

Laboratory	Mineral and Metallurgical Laboratories, C-206, I Floor, 4th Cross, 1st Stage, Peenya Industrial Area, Bangalore, Karnataka		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Mechanical Testing	Issue Date	24.05.2014
Certificate Number	T-2962	Valid Until	23.05.2016
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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
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I. MECHANICAL PROPERTIES OF MATERIALS

1.	Ferrous and Non Ferrous Metals Alloys	Tensile Strength	IS 1608-2005	0.1 kN to 600 kN 100 MPa to 1500 MPa Grips Size Round & Flat: 0 to 15 mm 15 mm to 30 mm 30 mm to 45 mm
		Yield Strength	IS 1608-2005	0.1 kN to 600 kN 100 MPa to 1500 MPa
		0.2% Proof Stress	IS 1608-2005	0.1 kN to 600 kN 100 MPa to 1500 MPa
		% Elongation	IS 1608-2005	5% to 80%
		% Reduction in Area	IS 1608-2005	10% to 80%
2.	Welded Specimens	Tensile Strength	IS 1608-2005 IS 7307-1: 1974	100 MPa to 1500 MPa
3.	Ferrous and Non Ferrous	Bend Test	IS 1599-2012	Qualitative
4.	Welded Specimens	Root Bend Face Bend Side Bend	IS 7307-1: 1974, RA 2003	Qualitative Dia of Mandrel 30 mm to 45 mm

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5.	Metallic Material	Rockwell HRA HRB W HRC	IS 1586 (Part-1): 2012	20 to 88 HRA 20 to 100 HRB W 20 to 70 HRC

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