Laboratory	**Micro Testing & Calibration Solutions, # 2280 (Basement), Aravali Vihar, Sector-49, Faridabad, Haryana**
Accreditation Standard	**ISO/IEC 17025: 2005**
Certificate Number	**TC-7309** **Page 1 of 2**
Validity	**28.05.2018 to 27.05.2020** **Last Amended on --**

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		CHEMICAL TESTING		
I.	**METAL & ALLOYS**			
1.	**Fe Base Low Alloy Steel**	Carbon	IS 8811	0.03 % to 0.75 %
		Silicon		0.20 % to 1.71 %
		Manganese		0.40 % to 1.55 %
		Sulphur		0.002 % to 0.243 %
		Phosphorus		0.008 % to 0.044 %
		Chromium		0.055 % to 4.82 %
		Nickel		0.03 % to 1.70 %
		Molybdenum		0.002 % to 0.47 %
		Aluminium		0.013 % to 0.15 %
		Cobalt		0.01 % to 0.017 %
		Copper		0.013 % to 0.47 %
2.	**Stainless Steel**	Carbon	IS 9879	0.05 % to 1.50 %
		Silicon		0.27 % to 0.50 %
		Manganese		0.50 % to 1.85 %
		Sulphur		0.001 % to 0.030 %
		Phosphorus		0.001 % to 0.035 %
		Chromium		11.00 % to 25.00 %
		Nickel		2.0 % to 21.00 %
		Molybdenum		0.03 % to 2.03 %
		Copper		0.10 % to 0.40 %
3.	**Tool Steel**	Carbon	IS 8811	0.05 % to 1.5%
		Silicon	JIS G 1253	0.10 % to 0.50%
		Manganese		0.10 % to 0.60%
		Sulphur		0.01 % to 0.050%
		Phosphorus		0.01 % to 0.050%
		Chromium		2.50 % to 5.50 %
		Molybdenum		0.50 % to 9.50%
		Cobalt		0.10 % to 10.00%
		Vanadium		0.20 % to 0.40%

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Tungsten		0.01 % to 20%
4.	**Copper &Copper Alloys**	Tin	BS EN 15079	0.10 % to 10.80 %
		Lead		0.10 % to 10.00 %
		Zinc		0.05 % to 37.00 %
		Nickel		0.06 % to 1.60 %
		Iron		0.09 % to 4.00 %
		Phosphorus		0.005 % to 0.091 %
		Manganese		0.006 % to 0.29 %
		Bismuth		0.003 % to 0.05 %
		Aluminum		0.008 % to 11.30 %
		Arsenic		0.007 % to 0.105 %
5.	**Aluminum & Its Alloys**	Copper	ASTM E 1251-11	0.090 % to 3.35 %
		Magnesium		0.10 % to 4.000 %
		Silicon		0.20 % to 13.22 %
		Iron		0.10 % to 0.67 %
		Manganese		0.40 % to 0.70 %
		Nickel		0.09 % to 0.350 %
		Zinc		0.09 % to 1.30 %
		Lead		0.04 % to 1.67 %
		Tin		0.001 % to 0.09 %
		Titanium		0.10 % to 0.25 %
		Chromium		0.05 % to 0.120 %

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