



**KERALASTATE GROUND WATER DEPARTMENT
ANALYTICAL LABORATORY LEVEL II⁺, THIRUVANANTHAPURAM**

Ph: 04712437653, mail id: gwaltvm@gmail.com

(IS 10500: 2012)

Lab ref. No.	925/24
Sample supplied	The Principal, Chinmaya Vidhyalaya, Vellappalli, Naruvamoodu, TVM
Date of receipt	06/05/2024
Date of Report	16/05/2024
Type of Sample	Pipe water
Purpose	Other purpose

WATER ANALYSIS REPORT

	Parameter	Requirement (Acceptable limit) (mg/L)	Permissible Limit	Analysed value
1	pH	6.5-8.5	No Relaxation	7.6
2	Electrical conductivity (μ mhos/cm)	-	-	155
3	Total Dissolved solids (mg/L)	500	2000	93
4	Turbidity (NTU)	1	5	0.4
5	Total Hardness (mg CaCO ₃ /l)	200	600	55
6	Calcium (mg/L)	75	200	14
7	Magnesium (mg/L)	30	100	4.9
8	Sodium (mg/L)	-	-	10.6
9	Potassium (mg/L)	-	-	4.6
10	Total Alkalinity (mg CaCO ₃ /l)	200	600	32
11	Carbonate (mg/L)	-	-	0
12	Bicarbonate (mg/L)	-	-	39
13	Sulphate (mg/L)	200	400	16.6
14	Chloride (mg/L)	250	1000	19
15	Nitrate-N (mg/L)	10	No Relaxation	0.6
16	Iron (mg/L)	1	No Relaxation	0.02
17	Total Coliform(MPN/100ml)	NIL	NIL	NIL
18	Faecal Coliform(MPN/100ml)	NIL	NIL	NIL

Remarks In the given sample all the analysed parameters are within the limit of water quality standard (BIS). The sample is bacteriologically not contaminated.

CHIEF CHEMIST