



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

Test Report

Sample ID No.	0225060
Date of sample collection:	27/02/25
Date of sample delivery at the Lab:	27/02/25
Customer Name and Address:	Tuyitu Foundation School
Test Commenced on :	27/02/25
Test Completed on:	28/02/25
SAMPLE DETAILS FURNISHED BY CUSTOMER	
Source:	Filter water
Location:	4 th Mile, Diphupar Chumoukedima
Sample collected by:	Customer
Quantity Received:	1.5 Ltr
Sample Container:	Plastic Bottle
Condition of Sample:	Acceptable condition

The test result of sample received is as follow.

Sl. No	PARAMETERS	BIS 10500:2012 Unit -Desirable limit	Permissible limit	Test Method	Test Report
1	Color	5 Hazen Unit	15 Hazen Unit	APHA 23 rd Edition 2120 B	02
2	Odor	Agreeable	Agreeable	Qualitative	Agreeable
3	Tastes	Agreeable	Agreeable	Qualitative	Agreeable
4	pH at 25°C	6.5-8.5	No relaxation	APHA 23 rd Edition 4500 -H ⁺ B	7.0
5	Turbidity	1 NTU	5 NTU	APHA 23 rd Edition 2130 B	0.24
6	Total Dissolved Solids mg/L	500 mg/L	2000 mg/L	APHA 23 rd Edition 2540 C	41
7	Total Hardness	200 mg/L as CaCO ₃	600 mg/L as CaCO ₃	APHA 23 rd Edition 2340 C	32
8	Calcium	75 mg/L as CaCO ₃	200 mg/L as CaCO ₃	APHA 23 rd Edition 3500-Ca-B	12
9	Magnesium	30 mg/L as Mg	100 mg/L as Mg	APHA 23 rd Edition 3500-Mg	4.8
10	Total Alkalinity	200 mg/L as CaCO ₃	600 mg/L as CaCO ₃	APHA 23 rd Edition 2320 B	48
11	Chloride	250 mg/L as Cl	1000 mg/L as Cl	APHA 23 rd Edition 4500-Cl-B	5.9
12	Iron	1.0 mg/L as Fe ²⁺	No relaxation	Photometer (Palintest- 7100)	0.02
13	Nitrate	45 mg/L as NO ₃	No relaxation	Photometer (Palintest- 7100)	BDL
14	Fluoride	1.0 mg/L	1.5 mg/L	Photometer (Palintest- 7100)	BDL
15	Sulphate	200 mg/L as SO ₄	400 mg/L	Photometer (Palintest- 7100)	03
16	Bacteriological Contamination	Negative	Negative	H ₂ S vial Strip Test	-ive

Prepared & Verified by



Authorized Signatory
A. Rolland Kikon 01/03/25
Quality Manager (Chemist)
SWQTL, PHED, Dimapur: Nagaland
Chemist
State Water Quality Testing Laboratory
PHED, Dimapur: Nagaland

Note:

NA- Not Available

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 report is valid for the period of six (6) months.

End of Report