

Laboratory	Ultra Testing and Research Laboratory, C- 43, 1st Floor, Sector-88, Noida, Gautam Budh Nagar, Uttar Pradesh		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	19.10.2014
Certificate Number	T-3142	Valid Until	18.10.2016
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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.	WATER			
I	Water (Ground Water/ Surface Water)	pH	IS 3025 (Part 11): 1983 (RA 2012)	1 to 13
		Total Hardness	IS 3025 (Part 21): 2009	2 mg/l to 1000 mg/l
		Iron	IS 3025 (Part 53): 2003 (RA 2009))	0.1 mg/l to 10 mg/l
		Chloride	IS 3025 (Part 32): 1988 (RA 2003)	2 mg/l to 1000 mg/l
		Fluoride	IS 3025 (Part 60): 2008	0.1 mg/l to 5.0 mg/l
		Total solid	IS 3025 (Part 15): 1984 (RA 2012)	5 mg/l to 10000 mg/l
		Conductivity at 25°C	IS 3025 (Part 14): 2013 Conductivity meter	1 µs/cm 10000 µs/cm
		Total suspended solids	IS 3025 (Part 17): 1984 (RA 2012)	5 mg/l to 1000 mg/l
		Sodium	IS 3025 (Part 45): 1993 (RA 2003)	5 mg/l to 1000 mg/l
		Biochemical Oxygen Demand (BOD)	IS 3025 (Part 44): 1993, (RA 2009) 27 ^o C for 3 days	2 mg/l to 1000 mg/l
		Potassium	IS 3025 (Part 45): 1993 (RA 2003)	5 mg/l to 1000 mg/l
		Nitrite	IS 3025 (Part 34): 1988 (RA 2009)	0.02 mg/l to 100 mg/l

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	Water (Ground Water/ Surface Water)	Chemical Oxygen Demand (COD)	IS 3025 (Part 58): 2006 (RA 2012)	5 mg/l to 10000 mg/l
		Total Dissolved Solids (TDS)	IS 3025 ((Part 16): 1984 (RA 2006)	5 mg/l to 10000 mg/l
		Calcium	IS 3025 (Part 40): 1991 (RA 2009)	2 mg/l to 1000 mg/l
		Magnesium	IS 3025 (Part 46): 1994 (RA 2009)	2 mg/l to 1000 mg/l
		Sulphate	IS 3025 ((Part 24): 1986 (RA 2009)	5 mg/l to 400 mg/l
		Nitrate	IS 3025 (Part 34)-1988, (RA 2009)	2 mg/l to 100 mg/l
		Chromium (Hexavalent)	IS 3025 (Part 52): 2003	0.05 mg/l to 50 mg/l
		Alkalinity	IS 3025 ((Part 23): 1986 (RA 2009)	2.0 mg/l 1000 mg/l
		Phosphate	IS 3025 (Part 31): 1988 (RA 2003)	2 mg/l to 100 mg/l
		Silica	IS 3025 (Part 35)1988 (RA 2003)	2.0 mg/l to 100 mg/l
2.	Waste Water and Effluents	pH	IS 3025 (Part 11): 1983 (RA 2012)	1 to 13
		Total Dissolved Solid (TDS)	IS 3025 ((Part 16): 1984 (RA 2006)	5 mg/l to 10000 mg/l

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	Waste Water and Effluents	Total Suspended Solid (TSS)	IS 3025 (Part 17) (RA 2012)	5 mg/l to 1000 mg/l
		Oil & Grease	IS 3025 (Part 39): 1991 (RA 2003)	5 mg/l to 100 mg/l
		Biochemical Oxygen Demand (BOD)	IS 3025 (Part 44): 1993 (RA 2009)	2 mg/l to 10000 mg/l
		Chemical Oxygen Demand (COD)	IS 3025 (Part 58): 2006 (RA 2012)	5 mg/l to 1000 mg/l

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