



National Accreditation Board for  
Testing and Calibration Laboratories

**CERTIFICATE OF ACCREDITATION**

**URJA METALLURGICAL SERVICES LLP**

has been assessed and accredited in accordance with the standard

**ISO/IEC 17025:2017**

**"General Requirements for the Competence of Testing &  
Calibration Laboratories"**

for its facilities at

J/P-15, TELCO-BHOSARI ROAD, BHOSARI MIDC, PUNE, MAHARASHTRA, INDIA

in the field of

**TESTING**

Certificate Number: NABLT0626MH18235 (In lieu of TC-13736)

Issue Date: 22/05/2026

Valid Until: 21/05/2030

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website [www.nabl-india.org](http://www.nabl-india.org))

Name of Legal Entity: URJA METALLURGICAL SERVICES LLP

Signed for and on behalf of NABL



Anuja Anand  
Director

Dr. Ramanand N. Shukla  
Chief Executive Officer



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## SCOPE OF ACCREDITATION

**Laboratory Name :**

URJA METALLURGICAL SERVICES LLP, J/P-15, TELCO-BHOSARI ROAD, BHOSARI MIDC, PUNE,  
MAHARASHTRA, INDIA

**Accreditation Standard**

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**Validity**

22/05/2026 to 21/05/2030

**Last Amended on**

10/06/2026

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-CORROSION TESTS	Electroplated and Anodized Aluminium Coatings	Salt Spray Test	IS 9844
2	CHEMICAL-CORROSION TESTS	Metal and their alloys, Metallic Coatings, Conversion Coatings, Anodic Oxide coatings, Organic coatings on metallic materials	Salt Spray Test	ASTM B117
3	CHEMICAL-CORROSION TESTS	Metal and their alloys, Metallic Coatings, Conversion Coatings, Anodic Oxide coatings, Organic coatings on metallic materials, decorative coatings of Copper, Nickel & Chromium or Nickel and Chromium, Anodic Coatings on Aluminium.	Salt Spray Test	ISO 9227, ISO 4628 Part 2, 3, 4, 5 and 8
4	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Antimony (Sb)	ASTM E1251
5	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Beryllium (Be)	ASTM E1251
6	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Bismuth (Bi)	ASTM E1251
7	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Chromium (Cr)	ASTM E1251
8	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Cobalt (Co)	ASTM E1251
9	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Copper (Cu)	ASTM E1251
10	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Iron (Fe)	ASTM E1251
11	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Lead (Pb)	ASTM E1251
12	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Magnesium (Mg)	ASTM E1251
13	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Manganese (Mn)	ASTM E1251
14	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Nickel (Ni)	ASTM E1251



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15	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Silicon (Si)	ASTM E1251
16	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Tin (Sn)	ASTM E1251
17	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Titanium (Ti)	ASTM E1251
18	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Zinc (Zn)	ASTM E1251
19	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Zirconium (Zr)	ASTM E1251
20	CHEMICAL- METALS & ALLOYS	Austentic and Ferritic Stainless Steels	Carbon (C)	IS 9879
21	CHEMICAL- METALS & ALLOYS	Austentic and Ferritic Stainless Steels	Chromium (Cr)	IS 9879
22	CHEMICAL- METALS & ALLOYS	Austentic and Ferritic Stainless Steels	Copper (Cu)	IS 9879
23	CHEMICAL- METALS & ALLOYS	Austentic and Ferritic Stainless Steels	Manganese (Mn)	IS 9879
24	CHEMICAL- METALS & ALLOYS	Austentic and Ferritic Stainless Steels	Molybdenum (Mo)	IS 9879
25	CHEMICAL- METALS & ALLOYS	Austentic and Ferritic Stainless Steels	Nickel (Ni)	IS 9879
26	CHEMICAL- METALS & ALLOYS	Austentic and Ferritic Stainless Steels	Phosphorus (P)	IS 9879
27	CHEMICAL- METALS & ALLOYS	Austentic and Ferritic Stainless Steels	Silicon (Si)	IS 9879
28	CHEMICAL- METALS & ALLOYS	Austentic and Ferritic Stainless Steels	Sulfur (S)	IS 9879
29	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Aluminium (Al)	ASTM E415
30	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Boron (B)	ASTM E415



