

Laboratory Enviro-Tech Services, G-232, M.G. Road, Industrial Area, Hapur, Uttar Pradesh

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-6250 (in lieu of T-3594)

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Validity 24.09.2017 to 23.09.2019

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.	ATMOSPHERIC POLLUTION			
1.	Ambient air	Sulphur Dioxide (SO ₂)	IS: 5182 (Part-2)- 2001, RA 2012	5 µg/m ³ to 100 µg/m ³
		Oxides of Nitrogen (NO ₂)	IS: 5182 (Part-6)- 2006, RA 2006	5 µg/m ³ to 100 µg/m ³
		Particulate Matters (PM ₁₀)	IS: 5182 (Part-23)- 2006,	5 µg/m ³ to 100 µg/m ³
		Particulate Matters (PM _{2.5})	ETS/STP/AIR-03, Issue: 02, issue date: 10.12.2016 Gravimetric Method (based on CPCB Method Volume 1, May 2011)	10 µg/m ³ to 200 µg/m ³
2.	Stack emission	Particulate Matter (PM)	IS: 11255 (Part-1)- 1985, RA 2009	5 mg/Nm ³ to 1000 mg/Nm ³
		Sulphur Dioxide (SO ₂)	IS: 11255 (Part-2)- 1985, RA 2009	5 mg/Nm ³ to 500 mg/Nm ³
		Oxide of Nitrogen, (NO _x as NO ₂)	IS: 11255 (Part-7)- 2005, RA 2006	5 mg/Nm ³ to 800 mg/Nm ³
		Carbon Monoxide (CO)	IS: 13270-1992, RA 2014	0.1 to 99 % v/v
		Carbon Dioxide (CO ₂)	IS: 13270-1992, RA 2014	0.1 to 99 % v/v
		Oxygen (O ₂)	IS: 13270-1992, RA 2014	0.1 to 99 % v/v
3.	Ambient Noise Level	Ambient Noise Level	IS: 9989-1981, RA 2008	30 to 130 dB (A)
II.	WATER			
1.	Surface Water/ Ground Water/ Drinking Water/ Industrial Water / Water from purifiers	Temperature	IS: 3025 (Part-9)-1984, RA 2002	5 °C to 50 °C
		Turbidity	IS: 3025 (Part-10) –1984, RA 2012	5 NTU to 100 NTU
		pH	IS: 3025 (Part-11) –1983, RA 2012	1 to 12

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		Specific Conductivity	IS: 3025 (Part-14)-1984, RA 2002	5 µmhos/cm to 10,000 µmhos/cm
		Total Dissolved Solids (TDS)	IS: 3025 (Part-16) –1984	2 mg/l to 5000 mg/l
		Total Hardness (TH)	IS: 3025 (Part-21) – 1983, RA 2009	5 mg/l to 1000 mg/l
		Alkalinity	IS: 3025 (Part-23) – 1986, RA 2009	2 mg/l to 1000 mg/l
		Nitrate (NO ₃)	IS: 3025 (Part-34)-1988	1 mg/l to 100 mg/l
		Sulphate (SO ₄)	IS: 3025 (Part-24)1986, RA 2009	5 mg/l to 500 mg/l
		Chloride (Cl)	IS: 3025 (Part-32) –1988	2 mg/l to 3000 mg/l
		Calcium (Ca)	IS: 3025 Part-40) -1991, RA 2003	2 mg/l to 500 mg/l
		Magnesium (Mg)	IS: 3025 (Part-45)-1994, RA 2003	1 mg/l to 500 mg/l
		Biological Oxygen Demand (B.O.D)	IS: 3025 (Part-44)-1993, RA 2003	2 mg/l to1000 mg/l
		Chemical Oxygen Demand (C.O.D.)	IS: 3025 (Part-58) -2006	5 mg/l to 1000 mg/l
III.	POLLUTION & ENVIRONMENT			
1.	Waste Water (Effluents/Sewage)	pH	APHA 22 nd Ed.2012, Part 4500-H ⁺	2 to 12
		Total Suspended Solids (TSS)	APHA 22 nd Ed.2012, Part 2540-D	5 mg/l to1000 mg/l
		Total Dissolved Solids (TDS)	APHA 22 nd Ed.2012, Part 2540-C	2 mg/l to 5000 mg/l
		Biological Oxygen Demand (B.O.D)	APHA 22 nd Ed.2012, Part 5210-B	2 mg/l to 2000 mg/l
		Chemical Oxygen Demand (C.O.D.)	APHA 22 nd Ed.2012, Part-5220-B	5 mg/l to 8000 mg/l
		Oil & Grease	APHA 22 nd Ed.2012, Part-5520-C	5 mg/l to 100 mg/l