National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : J. K. METALLURGICAL SERVICES, 663-664, 1ST FLOOR, M.T.H.ROAD, CHENNAI, THIRUVALLUR, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5920 **Page No** 1 of 4

Validity 19/08/2022 to 18/08/2024 **Last Amended on** 18/02/2023

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	High Alloy steel	Carbon	JIS G1253
2	CHEMICAL- METALS & ALLOYS	High Alloy Steel	Chromium	JIS G1253
3	CHEMICAL- METALS & ALLOYS	High Alloy Steel	Chromium	JIS G1253
4	CHEMICAL- METALS & ALLOYS	High Alloy steel	Cobalt	JIS G1253
5	CHEMICAL- METALS & ALLOYS	High Alloy steel	Manganese	JIS G1253
6	CHEMICAL- METALS & ALLOYS	High Alloy Steel	Nickel	JIS G1253
7	CHEMICAL- METALS & ALLOYS	High Alloy steel	Sulphur	JIS G1253
8	CHEMICAL- METALS & ALLOYS	High Alloy Steel.	Molybdenum	JIS G1253
9	CHEMICAL- METALS & ALLOYS	High Alloy Steel.	Phosphorous	JIS G1253
10	CHEMICAL- METALS & ALLOYS	High Alloy Steel.	Silicon	JIS G1253
11	CHEMICAL- METALS & ALLOYS	High Alloy Steel.	Tungsten	JIS G1253
12	CHEMICAL- METALS & ALLOYS	High Alloy Steel.	Vanadium	JIS G1253
13	CHEMICAL- METALS & ALLOYS	Plain carbon steel, Mild steel (MS),Low Alloy Steel(LAS)	Aluminium	ASTM E415
14	CHEMICAL- METALS & ALLOYS	Plain carbon steel, Mild steel (MS),Low Alloy Steel(LAS)	Carbon	ASTM E415
15	CHEMICAL- METALS & ALLOYS	Plain carbon steel, Mild steel (MS),Low Alloy Steel(LAS)	Chromium	ASTM E415
16	CHEMICAL- METALS & ALLOYS	Plain carbon steel, Mild steel (MS),Low Alloy Steel(LAS)	Copper	ASTM E415
17	CHEMICAL- METALS & ALLOYS	Plain carbon steel, Mild steel (MS),Low Alloy Steel(LAS)	Manganese	ASTM E415
18	CHEMICAL- METALS & ALLOYS	Plain carbon steel, Mild steel (MS),Low Alloy Steel(LAS)	Molybdenum	ASTM E415

