

Laboratory	Metallurgical Testing Centre (A Unit of Joneja Bright Steels Pvt. Ltd.), Plot No. 239, Sector-24, Faridabad, Haryana		
Accreditation Standard	ISO/IEC 17025:2005		
Discipline	Chemical Testing	Issue Date	29.09.2015
Certificate Number	T-2070	Valid Until	28.09.2017
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 AND ALLOYS			
1.	Ferrous Alloy (Plain Carbon Steel and Low Alloy Steel)	Carbon (C)	ASTM E 415: 2014 IS 8811: 1998	0.020 % to 1.500 %
		Sulfur (S)		0.003 % to 0.350 %
		Phosphorus (P)		0.005 % to 0.100%
		Manganese (Mn)		0.100 % to 2.500 %
		Silicon (Si)		0.020 % to 2.500 %
		Chromium (Cr)		0.050 % to 5.000 %
		Nickel (Ni)		0.020 % to 5.000 %
		Molybdenum (Mo)		0.020 % to 2.500 %
		Aluminum (Al)		0.020 % to 0.200 %
		Boron (B)		0.0005 % to 0.0035 %
		Lead (Pb)		0.100 % to 0.350 %
		Titanium (Ti)		0.020 % to 0.2500 %
2.	Ferrous Alloy (Stainless Steel, Tool & Die Steel)	Carbon (C)	ASTM E 1086: 2014	0.020 % to 1.500 %
		Sulfur (S)		0.003 % to 0.350 %
		Phosphorus (P)		0.010 % to 0.100 %
		Manganese (Mn)		0.100 % to 10.000 %
		Silicon (Si)		0.020 % to 2.500 %

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	Ferrous Alloy (Stainless Steel, Tool & Die Steel)	Chromium (Cr)	ASTM E 1086: 2014	0.050 % to 20.00 %
		Nickel (Ni)		0.020 % to 10.00 %
		Molybdenum (Mo)		0.020 % to 2.00 %
		Vanadium (V)		0.020 % to 1.500 %
		Copper (Cu)		0.020 % to 1.00 %
		Aluminum (Al)		0.020 % to 0.200 %
		Cobalt (Co)		0.020 % to 0.500 %
		Titanium (Ti)		0.020 % to 1.00 %
		Niobium (Nb)		0.100 % to 1.00 %

II. CORROSION TESTS

1.	Paints and Surface Coating	Salt Spray Test (Corrosion Resistance Test)	IS 9844: 2010	Qualitative
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-X-X-X-X-X-X-X-X-X-X-X-X-X-