National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MATERIAL TESTING LAB, CMTI, TUMKUR ROAD, BENGALURU, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5709 **Page No** 1 of 5

Validity 12/07/2022 to 11/07/2024 **Last Amended on** 10/11/2022

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- METALLIC COATINGS & TREATMENT SOLUTIONS	Acrylic Coating on Conductive Substrate	Acrylic Coating	ASTM E376
2	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Acrylic Coating on Magnetic Substrate	Acrylic Coating	ASTM E376
3	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Chromium Coating on Iron based alloys	Chromium Coating	ASTM B568
4	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Copper Coating on Ironr based alloys	Copper Coating	ASTM B568
5	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Copper Coating on Magnetic Substrate	Copper Coating	ASTM E376
6	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Gold Coating on copper based alloys	Gold Coating	ASTM B568
7	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Nickel Coating on copper based alloys	Nickel Coating	ASTM B568
8	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Paint Coating on Conductive Substrate	Paint Coating	ASTM E376
9	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Paint Coating on Magnetic Substrate	Paint Coating	ASTM E376:2019
10	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Silver Coating on copper based alloys	Silver Coating	ASTM B568
11	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Tin Coating on copper based alloys	Tin Coating	ASTM B568
12	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Zinc Coating on Iron based alloys	Zinc Coating	ASTM B568
13	CHEMICAL- METALS & ALLOYS	Alloy steel	Aluminium (Al)	JIS G1253
14	CHEMICAL- METALS & ALLOYS	Alloy steel	Boron (B)	JIS G 1253

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15	CHEMICAL- METALS & ALLOYS	Alloy steel	Carbon (C)	JIS G 1253
16	CHEMICAL- METALS & ALLOYS	Alloy steel	Chromium (Cr)	JIS G 1253
17	CHEMICAL- METALS & ALLOYS	Alloy steel	Cobalt (Co)	JIS G 1253
18	CHEMICAL- METALS & ALLOYS	Alloy steel	Copper (Cu)	JIS G 1253
19	CHEMICAL- METALS & ALLOYS	Alloy steel	Lead (Pb)	JIS G 1253
20	CHEMICAL- METALS & ALLOYS	Alloy steel	Manganese (Mn)	JIS G 1253
21	CHEMICAL- METALS & ALLOYS	Alloy steel	Molybdenum (Mo)	JIS G 1253
22	CHEMICAL- METALS & ALLOYS	Alloy steel	Nickel (Ni)	JIS G 1253
23	CHEMICAL- METALS & ALLOYS	Alloy steel	Niobium (Nb)	JIS G 1253
24	CHEMICAL- METALS & ALLOYS	Alloy steel	Nitrogen (N)	JIS G 1253
25	CHEMICAL- METALS & ALLOYS	Alloy steel	Phosphorus (P)	JIS G 1253
26	CHEMICAL- METALS & ALLOYS	Alloy steel	Silicon (Si)	JIS G 1253
27	CHEMICAL- METALS & ALLOYS	Alloy steel	Sulphur (S)	JIS G 1253
28	CHEMICAL- METALS & ALLOYS	Alloy steel	Titanium (Ti)	JIS G 1253
29	CHEMICAL- METALS & ALLOYS	Alloy steel	Tungsten (W)	JIS G 1253
30	CHEMICAL- METALS & ALLOYS	Alloy steel	Vanadium (V)	JIS G 1253
31	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Chromium (Cr)	ASTM E1251
32	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Copper (Cu)	ASTM E1251
33	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Iron (Fe)	ASTM E1251

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34	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Lead (Pb)	ASTM E1251
35	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Magnesium (Mg)	ASTM E1251
36	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Manganese (Mn)	ASTM E1251
37	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Nickel (Ni)	ASTM E1251
38	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Silicon (Si)	ASTM E1251
39	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Tin (Sn)	ASTM E1251
40	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Titanium (Ti)	ASTM E1251
41	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Zinc (Zn)	ASTM E1251
42	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Aluminium (Al)	BS EN15079
43	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Antimony (Sb)	BS EN15079
44	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Beryllium (Be)	BS EN15079
45	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Bismuth (Bi)	BS EN15079
46	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Chromium (Cr)	BS EN15079
47	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Iron (Fe)	BS EN15079
48	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Lead (Pb)	BS EN15079
49	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Manganese (Mn)	BS EN15079
50	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Nickel (Ni)	BS EN15079
51	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Phosphorus (P)	BS EN15079
52	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Silicon (Si)	BS EN15079

