

**Laboratory** Material Testing Laboratory - KEC International Limited, B-190/215, MIDC Industrial Area, Butibori, Dist.- Nagpur, Maharashtra

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

**Discipline** Chemical Testing **Issue Date** 13.01.2015

**Certificate Number** T-3268 **Valid Until** 12.01.2017

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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>Structural Steel (Carbon and low alloy steel)</b>	<b>Chemical Composition Analysis</b>	ASTM E-415 :2014 IS 8811: 1998	
		C		0.07 % to 0.467%
		Mn		0.39% to 1.5%
		Si		0.2% to 0.69%
		P		0.002% to 0.07%
		S		0.002% to 0.06%
		V		0.004% to 0.43%
		Ni		0.105% to 25.3%
		Cr		0.111% to 14.8%
		Cu		0.005% to 0.694%
		Mo		0.08% to 1.3%
		Al		0.154% to 0.21%
		Ti		0.03% to 2.1%
		W		0.04% to 0.32%
	Pb		0.006% to 0.014%	
	Nb		0.0102% to 0.49%	

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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
2.	<b>Galvanized Structural Steel</b>	Zinc Uniformity Test/ Preece Test	IS 2633, ASTM A239, BS729 , ISO1461	Qualitative Test
		Mass of Zinc Coating	IS 6745,BS 729, ASTM A123, ISO 1460	5 g/m <sup>2</sup> to 2800 g/m <sup>2</sup>

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