

Laboratory Brand Alloys Limited (Laboratory Testing Services), NH-2, Delhi Road, Sreerampore, Hooghly, Karnataka

Accreditation Standard ISO/IEC 17025: 2005

Discipline Chemical Testing **Issue Date** 02.01.2015

Certificate Number T-0666 **Valid Until** 01.01.2017

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. METALS & ALLOYS				
1.	Carbon & Low-Alloy Steel	By Spark Atomic Emission Spectrometry		
		Carbon	ASTM E 415: 2014	0.10 % to 1.10 %
		Manganese	ASTM E 415: 2014	0.1 % to 2.0 %
		Silicon	ASTM E 415: 2014	0.07 % to 1.15 %
		Sulphur	ASTM E 415: 2014	0.005 % to 0.08 %
		Phosphorus	ASTM E 415: 2014	0.005 % to 0.08 %
		Chromium	ASTM E 415: 2014	0.10 % to 2.0 %
		Nickel	ASTM E 415: 2014	0.01 % to 2.0 %
		Molybdenum	ASTM E 415: 2014	0.01 % to 2.0 %
		Copper	ASTM E 415: 2014	0.01 % to 0.5 %
		Vanadium	ASTM E 415: 2014	0.005 % to 0.5 %

Laboratory Brand Alloys Limited (Laboratory Testing Services), NH-2, Delhi Road, Sreerampore, Hooghly, Karnataka

Accreditation Standard ISO/IEC 17025: 2005

Discipline Chemical Testing **Issue Date** 02.01.2015

Certificate Number T-0666 **Valid Until** 01.01.2017

Last Amended on - **Page** 2 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
2.	Austenitic Stainless Steel	By Spark Atomic Emission Spectrometry		
		Carbon	ASTM E 1086: 2014	0.05 % to 0.10 %
		Manganese	ASTM E 1086: 2014	0.40 % to 1.0 %
		Silicon	ASTM E 1086: 2014	0.20 % to 0.70 %
3.	Austenitic Stainless Steel	Sulphur	ASTM E 1086: 2014	0.010 % to 0.035 %
		Phosphorus	ASTM E 1086: 2014	0.010 % to 0.035 %
		Chromium	ASTM E 1086: 2014	15.0 % to 30.0 %
		Nickel	ASTM E 1086: 2014	15.0 % to 24.0 %

~~-X-X-X-X-X-X-X-X-X-X-X-X-~~