



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** MET CHEM LABTECH PRIVATE LIMITED, 51, SAPPHIRE TOWER, GROUND FLOOR, SHAPAR (VERAVAL), RAJKOT, GUJARAT, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** TC-7650 **Page No** 1 of 10

**Validity** 16/12/2024 to 15/12/2028 **Last Amended on** 04/03/2025

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	Copper & its alloys	Aluminium	BS EN 15079
2	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Antimony	BS EN 15079
3	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Cobalt	BS EN 15079
4	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Iron	BS EN 15079
5	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Lead	BS EN 15079
6	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Manganese	BS EN 15079
7	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Nickel	BS EN 15079
8	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Phosphorus	BS EN 15079
9	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Silicon	BS EN 15079
10	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Sulfur	BS EN 15079
11	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Tin	BS EN 15079
12	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Zinc	BS EN 15079
13	CHEMICAL- METALS & ALLOYS	Al & Its Alloy by XRF	Aluminium	ASTM E 1476
14	CHEMICAL- METALS & ALLOYS	Al & Its Alloy by XRF	Chromium	ASTM E 1476
15	CHEMICAL- METALS & ALLOYS	Al & Its Alloy by XRF	Copper	ASTM E 1476
16	CHEMICAL- METALS & ALLOYS	Al & Its Alloy by XRF	Iron	ASTM E 1476
17	CHEMICAL- METALS & ALLOYS	Al & Its Alloy by XRF	Lead	ASTM E 1476
18	CHEMICAL- METALS & ALLOYS	Al & Its Alloy by XRF	Manganese	ASTM E 1476
19	CHEMICAL- METALS & ALLOYS	Al & Its Alloy by XRF	Tin	ASTM E 1476



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20	CHEMICAL- METALS & ALLOYS	Al & Its Alloy by XRF	Zinc	ASTM E 1476
21	CHEMICAL- METALS & ALLOYS	Al & Its Alloy by XRF	Zirconium	ASTM E 1476
22	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Bismuth	ASTM E-1251-17a
23	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Chromium	ASTM E-1251-17a
24	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Copper	ASTM E-1251-17a
25	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Iron	ASTM E-1251-17a
26	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Lead	ASTM E-1251-17a
27	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Magnesium	ASTM E-1251-17a
28	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Manganese	ASTM E-1251-17a
29	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Nickel	ASTM E-1251-17a
30	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Silicon	ASTM E-1251-17a
31	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Tin	ASTM E-1251-17a
32	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Titanium	ASTM E-1251-17a
33	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Vanadium	ASTM E-1251-17a
34	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Zinc	ASTM E-1251-17a
35	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Zirconium	ASTM E-1251-17a
36	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Carbon	ASTM E-1086
37	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Carbon	IS 9879
38	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Chromium	ASTM E-1086
39	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Chromium	IS 9879



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40	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Copper	ASTM E-1086
41	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Copper	IS 9879
42	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Manganese	ASTM E-1086
43	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Manganese	IS 9879
44	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Molybdenum	ASTM E-1086
45	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Molybdenum	IS 9879
46	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Nickel	ASTM E-1086
47	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Nickel	IS 9879
48	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Phosphorous	ASTM E-1086
49	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Phosphorous	IS 9879
50	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Silicon	ASTM E-1086
51	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Silicon	IS 9879
52	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Sulfur	ASTM E-1086
53	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Sulfur	IS 9879
54	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Aluminium	JIS G 1253
55	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Aluminum	ASTM E-415
56	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Aluminum	IS 8811
57	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Boron	ASTM E-415
58	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Boron	IS 8811
59	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Boron	JIS G 1253



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60	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Carbon	ASTM E-415
61	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Carbon	IS 8811
62	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Carbon	JIS G 1253
63	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Chromium	ASTM E-415
64	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Chromium	IS 8811
65	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Chromium	JIS G 1253
66	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Cobalt	ASTM E-415
67	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Cobalt	IS 8811
68	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Cobalt	JIS G 1253
69	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Copper	ASTM E-415
70	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Copper	IS 8811
71	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Copper	JIS G 1253
72	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Lead	JIS G 1253
73	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Manganese	ASTM E-415
74	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Manganese	IS 8811
75	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Manganese	JIS G 1253
76	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Molybdenum	ASTM E-415
77	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Molybdenum	IS 8811
78	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Molybdenum	JIS G 1253
79	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Nickel	ASTM E-415



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80	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Nickel	IS 8811
81	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Nickel	JIS G 1253
82	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Niobium	ASTM E-415
83	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Niobium	IS 8811
84	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Phosphorous	ASTM E-415
85	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Phosphorous	IS 8811
86	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Phosphorus	JIS G 1253
87	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Silicon	ASTM E-415
88	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Silicon	IS 8811
89	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Silicon	JIS G 1253
90	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Sulfur	ASTM E-415
91	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Sulfur	IS 8811
92	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Sulfur	JIS G 1253
93	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Tin	ASTM E-415
94	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Tin	IS 8811
95	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Titanium	ASTM E-415
96	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Titanium	IS 8811
97	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Titanium	JIS G 1253
98	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Vanadium	ASTM E-415
99	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Vanadium	IS 8811



