

Laboratory District Water Testing Laboratory, Public Health Engineering Department, Durg, Chhattisgarh

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-7502 (in lieu of T-4089)

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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CHEMICAL TESTING

I.	WATER			
1.	Drinking Water	Turbidity	IS 3025 (Part- 10): 1984 (RA 2002) Nephelometri Method	0.1 NTU to 100 NTU
		pH	IS 3025 (Part- 11): 1983 (RA 2002)	3.0 to 10.5
		Alkalinity as CaCO ₃	IS 3025 (Part- 23): 1986 (RA 2014) Titration Method	1 mg/l to 1000 mg/l
		Conductivity	IS 3025 (Part- 14): 1984 (RA 2002)	2 µS/cm to 4000 µS/cm
		Chloride as Cl	IS 3025 (Part- 32): 1988 (RA 2014)	2 mg/l to 1000 mg/ l
		Total Hardness as CaCO ₃	IS 3025 (Part- 21): 2009 (RA 2014) EDTA Method	2 mg/l to 2000 mg/l
		Calcium as Ca	IS 3025 (Part- 40): 1984 (RA 2014) EDTA Method	2 mg/l to 600 mg/l
		Magnesium as Mg	IS 3025 (Part -46): 1994 RA 2014	2 mg/l to 400 mg/l
		Iron as Fe	APHA 23 rd Edition 2017 Method 3500-B-Fe	0.1 mg/l to 10 mg/l
		Manganese as Mn	APHA 23 rd Edition 2017 3500-Mn-B Persulphate Method	0.01 mg/l to 2 mg/l
		Fluoride as F	APHA 23 rd Edition 2017 4500 -F-C	0.1 mg/l to 10 mg/l
		Nitrate as NO ₃	APHA 23 rd Edition 2017 4500-NO ₃ -B	0.1 mg/l to 200 mg/l
		Sulphate as SO ₄	IS 3025 (Part- 24): 1986 (RA 2014)	1 mg/l to 800 mg/l