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31	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Carbon (C)	ASTM E415
32	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Chromium (Cr)	ASTM E415
33	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Cobalt (Co)	ASTM E415
34	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Copper (Cu)	ASTM E415
35	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Lead (Pb)	ASTM E415
36	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Manganese (Mn)	ASTM E415
37	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Molybdenum (Mo)	ASTM E415
38	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Nickel (Ni)	ASTM E415
39	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Niobium (Nb)	ASTM E415
40	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Nitrogen (N)	ASTM E415
41	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Phosphorus (P)	ASTM E415
42	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Silicon (Si)	ASTM E415
43	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Sulfur (S)	ASTM E415
44	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Tin (Sn)	ASTM E415
45	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Titanium (Ti)	ASTM E415
46	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Vanadium (V)	ASTM E415



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47	CHEMICAL- METALS & ALLOYS	Cast Iron & Pig Iron	Carbon (C)	ASTM E1999
48	CHEMICAL- METALS & ALLOYS	Cast Iron & Pig Iron	Chromium (Cr)	ASTM E1999
49	CHEMICAL- METALS & ALLOYS	Cast Iron & Pig Iron	Copper (Cu)	ASTM E1999
50	CHEMICAL- METALS & ALLOYS	Cast Iron & Pig Iron	Manganese (Mn)	ASTM E1999
51	CHEMICAL- METALS & ALLOYS	Cast Iron & Pig Iron	Molybdenum (Mo)	ASTM E1999
52	CHEMICAL- METALS & ALLOYS	Cast Iron & Pig Iron	Nickel (Ni)	ASTM E1999
53	CHEMICAL- METALS & ALLOYS	Cast Iron & Pig Iron	Phosphorus (P)	ASTM E1999
54	CHEMICAL- METALS & ALLOYS	Cast Iron & Pig Iron	Silicon (Si)	ASTM E1999
55	CHEMICAL- METALS & ALLOYS	Cast Iron & Pig Iron	Sulfur (S)	ASTM E1999
56	CHEMICAL- METALS & ALLOYS	Cast Iron & Pig Iron	Titanium (Ti)	ASTM E1999
57	CHEMICAL- METALS & ALLOYS	Cast Iron & Pig Iron	Vanadium (V)	ASTM E1999
58	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Aluminium (Al)	BS EN 15079
59	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Antimony (Sb)	BS EN 15079
60	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Arsenic (As)	BS EN 15079
61	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Bismuth (Bi)	BS EN 15079
62	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Boron (B)	BS EN 15079



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63	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Cadmium (Cd)	BS EN 15079
64	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Cobalt (Co)	BS EN 15079
65	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Iron (Fe)	BS EN 15079
66	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Lead (Pb)	BS EN 15079
67	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Magnesium (Mg)	BS EN 15079
68	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Manganese (Mn)	BS EN 15079
69	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Nickel (Ni)	BS EN 15079
70	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Phosphorus (P)	BS EN 15079
71	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Silicon (Si)	BS EN 15079
72	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Sulfur (S)	BS EN 15079
73	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Tin (Sn)	BS EN 15079
74	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Zinc (Zn)	BS EN 15079
75	CHEMICAL- METALS & ALLOYS	Iron and Steel (Pig Iron, Cast Iron, Steel, Carbon Steel, Alloy steel, Stainless Steel, Tool Steel etc.)	Aluminium (Al)	JIS G1253
76	CHEMICAL- METALS & ALLOYS	Iron and Steel (Pig Iron, Cast Iron, Steel, Carbon Steel, Alloy steel, Stainless Steel, Tool Steel etc.)	Arsenic (As)	JIS G1253
77	CHEMICAL- METALS & ALLOYS	Iron and Steel (Pig Iron, Cast Iron, Steel, Carbon Steel, Alloy steel, Stainless Steel, Tool Steel etc.)	Boron (B)	JIS G1253
78	CHEMICAL- METALS & ALLOYS	Iron and Steel (Pig Iron, Cast Iron, Steel, Carbon Steel, Alloy steel, Stainless Steel, Tool Steel etc.)	Carbon (C)	JIS G1253



