

Laboratory Fortune Metals Limited Laboratory, Talwara Road, Sirhind Side,
Mandi Gobind Garh, Punjab

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5116 (in lieu of T-2193 & T-2194)

Page 1 of 2

Validity 29.12.2016 to 28.12.2018

Last Amended on --

Sl.	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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CHEMICAL TESTING

I.	METAL AND ALLOYS			
1.	Plain Carbon & Low Alloy Steel	Carbon	ASTME415-RA2015	0.1000 % to 0.5000 %
		Manganese	IS 8811: 1998 (RA 2012)	0.2500 % to 1.0000 %
		Sulphur		0.0130 % to 0.1000 %
		Phosphorus		0.0130 % to 0.1000 %

Sangeeta Negi
Convenor

N. Venkateswaran
Program Director

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MECHANICAL TESTING

I.	METAL AND ALLOYS			
1.	Metals and Alloys High Strength Deformed Bar and Wires Steel Rods	Ultimate Tensile Strength	IS 1608: 2005/ IS 1786: 2008 (Amdt. 2012)	450 N/mm ² to 800 N/mm ² (20 kN to 1000 kN)/1kN
		Yield stress	IS 1608: 2005/ IS 1786: 2008 (Amdt. 2012)	350 N/mm ² to 700 N/mm ² (20 kN to 1000 kN)/1kN
		Elongation	IS 1608: 2005/ IS 1786: 2008 (Amdt. 2012)	10 % to 35 % (1 mm to 300 mm)/.02 mm
		Bend Test	IS 1599: 1995/ IS 1786: 2008 (Amdt. 2012)	Mandrel Dia. (16, 20, 24, 30, 32 , 36, 40, 48, 60, 64, 75, 80, 84, 96, 100, 112, 125, 128, 140 & 160) mm
		Re-Bend Test	IS 1786: 2008 (Amdt. 2012)	Mandrel Dia. (32, 40, 50, 72, 84, 96, 112, 120, 140, 150, 168, 175, 192, 196, 216, 224 & 252)mm

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