

<b>Laboratory</b>	<b>Metal Testing Centre, No. 1, Parthiban Street, Ullagaram, Chennai, Tamil Nadu</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>02.08.2015</b>
<b>Certificate Number</b>	<b>T-0698</b>	<b>Valid Until</b>	<b>01.08.2017</b>
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<b>S.No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
<b>I.</b>	<b>METALS &amp; ALLOYS</b>			
<b>1.</b>	<b>Carbon &amp; Low Alloy Steels</b>	Carbon Sulphur Phosphorous Silicon Chromium Nickel Molybdenum Aluminium Manganese Copper Vanadium	IS 8811: 1998 ASTM E-415: 2014	0.04 % to 1.31 % 0.007 % to 0.06 % 0.009 % to 0.06 % 0.111 % to 1.12 % 0.13 % to 1.00 % 0.019 % to 0.81 % 0.025 % to 0.50 % 0.017 % to 0.33 % 0.228 % to 1.70 % 0.02 % to 0.43 % 0.004 % to 0.50 %
<b>2.</b>	<b>Stainless Steel</b>	Carbon Sulphur Phosphorous Silicon Chromium Nickel Molybdenum Aluminium Manganese Copper Vanadium	IS 9879: 1998 ASTM E-1086: 2014	0.016 % to 0.06 % 0.0003 % to 0.03 % 0.008 % to 0.111 % 0.17 % to 1.09 % 14.00 % to 19.87 % 5.6 % to 24.40 % 1.5 % to 4.0 % 0.02 % to 0.06 % 0.91 % to 1.76 % 0.03 % to 1.48 % 0.045 % to 0.30 %
<b>3.</b>	<b>Copper Alloy</b>	Tin Zinc Lead Phosphorus Nickel Iron Aluminium Manganese Arsenic Silicon Antimony	Spark Emission Spectrometric Method MTC MSP WIP-05 / Instruction Manual	0.019 % to 1.10 % 0.17 % to 26.32 % 0.006 % to 1.10 % 0.01 % to 0.18 % 0.06 % to 4.81 % 0.23 % to 3.73 % 0.042 % to 10.05 % 0.11 % to 0.12 % 0.01 % to 0.17 % 0.037 % to 0.042 % 0.001 % to 0.17 %

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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
4.	Aluminium Alloy	Copper Magnesium Silicon Iron Manganese Nickel Zinc Lead Tin Titanium Chromium Antimony	Spark Emission Spectrometric Method IS 11035: 1984 ASTM E-1251: 2011	0.006 % to 4.0 % 0.05 % to 0.60 % 4.009 % to 11.33 % 0.198 % to 0.50 % 0.15 % to 0.40 % 0.002 % to 0.60 % 0.09 % to 1.22 % 0.004 % to 0.30 % 0.01 % to 0.10 % 0.057 % to 0.20 % 0.03 % to 0.06 % 0.007 % to 0.31 %

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