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79	CHEMICAL- METALS & ALLOYS	Iron and Steel (Pig Iron, Cast Iron, Steel, Carbon Steel, Alloy steel, Stainless Steel, Tool Steel etc.)	Chromium (Cr)	JIS G1253
80	CHEMICAL- METALS & ALLOYS	Iron and Steel (Pig Iron, Cast Iron, Steel, Carbon Steel, Alloy steel, Stainless Steel, Tool Steel etc.)	Cobalt (Co)	JIS G1253
81	CHEMICAL- METALS & ALLOYS	Iron and Steel (Pig Iron, Cast Iron, Steel, Carbon Steel, Alloy steel, Stainless Steel, Tool Steel etc.)	Copper (Cu)	JIS G1253
82	CHEMICAL- METALS & ALLOYS	Iron and Steel (Pig Iron, Cast Iron, Steel, Carbon Steel, Alloy steel, Stainless Steel, Tool Steel etc.)	Lead (Pb)	JIS G1253
83	CHEMICAL- METALS & ALLOYS	Iron and Steel (Pig Iron, Cast Iron, Steel, Carbon Steel, Alloy steel, Stainless Steel, Tool Steel etc.)	Manganese (Mn)	JIS G1253
84	CHEMICAL- METALS & ALLOYS	Iron and Steel (Pig Iron, Cast Iron, Steel, Carbon Steel, Alloy steel, Stainless Steel, Tool Steel etc.)	Molybdenum (Mo)	JIS G1253
85	CHEMICAL- METALS & ALLOYS	Iron and Steel (Pig Iron, Cast Iron, Steel, Carbon Steel, Alloy steel, Stainless Steel, Tool Steel etc.)	Nickel (Ni)	JIS G1253
86	CHEMICAL- METALS & ALLOYS	Iron and Steel (Pig Iron, Cast Iron, Steel, Carbon Steel, Alloy steel, Stainless Steel, Tool Steel etc.)	Niobium (Nb)	JIS G1253
87	CHEMICAL- METALS & ALLOYS	Iron and Steel (Pig Iron, Cast Iron, Steel, Carbon Steel, Alloy steel, Stainless Steel, Tool Steel etc.)	Nitrogen (N)	JIS G1253
88	CHEMICAL- METALS & ALLOYS	Iron and Steel (Pig Iron, Cast Iron, Steel, Carbon Steel, Alloy steel, Stainless Steel, Tool Steel etc.)	Phosphorus (P)	JIS G1253
89	CHEMICAL- METALS & ALLOYS	Iron and Steel (Pig Iron, Cast Iron, Steel, Carbon Steel, Alloy steel, Stainless Steel, Tool Steel etc.)	Silicon (Si)	JIS G1253
90	CHEMICAL- METALS & ALLOYS	Iron and Steel (Pig Iron, Cast Iron, Steel, Carbon Steel, Alloy steel, Stainless Steel, Tool Steel etc.)	Sulfur (S)	JIS G1253
91	CHEMICAL- METALS & ALLOYS	Iron and Steel (Pig Iron, Cast Iron, Steel, Carbon Steel, Alloy steel, Stainless Steel, Tool Steel etc.)	Tin (Sn)	JIS G1253
92	CHEMICAL- METALS & ALLOYS	Iron and Steel (Pig Iron, Cast Iron, Steel, Carbon Steel, Alloy steel, Stainless Steel, Tool Steel etc.)	Titanium (Ti)	JIS G1253
93	CHEMICAL- METALS & ALLOYS	Iron and Steel (Pig Iron, Cast Iron, Steel, Carbon Steel, Alloy steel, Stainless Steel, Tool Steel etc.)	Tungsten (W)	JIS G1253
94	CHEMICAL- METALS & ALLOYS	Iron and Steel (Pig Iron, Cast Iron, Steel, Carbon Steel, Alloy steel, Stainless Steel, Tool Steel etc.)	Vanadium (V)	JIS G1253



