



ESSAR LABORATORIES AND RESEARCH CENTRE **LLP**

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ISO 9001 : 2015 CERTIFIED



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WATER ANALYSIS TEST REPORT

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Client : SJRVP Mandal Shantiniketan English Medium School, Hubli.	Certificate No. : ESSAR/9832 Date of Sampling : 23/07/2025 Date of Issue : 24/07/2025 Ref No : Verbal:23/07/2025
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Sample details : Sample as submitted by the party : SJRVP Mandal Water Sample.
Test Device Details : Instrumental, Volumetric & Gravimetric
Source at : Filter Water, Gantikeri, Hubli.
Procedure Used : IS:3025 APHA-AWA

Sl. No.	PARAMETER	Units	Test Method	Result	Requirement as per IS 10500:2012	
					Acceptable Limit	Permissible Limit
1.	Colour (Hezen)	--	IS 3025 (Part 4) 1983	0.3	5	15
2.	Odour	--	IS: 3025(Part 6)-1983	Agreeable	Agreeable	Agreeable
3.	Taste	--	IS: 3025(Part 7&8)	Agreeable	Agreeable	Agreeable
4.	Turbidity	NTU	IS: 3025(Part 10)-1984	0.4	1	5
5.	Hydrogen ion concentration(pH)	--	IS: 3025(Part 11)-1983	7.12	6.5 to 8.5	No Relaxation
6.	Electric Conductivity (EC)	µS/cm	IS 3025 (part 14)-1984	300	--	--
7.	Total Dissolved Solids (TDS)	mg/l	IS 3025 (part 16)-1984	180	500	2000
8.	Total Hardness(TH)	mg/l	IS 3025 (part 21)	118	200	600
9.	Calcium (Ca ⁺⁺)	mg/l	IS 3025 (part 40)-1991	26.2	75	200
10.	Magnesium(Mg ⁺⁺)	mg/l	IS 3025 (part 46)-1994	10.9	30	100
11.	Chloride(Cl ⁻¹)	mg/l	IS 3025 (part 32)-1998	32	250	1000
12.	Fluoride(F ⁻¹)	mg/l	IS 3025 (part 60)-2008	0.3	1.0	1.5
13.	Sulphate(SO ₄ ⁻²)	mg/l	IS: 3025(Part 24)-1986	7.2	200	400
14.	Nitrates(NO ₃ ⁻¹)	mg/l	IS: 3025(Part 34)-1988	1.6	45	No Relaxation
15.	Iron(Fe)	mg/l	IS: 3025(Part 53)	0.01	0.3	No Relaxation
16.	Alkalinity	mg/l	IS: 3025(Part 23)-1986	106	200	600
17.	Free Residual Chlorine, Min	mg/l	IS: 3025(Part 26)	Nil	0.2	1.0
18.	Salinity	mg/l	--	150	--	--
19.	Total Suspended Solids	mg/l	IS: 3025(Part 17)-1984	Nil	--	--

BACTERIOLOGICAL PARAMETERS:					Requirement
20.	Total Coliforms	MPN/100 ml	IS : 1622-1981	Absent	Should be absent per 100 ml
21.	E Coli	MPN/100 ml	IS : 1622-1981	Absent	Should be absent per 100 ml

Inference as per IS 10500 :2012 Standards. BDL=Below Detectable Level ND=Not Detected

REMARK : WITHIN THE ACCEPTABLE LIMITS FOR TESTED PARAMETERS.

Statement :

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Chemist:

Chief Executive Officer:

