



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :**

RELITEST SERVICES LLP, 59, BINDAL INDUSTRIAL ESTATE, K-A ROAD, SAKINAKA, MUMBAI, MAHARASHTRA, INDIA

**Accreditation Standard**

ISO/IEC 17025:2017

**Certificate Number**

TC-5851

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**Validity**

17/04/2024 to 18/11/2025

**Last Amended on**

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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
Permanent Testing				
1	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Metallic Coated Ferrous materials	Mass of Zinc Coating	ASTM A90
2	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Metallic Coated Ferrous materials	Mass of Zinc Coating	IS 6745
3	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Metallic Coated Ferrous materials	Uniformity of Zinc Coating/ Preece Test	ASTM A239
4	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Metallic Coated Ferrous materials	Uniformity of Zinc Coating/ Preece Test	IS 2633
5	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Metallic Coated Materials	Adhesion test	ASTM B571
6	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Metallic Coated Materials	Adhesion test	IS 2629
7	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	%Chromium	ASTM E1251
8	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	%Copper	ASTM E1251
9	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	%Iron	ASTM E1251
10	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	%Lead	ASTM E1251
11	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	%Magnesium	ASTM E1251
12	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	%Manganese	ASTM E1251
13	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	%Nickel	ASTM E1251
14	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	%Silicon	ASTM E1251
15	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	%Tin	ASTM E1251
16	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	%Titanium	ASTM E1251



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17	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	%Zinc	ASTM E1251
18	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon steel)	%Aluminum	ASTM E415
19	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon steel)	%Boron	ASTM E415
20	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon steel)	%Carbon	ASTM E415
21	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon steel)	%Chromium	ASTM E415
22	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon steel)	%Copper	ASTM E415
23	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon steel)	%Lead	ASTM E415
24	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon steel)	%Manganese	ASTM E415
25	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon steel)	%Molybdenum	ASTM E415
26	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon steel)	%Nickel	ASTM E415
27	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon steel)	%Niobium	ASTM E415
28	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon steel)	%Nitrogen	ASTM E415
29	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon steel)	%Phosphorus	ASTM E415
30	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon steel)	%Silicon	ASTM E415
31	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon steel)	%Sulphur	ASTM E415
32	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon steel)	%Tungsten	ASTM E415
33	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon steel)	%Vanadium	ASTM E415
34	CHEMICAL- METALS & ALLOYS	Copper & its alloys	%Aluminum	BS EN 15079
35	CHEMICAL- METALS & ALLOYS	Copper & its alloys	%Antimony	BS EN 15079



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36	CHEMICAL- METALS & ALLOYS	Copper & its alloys	%Arsenic	BS EN 15079
37	CHEMICAL- METALS & ALLOYS	Copper & its alloys	%Bismuth	BS EN 15079
38	CHEMICAL- METALS & ALLOYS	Copper & its alloys	%Chromium	BS EN 15079
39	CHEMICAL- METALS & ALLOYS	Copper & its alloys	%Copper	IS 3685
40	CHEMICAL- METALS & ALLOYS	Copper & its alloys	%Copper	IS 440
41	CHEMICAL- METALS & ALLOYS	Copper & its alloys	%Iron	BS EN 15079
42	CHEMICAL- METALS & ALLOYS	Copper & its alloys	%Lead	BS EN 15079
43	CHEMICAL- METALS & ALLOYS	Copper & its alloys	%Manganese	BS EN 15079
44	CHEMICAL- METALS & ALLOYS	Copper & its alloys	%Nickel	BS EN 15079
45	CHEMICAL- METALS & ALLOYS	Copper & its alloys	%Phosphorus	BS EN 15079
46	CHEMICAL- METALS & ALLOYS	Copper & its alloys	%Silicon	BS EN 15079
47	CHEMICAL- METALS & ALLOYS	Copper & its alloys	%Sulphur	BS EN 15079
48	CHEMICAL- METALS & ALLOYS	Copper & its alloys	%Tin	BS EN 15079
49	CHEMICAL- METALS & ALLOYS	Copper & its alloys	%Zinc	BS EN 15079
50	CHEMICAL- METALS & ALLOYS	Positive Material Identification	X-Ray Fluorescence (Iron, Titanium, Chromium, Nickel, Molybdenum, Manganese, Copper, Niobium, Cobalt, Vanadium, Tungsten)	API Practice 578
51	CHEMICAL- METALS & ALLOYS	Stainless steel	%Aluminum	ASTM E1086
52	CHEMICAL- METALS & ALLOYS	Stainless steel	%Carbon	ASTM E1086
53	CHEMICAL- METALS & ALLOYS	Stainless steel	%Chromium	ASTM E1086





