



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : METALLURGY LAB, SANSERA ENGINEERING LIMITED, NO: 261/C, PLANT 2, BOMMASANDRA INDL. AREA, BENGALURU, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6289 **Page No** 1 of 3

Validity 19/01/2025 to 18/01/2029 **Last Amended on** 21/01/2025

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	Carbon & Low Alloy steel	Aluminium	ASTM E415
2	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy steel	Aluminium	IS 8811
3	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy steel	Carbon	ASTM E415
4	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy steel	Carbon	IS 8811
5	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy steel	Chromium	ASTM E415
6	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy steel	Chromium	IS 8811
7	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy steel	Copper	ASTM E415
8	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy steel	Copper	IS 8811
9	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy steel	Manganese	ASTM E415
10	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy steel	Manganese	IS 8811
11	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy steel	Molybdenum	ASTM E415
12	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy steel	Molybdenum	IS 8811
13	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy steel	Nickel	ASTM E415
14	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy steel	Nickel	IS 8811
15	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy steel	Phosphorus	ASTM E415
16	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy steel	Phosphorus	IS 8811
17	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy steel	Silicon	ASTM E415
18	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy steel	Silicon	IS 8811
19	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy steel	Sulphur	ASTM E415



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20	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy steel	Sulphur	IS 8811
21	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy steel	Vanadium	ASTM E415
22	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy steel	Vanadium	IS 8811
23	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Case hardened and Induction hardened steels	Estimation of Effective Case Depth by Vickers Hardness Method (ECD 0.3kgf)	IS 6416
24	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Case hardened and Induction hardened Steels	Estimation of Effective Case Depth by Vickers Hardness Method (ECD 1 kgf)	IS 6416
25	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Case hardened and Induction hardened Steels/ Quenched & Tempered	Macro Vickers hardness test	IS 1501 : Part 1
26	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Hardness - HV0.3	IS 1501 : Part 1
27	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Hardness - HV1	IS 1501 : Part 1
28	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel & Products	0.2% Proof stress (Dia 5 to 10mm)	IS 1608 Part 1
29	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel & Products	Brinell Hardness test (HBW/(5mm/750Kgf))	IS 1500 : Part 1
30	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steels & Products	% Elongation (Dia 5 to 10mm)	IS 1608 : Part1
31	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steels & Products	% Reduction in Area (Dia 5 to 10mm)	IS 1608 : Part1
32	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steels & Products	%0.2 Proof stress (Flat sample Width : 12.5 to 20mm)	IS 1608 Part 1
33	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steels & Products	Brinell Hardness Test (HBW/(10mm/3000Kgf))	IS 1500 : Part 1
34	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steels & Products	Elongation (Flat sample Width : 12.5 to 20mm)	IS 1608 Part 1



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35	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steels & Products	Rockwell Hardness Test (HRA)	IS 1586 : Part 1
36	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steels & Products	Rockwell Hardness Test (HRC)	IS 1586 : Part 1
37	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steels & Products	Tensile Strength (Dia 5 to 10mm)	IS 1608 : Part 1
38	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steels & Products	Tensile strength (Flat sample Width : 12.5 to 20mm)	IS1608 Part 1
39	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steels & Products	Yield Strength (Dia 5 to 10mm)	IS 1608 : Part 1
40	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steels & Products	Yield strength (Flat sample Width : 12.5 to 20mm)	IS 1608 Part1
41	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steels & Products	Rockwell hardness Test (HRC)	IS 1586 : Part 1
42	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Micro-Structural Analysis	ASM Hand Book Volume 9, 9th Edition
43	MECHANICAL-METALLOGRAPHY TEST	Steels	Inclusion Content	ASTM E45
44	MECHANICAL-METALLOGRAPHY TEST	Steels	Inclusion Content	IS:4163
45	MECHANICAL-METALLOGRAPHY TEST	Steels & Products	Depth of Decarburization	IS 6396
46	MECHANICAL-METALLOGRAPHY TEST	Steels & Products	Grain Size / Austenitic Grain Size (Un-twinned Grain)	IS: 4748 (Comparison Method)
47	MECHANICAL-METALLOGRAPHY TEST	Steels & Products	Grain Size / Austenitic Grain Size (Untwinned Grain)	ASTM E112 (Comparison Method)