



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

ELEMECH LABS PRIVATE LIMITED, PLOT NO 7/2/I/D-13,CAPITAL CITY,
PHASE IV MIDC, NIGHOJE, TEHSIL : KHED, CHAKAN, PUNE,
MAHARASHTRA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-12338

Page No

1 of 21

Validity

29/09/2025 to 28/09/2029

Last Amended on

13/10/2025

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	Aluminum and Aluminum Alloy	Chromium	ASTM E1251
2	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum Alloy	Copper	ASTM E1251
3	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum Alloy	Iron	ASTM E1251
4	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum Alloy	Lead	ASTM E1251
5	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum Alloy	Magnesium	ASTM E1251
6	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum Alloy	Manganese	ASTM E 1251
7	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum Alloy	Nickel	ASTM E1251
8	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum Alloy	Silicon	ASTM E1251
9	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum Alloy	Tin	ASTM E 1251
10	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum Alloy	Titanium	ASTM E1251
11	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum Alloy	Vanadium	ASTM E1251
12	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum Alloy	Zinc	ASTM E1251
13	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steel	Carbon	ASTM E1086
14	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steel	Carbon	JIS G1253
15	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steel	Chromium	ASTM E1086
16	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steel	Chromium	IS 9879
17	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steel	Chromium	JIS G1253
18	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steel	Manganese	ASTM E1086
19	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steel	Manganese	IS 9879



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Page No

2 of 21

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20	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steel	Manganese	JIS G1253
21	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steel	Molybdenum	ASTM E1086
22	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steel	Molybdenum	IS 9879
23	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steel	Phosphorus	ASTM E1086
24	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steel	Phosphorus	IS 9879
25	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steel	Phosphorus	JIS G1253
26	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steel	Silicon	ASTM E1086
27	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steel	Silicon	IS 9879
28	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steel	Silicon	JIS G1253
29	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steel	Sulphur	ASTM E1086
30	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steel	Sulphur	IS 9879
31	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steel	Sulphur	JIS G1253
32	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steel	Carbon	IS 9879
33	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steel	Cobalt	JIS G1253
34	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steel	Copper	JIS G1253
35	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steel	Molybdenum	JIS G1253
36	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steel	Nickel	ASTM E1086
37	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steel	Nickel	IS 9879
38	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steel	Nickel	JIS G1253
39	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steel	Niobium	JIS G1253



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ISO/IEC 17025:2017

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Page No

3 of 21

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40	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steel	Titanium	JIS G1253
41	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steel	Vanadium	JIS G1253
42	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur	ASTM E1999
43	CHEMICAL- METALS & ALLOYS	Cast Iron	% Manganese	IS 12308 (Part-10)
44	CHEMICAL- METALS & ALLOYS	Cast Iron	% Phosphorus	IS 12308 (Part-5)
45	CHEMICAL- METALS & ALLOYS	Cast Iron	% Silicon	IS 12308 (Part-6)
46	CHEMICAL- METALS & ALLOYS	Cast Iron	% Sulphur	IS 12308 (Part-2)
47	CHEMICAL- METALS & ALLOYS	Cast Iron	Arsenic	JIS G1253
48	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	ASTM E1999
49	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	IS 12308 (Part-11)
50	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	IS 15338
51	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	JIS G1253
52	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium	ASTM E1999
53	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium	IS 15338
54	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium	JIS G1253
55	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper	ASTM E1999
56	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper	IS 15338
57	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper	JIS G1253
58	CHEMICAL- METALS & ALLOYS	Cast Iron	Magnesium	JIS G1253
59	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	ASTM E1999



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4 of 21

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60	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	IS 15338
61	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	JIS G1253
62	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdenum	ASTM E1999
63	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdenum	IS 15338
64	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdenum	JIS G1253
65	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel	ASTM E1999
66	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel	IS 15338
67	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel	JIS G1253
68	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus	ASTM E1999
69	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus	IS 15338
70	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus	JIS G1253
71	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	ASTM E1999
72	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	IS 15338
73	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	JIS G1253
74	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur	IS 15338
75	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur	JIS G1253
76	CHEMICAL- METALS & ALLOYS	Cast Iron	Tin	JIS G1253
77	CHEMICAL- METALS & ALLOYS	Cast Iron	Titanium	ASTM E1999
78	CHEMICAL- METALS & ALLOYS	Cast Iron	Titanium	JIS G1253
79	CHEMICAL- METALS & ALLOYS	Cast Iron	Vanadium	ASTM E1999