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54	CHEMICAL- METALS & ALLOYS	Stainless steel	%Copper	ASTM E1086
55	CHEMICAL- METALS & ALLOYS	Stainless steel	%Manganese	ASTM E1086
56	CHEMICAL- METALS & ALLOYS	Stainless steel	%Molybdenum	ASTM E1086
57	CHEMICAL- METALS & ALLOYS	Stainless steel	%Nickel	ASTM E1086
58	CHEMICAL- METALS & ALLOYS	Stainless steel	%Niobium	ASTM E1086
59	CHEMICAL- METALS & ALLOYS	Stainless steel	%Nitrogen	IS 228 Part 23
60	CHEMICAL- METALS & ALLOYS	Stainless steel	%Phosphorus	ASTM E1086
61	CHEMICAL- METALS & ALLOYS	Stainless steel	%Silicon	ASTM E1086
62	CHEMICAL- METALS & ALLOYS	Stainless steel	%Sulphur	ASTM E1086
63	CHEMICAL- METALS & ALLOYS	Stainless steel	%Titanium	ASTM E1086
64	CHEMICAL- METALS & ALLOYS	Stainless steel	%Tungsten	ASTM E1086
65	CHEMICAL- METALS & ALLOYS	Stainless steel	%Vanadium	ASTM E1086
66	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Duplex (Austenitic-Ferritic) Stainless Steel	Charpy Impact Test For Classification Of Structures Of Duplex Stainless Steels	ASTM A923 Method B
67	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Fastners: Nuts & Lock Nuts	Proof Load	ASTM A962
68	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Fastners: Nuts & Lock Nuts	Proof Load	IS 15568
69	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	0.2% Proof Stress	ASTM A370
70	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	0.2% Proof Stress	BS EN ISO 6892-1



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71	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	0.2% Proof Stress	IS 1608 (Pt1)
72	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	0.5% Extension Under Load	ASTM A370
73	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	0.5% Extension Under Load	BS EN ISO 6892-1
74	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	0.5% Extension Under Load	IS 1608 (Pt1): 2022
75	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	1% Proof Stress	ASTM A370
76	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	1% Proof Stress	BS EN ISO 6892-1
77	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	1% Proof Stress	IS 1608 (Pt1)
78	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Elevated Temperature Tensile Test (Up to 1000 °C) - 0.2% Proof Stress	ASTM E21: 2020
79	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Elevated Temperature Tensile Test (Up to 1000 °C) - 0.2% Proof Stress	BS EN ISO 6892-2
80	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Elevated Temperature Tensile Test (Up to 1000 °C) - 0.2% Proof Stress	IS 1608-2
81	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Elevated Temperature Tensile Test (Up to 1000 °C) - 0.5% Extension Under Load	ASTM E21
82	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Elevated Temperature Tensile Test (Up to 1000 °C) - 0.5% Extension Under Load	BS EN ISO 6892-2
83	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Elevated Temperature Tensile Test (Up to 1000 °C) - 0.5% Extension Under Load	IS 1608-2: 2020
84	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Elevated Temperature Tensile Test (Up to 1000 °C) - 1.0% Proof Stress	ASTM E21



