

**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:** Sree Swaminarayan, Gurukul School, Cheeril (V),  
Malkajgiri (Dist)
- 2. Collected by:** Self
- 3. Collected on :** 12-09-2024
- 4. Received on:** 12-09-2024

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
8598	R.O water	Direct Borewell water	...	Nil	...	...
8599	R.O water (TPC)	Direct Metro water	Total Aerobic Bacterial Plate Count for 24 hrs at 37 <sup>0</sup> c = ≤1 CFU / ml			
8601	Borewell water	Direct Borewell water	...	≥1609	Absent	Absent

Remarks: The samples with Lab Ref No's: 8598 , 8599 are bacteriologically satisfactory.

The sample with Lab Ref No: 8601 is bacteriologically unsatisfactory due to presence of coliform bacteria .

  
21/9/24  
Dy. Chief Water Analyst

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 Directorate of I.P.M,P.H.Labs, Food (H) Administration, Narayanaguda, Hyderabad – 29.

REPORT OF PHYSICO CHEMICAL ANALYSIS OF WATER						
Sample From		Shree Swaminarayan Gurukul School,		Collected by		Self
Address		Cheerial (V), Malkajgiri (Dist)		Collected on		12-09-2024
District		Malkajgiri		Received on		12-09-2024
State		Telangana		Sample volume		2 ltr
Source profile		R.O water/ Borewell water		Sample ID		8600 / 8602
S.No	Parameter	Source / Sample ID		Drinking Water -Specification As per IS 10500 :2012		
		Direct R.O water/ 8600	Direct Borewell water / 8602	Requirement (Acceptable)	Permissible limit in the absence of alternative source	
Physical parameters						
1	colour(Hazen),max	<5	<5	5	15	
2	Turbidity (NTU),max	0.42	0.82	1	5	
3	Odour	Un-Objectionable	Un-Objectionable	UnObjectionable	UnObjectionable	
4	Taste	Agreeable	Agreeable	Agreeable	Agreeable	
5	p <sup>H</sup>	7.35	6.95	6.5 - 8.5	No relaxation	
6	Electrical Conductivity at 25°C (Micro Mhos/cm)	122	154	....	....	
7	TDS(mg/L),max	79	100	500	2000	
Chemical parameters (mg/L)						
1	Alkalinity(as CaCO3),phenolphthalein ,max	Nil	Nil	...	...	
2	Total alkalinity (as CaCO3) ,max	23	25	200	600	
3	Total hardness (as CaCO3),max	38	25	200	600	
4	Calcium hardness (as CaCO3),max	27	12	....	.....	
5	Magnesium hardness (as CaCO3),max	11	13	....	.....	
6	Calcium (as Ca),max	10.8	4.8	75	200	
7	Magnesium (as Mg),max	2.7	3.2	30	100	
8	Ammonical Nitrogen,max	Nil	Nil	....	....	
9	Nitrite(as N ),max	Nil	Nil	....	....	
10	Nitrate(as N),max	1.2	1.4	45	No relaxation	
11	Sulphate (as SO4),max	Nil	Nil	200	400	
12	Chloride(as Cl),max	15	16	250	1000	
13	Fluoride(as F),max	0.19	0.21	1.0	1.5	
14	Iron (as Fe),max	Nil	Nil	0.3	No relaxation	

Remarks: The above sample with L.L.D. 2015-2016

**Remarks:** The above sample with Lab Ref No: 8600 & 8602 are physico chemically satisfactory

The above sample with Lab Ref No: 8602, the analyzed parameters results shows that it is R.O water and not borewell water as specified by the party .

*Dy.Chief Water Analyst*  
 21/9/24  
**Dy.Chief Water Analyst**