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ISO/IEC 17025:2017

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TC-12338

Page No

5 of 21

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80	CHEMICAL- METALS & ALLOYS	Cast Iron	Vanadium	IS 15338
81	CHEMICAL- METALS & ALLOYS	Cast Iron	Vanadium	JIS G1253
82	CHEMICAL- METALS & ALLOYS	Copper and Copper Alloys	Arsenic	BS EN 15079
83	CHEMICAL- METALS & ALLOYS	Copper and Copper Alloys	Bismuth	BS EN 15079
84	CHEMICAL- METALS & ALLOYS	Copper and Copper Alloys	Chromium	BS EN 15079
85	CHEMICAL- METALS & ALLOYS	Copper and Copper Alloys	Cobalt	BS EN 15079
86	CHEMICAL- METALS & ALLOYS	Copper and Copper Alloys	Copper	IS 440
87	CHEMICAL- METALS & ALLOYS	Copper And Copper Alloys	Aluminium	BS EN 15079
88	CHEMICAL- METALS & ALLOYS	Copper and Copper Alloys	Iron	BS EN 15079
89	CHEMICAL- METALS & ALLOYS	Copper and Copper Alloys	Lead	BS EN 15079
90	CHEMICAL- METALS & ALLOYS	Copper and copper alloys	Lead	IS 4027 PART-1
91	CHEMICAL- METALS & ALLOYS	Copper and Copper Alloys	Manganese	BS EN 15079
92	CHEMICAL- METALS & ALLOYS	Copper and Copper Alloys	Nickel	BS EN 15079
93	CHEMICAL- METALS & ALLOYS	Copper and Copper Alloys	Phosphorus	BS EN 15079
94	CHEMICAL- METALS & ALLOYS	Copper and Copper Alloys	Silicon	BS EN 15079
95	CHEMICAL- METALS & ALLOYS	Copper and Copper Alloys	Silver	BS EN 15079
96	CHEMICAL- METALS & ALLOYS	Copper and Copper Alloys	Tin	BS EN 15079
97	CHEMICAL- METALS & ALLOYS	Copper and Copper Alloys	Zinc	BS EN 15079
98	CHEMICAL- METALS & ALLOYS	Ferrous metals & Alloys	Copper	IS 228 (Part-15)
99	CHEMICAL- METALS & ALLOYS	Ferrous Metals & Alloys	Manganese	IS 228 (Part-2)



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Page No 6 of 21

Validity 29/09/2025 to 28/09/2029

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100	CHEMICAL- METALS & ALLOYS	Ferrous Metals and Alloys	Chromium	ASTM E350
101	CHEMICAL- METALS & ALLOYS	Ferrous Metals and Alloys	Chromium	IS 228 (Part-6)
102	CHEMICAL- METALS & ALLOYS	Ferrous Metals and Alloys	Nickel	IS 228 (Part-5)
103	CHEMICAL- METALS & ALLOYS	Ferrous Metals and Alloys	Carbon	IS 228 (Part-1)
104	CHEMICAL- METALS & ALLOYS	Ferrous Metals and Alloys	Manganese	ASTM E350
105	CHEMICAL- METALS & ALLOYS	Ferrous Metals and Alloys	molybdenum	IS 228 (Part-7)
106	CHEMICAL- METALS & ALLOYS	Ferrous Metals and Alloys	Nickel	ASTM E350
107	CHEMICAL- METALS & ALLOYS	Ferrous Metals and Alloys	Phosphorus	IS 228 (Part-3)
108	CHEMICAL- METALS & ALLOYS	Ferrous metals and alloys	Silicon	IS 228 (Part-8)
109	CHEMICAL- METALS & ALLOYS	Ferrous Metals and Alloys	Sulphur	IS 228 (Part-9)
110	CHEMICAL- METALS & ALLOYS	Iron and Steel	Carbon	JIS G1253
111	CHEMICAL- METALS & ALLOYS	Iron and Steel	Chromium	JIS G1253
112	CHEMICAL- METALS & ALLOYS	Iron and Steel	Cobalt	JIS G1253
113	CHEMICAL- METALS & ALLOYS	Iron and Steel	Manganese	JIS G1253
114	CHEMICAL- METALS & ALLOYS	Iron and Steel	Molybdenum	JIS G1253
115	CHEMICAL- METALS & ALLOYS	Iron and Steel	Nickel	JIS G1253
116	CHEMICAL- METALS & ALLOYS	Iron and Steel	Phosphorus	JIS G1253
117	CHEMICAL- METALS & ALLOYS	Iron and Steel	Silicon	JIS G1253
118	CHEMICAL- METALS & ALLOYS	Iron and Steel	Sulphur	JIS G1253
119	CHEMICAL- METALS & ALLOYS	Iron and Steel	Tin	JIS G1253



