



NABL

SCOPE OF ACCREDITATION

Laboratory	Crystal Metallurgical Services & Solutions, Hyderabad, Block No. 3A, Phase-V, IDA Cherlapally, E.C Nagar Junction Main Road, Dist. Rangareddy, Telangana		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	20.10.2016
Certificate Number	T-4204	Valid Until	19.10.2018
Last Amended on	-	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.	METAL AND ALLOYS			
1.	Carbon & Low Alloy Steels	Carbon	IS 8811: 1998	0.015 % to 1.30 %
		Manganese	ASTM E 415: 2015	0.10 % to 2.0 %
		Phosphorus		0.005 % to 0.050 %
		Sulphur		0.005 % to 0.075 %
		Silicon		0.03 % to 2.00 %
		Copper		0.02 % to 0.25 %
		Nickel		0.05 % to 4.00 %
		Chromium		0.05 % to 4.00 %
		Molybdenum		0.05 % to 1.00 %
		Vanadium		0.03 % to 0.50 %
		Aluminum		0.005 % to 1.20 %
		Cobalt		0.10 % to 0.50 %
2.	Stainless steels	Carbon	ASTM E 1086: 2014	0.015 % to 0.15 %
		Manganese	IS 9879: 1998	0.10 % to 2.00 %
		Phosphorus		0.005 % to 0.050 %
		Sulphur		0.005 % to 0.050 %
		Silicon		0.10 % to 1.00 %

Jitendra B. Vispute
Convenor

N. Venkateswaran
Program Manager



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	Stainless steels	Copper	ASTM E 1086: 2014 IS 9879: 1998	0.05 % to 2.00 %
		Nickel		0.20 % to 25.00 %
		Molybdenum		0.05 % to 3.75 %
		Chromium		5.00 % to 25.00 %
		Niobium		0.10 % to 1.00 %
		Cobalt		0.05 % to 0.30 %
3.	Aluminum Alloys	Magnesium	ASTM E1251: 2011	0.10 % to 2.50 %
		Silicon		0.05 % to 15.00 %
		Copper		0.10 % to 6.00 %
		Nickel		0.10 % to 0.25 %
		Chromium		0.05 % to 0.30 %
		Titanium		0.005 % to 0.25 %
		Tin		0.10 % to 0.20 %
		Lead		0.05 % to 0.20 %
		Manganese		0.04 % to 0.75 %
		Zinc		0.1 % to 0.5 %
		Iron		0.10 % to 0.80 %

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