

Laboratory	Scorodite Stainless (India) Pvt. Ltd., E-123/125 & G-126/128, RIICO Industrial Estate, Makhupura, Sanchore, Rajasthan		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Mechanical Testing	Issue Date	24.02.2014
Certificate Number	T-2854	Valid Until	23.02.2016
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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
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I. MECHANICAL PROPERTIES OF MATERIALS

1. Carbon Steel, Low Alloy Steel & Stainless Steel	(a) Tensile Test			
		Ultimate Tensile Strength	ASTM 370 (2013) ASTM E8(2013) IS 1608(2005)	1.01 kN to 400 kN
		Yield Strength (Proof Strength is not included)		
		% Elongation		
		(b) Bend Test	IS 1599-2010 ASTM A370 (2013) ASTM E190 (2008) ASTM E290 (2013)	Max. Mandrel Dia 70 mm
		(C) Flattening Test	ASTM 370 (2013) EN ISO 8492:2004	OD: 06 to 275 mm
	(d) Flange Test	ASTM 370 (2013)	OD: 06 to 102 mm	
	(e) Flaring Test	ASTM 370 (2013) EN ISO 8493:2004 EN ISO 8495:2004	ID: 06 to 102 mm	
	(f) Rockwell Hardness Test	IS 1586 (Part 1) 2012 ASTM E-18-2012	30 to 100 HRBW 20 to 65 HRC	

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	Carbon Steel, Low Alloy Steel & Stainless Steel	(a) Micro Examination		
		ASTM Grain size	ASTM E112-2012	ASTM 1 to 14 Grain Size
		(b) Macro Etch Test	ASTM E340(2006)	Upto 20.0 mm
2.	Stainless Steel	IGC Test Pr 'A'	ASTM A-262(2013)	N.A.
		IGC Test Pr 'E'	ASTM A-262(2013)	N.A.
		IGC Test Pr 'C'	ASTM A-262(2013)	N.A.
		IGC Test Method 'A'	BS EN ISO 3651-2:1998	N.A.
		IGC Test Method 'B'	BS EN ISO 3651-2:1998	N.A.
		IGC Test Method 'C'	BS EN ISO 3651-2:1998	N.A.

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