

Laboratory	Wheels India Limited- R&D Laboratory, MTH Road, Padi, Chennai, Tamil Nadu		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Mechanical Testing	Issue Date	05.04.2014
Certificate Number	T-2154	Valid Until	04.04.2016
Last Amended on	-	Page	1 of 1

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.	CARBON STEEL & ALLOY STEEL PRODUCTS SECTIONS BARS PLATES & SHEETS	Tensile Test	IS 1608 : 2005 (RA 2011)	
		Tensile Strength		Load Upto 1000 kN
		Yield Strength (Exclud 0.2% Proof Stress)		Load Upto 1000 kN
		% Elongation		Upto 80%
		Hardness Testing - Brinell	IS 1500 : Part 1: 2003	100-500 HBW 5mm/750 kgf 10 mm/3000 kgf
		Hardness Testing - Rockwell	IS 1586 : Part 1: 2012	20 - 100 HRB 20 - 70 HRC
		Impact Testing Charpy V-Notch	IS 1757 : 1988 (RA 2009)	Room Temperature to -40°C Upto 300 Joules
		Hardness Testing – Low Load Vickers	IS 1501: 2002	70-1500 HV 1

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