

Laboratory Environmental Lab, Research Division, Orient Paper Mill, P.O. Amlai Paper Mills, Dist. Shahdol, Madhya Pradesh

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-6769

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Validity 12.01.2018 to 11.01.2020

Last Amended on --

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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CHEMICAL TESTING

I.	POLLUTION & ENVIRONMENT			
1.	Water and Waste Water	pH	IS 3025 (Part 11): 1983 (RA 2002) APHA 22 nd Edition , 4500- H-B	1 to 14 Unit
		Conductivity	IS 3025 (Part 14): 1984 (RA 2002) APHA 22 nd Edition, 2510-B	1 μΩ/cm to 10000 μΩ/cm
		Temperature	IS 3025 (Part 9): 1984 (RA 2002) APHA 22 nd Edition Measurement with Calibrated Thermometer	Ambient to 60 °C
		Dissolved Oxygen	IS 3025 (Part 38): 1989 (RA 2002) APHA 22 nd Edition, 4500-O-C	1 mg/l to 20 mg/l
		Colour, Pt-Co, unit	IS 3025 (Part 4): 1983 (RA 2002) APHA 22 nd Edition, 2120-C	10 Ptto Co unit to 5000 Ptto Co unit
		Suspended Solids	IS 3025 (Part 17): 1984 (RA 2002) AMD -1 APHA 22 nd Edition ,2540-D	10 mg/l to 5000 mg/l
		Dissolve Solids	IS 3025 (Part 16): 1984 (RA 2002) APHA 22 nd Edition, 2540-C	25 mg/l to 5000 mg/l
		Volatile Solids	IS 3025 (Part 18): 1984 (RA 2002) APHA 22 nd Edition, 2540-E	50 mg/l to 5000 mg/l

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Convenor

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Program Director

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		Total Solids	IS 3025 (Part 15): 1984 (RA 2002) AMD-1 APHA 22 nd Edition, 2540-B	25 mg/l to 10000 mg/l
		Turbidity	IS 3025 (Part 10): 1984 (RA 2002) APHA ,2130- B	5 NTU to 1000 NTU
		Oil and Grease	IS 3025 (Part 39): 1991 (RA 2003) APHA, 5520-B	10 mg/l to 100 mg/l
		Total Kjeldahl Nitrogen	IS 3025 (Part 34): 1988 (RA 2003) APHA, 4500-N-org-B	2 mg/l to 100 mg/l
		Chloride	IS 3025(Part 32): 1988 (RA 2003) APHA 4500, Cl-B	1.0 mg/l to 1000 mg/l
		Fluoride	IS 3025 (Part 60): 2008 (RA 2008) APHA 4500,F-C	0.1 mg/l to 100 mg/l
		Phosphate	IS 3025 (Part 31): 1988 (RA 2003) APHA 4500,P-D	0.1 ppm to 100 ppm
		Sulphate	IS 3025 (Part 24): 1986 (RA 2003) APHA, 4500,SO ₄ ,-E	1.0 mg/l to 1000 mg/l
		Sodium	IS 3025 (Part 45): 1993 (RA 2003) APHA 22 nd Edition, 3500 Na-D	1 ppm to 1000 ppm
		Potassium	IS 3025 (Part 45): 1993 (RA 2003) APHA 22 nd Edition, 3500 K-D	1 ppm to 1000 ppm
		Calcium	IS 3025(Part 40): 1991 (RA 2004) APHA 22 nd Edition, 3500 Ca-B	1 ppm to 1000 ppm

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		Magnesium	IS 3025 (Part 46): 1994 (RA 2003) APHA 22 nd Edition, 3500-Mg-B	1 ppm to 250 ppm
		Alkalinity	IS 3025 (Part 23): 1986 (RA 2006) APHA 22 nd Edition, 2320-B	0.5 ppm to 1000 ppm
		Biological Oxygen demand (BOD ₃) at 27 °C	IS 3025(Part 44): 1993 (RA 2000) APHA 22 nd Edition, 5210-B	2 mg/l to 3000 mg/l
		Chemical oxygen demand	IS 3025 (Part 58): 2006 (RA 2006) APHA 22 nd Edition, 5220- B	4 mg/l to 10000 mg/l
		Total Hardness as CaCO ₃	IS 3025 (Part 21): 1983 (RA 2000) APHA 22 nd Edition, 2340-C	1 mg/l to 1000 mg/l
		Cadmium	IS 3025 (Part 41): 1992 (RA 2003) APHA 22 nd Edition, 3500 Cd-B (RA 2003)	0.2 ppm to 20 ppm
		Iron	IS 3025 (Part 53): 2003 (RA 2003) APHA 22 nd Edition-3500 F-D	0.5 ppm to 100 ppm
		Copper	IS 3025 (Part 42): 1992 (RA 2004) APHA 22 nd Edition 3500 Cu-B	0.5 mg/l to 100 mg/l
		Zinc	IS 3025 (Part 49): 1994 (RA 2000) APHA 22 nd Edition 3500 Zn-B	0.2 ppm to 100 ppm
		Lead	IS 3025 (Part 47): 1994 (RA 2003) APHA 22 nd Edition, 3500 Pb-B	1.0 ppm to 100 ppm

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