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95	CHEMICAL- METALS & ALLOYS	Iron and Steel (Pig Iron, Steel, Carbon Steel, Alloy Steel, Stainless Steel, Tool Steel etc.)	Magnesium (Mg)	JIS G 1253
96	CHEMICAL- METALS & ALLOYS	Iron castings & Pig Iron	Aluminium (Al)	IS 15338
97	CHEMICAL- METALS & ALLOYS	Iron castings & Pig Iron	Carbon (C)	IS 15338
98	CHEMICAL- METALS & ALLOYS	Iron castings & Pig Iron	Chromium (Cr)	IS 15338
99	CHEMICAL- METALS & ALLOYS	Iron castings & Pig Iron	Copper (Cu)	IS 15338
100	CHEMICAL- METALS & ALLOYS	Iron castings & Pig Iron	Manganese (Mn)	IS 15338
101	CHEMICAL- METALS & ALLOYS	Iron castings & Pig Iron	Molybdenum (Mo)	IS 15338
102	CHEMICAL- METALS & ALLOYS	Iron castings & Pig Iron	Nickel (Ni)	IS 15338
103	CHEMICAL- METALS & ALLOYS	Iron castings & Pig Iron	Phosphorus (P)	IS 15338
104	CHEMICAL- METALS & ALLOYS	Iron castings & Pig Iron	Silicon (Si)	IS 15338
105	CHEMICAL- METALS & ALLOYS	Iron castings & Pig Iron	Sulfur (S)	IS 15338
106	CHEMICAL- METALS & ALLOYS	Iron castings & Pig Iron	Vanadium (V)	IS 15338
107	CHEMICAL- METALS & ALLOYS	Metallic Materials	Chromium (Cr)	ASTM E1476
108	CHEMICAL- METALS & ALLOYS	Metallic Materials	Cobalt (Co)	ASTM E1476
109	CHEMICAL- METALS & ALLOYS	Metallic Materials	Copper (Cu)	ASTM E1476
110	CHEMICAL- METALS & ALLOYS	Metallic Materials	Iron (Fe)	ASTM E1476



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111	CHEMICAL- METALS & ALLOYS	Metallic Materials	Lead (Pb)	ASTM E1476
112	CHEMICAL- METALS & ALLOYS	Metallic Materials	Manganese (Mn)	ASTM E1476
113	CHEMICAL- METALS & ALLOYS	Metallic Materials	Molybdenum (Mo)	ASTM E1476
114	CHEMICAL- METALS & ALLOYS	Metallic Materials	Nickel (Ni)	ASTM E1476
115	CHEMICAL- METALS & ALLOYS	Metallic Materials	Niobium (Nb)	ASTM E1476
116	CHEMICAL- METALS & ALLOYS	Metallic Materials	Silver (Ag)	ASTM E1476
117	CHEMICAL- METALS & ALLOYS	Metallic Materials	Tin (Sn)	ASTM E1476
118	CHEMICAL- METALS & ALLOYS	Metallic Materials	Titanium (Ti)	ASTM E1476
119	CHEMICAL- METALS & ALLOYS	Metallic Materials	Tungsten (W)	ASTM E1476
120	CHEMICAL- METALS & ALLOYS	Metallic Materials	Vanadium (V)	ASTM E1476
121	CHEMICAL- METALS & ALLOYS	Metallic Materials	Zinc (Zn)	ASTM E1476
122	CHEMICAL- METALS & ALLOYS	Metallic Materials	Antimony (Sb)	ASTM E1476
123	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	Aluminium (Al)	ASTM E3047
124	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	Boron (B)	ASTM E3047
125	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	Carbon (C)	ASTM E3047
126	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	Chromium (Cr)	ASTM E3047



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127	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	Cobalt (Co)	ASTM E3047
128	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	Copper (Cu)	ASTM E3047
129	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	Iron (Fe)	ASTM E3047
130	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	Manganese (Mn)	ASTM E3047
131	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	Molybdenum (Mo)	ASTM E3047
132	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	Nickel (Ni)	ASTM E3047
133	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	Niobium (Nb)	ASTM E3047
134	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	Phosphorus (P)	ASTM E3047
135	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	Silicon (Si)	ASTM E3047
136	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	Sulfur (S)	ASTM E3047
137	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	Tin (Sn)	ASTM E3047
138	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	Titanium (Ti)	ASTM E3047
139	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	Tungsten (W)	ASTM E3047
140	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	Vanadium (V)	ASTM E3047
141	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steels	Aluminium (Al)	IS 8811
142	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steels	Boron (B)	IS 8811