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100	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Vanadium	JIS G 1253
101	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	ASTM E-1999
102	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	IS 15338
103	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium	ASTM E-1999
104	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium	IS 15338
105	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper	ASTM E-1999
106	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper	IS 15338
107	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	ASTM E-1999
108	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	IS 15338
109	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdenum	ASTM E-1999
110	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdenum	IS 15338
111	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel	ASTM E-1999
112	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel	IS 15338
113	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorous	ASTM E-1999
114	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorous	IS 15338
115	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	ASTM E-1999
116	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	IS 15338
117	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulfur	ASTM E-1999
118	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulfur	IS 15338
119	CHEMICAL- METALS & ALLOYS	Cast Iron	Titanium	ASTM E-1999



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120	CHEMICAL- METALS & ALLOYS	Cu & Its Alloy by XRF	Copper	ASTM E 1476
121	CHEMICAL- METALS & ALLOYS	Cu & Its Alloy by XRF	Iron	ASTM E 1476
122	CHEMICAL- METALS & ALLOYS	Cu & Its Alloy by XRF	Lead	ASTM E 1476
123	CHEMICAL- METALS & ALLOYS	Cu & Its Alloy by XRF	Nickel	ASTM E 1476
124	CHEMICAL- METALS & ALLOYS	Cu & Its Alloy by XRF	Tin	ASTM E 1476
125	CHEMICAL- METALS & ALLOYS	Cu & Its Alloy by XRF	Zinc	ASTM E 1476
126	CHEMICAL- METALS & ALLOYS	Fe & Its Alloy by XRF	Chromium	ASTM E 1476
127	CHEMICAL- METALS & ALLOYS	Fe & Its Alloy by XRF	Iron	ASTM E 1476
128	CHEMICAL- METALS & ALLOYS	Fe & Its Alloy by XRF	Manganese	ASTM E 1476
129	CHEMICAL- METALS & ALLOYS	Fe & Its Alloy by XRF	Molybdenum	ASTM E 1476
130	CHEMICAL- METALS & ALLOYS	Fe & Its Alloy by XRF	Nickel	ASTM E 1476
131	CHEMICAL- METALS & ALLOYS	Fe & Its Alloy by XRF	Vanadium	ASTM E 1476
132	CHEMICAL- METALS & ALLOYS	Ni & Its Alloy by XRF	Chromium	ASTM E 1476
133	CHEMICAL- METALS & ALLOYS	Ni & Its Alloy by XRF	Iron	ASTM E 1476
134	CHEMICAL- METALS & ALLOYS	Ni & Its Alloy by XRF	Molybdenum	ASTM E 1476
135	CHEMICAL- METALS & ALLOYS	Ni & Its Alloy by XRF	Nickel	ASTM E 1476
136	CHEMICAL- METALS & ALLOYS	Ni & Its Alloy by XRF	Niobium	ASTM E 1476
137	CHEMICAL- METALS & ALLOYS	Ni & Its Alloy by XRF	Titanium	ASTM E 1476
138	CHEMICAL- METALS & ALLOYS	Ni & Its Alloy by XRF	Tungsten	ASTM E 1476
139	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Aluminium	ASTM E 3047



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140	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Carbon	ASTM E 3047
141	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Chromium	ASTM E 3047
142	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Cobalt	ASTM E 3047
143	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Copper	ASTM E 3047
144	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Iron	ASTM E 3047
145	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Magnesium	ASTM E 3047
146	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Manganese	ASTM E 3047
147	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Niobium	ASTM E 3047
148	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Phosphorus	ASTM E 3047
149	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Silicon	ASTM E 3047
150	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Sulphur	ASTM E 3047
151	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Titanium	ASTM E 3047
152	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Tungsten	ASTM E 3047
153	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Vanadium	ASTM E 3047
154	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Hardness Test - Rockwell: B	ASTM E-18
155	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Hardness Test - Rockwell: C	ASTM A-255-2014
156	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Hardness Test - Rockwell: C	ASTM E-18
157	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Hardness Test - Rockwell: C	IS:3848



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158	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test - % Elongation	ASTM A-370
159	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test - % Elongation	IS 1608
160	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test - % Reduction in Area	ASTM A-370
161	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test - % Reduction in Area	IS 1608
162	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test - 0.1 % Proof Stress	ASTM A370
163	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test - 0.1 % Proof Stress	IS 1608
164	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test - 0.2 % Proof Stress	ASTM A-370
165	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test - 0.2 % Proof Stress	IS 1608
166	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test - Ultimate Tensile strength	ASTM A370
167	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test - Ultimate Tensile strength	IS 1608
168	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Carbide Structure (Bearing Steel)	SEP 1520
169	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Case Depth	IS:6416
170	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Decarburization Depth (Microscopic Method)	ASTM E-1077
171	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Decarburization Depth.(Microscopic Method)	IS:6396
172	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Determination of Inclusion Rating	ASTM E-45
173	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Determination of Inclusion Rating	IS:4163



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174	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Grain Size No. 1 to 10	ASTM E-112
175	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Graphite Microstructure In Cast Iron	IS 7754
176	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Macro Etch Test for Flow Lines	ASTM E-381
177	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Microstructure Examination.	ASM Volume 9
178	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials and Duplex, Austenitic / Ferritic Stainless Steel	Detecting Inter Metallic Phase.	ASTM A923-22 ,Method A
179	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials and oxide coating	Coating Thickness	ASTM B-487