPLE DETAILS FURNISHED BY CUSTOMER	
Source :	R O Filter
Location:	Diphupar A Khel, Dimapur
Sample collected by:	Customer
Quantity Received:	1 L
Sample Container:	Plastic bottle
Condition of Sample:	Good condition

The test result of sample received is as follow.

Sl. No	I. PHYSICAL PARAMETERS	BIS 10500:2012 Desirable Limits	Test Method	Test Values
1	Color	5 Hazen Unit	APHA 23 rd Edition 2120 B	01
2	Taste		Qualitative	Agreeable
3	Odor		Qualitative	Agreeable
4	pH at 25°C	6.5-8.5	APHA 23 rd Edition 4500 -H ⁺ B	7.52
5	Turbidity	1 NTU	APHA 23 rd Edition 2130 B	0.65
6	Total Dissolved Solids mg/L	500 mg/L	APHA 23 rd Edition 2540 C	14.8
II. CHEMICAL PARAMETERS				
7	Total Hardness	200 mg/L as CaCO ₃	APHA 23 rd Edition 2340 C	20
8	Calcium	75 mg/L as CaCO ₃	APHA 23 rd Edition 3500-Ca-B	08
9	Magnesium	30 mg/L as Mg	APHA 23 rd Edition 3500-Mg	2.8
10	Total Alkalinity	200 mg/L as CaCO ₃	APHA 23 rd Edition 2320 B	60
11	Chloride	250 mg/L as Cl	APHA 23 rd Edition 4500-Cl ⁻ B	24
12	Iron	1.0 mg/L as Fe ⁺²	Photometer (Palintest- 7100)	0.05
13	Nitrate	45 mg /L as NO ₄	Photometer (Palintest- 7100)	Nil
14	Free Chlorine	0.2 mg/L	Photometer (Palintest- 7100)	NT
15	Fluoride	1.0 mg/L	Photometer (Palintest- 7100)	0.07
16	Bacteriological Contamination	Negative	H ₂ S vial Strip Test	Negative

Prepared & Verified by

Authorized Signatory
A. Rolland Kikon
Chemist
SWQTL, PHED, Dimapur: Nagaland

Note:

BDL -Below Detection Level, NT- Not Tested

The test results relates only to the tested sample.

The report shall not be produced in full or part without the written approval of Quality Manager, SWQTL, PHED, Dimapur, Nagaland.

The test items will not be retained for more than 15 days from the date of issue of test report.

End of Report