

NANDYAL MUNICIPALITY

Water Quality Monitoring Laboratory

IS: 10500 : 2012 Drinking Water - Specification

Sri Shantinikethan High School
Kranthi Nagar, Nandyal

Water Analysis Report

Dt: 22/8/2023

S.No	Characterstics	Measuring Units	Requirements (Acceptable limit)	Permissible limit in the Absence of Alternate Source	Result	Remarks
1	Colour	Hazens	5.0	15	2.0	
2	Taster & Odour	Agreeable	Agreeable	Agreeable	Agreeable	
3	EC	μ/s	< 1000		120.0	
4	TURBIDITY	N.T.U	1	5	0.1	
5	T.D.S.	Mg/L	500	2000	77.0	
6	Ph		6.5-8.5	No Relaxation	7.2	
7	Total hard ness (caco ₃)	Mg/L	200	600	22.0	
8	Chlorides (as cl)	Mg/L	250	1000	18.0	
9	Sulphates (as so ₄)	Mg/L	200	400	26.0	
10	Flourides (as F)	Mg/L	1.0	1.5	0.6	
11	Nitrites (as No ₂)	Mg/L	Nil	Nil	Not Detected	
12	Calcium (as c)	Mg/L	75	200	14.0	
13	Magnesium (as mg)	Mg/L	30	150	3.2	
14	Iron (as fe)	Mg/L	0.3	No Relaxation	0.01	
15	Total Alkalinity	Mg/L	200	600	20.0	
16	Ammonical Nitrozen (N)	Mg/L	< 0.1		Not Detected	
17	Nitrate (as NO ₃)	Mg/L	45	No Relaxation	2.0	
18	Residual Chlorine	Mg/L			Not Detected	
19	MPN of Coliform Bacterial 100 ml	Cfu			Absent	
20	MPN of E. Coli	Cfu			Absent	
21	H2S (VIAL) Test		Negative	Negative	Negative	


Chemist

A.E.

D.E.E.

M.E.

Commissioner