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ISO/IEC 17025:2017

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TC-12338

Page No

7 of 21

Validity

29/09/2025 to 28/09/2029

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120	CHEMICAL- METALS & ALLOYS	Iron and Steel	Tungsten	JIS G1253
121	CHEMICAL- METALS & ALLOYS	Iron and Steel	Vanadium	JIS G1253
122	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Boron	ASTM E415
123	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Boron	JIS G1253
124	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Carbon	ASTM E415
125	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Carbon	IS 8811
126	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Carbon	JIS G1253
127	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Chromium	JIS G1253
128	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Chromium	ASTM E415
129	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Chromium	IS 8811
130	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Cobalt	ASTM E415
131	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Cobalt	JIS G1253
132	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Copper	ASTM E415
133	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Copper	IS 8811
134	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Copper	JIS G1253
135	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Lead	JIS G1253
136	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Manganese	ASTM E415
137	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Manganese	IS 8811
138	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Manganese	JIS G1253
139	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Molybdenum	ASTM E415



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Page No 8 of 21

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140	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Molybdenum	IS 8811
141	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Molybdenum	JIS G1253
142	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Nickel	ASTM E415
143	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Nickel	IS 8811
144	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Nickel	JIS G1253
145	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Niobium	ASTM E415
146	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Niobium	JIS G1253
147	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Nitrogen	JIS G1253
148	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Phosphorus	ASTM E415
149	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Phosphorus	JIS G1253
150	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Silicon	ASTM E415
151	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Silicon	IS 8811
152	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Silicon	JIS G1253
153	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Sulphur	JIS G1253
154	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Sulphur	ASTM E415
155	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Titanium	ASTM E415
156	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Titanium	IS 8811
157	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Vanadium	ASTM E415
158	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Vanadium	IS 8811
159	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Vanadium	JIS G1253



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ISO/IEC 17025:2017

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TC-12338

Page No

9 of 21

Validity

29/09/2025 to 28/09/2029

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160	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Aluminium	ASTM E415
161	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Aluminium	JIS G1253
162	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Arsenic	ASTM E415
163	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Arsenic	JIS G1253
164	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Phosphorus	IS 8811
165	CHEMICAL- METALS & ALLOYS	Stainless steel and Alloys	% Manganese	ASTM E353
166	CHEMICAL- METALS & ALLOYS	Stainless steel and Alloys	% Molybdenum	IS 228 (Part-7)
167	CHEMICAL- METALS & ALLOYS	Stainless steel and Alloys	% Nickel	ASTM E353
168	CHEMICAL- METALS & ALLOYS	Stainless steel and Alloys	% Phosphorus	ASTM E353
169	CHEMICAL- METALS & ALLOYS	Stainless steel and Alloys	% Silicon	ASTM E353
170	CHEMICAL- METALS & ALLOYS	Stainless steel and Alloys	% Sulphur	IS 228 (Part-9)
171	CHEMICAL- METALS & ALLOYS	Stainless steel and Alloys	Carbon	IS 228 (Part-1)
172	CHEMICAL- METALS & ALLOYS	Stainless steel and Alloys	Chromium	ASTM E353
173	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum and Alloys	Bend Test (Face , Root and Side)	AWS D1.2/D1.2M
174	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum and Alloys	Ultimate Tensile Strength	AWS D1.2/D1.2M
175	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Bar in all shapes, plates, casting, forgings, pipes and other machined components	Charpy Impact Test (V-notch & U-notch) at 35 °C to -60 °C	ISO 148 (Part 1)
176	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Components	Brinell Hardness Test (HBW 10/500)	ISO 6506-1
177	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous and Non-ferrous Welded sample	Fracture Test	IS 3600 (Part 8)



