

Laboratory	Bureau of Indian Standards (Eastern Regional Office Laboratory) P-230, C.I.T Scheme, VII M, Block W, Kankurgachi, Kolkata, West Bengal		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	18.09.2014
Certificate Number	T-0161	Valid Until	17.09.2016
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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
I. METALS AND ALLOYS				
1.	Steel and steel products (Plain Carbon Steel)	Carbon	IS 228(Part-1) :1987	0.05% to 1.50%
		Manganese	IS 228(Part-2) :1987	0.10% to 1.50%
		Sulphur	IS 228(Part-9) :1987	0.01% to 0.25%
		Phosphorus	IS 228(Part-3) :1987	0.005% to 0.10%
		Silicon	IS 228(Part-8) :1989	0.01% to 1.00%
		Nitrogen	IS 228(Part-19) :1998	0.002% to 0.50%
2.	Brass and Bronze	Copper	IS 4027(Part-1) :1987	50% to 99.0%
		Lead	IS 4027(Part-1) :1987	1.0% to 25%
		Tin	IS 4027(Part-5) :1987	0.1% to 150%
		Silicon	IS 4027(Part-10) :2000	0.01% to 8.0%
		Manganese	IS 4027(Part-2) :1987	0.1% to 2.0%
		Zinc	IS 4027(Part-6) :1987	0.3% to 6.0%
		Nickel	IS 4027(Part-4) :1987	0.1% to 4.0%
			IS 3685 :1966	
		Iron	IS 4027(Part-8) :1991	0.1% to 2.0%
			IS 3685 :1966	
3.	Aluminium products	Thickness of anodic coating	IS 5523:1983	1 to 20 µm

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II. LEATHER				
1.	Leather safety Foot wear	Solvent extractable substances	IS 582:1970 (LC -4)	1.0% to10.0%
		Chromium	IS 582:1970 (LC -10)	1.0% to10.0%
III. BUILDING MATERIALS				
1.	Cement PSC/PPC/OPC/ Clinker	Loss of ignition	IS 4032:1985	0.5% to5.0%
		Sulphuric Anhydride	IS 4032:1985	0.5% to3.0%
		Insoluble residue	IS 4032:1985	0.5% to30.00%
		Magnesium Oxide	IS 4032:1985	0.5% to10.00%
		Calcium Oxide	IS 4032:1985	20.0% to 65.0 %
		Ferric Oxide	IS 4032:1985	0.5% to 10.0%
		Aluminium Oxide	IS 4032:1985	0.5% to 10.0 %
		Sulphide Sulphur	IS 4032:1985	0.01% to 1.5 %
		Silica	IS 4032:1985	1.0% to 35.0 %
		Chloride	IS 12423:1988	0.01% to 0.1 %

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