

Laboratory D & H Secheron Electrodes Pvt. Ltd., 44-46, Industrial Estate, Kila Maidan, Indore, Madhya Pradesh

Accreditation Standard ISO/IEC 17025: 2005

Discipline Mechanical Testing **Issue Date** 15.10.2014

Certificate Number T-1831 **Valid Until** 14.10.2016

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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
1.	MECHANICAL PROPERTIES OF MATERIALS			
1.	Ferrous & Non Ferrous Metals, Welded Metals Specimen	Charpy (V Notch) Impact Test [(Room temp. to (-196°C) +/- 2°C]	ASTM E23- 12c	2 J to 300 J
		Tensile Test		
		UTS	ASTM E8/E8M-13a	(100 to 1500) MPa
		YS	IS/ISO 1608:2005	(100 to 1800) MPa
		% Reduction in area		5% to 80 %
		% Elongation		5% to 60 %
		Brinell Hardness Test	ASTM E10-12 IS 1500-2013	(100 to 400) HBW (10/3000 kg)
		Rockwell Hardness Test	ASTM E18-14 IS 1586:2012	(35 to 70) HRC
	Bend Test	E190-92(2008)	Qualitative [Mandrel (Plunger) Diameter: (6.25,8,10,18,20, 30,38,48,64) mm]	
	Creep Test	ASTM E 139-11	1 kN to 34 kN	

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