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10 of 21

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178	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-ferrous Welded samples	Fracture Test	AWS D1.1 - QW6.23.4
179	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-ferrous Welded samples	Fracture Test	ISO 9017
180	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Charpy Impact Test (V-notch & U-notch) at 35 °C to -60 °C	ASTM E23
181	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Charpy Impact Test (V-notch & U-notch) at 35 °C to -60 °C	IS 1757 (Part 1)
182	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Charpy Impact Test (V-notch & U-notch) at 35 °C to -60 °C	ISO 148-1
183	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Charpy Impact Test (V-notch & U-notch) at 35 °C to -60 °C	ASTM A370
184	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Jominy Hardenability End Quench Test (HRC)	ASTM A255
185	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Jominy Hardenability End Quench Test (HRC)	IS 3848
186	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous & Non Ferrous)	0.2% Proof Stress	IS 1608 (Part 1)
187	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous & Non Ferrous)	0.2% Proof Stress	ASTM E8/E8M
188	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous & Non Ferrous)	0.2% Proof Stress	ISO 6892 (Part 1)
189	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness test on arc welded joints	ISO 9015-1
190	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Welds)	Fracture Test on welds.	ISO 9017
191	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous and Non-Ferrous)	Tensile Strength	ASTM E8/E8M



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

ELEMECH LABS PRIVATE LIMITED, PLOT NO 7/2/I/D-13,CAPITAL CITY,
PHASE IV MIDC, NIGHOJE, TEHSIL : KHED, CHAKAN, PUNE,
MAHARASHTRA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-12338

Page No

11 of 21

Validity

29/09/2025 to 28/09/2029

Last Amended on

13/10/2025

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
192	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous and Non-Ferrous)	Tensile Strength	IS 1608 (Part 1)
193	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous and Non-Ferrous)	Tensile Strength	ISO 6892 (Part 1)
194	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous and Non-Ferrous)	Yield Strength	ASTM E8/E8M
195	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous and Non-Ferrous)	Yield Strength	IS 1608 (Part 1)
196	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous and Non-Ferrous)	Yield Strength	ISO 6892 (Part 1)
197	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals and Alloys	Young's Modulus	ASTM E 111
198	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Nuts	Proof Load Test	IS 1367 (Part 6)
199	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Nuts	Proof Load Test	ISO 898-2
200	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Paints and Varnishes	Cupping Test	ISO 1520
201	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pipes & Tubes	Drift Expanding Test	ISO 8493
202	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pipes & Tubes (Seamless & Welded)	Flattening Test	BS EN ISO 8492
203	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pipes & Tubes (Seamless & Welded)	Flattening Test	IS 2328
204	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pipes & Tubes (Seamless & Welded)	Flattening Test	ISO 8492
205	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pipes & Tubes (Seamless & Welded)	Reverse Flattening Test	ASTM A370



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

ELEMECH LABS PRIVATE LIMITED, PLOT NO 7/2/I/D-13,CAPITAL CITY,
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MAHARASHTRA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-12338

