

Laboratory Metallurgy & Materials Laboratory, Precision Manufacturing Facility,
L&T Heavy Engineering Division, L&T Bye Pass Road,
Malumichampatti, Coimbatore, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Discipline Chemical Testing **Issue Date** 07.06.2016

Certificate Number T-2252 **Valid Until** 06.06.2018

Last Amended on 25.07.2016 **Page** 1 of 2

S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I.	METALS & ALLOYS			
1.	Low Alloy Steel	C	ASTM E 415-15/ IS 8811: 1998	0.02 % to 0.50 %
		Si		0.15 % to 0.32 %
		Mn		0.30 % to 1.75 %
		P		0.008 % to 0.024 %
		S		0.0003 % to 0.034 %
		Cr		0.15 % to 1.31 %
		Ni		0.15 % to 3.24 %
		Mo		0.003 % to 4.000 %
		V		0.002 % to 0.005 %
		Cu		0.016 % to 0.290 %
		Al		0.0018 % to 0.065 %
		Co		0.005 % to 0.01 %
		W		0.007 % to 0.01 %
		Sn	0.0031 % to 0.020 %	
2.	Stainless Steel	C	ASTM E 1086-14/ IS 9879: 1998	0.02 % to 0.30 %
		Si		0.32 % to 1.40 %

Amit Kumar
Convenor

N. Venkateswaran
Program Manager

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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
	Stainless Steel	Mn	ASTM E 1086-14/ IS 9879: 1998	0.30 % to 2.00 %
		P		0.008 % to 0.024 %
		S		0.0003 % to 0.034 %
		Cr		5.00 % to 19.51 %
		Ni		0.203 % to 24.40 %
		Mo		0.003 % to 4 %
		V		0.0167 % to 0.3 %
		Cu		0.0192 % to 3.69 %
		Al		0.004 % to 0.0203 %
		Co		0.0145 % to 0.065 %
		W		0.007 % to 0.05 %
		Nb		0.0028 % to 0.235 %

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