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143	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steels	Carbon (C)	IS 8811
144	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steels	Chromium (Cr)	IS 8811
145	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steels	Cobalt (Co)	IS 8811
146	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steels	Copper (Cu)	IS 8811
147	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steels	Manganese (Mn)	IS 8811
148	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steels	Molybdenum (Mo)	IS 8811
149	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steels	Nickel (Ni)	IS 8811
150	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steels	Niobium (Nb)	IS 8811
151	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steels	Phosphorus (P)	IS 8811
152	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steels	Silicon (Si)	IS 8811
153	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steels	Sulfur (S)	IS 8811
154	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steels	Tin (Sn)	IS 8811
155	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steels	Titanium (Ti)	IS 8811
156	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steels	Vanadium (V)	IS 8811
157	CHEMICAL- METALS & ALLOYS	Stainless Steel & Its Types	Carbon (C)	ASTM E1086
158	CHEMICAL- METALS & ALLOYS	Stainless Steel & Its Types	Chromium (Cr)	ASTM E1086



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159	CHEMICAL- METALS & ALLOYS	Stainless Steel & Its Types	Copper (Cu)	ASTM E1086
160	CHEMICAL- METALS & ALLOYS	Stainless Steel & Its Types	Manganese (Mn)	ASTM E1086
161	CHEMICAL- METALS & ALLOYS	Stainless Steel & Its Types	Molybdenum (Mo)	ASTM E1086
162	CHEMICAL- METALS & ALLOYS	Stainless Steel & Its Types	Nickel (Ni)	ASTM E1086
163	CHEMICAL- METALS & ALLOYS	Stainless Steel & Its Types	Phosphorus (P)	ASTM E1086
164	CHEMICAL- METALS & ALLOYS	Stainless Steel & Its Types	Silicon (Si)	ASTM E1086
165	CHEMICAL- METALS & ALLOYS	Stainless Steel & Its Types	Sulfur (S)	ASTM E1086
166	CHEMICAL- METALS & ALLOYS	Titanium and Titanium Alloys	Aluminum (Al)	ASTM E2994
167	CHEMICAL- METALS & ALLOYS	Titanium and Titanium Alloys	Carbon (C)	ASTM E2994
168	CHEMICAL- METALS & ALLOYS	Titanium and Titanium Alloys	Chromium (Cr)	ASTM E2994
169	CHEMICAL- METALS & ALLOYS	Titanium and Titanium Alloys	Copper (Cu)	ASTM E2994
170	CHEMICAL- METALS & ALLOYS	Titanium and Titanium Alloys	Iron (Fe)	ASTM E2994
171	CHEMICAL- METALS & ALLOYS	Titanium and Titanium Alloys	Manganese (Mn)	ASTM E2994
172	CHEMICAL- METALS & ALLOYS	Titanium and Titanium Alloys	Molybdenum (Mo)	ASTM E2994
173	CHEMICAL- METALS & ALLOYS	Titanium and Titanium Alloys	Nickel (Ni)	ASTM E2994
174	CHEMICAL- METALS & ALLOYS	Titanium and Titanium Alloys	Niobium (Nb)	ASTM E2994



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175	CHEMICAL- METALS & ALLOYS	Titanium and Titanium Alloys	Silicon (Si)	ASTM E2994
176	CHEMICAL- METALS & ALLOYS	Titanium and Titanium Alloys	Tin (Sn)	ASTM E2994
177	CHEMICAL- METALS & ALLOYS	Titanium and Titanium Alloys	Vanadium (V)	ASTM E2994
178	CHEMICAL- METALS & ALLOYS	Titanium and Titanium Alloys	Zirconium (Zr)	ASTM E2994
179	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Aerated Concrete (AAC) Blocks	Compressive Strength	IS 6441 (Part 5)
180	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Aerated Concrete (AAC) Blocks	Density	IS 6441 (Part 1)
181	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Aerated Concrete (AAC) Blocks	Dimensions - Height	IS 2185 (Part 3)
182	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Aerated Concrete (AAC) Blocks	Dimensions - Length	IS 2185 (Part 3)
183	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Aerated Concrete (AAC) Blocks	Dimensions - Width	IS 2185 (Part 3)
184	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimension- Height	IS 1077
185	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks and Fly ash bricks	Efflorescence	IS 3495 (Part 3)
186	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks and Fly ash bricks	Compressive Strength	IS 3495 (Part 1)
187	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks and Fly ash bricks	Water absorption	IS 3495 (Part 2)