Page No

12 of 21

Validity

29/09/2025 to 28/09/2029

Last Amended on

13/10/2025

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
206	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pipes & Tubes (Welded & Seamless)	Crushing Test	IS 3074
207	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pipes & Tubes (Welded & Seamless)	Crushing Test	IS 3601
208	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pipes & Tubes (Ferrous & Non-ferrous)	Drift Expanding Test	IS 2335
209	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Pipes, Sheets, Tubes, and Welded Assemblies	Pull Out Test	ASME Section-VIII, (Appendix A, Table A2)
210	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, sheets, pipes & tubes in welded condition	Tensile Strength	ASME Section IX
211	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round Bar, Plates, Sheets, Pipes & Tubes	Bend Test	ISO 7438
212	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round Bar, Plates, Sheets, Pipes & Tubes	Bend Test	ASME Section IX - QW161
213	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round bar, Plates, Sheets, Pipes & Tubes	Bend Test	ASTM A370
214	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round Bar, Plates, Sheets, Pipes & Tubes	Bend Test	ASTM E190
215	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round bar, Plates, Sheets, Pipes & Tubes	Bend Test	ASTM E290
216	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round bar, Plates, Sheets, Pipes & Tubes	Bend Test	EN ISO 5173
217	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round bar, Plates, Sheets, Pipes & Tubes	Bend Test	IS 1599
218	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round, Square, Rectangular or Polygonal Cross-section (TMT Bar)	Bend Test	IS 1599
219	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, and Other Machined Components	Brinell Hardness Test (HBW 10/3000)	ASTM E10



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

ELEMECH LABS PRIVATE LIMITED, PLOT NO 7/2/I/D-13,CAPITAL CITY,
PHASE IV MIDC, NIGHOJE, TEHSIL : KHED, CHAKAN, PUNE,
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Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-12338

Page No

13 of 21

Validity

29/09/2025 to 28/09/2029

Last Amended on

13/10/2025

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
220	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, and Other Machined Components	Brinell Hardness Test (HBW 10/500)	ASTM E10
221	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, and Other Machined Components	Brinell Hardness Test (HBW 10/500)	IS 1500 (Part 1)
222	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, and Other Machined Components	Brinell Hardness Test (HBW 2.5/187.5)	ASTM E10
223	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, and Other Machined Components	Brinell Hardness Test (HBW 2.5/62.5)	ASTM E10
224	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, and Other Machined Components	Brinell Hardness Test (HBW 2.5/62.5)	ISO 6506-1
225	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, and Other Machined Components	Brinell Hardness Test (HBW 5.0/250)	ISO 6506-1
226	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, and Other Machined Components	Brinell Hardness Test (HBW 5.0/750)	ASTM E10
227	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, and Other Machined Components	Brinell Hardness Test (HBW 10/3000)	ISO 6506-1
228	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, and Other Machined Components	Brinell Hardness Test (HBW 2.5/187.5)	ISO 6506-1
229	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, and Other Machined Components	Brinell Hardness Test (HBW 2.5/62.5)	IS 1500 (Part 1)
230	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, and Other Machined Components	Brinell Hardness Test (HBW 5.0/250)	ASTM E10
231	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, and Other Machined Components	Brinell Hardness Test (HBW 5.0/250)	IS 1500 (Part 1)
232	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, and Other Machined Components	Brinell Hardness Test (HBW 5.0/750)	IS 1500 (Part 1)
233	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, and Other Machined Components	Brinell Hardness Test (HBW 5.0/750)	ISO 6506-1



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

ELEMECH LABS PRIVATE LIMITED, PLOT NO 7/2/I/D-13,CAPITAL CITY,
PHASE IV MIDC, NIGHOJE, TEHSIL : KHED, CHAKAN, PUNE,
MAHARASHTRA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-12338

Page No

14 of 21

Validity

29/09/2025 to 28/09/2029

Last Amended on

13/10/2025

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
234	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, and Other Machined Components	Brinell Hardness Test (HBW 2.5/187.5)	IS 1500 (Part 1)
235	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	% Elongation	ASME Section IX - QW150
236	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	% Elongation	ASTM E8/E8M
237	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	% Elongation	IS 1608 (Part 1)
238	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	% Elongation	ISO 6892 (Part 1)
239	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	% Reduction in Area	ASME Section IX - QW150
240	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	% Reduction in Area	ASTM E8/E8M
241	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	% Reduction in Area	IS 1608 (Part 1)
242	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	% Reduction in Area	ISO 6892 (Part 1)
243	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Micro Vickers Hardness Test (HV0.1)	ASTM E384
244	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Micro Vickers Hardness Test (HV0.5)	ASTM E384
245	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Micro Vickers Hardness Test (HV0.5)	ISO 6507-1
246	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Micro Vickers Hardness Test (HV1.0)	ASTM E384
247	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Micro Vickers Hardness Test (HV1.0)	IS 1501 (Part 1)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