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85	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Elevated Temperature Tensile Test (Up to 1000 °C) - 1.0% Proof Stress	BS EN ISO 6892-2
86	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Elevated Temperature Tensile Test (Up to 1000 °C) - 1.0% Proof Stress	BS EN ISO 6892-2
87	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Elevated Temperature Tensile Test (Up to 1000 °C) - 1.0% Proof Stress	IS 1608-2
88	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Elevated Temperature Tensile Test (Up to 1000 °C) - Tensile Strength	IS 1608-2
89	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Elevated Temperature Tensile Test (Up to 1000 °C) - Yield Strength	ASTM E21
90	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Elevated Temperature Tensile Test (Up to 1000 °C) - Yield Strength	BS EN ISO 6892-2
91	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Elevated Temperature Tensile Test (Up to 1000 °C) - Yield Strength	IS 1608-2
92	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Yield Strength	ASTM A370: 2022
93	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Yield Strength	BS EN ISO 6892-1
94	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Yield Strength	IS 1608 (Pt1)
95	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	%Area Reduction	ASTM A370
96	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	%Area Reduction	BS EN ISO 6892-1
97	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	%Area Reduction	IS 1608 (Pt1)
98	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	%Elongation	ASTM A370





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99	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	%Elongation	BS EN ISO 6892-1
100	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	%Elongation	IS 1608 (Pt1)
101	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Bend Test	ASTM A370
102	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Bend Test	ASTM E290
103	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Bend Test	Indian Boiler Regulations
104	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Bend Test	IS 1599
105	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Brinell Hardness Test	ASTM A370
106	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Brinell Hardness Test	ASTM E10
107	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Brinell Hardness Test	BS EN ISO 6506-1
108	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Brinell Hardness Test	IS 1500 (Pt1)
109	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Charpy Impact "V" Notch Test at Temp. Range: (-196) °C to +25 °C	Indian Boiler Regulations
110	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Charpy Impact "V" Notch Test at Temp. Range: (-196) °C to +25 °C	ISO 148-1
111	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Elevated Temperature Tensile Test (Up to 1000 °C) - Tensile Strength	ASTM E21
112	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Elevated Temperature Tensile Test (Up to 1000 °C) - Tensile Strength	BS EN ISO 6892-2



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113	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Flaring Test/Drift Expansion Test	ASTM A1016
114	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Flaring Test/Drift Expansion Test	ASTM A370
115	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Flaring Test/Drift Expansion Test	IS 2335
116	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Flattening Test	ASTM A370
117	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Flattening Test	ASTM A530
118	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Flattening Test	ASTM A999
119	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Flattening Test	Indian Boiler Regulations
120	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Flattening Test	IS 2328
121	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Reverse Bend Test	IS 1716
122	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell (HRA) Hardness Test	ASTM A370
123	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell (HRA) Hardness Test	ASTM E18
124	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell (HRA) Hardness Test	IS 1586 (Pt1)
125	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell (HRB) Hardness Test	ASTM A370
126	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell (HRB) Hardness Test	ASTM E18





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127	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell (HRB) Hardness Test	IS 1586 (Pt1)
128	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell (HRC) Hardness Test	ASTM A370
129	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell (HRC) Hardness Test	ASTM E18
130	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell (HRC) Hardness Test	IS 1586 (Pt1)
131	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile Strength	ASTM A370
132	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile Strength	IS 1608 (Pt1)
133	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Through Thickness Tensile (Area Reduction Test)	ASTM A770
134	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Through Thickness Tensile (Area Reduction Test)	BS EN ISO 6892-1
135	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Vickers (HV 10) Hardness Test	ASTM A370
136	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Vickers (HV 10) Hardness Test	ASTM E92
137	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Vickers (HV 10) Hardness Test	BS EN ISO 6507-1
138	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Vickers (HV 10) Hardness Test	IS 1501 (Pt1)
139	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Vickers (HV 30) Hardness Test	ASTM A370
140	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Vickers (HV 30) Hardness Test	ASTM E92



