

Laboratory	Regional Laboratory, M.P. Pollution Control Board, 17, Bharatpuri, Ujjain, Madhya Pradesh		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	09.07.2015
Certificate Number	T-2594	Valid Until	08.07.2017
Last Amended on	31.07.2015	Page	1 of 4

S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I.	WATER			
1.	Surface water & Ground water	Temperature	APHA (22 nd Edition) 2550 B: 2012	1 °C to 100 °C
		pH	APHA (22 nd Edition) 4500H ⁺ B: 2012 Electrometric Method	1 to 14
		Total Solids	APHA (22 nd Edition) 2540 B: 2012 Gravimetric Method	10 mg/L to 50000 mg/L
		Total Dissolved Solid	APHA (22 nd Edition) 2540 C: 2012 Gravimetric Method	10 mg/L to 50000 mg/L
		Total Suspended Solid	APHA (22 nd Edition) 2540 D: 2012 Gravimetric Method	5 mg/L to 1000 mg/L
		Specific Conductance	APHA (22 nd Edition) 2510 B: 2012 by conductivity meter	1 micromho/cm to 20000 micromho/cm
		Turbidity	APHA (22 nd Edition) 2130 B: 2012 Nephelometric Method	1 NTU to 1000 NTU
		Total Alkalinity as CaCO ₃	APHA (22 nd Edition) 2320 B: 2012 Titrimetric Method	10 mg/L to 1000 mg/L
		Total Hardness as CaCO ₃	APHA (22 nd Edition) 2340 C: 2012 EDTA Titrimetric Method	10 mg/L to 5000 mg/L
		Calcium as CaCO ₃	APHA (22 nd Edition) 3500 Ca B: 2012 EDTA Titrimetric Method	5 mg/L to 5000 mg/L
		Magnesium as CaCO ₃	APHA (22 nd Edition) 2340 B: 2012 Calculation Method	5 mg/L to 5000 mg/L

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	Surface Water & Ground Water	Chloride as Cl^-	APHA (22 nd Edition) 4500 Cl ⁻ B: 2012 Argentometric Method	5 mg/L to 30000 mg/L
		Sulphate as SO_4^{2-}	APHA (22 nd Edition) 4500 SO_4^{2-} E: 2012 Turbidimetric method	1 mg/L to 5000 mg/L
			APHA (22 nd Edition) 4500 SO_4^{2-} D: 2012 Gravimetric method Method	
		Phosphate as PO_4^{3-} -P	APHA (22 nd Edition) 4500 P D: 2012 Method Stannous Chloride	0.1 mg/L to 20 mg/L
		Ammonical Nitrogen as NH_3 -N	APHA (22 nd Edition) 4500 NH_3 F: 2012 Phenate Method	0.1 mg/L to 200 mg/L
		Nitrogen Nitrate as NO_3^- -N	APHA (22 nd Edition) 4500 NO_3 B: 2012 UV Spectrophotometric Method.	0.1 mg/L to 100 mg/L
		Nitrogen Nitrite as NO_2^- -N	APHA (22 nd Edition) 4500 NO_2 B: 2012 Colorimetric Method	0.002 mg/L to 5 mg/L
		Dissolved Oxygen	APHA (22 nd Edition) 4500 O C: 2012 Azide Modification	1 mg/L to 10 mg/L
	Sodium as Na^+	APHA (22 nd Edition) 3500 Na B: 2012 Flame-photometer Method	5 mg/L to 1000 mg/L	

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	Surface Water & Ground Water	Potassium as K ⁺	APHA (22 nd Edition) 3500 K B: 2012 Flame –photometer Method	1 mg/L to 200 mg/L
		BOD (3 Day BOD Test)	IS 3025 (Part 44): 1993	1 mg/L to 1000 mg/L
		COD	APHA (22 nd Edition) 5220 B: 2012 Open Reflux Method	5 mg/L to 5000 mg/L
		Total Kjeldahl Nitrogen	APHA (22 nd Edition) 4500 Norg-B: 2012	1 mg/L to 100 mg/L
2.	Waste Water	Temperature	APHA (22 nd Edition) 2550 B: 2012	1 °C to 100 °C
		pH	APHA (22 nd Edition) 4500-H ⁺ B: 2012 Electrometric Method	1 to 14
		Total Solids	APHA (22 nd Edition) 2540 B: 2012 Gravimetric Method	10 mg/L to 100000 mg/L
		Total Dissolved Solid	APHA (22 nd Edition) 2540 C: 2012 Gravimetric Method	10 mg/L to 100000 mg/L
		Total Suspended Solid	APHA (22 nd Edition) 2540 D: 2012 Gravimetric Method	5 mg/L to 5000 mg/L
		Chloride as Cl ⁻	APHA (22 nd Edition) 4500 Cl ⁻ B: 2012 Argentometric Method	5 mg/L to 100000 mg/L
		BOD (3 Day BOD Test)	IS 3025 (Part 44): 1993	1 mg/L to 50000 mg/L

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	Waste Water	COD	APHA (22 nd Edition) 5220 B: 2012 Open Reflux Method	5 mg/L to 100000 mg/L
		Oil & Grease	APHA (22 nd Edition) 5520 B: 2012 Gravimetric Method	2 mg/L to 100 mg/L

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