

Laboratory Clean Technologies, No. 13, 3rd Floor, St. Johns Church Road,
Bangalore, Karnataka

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-6988

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Validity 05.03.2018 to 04.03.2020

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	pH Value	IS 3025 (Part 11) Electrometric Method	3.0 to 12.0
		Turbidity	IS 3025 (Part 10) Nephelometric Method	0.5 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 Method	1 mg/L to 50 mg/L
		Conductivity @25°C	IS 3025 (Part 14) Electrometric Method	1 µs/cm to 5000 µs/cm
		Total Hardness as CaCO ₃	IS 3025 (Part 21) EDTA Titrimetric Method	2 mg/L to 1000 mg/L
		Calcium as Ca	IS 3025 (Part 40) EDTA Titrimetric Method	1 mg/L to 200 mg/L
		Magnesium as Mg	IS 3025 (Part 46) Titrimetric Method	1 mg/L to 100 mg/L
		Chloride as Cl	IS 3025 (Part 32) Argentometric Method	1 mg/L to 1000 mg/L
		Total Alkalinity as CaCO ₃	IS 3025 (Part 23) Titrimetric Method	1 mg/L to 1000 mg/L
II.	POLLUTION & ENVIRONMENT			
1.	Waste Water/ Effluents	pH Value	IS 3025 (Part 11) Electrometric Method	1.0 to 14.0
		Turbidity	IS 3025 (Part 10) Nephelometric Method	1 NTU to 100 NTU
		Total Dissolved Solids	IS 3025 (Part 16) Gravimetric Method	1 mg/L to 5000 mg/L

Pooja Singh
Convenor

Alok Jain
Program Director

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		Total Suspended Solids	IS 3025 (Part 17) Gravimetric Method	1 mg/L to 500 mg/L
		Conductivity @ 25 °C	IS 3025 (Part 14) Electrometric Method	1 µs/cm to 8000 µs/cm
		Chloride as Cl	IS 3025 (Part 32) Argentometric Method	2 mg/L to 2000 mg/L
		Oil & Grease	IS 3025 (Part 39) Gravimetric Method	2 mg/L to 100 mg/L
		Biological Oxygen Demand (3 days @ 27 °C)	IS 3025 (Part 44) Winkler method	3 mg/L to 250 mg/L
		Chemical Oxygen Demand	IS 3025 (Part 58) Open reflux Method	5 mg/L to 500 mg/L

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CHEMICAL TESTING

AT SITE				
I.	ATMOSPHERIC POLLUTION			
1.	Ambient Air Quality Monitoring	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 2)	4 µg/m ³ to 100 µg/m ³
		Oxides of Nitrogen	IS 5182 (Part 6)	6 µg/m ³ to 750 µg/m ³
2.	Stack Monitoring	Particulate Matter	IS 11255 (Part 1)	10 mg/Nm ³ to 200 mg/Nm ³
		Sulphur Dioxide	IS 11255 (Part 2)	5 mg/Nm ³ to 100 mg/Nm ³
		Oxide of Nitrogen	IS 11255 (Part 7)	5 mg/Nm ³ to 400 mg/Nm ³

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