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141	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Vickers (HV 30) Hardness Test	BS EN ISO 6507-1
142	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Vickers (HV 30) Hardness Test	IS 1501 (Pt1)
143	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous materials, alloys & products	Elevated Temperature Tensile Test (Up to 1000 °C) - 0.2% Proof Stress	ASTM E21
144	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous materials, alloys & products	Elevated Temperature Tensile Test (Up to 1000 °C) - 0.2% Proof Stress	BS EN ISO 6892-2: 2018
145	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous materials, alloys & products	Elevated Temperature Tensile Test (Up to 1000 °C) - 0.2% Proof Stress	IS 1608-2
146	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous materials, alloys & products	Elevated Temperature Tensile Test (Up to 1000 °C) - 0.5% Extension Under Load	ASTM E21
147	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous materials, alloys & products	Elevated Temperature Tensile Test (Up to 1000 °C) - 0.5% Extension Under Load	IS 1608-2
148	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous materials, alloys & products	Elevated Temperature Tensile Test (Up to 1000 °C) - 1.0% Proof Stress	ASTM E21: 2020
149	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous materials, alloys & products	Elevated Temperature Tensile Test (Up to 1000 °C) - 1.0% Proof Stress	BS EN ISO 6892-2
150	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous materials, alloys & products	Elevated Temperature Tensile Test (Up to 1000 °C) - 1.0% Proof Stress	IS 1608-2
151	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous materials, alloys & products	Elevated Temperature Tensile Test (Up to 1000 °C) - Yield Strength	ASTM E21
152	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous materials, alloys & products	Elevated Temperature Tensile Test (Up to 1000 °C) - Yield Strength	BS EN ISO 6892-2:
153	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous materials, alloys & products	Elevated Temperature Tensile Test (Up to 1000 °C) - Yield Strength	IS 1608-2
154	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous materials, alloys & products	Elevated Temperature Tensile Test (Up to 1000 °C) - Tensile Strength	ASTM E21



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155	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous materials, alloys & products	Elevated Temperature Tensile Test (Up to 1000 °C) - Tensile Strength	BS EN ISO 6892-2
156	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous materials, alloys & products	Elevated Temperature Tensile Test (Up to 1000 °C) - Tensile Strength	IS 1608-2
157	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	0.2% Proof Stress	ASTM B557
158	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	0.2% Proof Stress	ASTM B557
159	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	0.2% Proof Stress	ASTM E8/E8M
160	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	0.2% Proof Stress	ASTM E8/E8M
161	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	0.2% Proof Stress	IS 1608 (Pt1)
162	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	0.5% Extension Under Load	ASTM B557
163	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	0.5% Extension Under Load	ASTM B557
164	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	0.5% Extension Under Load	IS 1608 (Pt1)
165	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	1% Proof Stress	ASTM B557
166	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	1% Proof Stress	ASTM B557
167	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	1% Proof Stress	ASTM E8/E8M
168	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	1% Proof Stress	IS 1608 (Pt1)





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169	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	Non-Ferrous metals, alloys & products 0.5% Extension Under Load	ASTM E8/E8M
170	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	Yield Strength	ASTM B557
171	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	Yield Strength	ASTM B557
172	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	Yield Strength	ASTM E8/E8M
173	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	Yield Strength	IS 1608 (Pt1): 2022
174	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	%Area Reduction	ASTM B557
175	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	%Area Reduction	ASTM E8/8M
176	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	%Area Reduction	BS EN ISO 6892-1
177	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	%Area Reduction	IS 1608 (Pt1)
178	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	%Elongation	ASTM B557
179	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	%Elongation	ASTM E8/8M
180	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	%Elongation	BS EN ISO 6892-1
181	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	%Elongation	IS 1608 (Pt1)
182	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	0.2% & 1% Proof Stress, 0.5% EUL, Yield Strength	BS EN ISO 6892-1



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183	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	Bend Test	ASTM E290
184	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	Bend Test	Indian Boiler Regulations:
185	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	Bend Test	IS 1599
186	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	Brinell Hardness Test	ASTM E10
187	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	Brinell Hardness Test	BS EN ISO 6506-1
188	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	Brinell Hardness Test	IS 1500 (Pt1)
189	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	Charpy Impact "V" Notch Test Temp. Range:(-196)°C to 25 °C	ASTM E23
190	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	Charpy Impact "V" Notch Test Temp. Range:(-196)°C to 25 °C	Indian Boiler Regulations
191	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	Charpy Impact "V" Notch Test Temp. Range:(-196)°C to 25 °C	ISO 148 (Pt1)
192	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	Flaring Test/Drift Expansion Test	ASTM A1016
193	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	Flaring Test/Drift Expansion Test	ASTM B153
194	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	Flaring Test/Drift Expansion Test	IS 2335
195	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	Flattening Test	ASTM B111
196	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	Flattening Test	Indian Boiler Regulations



