

**Laboratory** Quality Assurance Lab, Hot Strip Mill of JSW Steel Limited, Dolvi Works, Geetapuram, Dolvi, Taluka: Pen, Dist: Raigad, Maharashtra

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

**Discipline** Chemical Testing **Issue Date** 12.02.2015

**Certificate Number** T-2459 **Valid Until** 11.02.2017

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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
<b>I.</b>	<b>METALS &amp; ALLOYS</b>			
<b>1.</b>	<b>Fe Base Low Alloy/ Carbon Steel</b>	<b>Chemical Analysis</b>	ASTM E 415-2014	
		Carbon	IS 8811: 1998	0.004 % to 0.75%
		Manganese		0.05 % to 1.80%
		Silicon		0.005 % to 0.60%
		Sulphur		0.004 % to 0.040%
		Phosphorous		0.004% to 0.120%
		Chromium		0.005% to 0.50%
		Nickel		0.005 % to 0.50%
		Copper		0.008 % to 0.50
		Molybdenum		0.10 % to 0.20%
		Vanadium		0.005% to 0.080%
		Niobium		0.005% to 0.080%
		Titanium		0.004% to 0.050%
		Aluminium		0.010 % to 0.090%
		Calcium		0.0005 % to 0.005%
	Boron		0.0005 % to 0.004%	
	Nitrogen	IS 228 (Part 23): 2003	0.0020 % to 0.0140%	
	<b>Gas Analysis by Leco</b>			
	Oxygen	ASTM E 1019-2011	0.0010 % to 0.0050%	
	Nitrogen		0.0010% to 0.0200%	

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