ELEMECH LABS PRIVATE LIMITED, PLOT NO 7/2/I/D-13,CAPITAL CITY,
PHASE IV MIDC, NIGHOJE, TEHSIL : KHED, CHAKAN, PUNE,
MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-12338

Page No 15 of 21

Validity 29/09/2025 to 28/09/2029

Last Amended on 13/10/2025

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
248	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Micro Vickers Hardness Test (HV1.0)	ISO 6507-1
249	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Rockwell Hardness Test (HR15N)	ASTM E18
250	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Rockwell Hardness Test (HR15N)	ISO 6508-1
251	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Rockwell Hardness Test (HR15TW)	ASTM E18
252	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Rockwell Hardness Test (HR15TW)	IS 1586
253	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Rockwell Hardness Test (HR15TW)	ISO 6508-1
254	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Rockwell Hardness Test (HR30N)	ASTM E18
255	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Rockwell Hardness Test (HR30N)	IS 1586
256	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Rockwell Hardness Test (HR30N)	ISO 6508-1
257	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Rockwell Hardness Test (HR30TW)	ASTM E18
258	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Rockwell Hardness Test (HR30TW)	IS 1586
259	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Rockwell Hardness Test (HR30TW)	ISO 6508-1
260	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Rockwell Hardness Test (HR45N)	ASTM E18
261	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Rockwell Hardness Test (HR45N)	IS 1586



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

ELEMECH LABS PRIVATE LIMITED, PLOT NO 7/2/I/D-13,CAPITAL CITY,
PHASE IV MIDC, NIGHOJE, TEHSIL : KHED, CHAKAN, PUNE,
MAHARASHTRA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-12338

Page No

16 of 21

Validity

29/09/2025 to 28/09/2029

Last Amended on

13/10/2025

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
262	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Rockwell Hardness Test (HR45N)	ISO 6508-1
263	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Rockwell Hardness Test (HR45TW)	ASTM E18
264	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Rockwell Hardness Test (HR45TW)	IS 1586
265	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Rockwell Hardness Test (HR45TW)	ISO 6508-1
266	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Rockwell Hardness Test (HRA)	ASTM E18
267	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Rockwell Hardness Test (HRA)	IS 1586
268	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Rockwell Hardness Test (HRA)	ISO 6508-1
269	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Rockwell Hardness Test (HRBW)	ASTM E18
270	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Rockwell Hardness Test (HRBW)	IS 1586
271	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Rockwell Hardness Test (HRBW)	ISO 6508-1
272	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Rockwell Hardness Test (HRC)	ASTM E18
273	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Rockwell Hardness Test (HRC)	IS 1586
274	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Rockwell Hardness Test (HRC)	ISO 6508-1
275	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Vickers Hardness Test (HV10)	ASTM E92



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

ELEMECH LABS PRIVATE LIMITED, PLOT NO 7/2/I/D-13,CAPITAL CITY,
PHASE IV MIDC, NIGHOJE, TEHSIL : KHED, CHAKAN, PUNE,
MAHARASHTRA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-12338

Page No

17 of 21

Validity

29/09/2025 to 28/09/2029

Last Amended on

13/10/2025

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
276	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Vickers Hardness Test (HV10)	IS 1501 (Part 1)
277	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Vickers Hardness Test (HV10)	ISO 6507-1
278	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Vickers Hardness Test (HV30)	ASTM E92
279	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Vickers Hardness Test (HV30)	IS 1501 (Part 1)
280	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Vickers Hardness Test (HV30)	ISO 6507 (Part 1)
281	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Vickers Hardness Test (HV50)	ASTM E92
282	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Vickers Hardness Test (HV50)	IS 1501 (Part 1)
283	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Vickers Hardness Test (HV50)	ISO 6507 (Part 1)
284	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Weight (Mass) of Coating on Iron and Steel Articles with Zinc or Zinc-Alloy Coatings	ASTM A90
285	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Brinell Hardness Test (HBW 10/3000)	IS 1500 (Part 1)
286	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Micro Vickers Hardness Test (HV 0.1)	ISO 6507-1
287	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Micro Vickers Hardness Test (HV0.1)	IS 1501 (Part 1)
288	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Micro Vickers Hardness Test (HV0.5)	IS 1501 (Part 1)
289	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Rockwell Hardness Test (HR15N)	IS 1586



