



# NABL

**Department of Science & Technology, India**

## SCOPE OF ACCREDITATION

<b>Laboratory</b>	<b>Eco-Care Instruments Private Limited, RZ-F-1, Second Floor, Mahaveer Enclave, Opposite Sulabh International, New Delhi</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>20.11.2012</b>
<b>Certificate Number</b>	<b>T-2386</b>	<b>Valid Until</b>	<b>19.11.2014</b>
<b>Last Amended on</b>	<b>07.01.2014</b>	<b>Page</b>	<b>1 of 4</b>

<b>S.No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
<b>I. WATER</b>				
1.	<b>Water</b>	Colour	2120 C: APHA 22 <sup>nd</sup> Edition:2012	Qualitative
		Turbidity	IS : 3025 (Part 10) : 1984	0 NTU to 1000 NTU
		pH Value	4500 B : APHA 22 <sup>nd</sup> Edition:2012	0.1 to 13.9
		Total Hardness (as CaCO <sub>3</sub> )	IS 3025 (Part 21) : 2005,	1 to 10000
		Fluoride	4500-F D: APHA 22 <sup>nd</sup> Edition :2012	0.1 to 50
		Chloride (as Cl)	4500 B -APHA 22 <sup>nd</sup> Edition:2012	1 to 10000
		Iron	IS 3025 (Part 53) : 2003 (1-10, Phenanthroline Method)	0.01 to 50
		Dissolved Solids	2540 C: APHA 22 <sup>nd</sup> Edition : 2012 ( Dried at 180° C)	1 to 10000
		Aluminum	3500-AI , B : APHA 22 <sup>nd</sup> Edition: 2012	0.01 to 50
		Ammonia	IS 3025 (Part 34) 1988, Titrimetric Method	0.1 to 100
		Boron	4500-B, APHA 22 <sup>nd</sup> Edition: 2012 Carmine Method	0.1 to 50
		Calcium	IS 3025 (Part 40) 1991, EDTA Titrimetric Method	1 to 10000

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Water	Magnesium	3500 Mg :APHA 22 <sup>nd</sup> Edition :2012	1 to 10000
		Manganese	3500 Mn-B.:APHA 22 <sup>nd</sup> Edition : 2012	0.01 to 50
		Nitrate	IS 3025 (Part 34) 1988, Chromotropic Acid Method	0.1 to 100
		Sulphate	4500-SO <sub>4</sub> <sup>2-</sup> E :APHA 22 <sup>nd</sup> Edition: 2012	1 to 1000
		Sulphide	4500 S <sup>2-</sup> F:APHA 22 <sup>nd</sup> Edition : 2012	0.05 to 20
		Total Alkalinity	2320 B, APHA 22 <sup>nd</sup> Edition 2012	25 to 10000
		Total Solids	2540 B:APHA 22 <sup>nd</sup> Edition:2012	1 to 10000
		Sodium	3500 Na-B.:APHA 22 <sup>nd</sup> Edition : 2012	1 to 100
		Potassium	3500 K-B: APHA 22 <sup>nd</sup> Edition : 2012	1 to 100
		Total Chromium	IS 3025 (Part 52) : 2003, DPC Method	0.01 to 50

### II. POLLUTION AND ENVIRONMENT

1.	Effluent/ Waste Water	pH Value	4500 B : APHA 22 <sup>nd</sup> Edition : 2012	0.1 to 13.9
		Total Dissolved Solids	2540 C: APHA 22 <sup>nd</sup> Edition: 2012 (Dried at 180°C)	1 to 10000
		Total Suspended Solids	2540 D: APHA 22 <sup>nd</sup> Edition: 2012 (Dried at 103-105°C)	1 to 10000
		Oil and Grease	5520 B: APHA 22 <sup>nd</sup> Edition: 2012	1 to 10000

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