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19	CHEMICAL- METALS & ALLOYS	Plain carbon steel, Mild steel (MS),Low Alloy Steel(LAS)	Nickel	ASTM E415
20	CHEMICAL- METALS & ALLOYS	Plain carbon steel, Mild steel (MS),Low Alloy Steel(LAS)	Phosphorous	ASTM E415
21	CHEMICAL- METALS & ALLOYS	Plain carbon steel, Mild steel (MS),Low Alloy Steel(LAS)	Silicon	ASTM E415
22	CHEMICAL- METALS & ALLOYS	Plain carbon steel, Mild steel (MS),Low Alloy Steel(LAS)	Sulphur	ASTM E415
23	CHEMICAL- METALS & ALLOYS	Plain carbon steel, Mild steel (MS),Low Alloy Steel(LAS)	Vanadium	ASTM E415
24	CHEMICAL- METALS & ALLOYS	Plain carbon steel, Mild steel (MS),Low Alloy Steel(LAS)	Aluminium	IS:8811:1998
25	CHEMICAL- METALS & ALLOYS	Plain carbon steel, Mild steel (MS),Low Alloy Steel(LAS)	Carbon	IS:8811:1998
26	CHEMICAL- METALS & ALLOYS	Plain carbon steel, Mild steel (MS),Low Alloy Steel(LAS)	Chromium	IS:8811:1998
27	CHEMICAL- METALS & ALLOYS	Plain carbon steel, Mild steel (MS),Low Alloy Steel(LAS)	Copper	IS:8811:1998
28	CHEMICAL- METALS & ALLOYS	Plain carbon steel, Mild steel (MS),Low Alloy Steel(LAS)	Manganese	IS:8811:1998
29	CHEMICAL- METALS & ALLOYS	Plain carbon steel, Mild steel (MS),Low Alloy Steel(LAS)	Molybdenum	IS:8811:1998
30	CHEMICAL- METALS & ALLOYS	Plain carbon steel, Mild steel (MS),Low Alloy Steel(LAS)	Nickel	IS:8811:1998
31	CHEMICAL- METALS & ALLOYS	Plain carbon steel, Mild steel (MS),Low Alloy Steel(LAS)	Phosphorous	IS:8811:1998
32	CHEMICAL- METALS & ALLOYS	Plain carbon steel, Mild steel (MS),Low Alloy Steel(LAS)	Silicon	IS:8811:1998
33	CHEMICAL- METALS & ALLOYS	Plain carbon steel, Mild steel (MS),Low Alloy Steel(LAS)	Sulphur	IS:8811:1998
34	CHEMICAL- METALS & ALLOYS	Plain carbon steel, Mild steel (MS),Low Alloy Steel(LAS)	Vanadium	IS 8811:1998
35	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM E1086
36	CHEMICAL- METALS & ALLOYS	Stainless steel	Carbon	IS9879:1998
37	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E1086

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Accreditation Standard ISO/IEC 17025:2017

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38	CHEMICAL- METALS & ALLOYS	Stainless steel	Chromium	IS9879:1998
39	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E1086
40	CHEMICAL- METALS & ALLOYS	Stainless steel	Manganese	IS9879:1998
41	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E1086
42	CHEMICAL- METALS & ALLOYS	Stainless steel	Molybdenum	IS9879:1998
43	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E1086
44	CHEMICAL- METALS & ALLOYS	Stainless steel	Nickel	IS9879:1998
45	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorous	ASTM E1086
46	CHEMICAL- METALS & ALLOYS	Stainless steel	Phosphorous	IS9879:1998
47	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E1086
48	CHEMICAL- METALS & ALLOYS	Stainless steel	Silicon	IS9879:1998
49	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	ASTM E1086
50	CHEMICAL- METALS & ALLOYS	Stainless steel	Sulphur	IS9879:1998
51	CHEMICAL- METALS & ALLOYS	steel(free cutting)	Sulphur	JIS G1253
52	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous Alloys & Products)	Bend Test	ASTM A370
53	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous Alloys & Products)	Rockwell Hardness Test (HRBW)	ASTM E18
54	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous alloys & Products)	% Elongation after Fracture	IS 1608 Part 1

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55	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous alloys & Products)	% Reduction of Area	IS 1608 Part 1
56	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous Alloys & Products)	Bend Test	IS 1599
57	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous alloys & Products)	Brinell Hardness (HBW 2.5/187.5)	IS 1500 Part 1
58	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous alloys & Products)	Proof Strength (0.2%)	IS 1608 Part 1
59	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous Alloys & Products)	Rockwell Hardness (HRC)	IS 1586:PART 1
60	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous Alloys & Products)	Rockwell Hardness Test (HRC)	ASTM E18
61	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous Alloys & Products)	Rockwell Hardness Test (HRBW)	IS1586: PART1
62	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous alloys & Products)	Tensile Strength	IS 1608 Part 1
63	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous alloys & Products)	Yield Strength	IS 1608 Part 1
64	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	% Elongation	ASTM A370
65	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	% Reduction of Area	ASTM A370
66	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	Tensile Strength	ASTM A370
67	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	Yield Strength	ASTM A370
68	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	Yield Strength (0.2% offset)	ASTM A370