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

ELEMECH LABS PRIVATE LIMITED, PLOT NO 7/2/I/D-13,CAPITAL CITY,
PHASE IV MIDC, NIGHOJE, TEHSIL : KHED, CHAKAN, PUNE,
MAHARASHTRA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-12338

Page No

18 of 21

Validity

29/09/2025 to 28/09/2029

Last Amended on

13/10/2025

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
290	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Square Bar, Plates	Nick Break Test	IS 3600 (Part 8)
291	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Sheet and Strips	Erichsen Cupping Test	ISO 20482
292	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Sheets & Strips	Erichsen Cupping Test	IS 10175 (Part 1)
293	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Springs	Deviation of Form	ISO 22705-1
294	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Springs	Spring Test (Deviation of Form)	IS 7906 (Part 7) Clause 3.4
295	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Stainless Steel	Bend Test (Face, Root and Side)	AWS D1.6/D1.6M
296	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Stainless Steel (Welded)	Ultimate Tensile Strength	AWS D1.6/D1.6M
297	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Stainless steel welding products	Fracture Test	AWS D1.6 (Clause 4.10.5)
298	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel (Welded products)	Bend Test (Face / Root/ Side)	AWS D1.1/D1.1M
299	MECHANICAL-MECHANICAL PROPERTIES OF METALS	TMT Bar	% Elongation	IS 1608 (Part 1)
300	MECHANICAL-MECHANICAL PROPERTIES OF METALS	TMT Bar	0.2% Proof Stress	IS 1608 (Part 1)
301	MECHANICAL-MECHANICAL PROPERTIES OF METALS	TMT Bar	Mass per Meter	IS 1786
302	MECHANICAL-MECHANICAL PROPERTIES OF METALS	TMT Bar	Tensile Strength	IS 1608 (Part 1)
303	MECHANICAL-MECHANICAL PROPERTIES OF METALS	TMT Bar	Yield Strength	IS 1608 (Part 1)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

ELEMECH LABS PRIVATE LIMITED, PLOT NO 7/2/I/D-13,CAPITAL CITY,
PHASE IV MIDC, NIGHOJE, TEHSIL : KHED, CHAKAN, PUNE,
MAHARASHTRA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-12338

Page No

19 of 21

Validity

29/09/2025 to 28/09/2029

Last Amended on

13/10/2025

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
304	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld Materials	Ultimate Tensile Strength	ISO 4136
305	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld products	Ultimate Tensile Strength	AWS D1.1/D1.1M
306	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded products	Hardness (HV 10) on HAZ, WELD and Parent Metals	ISO 15614-1
307	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded products	Impact Test- Charpy V Notch	ISO 15614-1
308	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded products	Ultimate Tensile Strength	AWS B 4.0
309	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded products (Spot, seam and projection welding)	Micro-Vickers Hardness test at HV 0.5 kgf	ISO 15614-12
310	MECHANICAL-MECHANICAL PROPERTIES OF METALS	welding of pipelines and related facilities.	Fracture Test (Nick Break)	API 1104
311	MECHANICAL-METALLOGRAPHY TEST	Austenitic and Ferritic-Austenitic (Duplex) Stainless Steels	Determination of Resistance to Intergranular Corrosion (Huey Test)	IS 10461 (Part 1)
312	MECHANICAL-METALLOGRAPHY TEST	Austenitic and Ferritic-Austenitic (Duplex) Stainless Steels	Determination of Resistance to Intergranular Corrosion of Stainless Steels (Huey test)	ISO 3651 (Part 1)
313	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	Susceptibility to Intergranular Attack (Parctice A)	ASTM A262
314	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	Susceptibility to Intergranular Attack (Practice B)	ASTM A262
315	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	Susceptibility to Intergranular Attack (Practice C)	ASTM A262
316	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	Susceptibility to Intergranular Attack (Practice E)	ASTM A262
317	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	Susceptibility to Intergranular Attack (Practice F)	ASTM A262
318	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steels	Determination of Resistance to Intergranular Corrosion (Monypenny Strauss Test)	IS 10461 (Part 2)
319	MECHANICAL-METALLOGRAPHY TEST	Bars, Billets, Blooms, Sheets, Plates and Forgings	Macroetch Test (Grains Flow)	IS 11371