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188	MECHANICAL-BUILDINGS MATERIALS	Burnt Clay Fly ash Building Bricks	Dimension - Length, Width, Height	IS 13757
189	MECHANICAL-BUILDINGS MATERIALS	Cement (OPC, PPC)	Compressive strength	IS 4031 (Part 6)
190	MECHANICAL-BUILDINGS MATERIALS	Cement (OPC, PPC)	Consistency	IS 4031 (Part 4)
191	MECHANICAL-BUILDINGS MATERIALS	Cement (OPC, PPC)	Density	IS 4031 (Part 11)
192	MECHANICAL-BUILDINGS MATERIALS	Cement (OPC, PPC)	Determination of fineness by dry sieving	IS 4031 (Part 1)
193	MECHANICAL-BUILDINGS MATERIALS	Cement (OPC, PPC)	Final setting time	IS 4031 (Part 5)
194	MECHANICAL-BUILDINGS MATERIALS	Cement (OPC, PPC)	Initial Setting time	IS 4031 (Part 5)
195	MECHANICAL-BUILDINGS MATERIALS	Cement (OPC, PPC)	Fineness by blaine air permeability	IS 4031 (Part 2)
196	MECHANICAL-BUILDINGS MATERIALS	Cement (OPC, PPC)	Soundness by Le chatelier methods	IS 4031 (Part 3)
197	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Compacted Bulk Density	IS 2386 (Part 3)
198	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Loose Bulk Density	IS 2386 (Part 3)
199	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Void ratio	IS 2386 P3



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200	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregates	10% Fines Value	IS 2386 (Part 4)
201	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregates	Crushing value	IS 2386 (Part 4)
202	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregates	Elongation index	IS 2386 (Part 1)
203	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregates	Flakiness index	IS 2386 (Part 1)
204	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregates	Impact value	IS 2386 (Part 4)
205	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregates	Los angles abrasion value (LAA)	IS 2386 (Part 4)
206	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregates	Specific gravity	IS 2386 (Part 3)
207	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregates	Water absorption	IS 2386 (Part 3)
208	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregates	Sieve Analysis (Sieve Size 50, 40, 31.5, 25, 20, 16, 12.5, 10, 6.3, 4.75, 3.35 mm)	IS 2386 (Part 1)
209	MECHANICAL-BUILDINGS MATERIALS	Common Burnt Clay Building Bricks	Dimension - Length	IS 1077
210	MECHANICAL-BUILDINGS MATERIALS	Common Burnt Clay Building Bricks	Dimension- Width	IS 1077



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211	MECHANICAL-BUILDINGS MATERIALS	Concrete Paver Blocks	Compressive strength	IS 15658
212	MECHANICAL-BUILDINGS MATERIALS	Concrete Paver Blocks	Water Absorption	IS 15658
213	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Compacted Bulk Density	IS 2386 (Part 3)
214	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregates	Loose Bulk Density	IS 2386 (Part 3)
215	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregates	Material finer than 75 micron	IS 2386 (Part 1)
216	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregates	Sieve analysis Sieve analysis (Sieve Size 2.36, 1.18, 0.6, 0.3, 0.15, 0.075 mm)	IS 2386 (Part 1)
217	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregates	Specific gravity	IS 2386 (Part 3)
218	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregates	Water absorption	IS 2386 (Part 3)
219	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregates	Void ratio	IS 2386 P3
220	MECHANICAL-BUILDINGS MATERIALS	Manhole Cover	Load Bearing Test	BS EN 124-1
221	MECHANICAL-BUILDINGS MATERIALS	Pipes for Plumbing & drainage fittings	Dimension - Diameter, Thickness, Length	IS 12235 (Part 1)



