

Laboratory	Testing Laboratory (Directorate of Export Promotion & Marketing), MSME Department, Govt. of Odisha, Industrial Estate, Madhupatna, Cuttack, Odisha		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Mechanical Testing	Issue Date	29.11.2015
Certificate Number	T-2727	Valid Until	28.11.2017
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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.	MECHANICAL PROPERTIES OF MATERIALS			
1.	Ferrous & Non-Ferrous Materials, Alloys & Products (Sheet, Plates, Round, Angle, Channel, Sections and Wires)	Ultimate Tensile Strength	IS 1608: 2005 (RA 2011)	20 kN to 1000 kN/0.69 % 10 kN to 200 kN/0.69 % 10 kN to 400 kN Micro Processor- 0.69 %
		Yield test	IS 1608: 2005	20 kN to 1000 kN/0.69 % 10 kN to 200 kN/0.69 % 10 kN to 400 kN Micro Processor- 0.69 %
		Percent of Elongation	IS 1608: 2005	0.5 % to 100 %
		Bend Test	IS 1599: 2012 IS 1786: 2008	Qualitative (Mandrel Diameter 13,16,20,21,25,31,39,50, 60,64,100 & 101 mm)
		Vickers Hardness	IS 1501(Part 1): 2013	275 HV 30 to 430 HV 30 (200 HV to 700 HV)/10 (2.96 %), (275 HV to 700 HV)/30 (2.72 %)
		Brinell Hardness	IS 1500: 2005	150 BHN to 350 BHN 2.5 /187.5, (2.87 %)
	Rockwell Hardness	IS 1586: 2000	20 HRBW to 100 HRBW 20 HRC to 70 HRC	

