



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name S.N.METALLURGICAL SERVICES, PLOT NO.: B-70, MIDC AREA, WALUJ, AURANGABAD, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5127 Page No. : 1 / 5

Validity 01/04/2019 to 31/03/2021 Last Amended on -

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
Permanent Facility					
1	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Cr	ASTM E 1251: 2017	0.01 % to 0.50 %
2	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Cu	ASTM E 1251: 2017	0.01 % to 3.50 %
3	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Fe	ASTM E 1251: 2017	0.10 % to 2.00 %
4	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Mg	ASTM E 1251: 2017	0.01 % to 5.50 %
5	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Mn	ASTM E 1251: 2017	0.01 % to 1.00 %
6	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Ni	ASTM E 1251: 2017	0.01 % to 2.00 %
7	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Pb	ASTM E 1251: 2017	0.01 % to 0.30 %
8	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Si	ASTM E 1251: 2017	0.01 % to 12.50 %
9	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Sn	ASTM E 1251: 2017	0.01 % to 0.20 %
10	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Zn	ASTM E 1251: 2017	0.01 % to 7.50 %
11	CHEMICAL- METALS & ALLOYS	Carbon Steel and Low Alloy Steel	C	ASTM E 415: 2017	0.01 % to 1.30 %
12	CHEMICAL- METALS & ALLOYS	Carbon Steel and Low Alloy Steel	Cr	ASTM E 415: 2017	0.01 % to 2.00 %
13	CHEMICAL- METALS & ALLOYS	Carbon Steel and Low Alloy Steel	Mn	ASTM E 415: 2017	0.10 % to 1.50 %



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14	CHEMICAL- METALS & ALLOYS	Carbon Steel and Low Alloy Steel	Mo	ASTM E 415: 2017	0.01 % to 0.50 %
15	CHEMICAL- METALS & ALLOYS	Carbon Steel and Low Alloy Steel	Ni	ASTM E 415: 2017	0.01 % to 2.00 %
16	CHEMICAL- METALS & ALLOYS	Carbon Steel and Low Alloy Steel	P	ASTM E 415: 2017	0.001 % to 0.10 %
17	CHEMICAL- METALS & ALLOYS	Carbon Steel and Low Alloy Steel	S	ASTN E 415: 2017	0.002 % to 0.34 %
18	CHEMICAL- METALS & ALLOYS	Carbon Steel and Low Alloy Steel	Si	ASTM E 415: 2017	0.01 % to 1.70 %
19	CHEMICAL- METALS & ALLOYS	Carbon Steel and Low Alloy Steel	V	ASTM E 415: 2017	0.01 % to 0.50 %
20	CHEMICAL- METALS & ALLOYS	Stainless Steel	C	ASTM E 1086: 2014	0.01 % to 0.30 %
21	CHEMICAL- METALS & ALLOYS	Stainless Steel	Cr	ASTM E 1086: 2014	0.10 % to 28.00 %
22	CHEMICAL- METALS & ALLOYS	Stainless Steel	Cu	ASTM E 1086: 2014	0.05 % to 1.00 %
23	CHEMICAL- METALS & ALLOYS	Stainless Steel	Mn	ASTM E 1086: 2014	0.10 % to 2.00 %
24	CHEMICAL- METALS & ALLOYS	Stainless Steel	Mo	ASTM E 1086: 2014	0.01 % to 0.70 %
25	CHEMICAL- METALS & ALLOYS	Stainless Steel	Ni	ASTM E 1086: 2014	0.10 % to 22.00 %
26	CHEMICAL- METALS & ALLOYS	Stainless Steel	P	ASTM E 1086: 2014	0.01 % to 0.05 %
27	CHEMICAL- METALS & ALLOYS	Stainless Steel	S	ASTM E 1086: 2014	0.004 % to 0.07 %



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28	CHEMICAL- METALS & ALLOYS	Stainless Steel	Si	ASTM E 1086: 2014	0.01 % to 1.50 %
29	CHEMICAL- PLASTIC & RESINS	Plastic & Rubber	Grade Identification of Plastic	ASTM E 1252 Clause 7.5 (using FTIR Spectrophotometer): 1998 RA: 2013	Qualitative
30	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium Metal & its Alloys	% Elongation	IS 1608 (Part-1): 2018	0 % to 40 %
31	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium Metal & its Alloys	Breaking Load	IS 1608 (Part-1): 2018	0.1 kN to 400 kN
32	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium metal & its alloys	Rockwell Hardness Test (HRBW)	IS 1586 (I): 2018	30 HRBW to 70 HRBW
33	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium Metal & its Alloys	Yield Strength (Proof Stress)	IS 1608 (Part-1): 2018	0.1 kN to 400 kN
34	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium Metal and its alloys	Tensile Strength	IS 1608 Part 1: 2018	0.1 kN to 400 kN
35	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metal & its Alloys	% Elongation	IS 1608 (Part-1): 2018	0 % to 80 %



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36	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metal & its Alloys	Breaking Load	IS 1608 (Part-1): 2018	0.1 kN to 400 kN
37	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metal & its alloys	Brinell Hardness Test (HBW)	IS 1500 (I): 2013	125 HBW to 350 HBW
38	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metal & its alloys	Effective Case Depth Measurement (Hardness Traverse Method)	IS 6416: 1988 RA 2018	0.01 mm to 5.0 mm
39	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metal & its Alloys	Rockwell Hardness Test (HRBW)	IS 1586 (I): 2018	30 HRBW to 100 HRBW
40	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metal & its alloys	Rockwell Hardness Test (HRC)	IS 1586 (I): 2018	20 HRC to 70 HRC
41	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metal & its alloys	Vickers Hardness Test (Hv1)	IS 1501 : 2002	4.9 Hv1 to 1000 Hv1
42	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metal & its Alloys	Yield Strength (Proof Stress)	IS 1608 (Part-1): 2018	0.1 kN to 400 kN



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43	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metal and its Alloys	Rockwell Hardness Test (HRA)	IS 1586 (I): 2018	40 HRA to 88 HRA
44	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous metal and its alloys	Tensile Strength	IS 1608 (Part-1): 2018	0.1 kN to 400 kN