



ESTD : 1946

# CENTRE FOR RESEARCH & CONSULTANCY

## THE NATIONAL INSTITUTE OF ENGINEERING

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CRC No. 20546

Date: 01 Feb 2019

### ENVIRONMENTAL ENGINEERING LABORATORY TEST REPORT

Test report on analysis of drinking water sample supplied by the Secretary, Sri Sharada Public School, R.T.Nagar, Mysore vide their letter Ref. no. nil dated 28/1/2019,

Source of water: RO in the premises (as mentioned by Client).

Date and time of collection of sample: 28/1/2019; 3.00 PM (supplied by the client to the laboratory)

Sl. No.	Characteristics	Result	Limits specified, max: IS 10500-2012	
			Desirable limit	Permissible limit in absence of alternate sources
1	Colour (in PCU)	Nil	5	15
2	Odour	Unobjectionable	Unobjectionable	
3	Taste	Agreeable	Agreeable	
4	Conductivity(milli-siemens/cm)	0.047	--	--
5	Turbidity (in FAU)	Nil	1	5
6	pH	6.6	6.5 to 8.5	No relaxation
7	Iron as Fe (mg/l)	0.03	0.3	No relaxation
8	Fluorides as F (mg/l)	0.21	1.0	1.5
9	Sulphates as SO <sub>4</sub> (mg/l)	Nil	200	400
10	Total Hardness (as CaCO <sub>3</sub> ) (mg/l)	Nil	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)	12.0	200	600
13	Total Chlorides as Cl (mg/l)	2.0	250	1000
14	Total nitrates (as NO <sub>3</sub> ) (mg/l)	2.4	45	100
15	Residual, free chlorine (mg/l)	Nil	0.2	1.0
16	Total solids (mg/l)	24	--	--
17	Total Dissolved solids (mg/l)	24	500	2000
18	E-Coli (Faecal contamination) (Hydrogen Sulphide Paper-Strip test)	Nil	--	--

Note: The results given above are as per the sample supplied by the client to the laboratory.

  
Testing Officer

Professor

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