

Analysis Report

AR No: GCL/120/2025-26

Date 22-01-2026

Name: Jaihind International School	Date & Time of sample collection: 22-01-2026: 10:30
Address: No.-91, M.R. Tower, Bangalore	Location : HSR layout
Mobile: 8884157167	Sample collected by : Client
Email: naveen.bosappap@gmail.com	Sample delivered by : Client
	Date & Time of delivery : 22-01-2026 11:30
Source of Sample: RO water	Sample received by : Lab Analyst
Sample container: Plastic Bottle	Sample condition : Fit for Analysis
Type of Test: Chemical	Period of Analysis
Microbiological	

Sl No	Parameter	Unit	Test method APHA/IS:10500/2012	Results	Acceptable limit IS 10500:2012	Permissible limit in the absence of alternate source
1	Colour	Hazen	2120B	<1	5	15
2	Odour	-	2160A	Agreeable	Agreeable	Agreeable
3	Electrical conductivity <@25°C	αS/cm	2510B	138.9	-	-
4	Turbidity	NTU	2130B	1.0	1	5
5	Total Dissolved Solids (TDS)	mg/L	2540C	69.45	500	2000
6	pH<@25°C	-	4500H+B	6.77	6.5-8.5	-
7	Salinity	PSU	-	0.07	0.6	-
8	Total Alkalinity	mg/L	2320B	125.0	200	600
9	Total Hardness as CaCO ₃	mg/L	2340C	15.0	200	600
10	Calcium as Ca	mg/L	3500 Ca B	5.8	15	200
11	Magnesium as Mg	mg/L	IS 3025-46	3.2	30	100
12	Fluoride as F	mg/L	4500-F	0.05	1.0	1.5
13	Chloride as Cl	mg/L	4500 Cl B	60.0	250	1000
14	Sulphate as SO ₄	mg/L	4500SO ₄ E	50.0	200	400
15	Nitrate as NO ₃	mg/L	4500NO ₃ E	0.5	45	No relaxation
16	Ammonia as N	mg/L	4500NH ₃ F	BDL	0.5	No relaxation
17	Phosphate	mg/L	4500-P	BDL	0.1	1.5
18	Iron Fe	mg/L	3500Fe B	0.02	0.3	1.0
19	Copper as Cu	mg/L	IS 3025-42	BDL	0.05	1.5
20	Zinc as Zn	mg/L	IS 3025-49	0.1	5.0	15.0
21	Cadmium as Cd	mg/L	IS 3025- 41	BDL	0.003	No relaxation
22	Nickel as Ni	mg/L	IS 3025-54	BDL	0.02	No relaxation
23	Mercury as Hg	mg/L	IS 3025-48	BDL	0.001	No relaxation
24	Lead as Pb	mg/L	IS 3025-47	BDL	0.01	No relaxation
25	Chromium as Cr	mg/L	IS 3025-52	BDL	0.05	No relaxation
Bacteriology						
26	Total Coliform	cfu/100ml	15185:2016	Nil/100ml	Nil/100ml	No relaxation
27	Escherichia coli	cfu/100ml	Reaffirmed Year 2021	Nil/100ml	Nil/100ml	No relaxation

* BDL- below detection level. *Sample details are provided by the client

Remarks: The water sample is suitable for direct consumption based on the parameters analysed. Water sample is free from bacterial contamination.



An. R. Kumar Anita
THE MANAGER

S.J. - P. V.
THE PRINCIPAL

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