



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 4

Validity

10/05/2025 to 09/05/2029

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 Testing				
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	IS 11035
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	Aluminum Alloys & its products	Titanium	ASTM E 1251
12	CHEMICAL- METALS & ALLOYS	Carbon Steel and Low Alloy Steel	Boron	JIS-G-1253
13	CHEMICAL- METALS & ALLOYS	Carbon Steel and Low Alloy Steel	Lead	JIS-G-1253
14	CHEMICAL- METALS & ALLOYS	Carbon Steel and Low Alloy Steel	Niobium	JIS-G-1253
15	CHEMICAL- METALS & ALLOYS	Carbon Steel and Low Alloy Steel	Titanium	JIS-G-1253
16	CHEMICAL- METALS & ALLOYS	Carbon Steel and Low Alloy Steel	Aluminum	JIS-G-1253
17	CHEMICAL- METALS & ALLOYS	Carbon Steel and Low Alloy Steel	Carbon	JIS-G-1253
18	CHEMICAL- METALS & ALLOYS	Carbon Steel and Low Alloy Steel	Chromium	JIS-G-1253
19	CHEMICAL- METALS & ALLOYS	Carbon Steel and Low Alloy Steel	Copper	JIS-G-1253



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20	CHEMICAL- METALS & ALLOYS	Carbon Steel and Low Alloy Steel	Manganese	JIS-G-1253
21	CHEMICAL- METALS & ALLOYS	Carbon Steel and Low Alloy Steel	Molybdenum	JIS-G-1253
22	CHEMICAL- METALS & ALLOYS	Carbon Steel and Low Alloy Steel	Nickel	JIS-G-1253
23	CHEMICAL- METALS & ALLOYS	Carbon Steel and Low Alloy Steel	Phosphorus	JIS-G-1253
24	CHEMICAL- METALS & ALLOYS	Carbon Steel and Low Alloy Steel	Silicon	JIS-G-1253
25	CHEMICAL- METALS & ALLOYS	Carbon Steel and Low Alloy Steel	Sulfur	JIS-G-1253
26	CHEMICAL- METALS & ALLOYS	Carbon Steel and Low Alloy Steel	Vanadium	JIS-G-1253
27	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	JIS-G-1253
28	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	JIS-G-1253
29	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	JIS-G-1253
30	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	JIS-G-1253
31	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	JIS-G-1253
32	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	JIS-G-1253
33	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	JIS-G-1253
34	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	JIS-G-1253
35	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulfur	JIS-G-1253
36	CHEMICAL- METALS & ALLOYS	Stainless Steel & its products	Niobium	JIS-G-1253
37	CHEMICAL- METALS & ALLOYS	Stainless Steel & its products	Nitrogen	JIS-G-1253
38	CHEMICAL- METALS & ALLOYS	Stainless Steel & its products	Titanium	JIS-G-1253
39	CHEMICAL- METALS & ALLOYS	Stainless Steel & its products	Tungsten	JIS-G-1253



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40	CHEMICAL- PLASTIC & RESINS	Plastic & Rubber	Grade Identification of Plastic	ASTM E 1252 Clause 7.5 (using FTIR Spectrophotometer)
41	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium Metal & its Alloys	% Elongation	IS 1608 (Part-1)
42	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium Metal & its Alloys	Breaking Load	IS 1608 (Part-1)
43	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium metal & its alloys	Rockwell Hardness Test (HRBW)	IS 1586 (Part 1)
44	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium Metal & its Alloys	Yield Strength (Proof Stress)	IS 1608 (Part-1)
45	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium Metal and its alloys	Tensile Strength	IS 1608 Part 1
46	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum alloy & Its products	% Area Reduction	IS 1608 (Part-1)
47	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metal & its Alloys	% Elongation	IS 1608 (Part-1)
48	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metal & its Alloys	Breaking Load	IS 1608 (Part-1)
49	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metal & its alloys	Brinell Hardness Test (HBW)	IS 1500 (Part-1)
50	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metal & its alloys	Effective Case Depth Measurement (Hardness Traverse Method)	IS 6416
51	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metal & its Alloys	Rockwell Hardness Test (HRBW)	IS 1586 (Part 1)
52	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metal & its alloys	Rockwell Hardness Test (HRC)	IS 1586 (Part 1)
53	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metal & its alloys	Vickers Hardness Test (HV1)	IS 1501 (Part 1)
54	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metal & its Alloys	Yield Strength (Proof Stress)	IS 1608 (Part-1)

This is annexure to 'Certificate of Accreditation' and does not require any signature.



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55	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous metal & its Products	Vickers Hardness Test (Hv0.10)	IS 1501(Part-1)
56	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous metal & its Products	Vickers Hardness Test (Hv0.3)	IS 1501(Part-1)
57	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous metal & its Products	Vickers Hardness Test (Hv30)	IS 1501(Part-1)
58	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous metal & its Products	Bend Test (Mandrel Sizes: 16.0mm, 18.0mm, 22.0mm, 24.0mm, 30.0mm, 40.0mm, 48.0mm, 60.0mm, 96.0mm, 120.0mm)	IS 1599
59	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metal & Its Products	% Area Reduction	IS 1608 (Part-1)
60	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous metal & its Products	Vickers Hardness Test (Hv10)	IS 1501(Part-1).2022
61	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metal and its Alloys	Rockwell Hardness Test (HRA)	IS 1586 (Part 1)
62	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous metal and its alloys	Tensile Strength	IS 1608 (Part-1)
63	MECHANICAL- METALLOGRAPHY TEST	Aluminum alloys & its products	Microstructure Analysis of Non Ferrous Metal - Aluminum Alloys	ASM handbook Volume-9
64	MECHANICAL- METALLOGRAPHY TEST	Cast Iron	Designation of Micro-structure of Graphite in Cast Iron	IS : 7754
65	MECHANICAL- METALLOGRAPHY TEST	Ferrous Metal & its Products	Coating thickness of Electroplated components (Microscopic Method)	IS 3203
66	MECHANICAL- METALLOGRAPHY TEST	Ferrous Metal & its products	Determination of decarburization depth by Microscopic Method	IS 6396
67	MECHANICAL- METALLOGRAPHY TEST	Steel	Average Grain Size	ASTM-E-112
68	MECHANICAL- METALLOGRAPHY TEST	Steel	Non Metallic Inclusions	IS: 4163
69	MECHANICAL- METALLOGRAPHY TEST	Steel	Volume Fraction of Phases in Steel	ASM Hand Book Volume 9