

Laboratory	Prompt Metallurgical Services, Flat No. 5, 2nd Floor, Sharma Chamber, Karve Road, Nal-Stop, Pune, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	21.03.2014
Certificate Number	T-0811	Valid Until	20.03.2016
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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
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I. METALS & ALLOYS

1. Ferrous Metals & Alloys

a.	Low Alloy Steel & Free Cutting Steels	C	ASTM – E – 415 – 2008 & PMS/SOP/OES/02-08	0.001% to 1.50%
		Si		0.0016% to 3.00%
		Mn		0.01% to 2.00%
		Cr		0.02% to 2.25%
		Mo		0.03% to 6.00%
		Ni		0.02% to 5.00%
		S		0.01% to 0.45%
		P		0.01% to 0.15%
		V		0.01% to 0.50%
		Co		0.008% to 0.18%
		Al		0.02% to 1.50%
		Cu		0.03% to 0.50%
		W		0.20% to 1.00%
		Ti		0.04% to 0.20%
		Pb	0.05% to 0.40%	
		B	0.06 % to 0.10%	
		Nb	0.02% to 0.20%	

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b.	Stainless Steel, Tool Steel, HCHCr	C	ASTM- E -1086 – 2008 PMS/SOP/OES/03-08 JIS 1253-2002	0.04% to 2.50%
		Si		0.05% to 3.00%
		Mn		0.01% to 11.00%
		Cr		0.01% to 29.00%
		Mo		0.01% to 10.00%
		Ni		0.06% to 25.00%
		S		0.01% to 0.45%
		P		0.02% to 0.15%
		V		0.01% to 3.00%
		Co		0.01% to 12.00 %
		Cu		0.005% to 5.00%
		W		0.30% to 20.00%
		Ti		0.05% to 0.80%
		Pb		0.03% to 0.34%
Nb	0.01% to 0.50%			
2.	Copper Base & It's Alloys	Zn	BSEN – 15079 : 2007	0.01% to 40.00%
		Pb		0.01% to 17.00%
		Sn		0.01% to 15.00%
		Al		0.01% to 12.00%
		Mn		0.01% to 5.00%
		Fe		0.01% to 6.00%
		Ni		0.01% to 7.00%
		Si		0.01% to 2.00%
		Sb		0.04% to 1.60%
		As		0.0010% to 0.37%
P	0.01% to 1.00%			

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3.	Aluminium Base & It's Alloys	Zn Pb Sn Mn Fe Ni Si Cr Cu Mg Ti	ASTM – E - 1251-11	0.002% to 12.00% 0.01% to 0.25% 0.01% to 0.40% 0.01% to 1.50% 0.01% to 1.50% 0.001% to 2.30% 0.001% to 18.00% 0.01% to 0.40% 0.01% to 6.00% 0.001% to 12.00% 0.001% to 0.35%

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