



**National Accreditation Board for
Testing and Calibration Laboratories**
(A Constituent Board of Quality Council of India)



CERTIFICATE OF ACCREDITATION

AVANTHA CENTRE FOR INDUSTRIAL RESEARCH & DEVELOPMENT

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2005

"General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

Paper Mill Campus, Yamuna Nagar, Haryana

in the field of

TESTING

Certificate Number TC-7643 (in lieu of T-3078, T-3079)

Issue Date 22/08/2018

Valid Until 21/08/2020

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Signed for and on behalf of NABL



89076970100030001832

Anil Relia

Anil Relia
Chief Executive Officer



National Accreditation Board for Testing and Calibration Laboratories

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SCOPE OF ACCREDITATION

Laboratory Avantha Centre for Industrial Research & Development, Paper Mill Campus, Yamuna Nagar, Haryana

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-7643 (in lieu of T-3078, T-3079)

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Validity 22.08.2018 to 21.08.2020

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.	Waste water (Effluent /Sewage)	pH	IS 3025 (Part 11) Electrometric Method	1 to 13
		Temperature	IS 3025 (Part 9)	10 °C to 70 °C
		Total Solids	IS 3025 (Part 15)	20 mg/L to 2500 mg/L
		Total Suspended Solids	IS 3025 (Part 17)	20 mg/L to 2500 mg/L
		Total Dissolved Solids	IS 3025 (Part 16)	25 mg/L to 2500 mg/L
		Chemical Oxygen Demand	IS 3025 (Part 58)	10 mg/L to 900 mg/L
		Biochemical Oxygen Demand (BOD) 3 Days at 27 °C	IS 3025 (Part 44)	2 mg/L to 400 mg/L
		Sulphate	IS 3025 (Part 24) Gravimetric Method	50 mg/L to 1000 mg/L
		Chloride	IS 3025 (Part 32) Argentometric Method	20 mg/L to 3000 mg/L
		Acidity	IS 3025 (Part 22)	20 mg/L to 500 mg/L
		Alkalinity	IS 3025 (Part 23)	20 mg/L to 500 mg/L
		Total Hardness	IS 3025 (Part 21) EDTA Method	20 mg/L to 500 mg/L
		Total Chromium	APHA Method 3111 B, 23 rd Edition	0.5 mg/L to 25 mg/L
		Na	APHA Method 3111 B, 23 rd Edition	1 mg/L to 1000 mg/L
		K	APHA Method 3111 B, 23 rd Edition	1 mg/L to 600 mg/L
	Mg	APHA Method 3111 B, 23 rd Edition	0.1 mg/L to 560 mg/L	
	Mn	APHA Method 3111 B, 23 rd Edition	0.6 mg/L to 66 mg/L	

Birendra Prasad Murmu
Convenor

N. Venkateswaran
Program Manager



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Laboratory Avantha Centre for Industrial Research & Development, Paper Mill Campus, Yamuna Nagar, Haryana

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Validity 22.08.2018 to 21.08.2020

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
		Fe	APHA Method 3111 B, 23 rd Edition	0.5 mg/L to 176 mg/L
		Co	APHA Method 3111 B, 23 rd Edition	0.5 mg/L to 27 mg/L
		Ni	APHA Method 3111 B, 23 rd Edition	0.05 mg/L to 378 mg/L
		Cu	APHA Method 3111 B, 23 rd Edition	0.5 mg/L to 126 mg/L
		Zn	APHA Method 3111 B, 23 rd Edition	2.0 mg/L to 8750 mg/L
		Cd	APHA Method 3111 B, 23 rd Edition	0.25 mg/L to 537.5 mg/L
		Pb	APHA Method 3111 B, 23 rd Edition	0.05 mg/L to 70 mg/L
		Al	APHA Method 3111 D, 23 rd Edition	0.5 mg/L to 330 mg/L
		Ca	APHA Method 3111 B, 23 rd Edition	0.5 mg/L to 600 mg/L
		Colour	APHA Method 2120 C, 23 rd Edition	5 Pt-Co to 500 Pt-Co
		Absorbable Organic Halogen (AOX)	ISO 9562	0.2 mg/L to 100 mg/L
		Oil & Grease	APHA Method 5520 B, 23 rd Edition	5 mg/L to 400 mg/L
		Hexavalent Chromium	APHA Method 3500 B, 23 rd Edition	0.1 mg/L to 10 mg/L
		Phenol	APHA Method 5530 D, 23 rd Edition	1 mg/L to 10 mg/L
		Sodium Adsorption Ratio (SAR)	APHA Method 3111 B, 23 rd Edition	1 to 30

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