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

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PHASE IV MIDC, NIGHOJE, TEHSIL : KHED, CHAKAN, PUNE,
MAHARASHTRA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

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Page No

20 of 21

Validity

29/09/2025 to 28/09/2029

Last Amended on

13/10/2025

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320	MECHANICAL-METALLOGRAPHY TEST	Cast Iron	Microstructure of Graphite in Cast Iron	ASTM A247
321	MECHANICAL-METALLOGRAPHY TEST	Cast Iron	Microstructure of Graphite in Cast Iron	IS 7754
322	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials, Alloys & Products	Non-Metallic Inclusion Content	ASTM E45
323	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials, Alloys & Products	Non-Metallic Inclusion Content	IS 4163
324	MECHANICAL-METALLOGRAPHY TEST	Ferrous metals and alloys	Determination of content of non-metallic inclusions — Micrographic method using standard diagrams	ISO 4967
325	MECHANICAL-METALLOGRAPHY TEST	Ferrous metals & Alloys	Apparent Grain Size	ISO 643
326	MECHANICAL-METALLOGRAPHY TEST	Fusion-welded joints in steel	Macro Examination with Quality levels for imperfections and weld measurements	ISO 5817
327	MECHANICAL-METALLOGRAPHY TEST	Rolled Bars, Casting, Forgings, Welding Components	Macro Etch Analysis Test	ASTM E340
328	MECHANICAL-METALLOGRAPHY TEST	Round/ Hex/ Square Bar, Plate & Sheets, Bolts, Tubes and Other Machined Components	Total Case Depth (Microscopic method)	IS 6416
329	MECHANICAL-METALLOGRAPHY TEST	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Components	Thickness of Electroplated Coating	IS 3203
330	MECHANICAL-METALLOGRAPHY TEST	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Apparent Grain Size by Comparison Method	IS 4748
331	MECHANICAL-METALLOGRAPHY TEST	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Depth of Decarburization	ASTM E1077
332	MECHANICAL-METALLOGRAPHY TEST	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Depth of Decarburized Layer	IS 6396
333	MECHANICAL-METALLOGRAPHY TEST	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Macro Etch Analysis Test	AWS D1.1
334	MECHANICAL-METALLOGRAPHY TEST	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Macro Etch Analysis Test	ASTM E340
335	MECHANICAL-METALLOGRAPHY TEST	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Macro Examination	ASME Section-IX
336	MECHANICAL-METALLOGRAPHY TEST	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Macro Examination	IS 11371
337	MECHANICAL-METALLOGRAPHY TEST	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Microstructural Analysis	ASM Handbook Volume 9
338	MECHANICAL-METALLOGRAPHY TEST	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Thickness of Electroplated Coating	ASTM B487



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Page No

21 of 21

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339	MECHANICAL-METALLOGRAPHY TEST	Round/ Hex/ Square Bar, Plate & Sheets, Pipes, Tubes, Wires and Other Machined Components	Macro Etch Analysis Test	ASTM E381
340	MECHANICAL-METALLOGRAPHY TEST	Round/ Hex/ Square Bar, Plate & Sheets, Tubes, Bolts and Other Machined Components	Effective Case Depth (by Micro-Vickers Hardness Traverse Method)	IS 6416
341	MECHANICAL-METALLOGRAPHY TEST	Welded products.	Macro Etch Analysis Test	AWS D1.2
342	MECHANICAL-METALLOGRAPHY TEST	Welded samples (Stainless Steels)	Macro Etch Analysis Test	AWS D1.6
343	MECHANICAL-METALLOGRAPHY TEST	Wrought, Nickel-Rich, Chromium-Bearing Alloys	Detecting Susceptibility to Intergranular Corrosion (Method A: Ferric Sulfate-Sulfuric Acid Test)	ASTM G28
344	MECHANICAL-METALLOGRAPHY TEST	Wrought, Nickel-Rich, Chromium-Bearing Alloys	Detecting Susceptibility to Intergranular Corrosion (Method B: Mixed Acid-Oxidizing Salt Test)	ASTM G28