

Laboratory **Supreme Envirocare, G/40, Rudrax Complex-II, Vatva, Ahmedabad, Gujarat**

Accreditation Standard **ISO/IEC 17025: 2005**

Certificate Number **TC-7817**

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Validity **14.06.2019 to 29.08.2020**

Last Amended on --

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	Acidity	IS 3025 (Part 22): 1986 (RA 2003)	04 mg/l to 100 mg/l
		Alkalinity	APHA 2320 B, 23rd Edition	04 mg/l to 100 mg/l
		Total hardness	APHA 2340 C, 23rd Edition	1 mg/l to 300 mg/l
		Calcium hardness / Calcium as Ca	APHA 3500 Ca B, 23rd Edition	1 mg/l to 200 mg/l
		Magnesium hardness / Magnesium as Mg	APHA 3500 Mg B, 23rd Edition	1 mg/l to 200 mg/l
		Chloride	APHA 4500 Cl ⁻ B, 23rd Edition	1 mg/l to 500 mg/l
		Ammonical Nitrogen	APHA 4500 NH ₃ C, 23rd Edition	1.0 mg/l to 10 mg/l
		Sulphate	APHA 4500 SO ₄ ²⁻ E, 23rd Edition	1 mg/l to 100 mg/l
		pH	IS 3025 (Part 11): 1983 (RA 2006)	4.0 to 10.00
		Total Solids (TS)	APHA 2540 B, 23rd Edition	5 mg/l to 1000 mg/l
		Total Dissolved Solids (TDS)	APHA 2540 C, 23rd Edition	5 mg/l to 500 mg/l
		Total suspended solids (TSS)	APHA 2540 D, 23rd Edition	05 mg/l to 20 mg/l
		Conductivity	APHA 2510 B, 23rd Edition	1 µs/cm to 100 µs/cm
2.	Surface Water	Acidity	IS 3025 (Part 22): 1986 (RA 2003)	10 mg/l to 1000 mg/l
		Alkalinity	APHA 2320 B, 23rd Edition	10 mg/l to 1000 mg/l
		Total hardness	APHA 2340 C, 23rd Edition	1 mg/l to 3000 mg/l
		Calcium hardness / Calcium as Ca	APHA 3500 Ca B, 23rd Edition	1 mg/l to 2000 mg/l

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		Magnesium hardness / Magnesium as Mg	APHA 3500 Mg B, 23rd Edition	1 mg/l to 200 mg/l
		Chloride	APHA 4500 Cl ⁻ B, 23rd Edition	1 mg/l to 5000 mg/l
		Chemical Oxygen Demand (COD)	APHA 5220 B, 23rd Edition	4 mg/l to 500 mg/l
		Biochemical Oxygen Demand (BOD)	IS 3025, Part-44:1993, R.A. 2003	3 mg/l to 100 mg/l
		Ammonical Nitrogen	APHA 4500 NH ₃ C, 23rd Edition	1.0 mg/l to 30 mg/l
		Sulphate	APHA 4500 SO ₄ ²⁻ E, 23rd Edition	1 mg/l to 2000 mg/l
		pH	IS 3025, Part-11:1983, R.A. 2006	4.0 to 10.00
		Total Solids (TS)	APHA 2540 B, 23rd Edition	5 mg/l to 7000 mg/l
		Total Dissolved Solids (TDS)	APHA 2540 C, 23rd Edition	5 mg/l to 2000 mg/l
		Total suspended solids (TSS)	APHA 2540 D, 23rd Edition	10 mg/l to 200 mg/l
		Conductivity	APHA 2510 B, 23rd Edition	1 µs/cm to 300 µs/cm
II.	POLLUTION ENVIRONMENT			
1.	Waste Water / Sewage Water / Effluent Water	Chemical Oxygen Demand (COD)	APHA 5220 B, 23rd Edition	4 mg/l to 10000 mg/l
		Biochemical Oxygen Demand (BOD)	IS 3025 (Part 44): 1993 (RA 2003)	3 mg/l to 500 mg/l
		Ammonical Nitrogen	APHA 4500 NH ₃ C, 23rd Edition	1.0 mg/l to 500 mg/l
		Oil and grease	IS 3025 (Part 39): 1991 (RA 2003)	1.0 mg/l to 50 mg/l
		Sulphate	APHA 4500 SO ₄ ²⁻ E, 23rd Edition	1 mg/l to 5000 mg/l

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		pH	IS 3025 (Part 11): 1983 (RA 2006)	2.0 to 14.00
		Total Solids (TS)	APHA 2540 B, 23rd Edition	5 mg/l to 20000 mg/l
		Total Dissolved Solids (TDS)	APHA 2540 C, 23rd Edition	5 mg/l to 20000 mg/l
		Total suspended solids (TSS)	APHA 2540 D, 23rd Edition	10 mg/l to 5000 mg/l
		Conductivity	APHA 2510 B, 23rd Edition	0.01 ms/cm to 200 ms/cm
		Chloride	APHA 4500 Cl ⁻ B, 23rd Edition	1 mg/l to 8000 mg/l
III.	ATMOSPHERIC POLLUTION			
1.	Ambient air Monitoring	Sulphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001 (RA 2012)	9 µg/m ³ to 200 µg/m ³
		Oxide of Nitrogen (NO ₂)	IS 5182 (Part 6): 2006	6 µg/m ³ to 300 µg/m ³
		Respirable Suspended Particulate matters –10 (RSPM ₁₀)	IS 5182 (Part 23): 2006 (RA 2012)	10 µg/m ³ to 500 mg/Nm ³
		Fine Particulate matters – 2.5 (PM _{2.5})	Lab SOP No. (W/OPN/04) Issue No. 01, Date: 01/04/2015	10 µg/m ³ to 300 µg/m ³
2.	Stack Monitoring	Sulphur Dioxide (SO ₂)	IS 11255 (Part 2): 1985 (RA 2014)	5 mg/Nm ³ to 400 mg/Nm ³
		Particulate Matter (PM)	IS 11255 (Part 1): 1985 (RA 2012)	5 mg/Nm ³ to 500 mg/Nm ³