



ESTD : 1946

# CENTRE FOR RESEARCH & CONSULTANCY

## THE NATIONAL INSTITUTE OF ENGINEERING

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Date: 14<sup>th</sup> March 2025

### ENVIRONMENTAL ENGINEERING LABORATORY

### TEST REPORT

Test report on analysis of drinking water sample supplied by Secretary, Sri Sharada Public School, Mysore

**Location Name:** Sri Sharada Public School

**Source of sample:** RO water– As mentioned by the client

**Sample collection date:** 10-3-2025

Sl. No.	Characteristics	Result	Limits specified, max: IS 10500-2012	
			Desirable limit	Permissible limit in absence of alternate sources
1	Colour (in Hazen units)	Nil	5	15
2	Odour	Unobjectionable	Unobjectionable	
3	Taste	Agreeable	Agreeable	
4	Conductivity(micro-mho/cm)	122	--	--
5	Turbidity (in FAU)	Nil	1	5
6	pH	6.98	6.5 to 8.5	No relaxation
7	Iron as Fe (mg/l)	Nil	0.3	No relaxation
8	Fluorides as F (mg/l)	0.04	1.0	1.5
9	Sulphates as SO <sub>4</sub> (mg/l)	0.06	200	400
10	Total Hardness (as CaCO <sub>3</sub> ) (mg/l)	19	200	600
11	Calcium Hardness (as CaCO <sub>3</sub> ) (mg/l)	Nil	75	200
12	Total Alkalinity (as CaCO <sub>3</sub> ) (mg/l)	11	200	600
13	Total Chlorides as Cl (mg/l)	Nil	250	1000
14	Total nitrates (as NO <sub>3</sub> ) (mg/l)	Nil	45	100
15	Residual, free chlorine (mg/l)	Nil	0.2	1.0
16	Total solids (mg/l)	83	--	--
17	Total Dissolved solids (TDS) (mg/l)	83	500	2000
18	E-Coli (Faecal contamination) (Hydrogen Sulphide Paper-Strip test)	Nil	--	--

The results tabulated are pertaining to the samples supplied by the client to the laboratory. Based on the results, for the analytes tested and in reference to IS: 10500-2012, all the analytes are within desirable limits. This water is suitable for drinking.

  
Testing Officer

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