

Laboratory **DSIL Quality Laboratory, Suy-583, NH-27, Lakadia, Samakhjali, Kutch, Gujarat**

Accreditation Standard **ISO/IEC 17025: 2005**

Certificate Number **TC-7838**

Page 1 of 1

Validity **11.09.2018 to 10.09.2020**

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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MECHANICAL TESTING

I. MECHANICAL PROPERTIES OF METALS				
1.	Ferrous Materials, Alloys & Products (Carbon & Carbon Low Alloys)	Tensile Test a) Yield Strength by i) 0.2 % & 0.5 % Extension under load method ii) 0.2 % & 0.5 % offset method b) Ultimate Tensile Strength c) % of Elongation	ASTM A 370-2017 ISO 6892 (Part 1): 2016 IS 1608 (Part 1): 2018	YS: 100 N/mm ² to 1500 N/mm ² UTS: 100 N/mm ² to 1200 N/mm ² % E: 10 % to 50 %
		Bend Test	IS 1599: 2012 ASTM E190 - 2014 ASTM A 370-2017 IS 3589: 2006 IS 5504: 2009	Qualitative Mandrel Size in "mm"- 14,25,28,35,50,64,69,70, 112,118,166,169
2.	Welded Test Specimens (Carbon & Carbon Low Alloys)	Bend Test Guided Bend Root Bend Face Bend	ASME Sec-IX-2017 IS 3600-7 ASTM A 370 - 2017	Mandrel Size in "mm"- 14,25,28,35,50,64,69,70, 112,118,166,169