

Laboratory **Chopde Engineering and Material Testing Services Pvt. Ltd.,**
Unit No. 2, Chopde Audyogik Sankul, Plot No. 4/(8+9+40),
Hadapsar Industrial Estate II, Ramtekdi, Hadapsar, Pune, Maharashtra

Accreditation Standard **ISO/IEC 17025: 2005**

Discipline **Mechanical Testing** **Issue Date** **30.06.2014**

Certificate Number **T-3017** **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.	Metals and Alloys	Tensile Test	IS : 1608-2005 (Reaffirmed 2010) ISO : 6892-1:2009	60 N to 600 kN
		a) Ultimate Tensile Strength		(100 to 1500) MPa
		b) Proof Stress		(100 to 1400) Mpa
		c) % Elongation		1% to 80%
		d) % Reduction of Area		1% to 80 %
		Bend Test	IS: 1599 : 2012	Qualitative Mandrel Dia. 16 mm & 22 mm
		Brinell Hardness	IS : 1500 : 2005 (Reaffirmed 2010)	(100 to 400) HBW (2.5 / 187.5) (80 to 150) HBW (5.0 / 250)
		Vicker's Hardness	IS : 1501 : 2002	(100 to 600) HV5 (100 to 600) HV30
		Rockwell Hardness	IS : 1586 (Part-1)-2012 ISO : 6508-1 : 2005	(78 to 91) HR15N (55 to 80) HR30N (45 to 86) HRA (20 to 70) HRC

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2.	Metallic Materials	Impact Tests		
		a) Charpy Impact Test V notch (Ambient to -30°C)	IS: 1757-1988 (Reaffirmed 2009)	(2 to 300) Joules
		b) Izod Impact Test V Notch (Ambient)	IS : 1598 : 1977 (Reaffirmed 2003)	(2 to 168) Joules

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