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53	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Tin (Sn)	BS EN15079
54	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Zinc (Zn)	BS EN15079
55	CHEMICAL- METALS & ALLOYS	High Carbon High Chromium Steel & Cast Iron	Carbon (C)	JIS G 1253
56	CHEMICAL- METALS & ALLOYS	High Carbon High Chromium Steel & Cast Iron	Chromium (Cr)	JIS G 1253
57	CHEMICAL- METALS & ALLOYS	High Carbon High Chromium Steel & Cast Iron	Copper (Cu)	JIS G 1253
58	CHEMICAL- METALS & ALLOYS	High Carbon High Chromium Steel & Cast Iron	Manganese (Mn)	JIS G 1253
59	CHEMICAL- METALS & ALLOYS	High Carbon High Chromium Steel & Cast Iron	Molybdenum (Mo)	JIS G 1253
60	CHEMICAL- METALS & ALLOYS	High Carbon High Chromium Steel & Cast Iron	Nickel (Ni)	JIS G 1253
61	CHEMICAL- METALS & ALLOYS	High Carbon High Chromium Steel & Cast Iron	Phosphorus (P)	JIS G 1253
62	CHEMICAL- METALS & ALLOYS	High Carbon High Chromium Steel & Cast Iron	Silicon (Si)	JIS G 1253
63	CHEMICAL- METALS & ALLOYS	High Carbon High Chromium Steel & Cast Iron	Sulphur (S)	JIS G 1253
64	CHEMICAL- METALS & ALLOYS	High Carbon High Chromium Steel & Cast Iron	Vanadium (V)	JIS G 1253
65	CHEMICAL- METALS & ALLOYS	High Speed Steel	Carbon (C)	JIS G 1253
66	CHEMICAL- METALS & ALLOYS	High Speed Steel	Chromium (Cr)	JIS G 1253
67	CHEMICAL- METALS & ALLOYS	High Speed Steel	Cobalt (Co)	JIS G 1253
68	CHEMICAL- METALS & ALLOYS	High Speed Steel	Manganese (Mn)	JIS G 1253
69	CHEMICAL- METALS & ALLOYS	High Speed Steel	Molybdenum (Mo)	JIS G 1253
70	CHEMICAL- METALS & ALLOYS	High Speed Steel	Phosphorus (P)	JIS G 1253
71	CHEMICAL- METALS & ALLOYS	High Speed Steel	Silicon (Si)	JIS G 1253

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72	CHEMICAL- METALS & ALLOYS	High Speed Steel	Sulphur (S)	JIS G 1253
73	CHEMICAL- METALS & ALLOYS	High Speed Steel	Tungsten (W)	JIS G 1253
74	CHEMICAL- METALS & ALLOYS	High Speed Steel	Vanadium (V)	JIS G 1253
75	CHEMICAL- METALS & ALLOYS	Stainless steel	Carbon (C)	JIS G 1253
76	CHEMICAL- METALS & ALLOYS	Stainless steel	Chromium (Cr)	JIS G 1253
77	CHEMICAL- METALS & ALLOYS	Stainless steel	Copper (Cu)	JIS G 1253
78	CHEMICAL- METALS & ALLOYS	Stainless steel	Manganese (Mn)	JIS G 1253
79	CHEMICAL- METALS & ALLOYS	Stainless steel	Molybdenum (Mo)	JIS G 1253
80	CHEMICAL- METALS & ALLOYS	Stainless steel	Nickel (Ni)	JIS G 1253
81	CHEMICAL- METALS & ALLOYS	Stainless steel	Niobium (Nb)	JIS G 1253
82	CHEMICAL- METALS & ALLOYS	Stainless steel	Nitrogen (N)	JIS G 1253
83	CHEMICAL- METALS & ALLOYS	Stainless steel	Phosphorus (P)	JIS G 1253
84	CHEMICAL- METALS & ALLOYS	Stainless steel	Silicon (Si)	JIS G 1253
85	CHEMICAL- METALS & ALLOYS	Stainless steel	Sulphur (S)	JIS G 1253
86	CHEMICAL- METALS & ALLOYS	Stainless steel	Titanium (Ti)	JIS G 1253