

Laboratory	MIA Test Lab & Research Centre (TLC) (An Enterprise of MIDC Industries Association), P-26, MIA House, MIDC Industry Area, Hingna Road, Nagpur, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Mechanical Testing	Issue Date	30.06.2014
Certificate Number	T-1383	Valid Until	29.06.2016
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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.	MECHANICAL PROPERTIES OF MATERIALS			
1.	Ferrous and non Ferrous Alloys	Tensile Test (UTS, YS, % Elongation, % Reduction in Area)	IS 1608:2005	1-600 kN
2.	Ferrous Metal	Charpy Impact Testing V-Notch (at room temperature & -40 ⁰ C)	IS 1757:1999	1-300 Joules
		Brinell Hardness- 2.5mm ball/ 187.5 kg Load	IS 1500: 2005	100-450 BHN
		Vickers Hardness- HV 30	IS 1501: 2002	370-750 HV 30 1 HV30
		Rockwell Hardness HRC	IS 1586:2000	30-70 HRC
		Rockwell Hardness HRB	IS 1586:2000	30-95 HRB
		Bend Test	IS 1599-2012	Mandrel Diameter 32 mm, 40 mm, 60 mm, 80 mm, 100 mm, 125 mm, 160 mm, 150 mm, 175 mm, 200 mm 1mm -75mm
		Macroetch Test	IS 11371	Visual inspection
		Mass per unit length	IS 1786:2008	1mm- 40mm
		Rebend Test	IS 1786:2008	1mm - 32mm

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