

Laboratory Green Enviro Tech Services, 40 Santhrupthi, 3rd Cross, Manjunatha Layout, Virgonagar Post, Medahalli, Old Madras Road, Bengaluru, Karnataka

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5842

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Validity 01.03.2018 to 29.02.2020

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/ Ground Water/ Surface Water	pH Value	IS:3025(Part 11) Electrometric	2.0 to 12.0
		Turbidity	IS 3025(Part 10) Nephelometric	0.1 NTU to 40 NTU
		Total Dissolved Solids	IS 3025(Part 16) Gravimetric	1 mg/L to 2000 mg/L
		Total Suspended Solids	IS 3025(Part 17) Gravimetric	1 mg/L to 70 mg/L
		Conductivity	IS:3025(Part 14) Electrometric	1 µS/cm to 3000 µS/cm
		Total Hardness	IS 3025(Part 21) EDTA Titrimetric	2 mg/L to 1000 mg/L
		Chloride	IS 3025(Part 32) Argentometric	1 mg/L to 1000 mg/L
		Total Alkalinity	IS 3025(Part 23) Titrimetric	1 mg/L to 1000 mg/L
		Iron	IS :3025(Part-53) 1,10 Phenonthroline	0.1 mg/L to 20 mg/L
		Color	IS :3025(Part-04) Visual Comparison	1 TCU to 50 TCU
		Fluoride	APHA 23 rd Edition 4500F D SPADNS Method	0.1 mg/L to 4 mg/L
		Sulphate	IS :3025(Part 24) 1986 RA:2009 Turbidimetric	1 mg/L to 500 mg/L
		Total Acidity	IS :3025(Part-22) 1986 RA:2014 Titrimetric	2 mg/L to 1000 mg/L
		Nitrate	IS :3025(Part-34) Chromotrophic	0.1 mg/L to 100 mg/L

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		Boron	APHA 23 rd Edition 4500 B.B Curcumin method	0.1 mg/L to 5 mg/L
		Residual Free Chlorine	IS 3025(Part-26) Titrimetric	0.1 mg/L to 10 mg/L
		Calcium as Ca	IS 3025(Part-40) Titrimetric	1 mg/L to 1000 mg/L
		Magnesium as Mg	IS 3025(Part-46) Calculation Method	0.5 mg/L to 1000 mg/L
		Temperature	IS 3025 (Part 09)	20 °C to 40 °C
		Odour	IS 3025 (Part 05)	Qualitative
II.	POLLUTION AND ENVIRONMENT			
1.	Waste Water (Effluents/ Sewage Water)	pH Value	IS:3025(Part 11) Electrometric	2.0 to 12.0
		Turbidity	IS 3025(Part 10) Nephelometric	1 NTU to 40 NTU
		Total Dissolved Solids	IS 3025(Part 16) Gravimetric	1 mg/L to 2000 mg/L
		Total Suspended Solids	IS 3025(Part 17) Gravimetric	1 mg/L to 70 mg/L
		Conductivity	IS:3025(Part 14) Electrometric	1 µS/cm to 3000 µS/cm
		Chloride	IS 3025(Part 32) Argentometric	1 mg/L to 1000 mg/L
		Oil & Grease	IS 3025(Part 39) Gravimetric	2 mg/L to 100 mg/L
		Biochemical Oxygen Demand, @27 °C for 3 Days & 5 days @20 °C	IS 3025(Part 44) Winkler method	3 mg/L to 5000 mg/L
		Chemical Oxygen Demand	IS 3025(Part 58) Open reflux	5 mg/L to 5000 mg/L
		Residual Free Chlorine	IS 3025(Part-26) Titrimetric	0.1 mg/L to 10 mg/L

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		Color	IS :3025(Part-04) Visual Comparison	1TCU to 50 TCU
		Sulphate	IS :3025(Part 24) Turbidimetric	1 mg/L to 1000 mg/L
		Total Hardness	IS 3025(Part 21) EDTA Titrimetric	2 mg/L to 1000mg/L
		Dissolved Oxygen	IS 3025(Part 38) Winkler Method	1 mg/L to 10 mg/L
		Total Alkalinity	IS 3025(Part 23) Titrimetric	1 mg/L to 1000 mg/L
		Boron	APHA 23 nd Edition 4500 B.B Curcumin method	0.1 mg/L to 10 mg/L
		Total Phosphorous as P	IS 3025(Part 31) Stannous Chloride Method	0.1 mg/L to 25 mg/L
		Odour	IS 3025 (Part 05)	Qualitative
		Calcium as Ca	IS 3025(Part-40) Titrimetric	1 mg/L to 1000 mg/L
		Magnesium as Mg	IS 3025(Part-46) Calculation Method	0.5 mg/L to 1000 mg/L
		Total Acidity	IS :3025(Part-22) Titrimetric	2 mg/L to 1000 mg/L
III.	ATMOSPHERIC POLLUTION			
1.	Ambient Air	Particulate Matter PM ₁₀	IS: 5182(Part 23) Cyclonic Flow Technique	10 µg / m ³ to 200 µg / m ³
		Sulphur Dioxide	IS: 5182(Part 02)	4 µg / m ³ to 100 µg / m ³
		Nitrogen Dioxide	IS: 5182 (Part 06)	6 µg / m ³ to 750 µg/m ³
2.	Stack Emission	Particulate Matter	IS: 11255 (Part 01)	10 mg/Nm ³ to 200 mg/Nm ³
		Sulphur Dioxide	IS: 11255(Part 02)	5 mg/Nm ³ to 100 mg/Nm ³
		Oxide of Nitrogen	IS: 11255(Part 07)	5 mg/Nm ³ to 400 mg/Nm ³

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CHEMICAL TESTING

AT SITE				
1.	ATMOSPHERIC POLLUTION			
1	Ambient Noise levels (On Site)	Ambient Noise, dB (A)	IS 9989	30 dB (A) to 130 dB (A)

Pankaj Johri
Convenor

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Program Director