Laboratory	**Centre of Excellence (Div. of Vapi Green Enviro Limited), Survey No. 863, P/864, 735/P, 1st Phase GIDC Vapi, Gujarat**
Accreditation Standard	**ISO/IEC 17025: 2005**
Certificate Number	**TC-5283** **Page 1 of 3**
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CHEMICAL TESTING

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I.	**POLLUTION & ENVIRONMENT**			
1.	**Effluents/ Waste Water**	pH	APHA 22nd Edition 2012 4500-H^+	0.3 to 12.8
		Temperature	APHA 22nd Edition 2012 2550	1°C to 100 °C
		Total Solids	APHA 22nd Edition 2012 2540-B	2 mg/l to 60000 mg/l
		Total Dissolved Solids	APHA 22nd Edition 2012 2540-C	2 mg/l to 50000 mg/l
		Total Suspended Solids	APHA 22nd Edition 2012 2540-D	3 mg/l to 10000 mg/l
		Fixed Solids	APHA 22nd Edition 2012 2540-E	2 mg/l to10000 mg/l
		Volatile Solids	APHA 22nd Edition 2012 2540-E	2 mg/l to10000 mg/l
		Chlorides as Cl	APHA 22nd Edition 2012 4500 Cl B Argentometric Method	1 mg/l to10000 mg/l
		Sulphates as SO_4	APHA 22nd Edition 2012 4500 C Gravimetric Method	10 mg/l to1000 mg/l
		Sulphides as S	APHA 22nd Edition 4500F Iodometric Method	1 mg/l to 10 mg/l
		Nitrate as NO_3	APHA 22nd Edition 4500 NO_3 B UV- Spectrophotometer Method	0.5 mg/l to 100 mg/l
		Nitrite as NO_2	APHA 22nd Edition 4500 NO_2 B Colorimetric Method	0.5 mg/l to 100 mg/l
		Ammonical Nitrogen as NH_3	APHA 22nd Edition 2012 4500 – NH_3-C Titrimetric Method	2 mg/l to 100 mg/l

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Fluorides as F	APHA 22nd Edition 4500 F	0.5 mg/l to 100 mg/l
		Dissolved Oxygen	APHA 22nd Edition 4500 O –C Azide Modification	0.5 mg/l to 10 mg/l
		Oil & Grease	APHA 22nd Edition 5520 B Partition-Gravimetric Method	1 mg/l to 100 mg/l
		Chemical Oxygen Demand	APHA 22nd Edition 5220 B Open Reflux Method	8 mg/l to 30000 mg/l
		Biological Oxygen Demand (5 days at 20^0C)	APHA 22nd Edition 5210 B 5-day BOD test	5 mg/l to 10000 mg/l
		Phenolic Compounds as Phenols	APHA 22nd Edition 5530 D Direct Photometric Method	0.1 mg/l to 100 mg/l
		Phosphorus as P	APHA 22nd Edition 3120 B Inductive Coupled Plasma	0.2 mg/l to 100 mg/l
		Cadmium as Cd	APHA 22nd Edition 3120 B Inductive Coupled Plasma	0.01 mg/l to 100 mg/l
		Total Chromium as Cr	APHA 22nd Edition 3120 B Inductive Coupled Plasma	0.01 mg/l to 100 mg/l
		Hexavalent Chromium as (Cr VI)	APHA 22nd Edition 3500 – Cr B Colorimetric Method	0.1 mg/l to 10 mg/l
		Iron as Fe	APHA 22nd Edition 3120 B Inductive Coupled Plasma	0.02 mg/l to 100 mg/l
		Lead as Pb	APHA 22nd Edition 3120 B Inductive Coupled Plasma	0.01 mg/l to 100 mg/l
		Manganese as Mn	APHA 22nd Edition 3120 B Inductive Coupled Plasma	0.01 mg/l to 100 mg/l
		Nickel as Ni	APHA 22nd Edition 2012 3120 B Inductive Coupled Plasma	0.01 mg/l to 100 mg/l
		Arsenic as As	APHA 22nd Edition 3120 B Inductive Coupled Plasma	0.03 mg/l to 100 mg/l
		Zinc as Zn	APHA 22nd Edition 3120 B Inductive Coupled Plasma	0.01 mg/l to 100mg/l

Sangeeta Negi
Convenor

N. Venkateswaran
Program Director

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Copper as Cu	APHA 22nd Edition 3120 B Inductive Coupled Plasma	0.02 mg/l to 100 mg/l
		Silica as SiO_2	APHA 22nd Edition 3120 B Inductive Coupled Plasma	0.01 mg/l to 10mg/l
		Sodium as Na	APHA 22nd Edition 3120 B Inductive Coupled Plasma	0.05 mg/l to 1000 mg/l
		Mercury as Hg	APHA 22nd Edition 3120 B Inductive Coupled Plasma	0.02 mg/l to 10 mg/l
		Conductivity	APHA 22nd Edition 2510	0.05 µS/cm to 200000 µS/cm

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