

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: Astra Lumina School, CBSE, Bachupally, Hyderabad .

2. Collected by: Party

3. Collected on : 28-07-2025

4. Received on: 28-07-2025

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	
8084	R.O water	R.O water	.....	Nil	....	....	Satisfactory
8085	R.O water (TPC)	R.O water	Total Aerobic Bacterial Plate Count for 24 hrs at 37°c = 1 CFU / ml					Satisfactory

Remarks: The above samples are bacteriologically satisfactory .

B.Naveen
Dy. Chief Water Analyst
Institute of Preventive Medicine
Public Health Labs & Food (H) Admin.
Narayanaguda, Hyderabad-29, T.S.

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<u>REPORT OF PHYSICO CHEMICAL ANALYSIS OF WATER</u>				
Sample From	Astra Lumina School,		Collected by	Party
Address	CBSE, Bachupally, Hyderabad .		Collected on	28-07-2025
District	Hyderabad		Received on	28-07-2025
State	TS		Sample volume	2 ltr
Source profile	R.O water		Sample ID	8086
S.No	Parameter	Source / Sample ID	Drinking Water -Specification As per IS 10500 :2012	
		Direct R.O water / 8086	Requirement (Acceptable)	Permissible limit in the absence of alternative source
Physical parameters				
1	colour(Hazen),max	<5	5	15
2	Turbidity (NTU),max	0.49	1	5
3	Odour	UnObjectionable	UnObjectionable	UnObjectionable
4	Taste	Agreeable	Agreeable	Agreeable
5	P ^H	8.0	6.5 - 8.5	No relaxation
6	Electrical Conductivity at 25°C (Micro Mhos/cm)	109	....	....
7	TDS(mg/L),max	72	500	2000
Chemical parameters (mg/L)				
1	Alkalinity(as CaCO ₃),phenolphthalein ,max	Nil	...	...
2	Total alkalinity (as CaCO ₃),max	18	200	600
3	Total hardness (as CaCO ₃),max	21	200	600
4	Calcium hardness (as CaCO ₃),max	14	....	.....
5	Magnesium hardness (as CaCO ₃),max	7	....	.....
6	Calcium (as Ca),max	5.6	75	200
7	Magnesium (as Mg),max	1.7	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 SO ₄),max	2.0	200	400
12	Chloride(as Cl),max	13	250	1000
13	Fluoride(as F),max	0.20	1.0	1.5
14	Iron (as Fe),max	Nil	0.3	No relaxation

Remarks: The given samples is physico chemically satisfactory .

R.Naveen
Dy.Chief Water Analyst
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 Public Health Labs & Food (H) Admin.
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Directorate of I.P.M, P.H.Labs, Food (H) Administration, Narayanaguda.

REPORT OF BACTERIOLOGICAL ANALYSIS OF WATER

1. Sample From: Astra Lumina School, CBSE, Bachupally, Hyderabad .

2. Collected by: Party

3. Collected on : 28-07-2025

4. Received on: 28-07-2025

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
8082	Borewell water	Direct Borewell water	.....	Nil	....	....	Satisfactory

Remarks: The above sample is bacteriologically satisfactory .

R. Narayana
Dy. Chief Water Analyst
Institute of Preventive Medicine
Public Health Labs & Food (H) Admn.
Narayanaguda, Hyderabad-29, T.S.

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REPORT OF PHYSICO CHEMICAL ANALYSIS OF WATER

Sample From	Astra Lumina School		Collected by	Party	
Address	CBSE, Bachupally, Hyderabad .		Collected on	28-07-2025	
District	Rangareddy		Received on	28-07-2025	
State	TS		Sample volume	2 ltr	
Source profile	Borewell water		Sample ID	8083	
S.No	Parameter	Source / Sample ID		Drinking Water -Specification As per IS 10500 :2012	
		Borewell water / 8083		Requirement (Acceptable)	Permissible limit in the absence of alternative source
Physical parameters					
1	colour(Hazen),max	<5	5	15	
2	Turbidity (NTU),max	2.13	1	5	
3	Odour	UnObjectionable	UnObjectionabl	UnObjectionable	
4	Taste	Agreeable	Agreeable	Agreeable	
5	pH	7.9	6.5 - 8.5	No relaxation	
6	Electrical Conductivity at 25°C (Micro Mhos/cm)	1380	....	....
7	TDS(mg/L),max	997	500	2000	
Chemical parameters (mg/L)					
1	Alkalinity(as CaCO ₃),phenolphthalein ,max	Nil	...	...
2	Total alkalinity (as CaCO ₃),max	336	200	600	
3	Total hardness (as CaCO ₃),max	406	200	600	
4	Calcium hardness (as CaCO ₃),max	292	....	.....
5	Magnesium hardness (as CaCO ₃),max	114	....	.....
6	Calcium (as Ca),max	117.0	75	200	
7	Magnesium (as Mg),max	27.8	30	100	
8	Ammonical Nitrogen,max	Nil	....	....
9	Nitrite(as N),max	Nil	....	....
10	Nitrate(as N),max	5.0	45	No relaxation	
11	Sulphate (as SO ₄),max	18	200	400	
12	Chloride(as Cl),max	192	250	1000	
13	Fluoride(as F),max	1.86	1.0	1.5	
14	Iron (as Fe),max	Nil	0.3	No relaxation	

Remarks: The above sample is physico chemically unsatisfactory as total hardness is above desirable limit & fluoride is above permissible limit

✓ Ravareddy
Dy. Chief Water Analyst

Institute of Preventive Medicine
Public Health Labs & Food (H) Admn.
Narayanaguda, Hyderabad-29, T.S.





OFFICE OF THE DISTRICT MEDICAL AND HEALTH OFFICER,
MEDCHAL - MALKAJGIRI DISTRICT.

Rc.No. 481 / SHP / DM&HO / Medchal / 2025 - 26.

Dated: 31 / 01 / 2025.

SANITARY CERTIFICATE

I here by certified that Our Health Supervisor inspected the **M/s Astra Lumina School** (A Unit of Sannidhan Educational Society), Located at Survey No. 83, Bachupally Village, Bachupally Mandal, Medchal - Malkajgiri District building and premises and certify that the accommodation provided for each of the several classes is sufficient for maximum number of pupils taught therein, and is properly ventilated and lighted, that the building is maintained in substantial repairs, is neat and clean, that the urinals & latrine arrangements are adequate and satisfactory and the supply of Safe drinking water is wholesome, and in all other necessary respects the Hygienic and sanitation is in good condition, for the Academic Year 2025 - 26.

This certificate should be got renewed by the starting of every academic year by applying to the District Medical & Health Officer, Medchal District.

R. S. S. S. S.
District Medical & Health Officer,
Dist. Medical & Health Officer
Medchal Dist., Telangana