

Laboratory	Testing Laboratory, Laxcon Steels Limited, Plot No. 235, Sarkhej-Bavala, N.H. No. 84, Village Sari, Taluka Sanand, Ahmedabad, Gujarat		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Mechanical Testing	Issue Date	01.04.2016
Certificate Number	T-2725	Valid Until	31.03.2018
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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 Metals	Tensile Test		
		Ultimate Tensile Strength	ASTM A 370: 15 ASTM E 8/E8M: 15a DIN EN 10002-1: 2001	10 kN to 400 kN
		0.2 % Proof Stress	IS 1608: 2005	
		1.0 % Proof Stress	DIN EN ISO 6892 (Part 1): 2009	
		% Elongation		upto 80 %
		% Reduction in Area		upto 90 %
		Impact Test		
		Charpy Impact (V Notch and U Notch)	IS 1598: 1977 IS 1499: 1977 IS 1757: 1988 JIS Z 2242: 2005	Upto 300 J At Room Temperature
		Hardness Test		
		Brinell Hardness Test	ASTM E 10-15a DIN EN ISO 6506-1: 2014 IS 1500: 2005 JIS Z 2243: 2008	95.5 HBW to 601 HBW
		Rockwell Hardness Test	ASTM E18: 15 DIN EN ISO 6508-1: 2015 IS 1586: 2012 JIS Z 2245: 2011	20 HRBW to 100 HRBW 20 HRC to 70 HRC

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II. METALLOGRAPHY TEST				
1.	Ferrous Metals	Micro Evaluation Test		
		Grain Size	ASTM E112 : 2013	ASTM No. 02 ASTM No. 10
		Inclusion Rating	IS 4163: 2004 (Method A) ASTM E 45: 2013 (Method A, D & E)	A= 0.5 to 3.0 B= 0.5 to 3.0 C= 0.5 to 3.0 D= 0.5 to 3.0
-X-X-X-X-X-X-X-X-X-X-X-X-				