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197	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	Flattening Test	IS 2328:
198	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	Rockwell (HRA) Hardness Test	ASTM E18
199	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	Rockwell (HRA) Hardness Test	BS EN ISO 6508-1
200	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	Rockwell (HRA) Hardness Test	IS 1586 (Pt1)
201	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	Rockwell (HRB) Hardness Test	ASTM E18
202	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	Rockwell (HRB) Hardness Test	BS EN ISO 6508-1
203	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	Rockwell (HRB) Hardness Test	IS 1586 (Pt1)
204	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	Rockwell (HRC) Hardness Test	ASTM E18
205	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	Rockwell (HRC) Hardness Test	IS 1586 (Pt1)
206	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	Tensile Strength	ASTM B557
207	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	Tensile Strength	ASTM E8/8M
208	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	Tensile Strength	BS EN ISO 6892-1
209	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	Tensile Strength	IS 1608 (Pt1)
210	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	Tensile Test-Through Thickness (Area Reduction)	ASTM A770





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211	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	Tensile Test-Through Thickness (Area Reduction)	BS EN ISO 6892-1
212	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	Vickers (HV10) Hardness Test	ASTM E92
213	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	Vickers (HV10) Hardness Test	BS EN ISO 6507-1
214	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	Vickers (HV10) Hardness Test	IS 1501 (Pt1)
215	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	Vickers (HV30) Hardness Test	ASTM E92
216	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	Vickers (HV30) Hardness Test	BS EN ISO 6507-1
217	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	Vickers (HV30) Hardness Test	IS 1501 (Pt1)
218	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Reinforcement Bars	Bend Test	IS 1599
219	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Reinforcement Bars	Re-Bend Test	IS 1786
220	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Reinforcement Bars	Weight per Meter Length	IS 1786
221	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Transverse Weld Tensile Test	Tensile Strength	API 1104
222	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Tube to Tubesheet Weld Joint	Macro Examination - Minimum Leak Path	ASME SEC IX:
223	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Tube to Tubesheet Weld Joint	Tube Pull Out Test	ASME SEC IX
224	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Tubes	Flanging Test	ASTM A1016



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225	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Tubes	Flanging Test	ASTM A370
226	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Tubes	Flanging Test	IS 2335
227	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Bend Test	API 1104
228	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Bend Test	ASME Sec IX
229	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Bend Test	Indian Boiler Regulations
230	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Charpy Impact "V" Notch Test Temp. Range:(-196)°C to 25 °C	ASTM E23
231	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Charpy Impact "V" Notch Test Temp. Range:(-196)°C to 25 °C	Indian Boiler Regulations
232	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Fracture Test	ASME Sec IX
233	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Fracture Test	AWS D1.1
234	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Nick Break	API 1104
235	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Overlay Cladded Test Coupon - Shear Test	ASTM A263
236	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Overlay Cladded Test Coupon - Shear Test	ASTM A264
237	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Overlay Cladded Test Coupon - Shear Test	ASTM A265
238	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Tensile Strength	ASME SEC IX



