

Laboratory District Laboratory, Gujarat Water Supply & Sewerage Board, 1st Floor, Jalseva Bhavan, Mahesana, Gujarat

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-7352 Page 1 of 1

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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 Surface Water, Ground Water	Colour	APHA 23 rd Edition: 2017 Method: 2120 C	1 Hazen unit to 50 Hazen unit
		Turbidity	APHA 23 rd Edition: 2017 Method: 2130 B	0.5 NTU to 100 NTU
		pH at 25°C	APHA 23 rd Edition: 2017 Method: 4500 H ⁺ B	3.0 to 9.5
		Conductivity at 25°C	APHA 23 rd Edition: 2017 Method: 2510 B	2 µS/cm to 20000 µS/cm
		Total Dissolved Solids	APHA 23 rd Edition: 2017 Method: 2540 C	10 mg/l to 10000 mg/l
		Total Hardness (as CaCO ₃)	APHA 23 rd Edition: 2017 Method: 2340 C	5 mg/l to 1000 mg/l
		Calcium (as Ca)	APHA 23 rd Edition: 2017 Method: 3500 Ca ⁺² B	5 mg/l to 600 mg/l
		Magnesium (as Mg)	APHA 23 rd Edition: 2017 Method: 3500-Mg ⁺² B	5 mg/l to 600 mg/l
		Chloride (as Cl)	APHA 23 rd Edition: 2017 Method: 4500-Cl ⁻ B	5 mg/l to 1000 mg/l
		Sulphate (as SO ₄)	APHA 23 rd Edition: 2017 Method: 4500-SO ₄ ⁻² E	2 mg/l to 400 mg/l
		Nitrate (as NO ₃)	APHA 23 rd Edition: 2017 Method: 4500-NO ₃ ⁻ B	1 mg/l to 80 mg/l
		Fluoride (as F)	APHA 23 rd Edition: 2017 Method: 4500-F ⁻ C	0.1 mg/l to 10 mg/l
		Total Alkalinity (as CaCO ₃)	APHA 23 rd Edition: 2017 Method: 2320 B	5 mg/l to 1000 mg/l