

Laboratory Industrial Testing Centre and Lab Services, No. PP3, TIEMA
Communication Center, SIDCO Industrial Estate, Thirumudivakkam,
Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Discipline Testing

Issue Date 24.04.2015

Certificate Number T-3373

Valid Until 23.04.2017

Last Amended on -

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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
I.	METALS & ALLOYS			
1.	Low Alloy Steel	Carbon	IS 8811:1998 (RA 2012)	0.020 % to 1.50 %
		Silicon		0.10 % to 1.00 %
		Manganese		0.10 % to 1.00 %
		Phosphorous		0.010 % to 0.070 %
		Sulfur		0.010 % to 0.30 %
		Chromium		0.040 % to 1.20 %
		Molybdenum		0.010 % to 0.60 %
		Nickel		0.040 % to 4.50 %
		Aluminium		0.010 % to 0.40 %
		Copper		0.020 % to 0.40 %
		Vanadium		0.010 % to 0.50 %
		Niobium		0.010 % to 0.04%
2.	Stainless Steel	Carbon	IS 9879:1998	0.010 % to 0.30 %
		Silicon		0.20 % to 1.20 %
		Manganese		0.30 % to 1.50 %
		Phosphorous		0.010 % to 0.040 %
		Sulfur		0.010 % to 0.040 %

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Program Manager

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	Stainless Steel	Chromium		8.00 % to 26.00 %
		Molybdenum		0.020 % to 3.00 %
		Nickel		1.00 % to 20.00 %
		Copper		0.010 % to 1.00 %
3.	Cast Iron	Carbon	IS 15538: 2003 (RA 2013)	1.50 % to 4.00 %
		Silicon		1.30 % to 3.50 %
		Manganese		0.05% to 1.50 %
		Phosphorous		0.040% to 0.50 %
		Sulfur		0.030 % to 0.15 %
		Chromium		0.030 % to 1.00 %
		Molybdenum		0.010 % to 1.00 %
		Nickel		0.020 % to 1.00 %
		Copper		0.010 % to 0.15 %
		Vanadium		0.070 % to 0.20 %
	Magnesium		0.010 % to 0.060 %	

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	Cast Iron	Carbon	IS 15538: 2003 (RA 2013)	1.50 % to 4.00 %
		Silicon		1.30 % to 3.50 %
		Manganese		0.05 % to 1.50 %
		Phosphorous		0.040 % to 0.50 %
		Sulfur		0.030 % to 0.15 %
		Chromium		0.030 % to 1.00 %
		Molybdenum		0.010 % to 1.00 %
		Nickel		0.020 % to 1.00 %
		Copper		0.010 % to 0.15 %
		Vanadium		0.070 % to 0.20 %
		Magnesium		0.010 % to 0.060 %
4.	Aluminium Base Alloys	Silicon	ASTM E 1251-11	0.30% to 20.0%
		Ferrous		0.10% to 2.00%
		Copper		0.03% to 5.00%
		Magnesium		0.05% to 1.00%
		Manganese		0.05% to 1.00%
		Titanium		0.02% to 0.20%
	Zinc	0.10% to 2.00%		

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	Aluminium Base Alloys	Nickel		0.10% to 1.00%
		Lead		0.10% to 0.50%
		Tin		0.05% to 0.50%
		Chromium		0.05% to 0.25%

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