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239	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Tensile Strength	Indian Boiler Regulations
240	MECHANICAL- METALLOGRAPHY TEST	Austenitic Stainless Steel	Corrosion test in a Sulphuric acid/Copper sulphate medium in presence of copper turnings (Monypenny strauss test)	IS 1061 (Pt2)
241	MECHANICAL- METALLOGRAPHY TEST	Austenitic Stainless Steel	Corrosion test in Nitric Acid Medium by Measurement of loss in mass (Huey Test)	IS 10461 (Pt1)
242	MECHANICAL- METALLOGRAPHY TEST	Austenitic Stainless Steel	IGC PRACTICE "A"	ASTM A262
243	MECHANICAL- METALLOGRAPHY TEST	Austenitic Stainless Steel	IGC PRACTICE "B"	ASTM A262
244	MECHANICAL- METALLOGRAPHY TEST	Austenitic Stainless Steel	IGC PRACTICE "C"	ASTM A262
245	MECHANICAL- METALLOGRAPHY TEST	Austenitic Stainless Steel	IGC PRACTICE "E" (24 HRS / 72 HRS)	ASTM A262
246	MECHANICAL- METALLOGRAPHY TEST	Austenitic Stainless Steel	Intergranular Corrosion - Method A	DIN EN ISO 3651 (Pt2)
247	MECHANICAL- METALLOGRAPHY TEST	Austenitic Stainless Steel	Intergranular Corrosion - Method B	ISO 3651 (Pt2)
248	MECHANICAL- METALLOGRAPHY TEST	Austenitic Stainless Steel	Intergranular Corrosion - Method C	ISO 3651 (Pt2)
249	MECHANICAL- METALLOGRAPHY TEST	Average Grain Size Measurement by Comparison Method	Grain Size at 100X up to 1000X	ASTM E112
250	MECHANICAL- METALLOGRAPHY TEST	Average Grain Size Measurement by Comparison Method	Grain Size at 100X up to 1000X	IS 4748
251	MECHANICAL- METALLOGRAPHY TEST	Average Grain Size Measurement by Comparison Method	Grain Size at 100X up to 1000X	ISO 643
252	MECHANICAL- METALLOGRAPHY TEST	Duplex (Austenitic-Ferritic) Stainless Steel	Ferric Chloride Corrosion Test For Classification Of Structures Of Duplex Stainless Steels	ASTM A923 (Method C)
253	MECHANICAL- METALLOGRAPHY TEST	Duplex (Austenitic-Ferritic) Stainless Steel	Sodium Hydroxide Etch Test For Classification Of Etch Structures Of Duplex Stainless Steels	ASTM A923 (Method A)
254	MECHANICAL- METALLOGRAPHY TEST	Ferrous materials, Alloys & products and welded coupons	Macro Etching Test at 10X to 20X	ASTM E340





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255	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, Alloys & products and welded coupons	Macro Etching Test at 10X to 20X	ASTM E381
256	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, Alloys & products and welded coupons	Macro Etching Test at 10X to 20X	IS 11371
257	MECHANICAL-METALLOGRAPHY TEST	Metallic Coated Specimen	Salt Spray Fog Chamber Test	ASTM B117
258	MECHANICAL-METALLOGRAPHY TEST	Nickel Alloys	Ferrite Content Measurement by Manual Point Count Method	ASTM E562
259	MECHANICAL-METALLOGRAPHY TEST	Nickel Alloys	Intergranular Corrosion - Method B	ASTM G28
260	MECHANICAL-METALLOGRAPHY TEST	Nickle Alloys	Intergranular Corrosion - Method A	ASTM G28
261	MECHANICAL-METALLOGRAPHY TEST	Non-ferrous Alloys- Copper Based	Mercurous Nitrate Test	ASTM B154
262	MECHANICAL-METALLOGRAPHY TEST	Stainless Steels, Duplex Steels & related alloys	Ferric Chloride - Crevice Test Method B	ASTM G48:
263	MECHANICAL-METALLOGRAPHY TEST	Stainless Steels, Duplex Steels & related alloys	Ferric Chloride - Pitting Test Method A	ASTM G48:
264	MECHANICAL-METALLOGRAPHY TEST	Stainless Steels, Duplex Steels & related alloys	Ferric Chloride - Pitting Test Method E	ASTM G48
265	MECHANICAL-METALLOGRAPHY TEST	Stainless Steels, Duplex Steels & related alloys	Ferric Chloride - Crevice Test Method B	ASTM G48
266	MECHANICAL-METALLOGRAPHY TEST	Stainless Steels, Duplex Steels & related alloys	Ferric Chloride - Pitting Test Method A	ASTM G48
267	MECHANICAL-METALLOGRAPHY TEST	Stainless Steels, Duplex Steels & related alloys	Ferric Chloride - Pitting Test Method C	ASTM G48
268	MECHANICAL-METALLOGRAPHY TEST	Stainless Steels, Duplex Steels & related alloys	Ferric Chloride - Pitting Test Method C	ASTM G48
269	MECHANICAL-METALLOGRAPHY TEST	Stainless Steels, Duplex Steels & related alloys	Ferric Chloride - Pitting Test Method E	ASTM G48
270	MECHANICAL-METALLOGRAPHY TEST	Steel and Cast Iron	Microstructure analysis at 100X up to 1000X	ASM Handbook Vol-9