

**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: Shree Swaminarayan Gurukul International School, Jadcherla ,  
Mahabub Nagar.

2. Collected by: Self

3. Collected on : 23-09-2024

4. Received on: 23-09-2024

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
8745	R.O water	Filter water R.O	...	Nil	...	...
8746	R.O water (TPC)	Filter water R.O	Total Aerobic Bacterial Plate Count for 24 hrs at 37 <sup>0</sup> c = 1 CFU / ml			
8748	Borewell water	Direct Borewell water collected at above address	...	28	Absent	Absent

Remarks: The samples with Lab Ref No's : 8745, 8746 are bacteriologically satisfactory  
.The sample with Lab Ref No: 8748 is unsatisfactory due to presence of coliform bacteria

  
27/9/24  
Dy. Chief Water Analyst

REPORT OF PHYSICO CHEMICAL ANALYSIS OF WATER			
Sample From	Shree Swaminarayan Gurukul International School,	Collected by	Self
Address	Jadcherla , Mahabub Nagar.	Collected on	23-09-2024
District	Mahabub Nagar.	Received on	23-09-2024
State	Telangana	Sample volume	2 ltr
Source profile	Filter water / Borewell water	Sample ID	8747 / 8749

S.No	Parameter	Source / Sample ID		Drinking Water -Specification As per IS 10500 :2012	
		Filter water R.O / 8747	Direct borewell water / 8749	Requirement (Acceptable)	Permissible limit in the absence of alternative source
Physi	colour(Hazen),max				
1		<5	<5	5	15
2	Turbidity (NTU),max	1.50	0.99	1	5
3	Odour	Un-Objectionable	Un-Objectionable	UnObjectionable	UnObjectionable
4	Taste	Agreeable	Agreeable	Agreeable	Agreeable
5	p <sup>H</sup>	7.11	7.46	6.5 - 8.5	No relaxation
6	Electrical Conductivity at 25°C (Micro Mhos/cm)	71.2	1490	....	....
7	TDS(mg/L),max	46.2	969	500	2000
Chemical parameters (mg/L)					
1	Alkalinity(as CaCO3),phenolphthalein ,max	Nil	Nil	...	...
2	Total alkalinity (as CaCO3) ,max	17	400	200	600
3	Total hardness (as CaCO3),max	10	380	200	600
4	Calcium hardness (as CaCO3),max	10	236	....	.....
5	Magnesium hardness (as CaCO3),max	Nil	144	....	.....
6	Calcium (as Ca),max	4	94.4	75	200
7	Magnesium (as Mg),max	Nil	35.1	30	100
8	Ammonical Nitrogen,max	Nil	Nil	....	....
9	Nitrite(as N ),max	Nil	Nil	....	....
10	Nitrate(as N),max	1.0	18.6	45	No relaxation
11	Sulphate (as SO4),max	1	4	200	400
12	Chloride(as Cl),max	7	160	250	1000
13	Fluoride(as F),max	0.16	1.93	1.0	1.5
14	Iron (as Fe),max	Nil	Nil	0.3	No relaxation

Remarks: The sample with Lab Ref No:8747 is physico chemically satisfactory .

The sample with Lab Ref No: 8749 is physico chemically unsatisfactory as total hardness values are more than the limits.



27/9/24  
Dy.Chief Water Analyst