

GOVERNMENT OF TELANGANA
DEPARTMENT OF WATER AND WASTE WATER EXAMINATION
Directorate of I.P.M,P.H.Labs, Food (H) Administration, Narayanaguda.

REPORT OF BACTERIOLOGICAL ANALYSIS OF WATER

1. Sample From: Gurukula Vidyapeeth High School, Ibrahimpatnam ,R R Dist.

2. Collected by: Self

3. Collected on : 07-07-2026

4.Received on: 07-07-2026

Lab. Ref. No.	Source	Exact location	Residual Chlorine mg per liter	Total coliform bacteria (MPN Index) per 100ml	Faecal coliform bacteria per 100ml	Esch. coli per 100ml	Result
7980	R.O water	Direct R.O water		Nil			Satsifactory
7981	R.O water (TPC)	Direct R.O water	Total Aerobic Bacterial Plate Count for 24 hrs at 37 ⁰ c = 1 CFU / ml				Satisfactory

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REPORT OF PHYSICO CHEMICAL ANALYSIS OF WATER

Sample From		Gurukula Vidyapeeth High School	Collected by	Self	
Address		Ibrahimpatnam	Collected on	07-07-2026	
			Received on	07-07-2026	
District		R R Dist			
State		TS	Sample volume	2 ltr	
Source profile		R.O water	Sample ID	7982	
S.No	Parameter	Source / Sample ID		Requirement (Acceptable)	Permissible limit in the absence of alternative source
		Direct R.O water / 7982			
Physical parameters					
1	colour(Hazen),max	<5		5	15
2	Turbidity (NTU),max	0.87		1	5
3	Odour	UnObjectionable		UnObjectionable	UnObjectionable
4	Taste	Agreeable		Agreeable	Agreeable
5	p ^H	7.6		6.5 - 8.5	No relaxation
6	Electrical Conductivity at 25°C (Micro Mhos/cm)	186			
7	TDS(mg/L),max	120		500	2000
Chemical parameters (mg/L)					
1	Alkalinity(as CaCO3) ,phenolphthalein ,max	Nil		...	...
2	Total alkalinity (as CaCO3) ,max	34		200	600
3	Total hardness (as CaCO3),max	32		200	600
4	Calcium hardness (as CaCO3),max	16			
5	Magnesium hardness (as CaCO3),max	16			
6	Calcium (as Ca),max	6.4		75	200
7	Magnesium (as Mg),max	3.9		30	100
8	Ammonical Nitrogen,max	Nil			
9	Nitrite(as N),max	Nil			
10	Nitrate(as N),max	Nil		45	No relaxation
11	Sulphate (as SO4),max	2.0		200	400
12	Chloride(as Cl),max	12		250	1000
13	Fluoride(as F),max	0.04		1.0	1.5
14	Iron (as Fe),max	Nil		0.3	No relaxation

Remarks: The given sample is physico chemically satisfactory .


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