National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : S. N. HEAT TREATMENT PRIVATE LIMITED, PLOT NO.: B-70, MIDC AREA, WALUJ, AURANGABAD, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5127 **Page No** 1 of 3

Validity 10/05/2023 to 09/05/2025 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Chromium	ASTM E 1251
2	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Copper	ASTM E 1251
3	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Iron	ASTM E 1251
4	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Lead	ASTM E 1251
5	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Magnesium	ASTM E 1251
6	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Manganese	ASTM E 1251
7	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Nickel	ASTM E 1251
8	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Silicon	ASTM E 1251
9	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Tin	ASTM E 1251
10	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Zinc	ASTM E 1251
11	CHEMICAL- METALS & ALLOYS	Carbon Steel and Low Alloy Steel	Aluminum	ASTM-E-415
12	CHEMICAL- METALS & ALLOYS	Carbon Steel and Low Alloy Steel	Carbon	ASTM E 415
13	CHEMICAL- METALS & ALLOYS	Carbon Steel and Low Alloy Steel	Chromium	ASTM E 415
14	CHEMICAL- METALS & ALLOYS	Carbon Steel and Low Alloy Steel	Copper	ASTM-E-415
15	CHEMICAL- METALS & ALLOYS	Carbon Steel and Low Alloy Steel	Manganese	ASTM E 415
16	CHEMICAL- METALS & ALLOYS	Carbon Steel and Low Alloy Steel	Molybdenum	ASTM E 415
17	CHEMICAL- METALS & ALLOYS	Carbon Steel and Low Alloy Steel	Nickel	ASTM E 415
18	CHEMICAL- METALS & ALLOYS	Carbon Steel and Low Alloy Steel	Phosphorus	ASTM E 415

SCOPE OF ACCREDITATION

Laboratory Name : S. N. HEAT TREATMENT PRIVATE LIMITED, PLOT NO.: B-70, MIDC AREA, WALUJ, AURANGABAD, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5127 **Page No** 2 of 3

Validity 10/05/2023 to 09/05/2025 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
19	CHEMICAL- METALS & ALLOYS	Carbon Steel and Low Alloy Steel	Silicon	ASTM E 415
20	CHEMICAL- METALS & ALLOYS	Carbon Steel and Low Alloy Steel	Sulfur	ASTN E 415
21	CHEMICAL- METALS & ALLOYS	Carbon Steel and Low Alloy Steel	Vanadium	ASTM E 415
22	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM E 1086
23	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E 1086
24	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E 1086
25	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E 1086
26	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E 1086
27	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E 1086
28	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	ASTM E 1086
29	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E 1086
30	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulfur	ASTM E 1086
31	CHEMICAL- PLASTIC & RESINS	Plastic & Rubber	Grade Identification of Plastic	ASTM E 1252 Clause 7.5 (using FTIR Spectrophotometer)
32	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium Metal & its Alloys	% Elongation	IS 1608 (Part-1)
33	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium Metal & its Alloys	Breaking Load	IS 1608 (Part-1)
34	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium metal & its alloys	Rockwell Hardness Test (HRBW)	IS 1586 (Part 1)
35	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium Metal & its Alloys	Yield Strength (Proof Stress)	IS 1608 (Part-1)

SCOPE OF ACCREDITATION

Laboratory Name : S. N. HEAT TREATMENT PRIVATE LIMITED, PLOT NO.: B-70, MIDC AREA, WALUJ, AURANGABAD, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5127 **Page No** 3 of 3

Validity 10/05/2023 to 09/05/2025 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
36	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Metal and its alloys	Tensile Strength	IS 1608 Part 1
37	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metal & its Alloys	% Elongation	IS 1608 (Part-1)
38	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metal & its Alloys	Breaking Load	IS 1608 (Part-1)
39	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metal & its alloys	Brinell Hardness Test (HBW)	IS 1500 (Part-1)
40	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metal & its alloys	Effective Case Depth Measurement (Hardness Traverse Method)	IS 6416
41	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metal & its Alloys	Rockwell Hardness Test (HRBW)	IS 1586 (Part 1)
42	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metal & its alloys	Rockwell Hardness Test (HRC)	IS 1586 (Part 1)
43	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metal & its alloys	Vickers Hardness Test (HV1)	IS 1501 (Part 1)
44	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metal & its Alloys	Yield Strength (Proof Stress)	IS 1608 (Part-1)
45	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metal and its Alloys	Rockwell Hardness Test (HRA)	IS 1586 (Part 1)
46	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metal and its alloys	Tensile Strength	IS 1608 (Part-1)
47	MECHANICAL-METALLOGRAPHY TEST	Cast Iron	Designation of Micro-structure of Graphite in Cast Iron	IS : 7754
48	MECHANICAL-METALLOGRAPHY TEST	Steel	Average Grain Size	ASTM-E-112
49	MECHANICAL-METALLOGRAPHY TEST	Steel	Non Metallic Inclusions	IS: 4163
50	MECHANICAL-METALLOGRAPHY TEST	Steel	Volume Fraction of Phases in Steel	ASM Hand Book Volume 9