Laboratory Centre of Excellence - Quality Testing Facility & R & D Centre (Div. of

Vapi Waste & Effluent Management Co. Ltd.), Survey No. 863, P/864, 735/P, 1st Phase GIDC Vapi-Gujarat

Accreditation Standard ISO/IEC 17025: 2005

Chemical Testing Discipline Issue Date 24.10.2014

Certificate Number T-3159 Valid Until 23.10.2016

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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
I. POL	LUTION & ENVIR	ONMENT		
1.	Effluents/ Waste Water	pH	APHA (22 nd Edition) 4500-H ^{+:} 2012	0.2 to 13.8
		Temperature	APHA (22 nd Edition) 2550: 2012	1 °C to 100 °C
		Total Solids	APHA (22 nd Edition) 2540: B 2012	2 mg/L to 60000 mg/L
		Total Dissolved Solids	APHA (22 nd Edition) 2540: C 2012	2 mg/L to 50000 mg/L
		Total Suspended Solids	APHA (22 nd Edition) 2540: D 2012	3 mg/L to 10000 mg/L
		Fixed Solids	APHA (22 nd Edition) 2540: E 2012	2 mg/L to 10000 mg/l
		Volatile Solids	APHA (22 nd Edition) 2540: E 2012	2 mg/L to 10000 mg/L
		Chlorides as Cl	APHA (22 nd Edition) 4500: Cl B 2012 Argentometric Method	1 mg/L to 10000 mg/L
		Sulphates as SO ₄	APHA (22 nd Edition) 4500: C 2012 Gravimetric Method	10 mg/L to 1000 mg/L
		Sulphides as S	APHA (22 nd Edition) 4500 F Iodometric Method	1 mg/L to 10 mg/L
		Nitrate as NO ₃	APHA (22 nd Edition) 4500 NO3 B UV- Spectrophotometer Method	0.5 mg/L to 100 mg/L
		Nitrite as NO ₂	APHA (22 nd Edition) 4500 NO2 B Colorimetric Method	0.5 mg/L to $100 mg/L$
		Ammonical Nitrogen as NH ₃	APHA (22 nd Edition) 4500-NH3-C: 2012 Titrimetric Method	2 mg/L to 100 mg/L
		Fluorides as F	APHA (22 nd Edition) 4500 F	0.5 mg/L to 100 mg/L
		Dissolved Oxygen	APHA (22 nd Edition) 4500 O - C Azide Modification	0.5 mg/L to 10 mg/L

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	Effluents/ Waste Water	Oil & Grease	APHA (22 nd Edition) 5520 B Partition-Gravimetric Method	1 mg/L to 100 mg/L
		Chemical Oxygen Demand	APHA (22 nd Edition) 5220 B Open Reflux Method	8 mg/L to 30000 mg/L
		Biological Oxygen Demand (5 days at 20 °C)	APHA (22 nd Edition) 5210 B 5-day BOD test	5 mg/L to 10000 mg/L
		Biological Oxygen Demand (3 days at 27 °C)	IS 3025 part 44-1993: (RA 1999) Ad.1	5 mg/L to 10000 mg/L
		Phenolic Compounds as Phenols	APHA (22 nd Edition) 5530 D Direct Photometric Method	0.1 mg/L to 100 mg/L
		Phosphorus as P	APHA (22 nd Edition) 3120 B Inductive Coupled Plasma	0.2 mg/L to 100 mg/L
		Cadmium as Cd	APHA (22 nd Edition) 3120 B Inductive Coupled Plasma	0.01 mg/L to 100 mg/L
		Total Chromium as Cr	APHA (22 nd Edition) 3120 B Inductive Coupled Plasma	0.01 mg/L to 100 mg/L
		Hexavalent Chromium as (Cr VI)	APHA (22 nd Edition) 3500 - Cr B Colorimetric Method	0.1 mg/L to 10 mg/L
		Iron as Fe	APHA (22 nd Edition) 3120 B Inductive Coupled Plasma	0.02 mg/L to 100 mg/L
		Lead as Pb	APHA (22 nd Edition) 3120 B Inductive Coupled Plasma	0.01 mg/L to 100 mg/L
		Manganese as Mn	APHA (22 nd Edition) 3120 B Inductive Coupled Plasma	0.01 mg/L to 100 mg/L

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	Effluents/ Waste Water	Nickel as Ni	APHA (22 nd Edition) 3120 B: 2012 Inductive Coupled Plasma	0.01 mg/L to 100 mg/L
		Arsenic as As	APHA (22 nd Edition) 3120 B Inductive Coupled Plasma	0.03 mg/L to 100 mg/L
		Zinc as Zn	APHA (22 nd Edition) 3120 B Inductive Coupled Plasma	0.01 mg/L to 100 mg/L
		Copper as Cu	APHA (22 nd Edition) 3120 B Inductive Coupled Plasma	0.02 mg/L to 100 mg/L
		Silica as SiO ₂	APHA (22 nd Edition) 3120 B Inductive Coupled Plasma	0.01 mg/L to 10 mg/L
		Sodium as Na	APHA (22 nd Edition) 3120 B Inductive Coupled Plasma	0.05 mg/L to 1000 mg/L
		Mercury as Hg	APHA (22 nd Edition) 3120 B Inductive Coupled Plasma	0.02 mg/L to $10 mg/L$
		Conductivity	APHA (22 nd Edition) 2510	0.05 uS/cm to 200000 uS/cm

Sangeeta Negi Convenor

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