National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : METAL TESTING CENTRE, NO. 1, PARTHIBAN STREET, ULLAGARAM, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 02/08/2022 to 01/08/2024 **Last Amended on** 02/09/2022

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 E1251
2	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Chromium	IS 11035
3	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Copper	ASTM E1251
4	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Copper	IS 11035
5	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Iron	ASTM E1251
6	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Iron	IS 11035
7	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Lead	ASTM E1251
8	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Magnesium	ASTM E1251
9	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Magnesium	IS 11035
10	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Manganese	ASTM E1251
11	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Manganese	IS 11035
12	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Nickel	ASTM E1251
13	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Silicon	ASTM E1251
14	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Silicon	IS 11035
15	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Tin	ASTM E1251
16	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Titanium	ASTM E1251
17	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Titanium	IS 11035
18	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Zinc	ASTM E1251

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19	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Zinc	IS 11035
20	CHEMICAL- METALS & ALLOYS	Carbon and Alloy steel	Aluminium	ASTM E415
21	CHEMICAL- METALS & ALLOYS	Carbon and Alloy steel	Aluminium	IS 8811
22	CHEMICAL- METALS & ALLOYS	Carbon and Alloy steel	Carbon	ASTM E415
23	CHEMICAL- METALS & ALLOYS	Carbon and Alloy steel	Carbon	IS 8811
24	CHEMICAL- METALS & ALLOYS	Carbon and Alloy steel	Chromium	ASTM E415
25	CHEMICAL- METALS & ALLOYS	Carbon and Alloy steel	Chromium	IS 8811
26	CHEMICAL- METALS & ALLOYS	Carbon and Alloy steel	Copper	ASTM E415
27	CHEMICAL- METALS & ALLOYS	Carbon and Alloy steel	Copper	IS 8811
28	CHEMICAL- METALS & ALLOYS	Carbon and Alloy steel	Manganese	ASTM E415
29	CHEMICAL- METALS & ALLOYS	Carbon and Alloy steel	Manganese	IS 8811
30	CHEMICAL- METALS & ALLOYS	Carbon and Alloy steel	Molybdenum	ASTM E415
31	CHEMICAL- METALS & ALLOYS	Carbon and Alloy steel	Molybdenum	IS 8811
32	CHEMICAL- METALS & ALLOYS	Carbon and Alloy steel	Nickel	ASTM E415
33	CHEMICAL- METALS & ALLOYS	Carbon and Alloy steel	Nickel	IS 8811
34	CHEMICAL- METALS & ALLOYS	Carbon and Alloy steel	Phosphorus	ASTM E415
35	CHEMICAL- METALS & ALLOYS	Carbon and Alloy steel	Phosphorus	IS 8811
36	CHEMICAL- METALS & ALLOYS	Carbon and Alloy steel	Silicon	ASTM E415
37	CHEMICAL- METALS & ALLOYS	Carbon and Alloy steel	Silicon	IS 8811

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38	CHEMICAL- METALS & ALLOYS	Carbon and Alloy steel	Sulphur	ASTM E415
39	CHEMICAL- METALS & ALLOYS	Carbon and Alloy steel	Sulphur	IS 8811
40	CHEMICAL- METALS & ALLOYS	Carbon and Alloy steel	Vanadium	ASTM E415
41	CHEMICAL- METALS & ALLOYS	Carbon and Alloy steel	Vanadium	IS 8811
42	CHEMICAL- METALS & ALLOYS	Carbon Steel	Carbon	ASTM E415
43	CHEMICAL- METALS & ALLOYS	Carbon Steel	Carbon	IS 8811
44	CHEMICAL- METALS & ALLOYS	Carbon Steel	Manganese	ASTM E415
45	CHEMICAL- METALS & ALLOYS	Carbon Steel	Manganese	IS 8811
46	CHEMICAL- METALS & ALLOYS	Carbon Steel	Phosphorus	ASTM E415
47	CHEMICAL- METALS & ALLOYS	Carbon Steel	Phosphorus	IS 8811
48	CHEMICAL- METALS & ALLOYS	Carbon Steel	Silicon	ASTM E415
49	CHEMICAL- METALS & ALLOYS	Carbon Steel	Silicon	IS 8811
50	CHEMICAL- METALS & ALLOYS	Carbon Steel	sulphur	ASTM E415
51	CHEMICAL- METALS & ALLOYS	Carbon Steel	Sulphur	IS 8811
52	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Aluminium	BS EN 15079
53	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Iron	BS EN 15079
54	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Lead	BS EN 15079
55	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Manganese	BS EN 15079
56	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Nickel	BS EN 15079

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57	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Phosphorus	BS EN 15079
58	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Silicon	BS EN 15079
59	CHEMICAL- METALS & ALLOYS	Copper & its Alloys	Tin	BS EN 15079
60	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Zinc	BS EN 15079
61	CHEMICAL- METALS & ALLOYS	High Alloy Steel (Stainless Steel)	Carbon	JIS G 1253 (Amend-1))
62	CHEMICAL- METALS & ALLOYS	High Alloy Steel (Stainless Steel)	Chromium	JIS G 1253 (AMEND-1)
63	CHEMICAL- METALS & ALLOYS	High Alloy Steel (Stainless Steel)	Copper	JIS G 1253 (AMEND-1)
64	CHEMICAL- METALS & ALLOYS	High Alloy Steel (Stainless Steel)	Manganese	JIS G 1253 (AMEND-1)
65	CHEMICAL- METALS & ALLOYS	High Alloy Steel (Stainless Steel)	Molybdenum	JIS G 1253 (AMEND-1)
66	CHEMICAL- METALS & ALLOYS	High Alloy Steel (Stainless Steel)	Nickel	JIS G 1253 (AMEND-1)
67	CHEMICAL- METALS & ALLOYS	High Alloy Steel (Stainless Steel)	Phosphorus	JIS G 1253 (AMEND-1)
68	CHEMICAL- METALS & ALLOYS	High Alloy Steel (Stainless Steel)	Silicon	JIS G 1253 (AMEND-1)
69	CHEMICAL- METALS & ALLOYS	High Alloy Steel (Stainless Steel)	Sulphur	JIS G 1253 (Amend-1)
70	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM E1086
71	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS 9879
72	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E1086
73	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 9879
74	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E1086
75	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	IS 9879

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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
76	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E1086
77	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS 9879
78	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E1086
79	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	IS 9879
80	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E1086
81	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 9879
82	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nitrogen	IS 228 Part-23
83	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	ASTM 1086
84	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	IS 9879
85	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E1086
86	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	IS 9879
87	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	ASTM E1086
88	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	IS 9879
89	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium & its Alloy, Copper & its Alloy	Elongation Percentage	IS 1608 Part-1
90	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium & its Alloy, Copper & its Alloy	Tensile Strength	IS 1608 Part-1
91	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel and their Alloy	Elongation Percentage	IS 1608 Part-1
92	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel and their Alloy	Reduction Area	IS 1608 Part-1

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93	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel and Their Alloy	Rockwell HRBW	IS 1586 Part-1
94	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel and their Alloy	Rockwell HRC	IS 1586 Part-1
95	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel and their Alloy	Tensile Strength	IS 1608 Part-1
96	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel and their Alloy	Yield Strength	IS 1608 Part-1