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222	MECHANICAL-BUILDINGS MATERIALS	Tiles (Ceramic Vitrified Glazed / Un Glazed, Flooring, Wall)	Dimensions - Length, Width	IS 13630 (Part 1)
223	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (0.2 % Proof Stress)	IS 1608 (Part 1) /ISO 6892 (Part 1)
224	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Alloy Steel and Stainless Steel	Flaring Test / Drift Expansion Test	ASTM A999/A999M
225	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Alloy Steel and Stainless Steel	Flattening Test	ASTM A999/A999M
226	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Alloys & Products	Reduction Area	ASTM B557
227	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Alloys & Products	Tensile Test (% Elongation)	ASTM B557
228	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Alloys & Products	Tensile Test (Ultimate Tensile Strength)	ASTM B557
229	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Alloys & Products	Tensile Test (Yield Stress)	ASTM B557
230	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Alloys & Products	Tensile Test (0.2 % Proof Stress)	ASTM B557



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231	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Alloys & Products	Tensile Test (1.0% Proof Stress)	ASTM B557
232	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum and Al Alloys Weldments	Tensile Test (Ultimate Tensile Strength, UTS)	AWS D1.2/D1.2M
233	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum and Al Alloys Weldments	Vickers Hardness Test	AWS D1.2/D1.2M
234	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon and Alloy Steel	Flaring Test / Drift Expansion Test	ASTM A450/A450M
235	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon and Alloy Steel	Flattening Test	ASTM A450/A450M
236	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon and Alloy Steel	Bend Test	ASTM E290
237	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon and Alloy Steel Nuts	Proof Load Test	ASTM A563/A563M
238	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel, Alloy Steel, and Stainless Steel	Proof load Test (Nuts)	ASTM A194/194M
239	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel, Alloy Steel, and Stainless Steel	Proof Load Test	ASTM A194/194M



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240	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Duplex, Austenitic / Ferritic Stainless Steels	Method B Charpy Impact Test ( Temp (-) 196 Deg C to Room Temp )	ASTM A923, ASTM A1084
241	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Electroplated coatings of copper,brass, nickel nickel-chromium, hard chromium, lead, zinc, cadmium,silver, gold and tin.	Electroplated coating on Magnetic Material Coating Thickness - Magnetic Method	IS 3203
242	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Externally and Internally Threaded Fasteners, Bolts, screws and studs	Wedge / Full / Machined Tensile Test	ASTM F606/F606M
243	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Externally and Internally Threaded Fasteners, Washers, Direct Tension Indicators, and Rivets	Proof Load Test	BS EN ISO 3506-1
244	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Externally and Internally Threaded Fasteners, Washers, Direct Tension Indicators, and Rivets	Wedge / Full Tensile Test	BS EN ISO 3506-1
245	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Externally and Internally Threaded Fasteners, Washers, Direct Tension Indicators, and Rivets	Wedge / Full / Machined Tensile Test	IS 1367 (Part 3)/ ISO 898-1
246	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Externally and Internally Threaded Fasteners, Washers, Direct Tension Indicators, and Rivets, Bolts, screws and studs	Proof Load Test	ASTM F606/F606M
247	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Externally, Internally Threaded Fasteners, Bolts, screws and studs	Proof Load Test	ASTM A193/A193M
248	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Externally, Internally Threaded Fasteners, Bolts, screws and studs	Wedge / Full / Machined Tensile Test	ASTM A193/A193M



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249	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Externally, Internally Threaded Fasteners, Bolts, screws and studs	Wedge / Full / Machined Tensile Test	ASTM A320/A320M
250	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Externally, Internally Threaded Fasteners, Bolts, screws and studs	Wedge / Full / Machined Tensile Test	ASTM A370 / ASME BPVC IIA SA370
251	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Decarburization Depth (micro-indentation hardness)	IS 1367 (Part 3/6)
252	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners made of carbon steel and alloy steel Bolts, screws and studs	Tensile Test (% Elongation )	IS 1367 (Part 3)/ ISO 898-1
253	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners made of carbon steel and alloy steel Bolts, screws and studs	Tensile Test (% Reduction in Area )	IS 1367 (Part 3)/ ISO 898-1
254	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners made of carbon steel and alloy steel Bolts, screws and studs	Tensile Test (Yield Stress)	IS 1367 (Part 3) / ISO 898-1
255	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners made of carbon steel and alloy steel Bolts, screws and studs	Tensile Test (0.2 % Proof Stress)	IS 1367 (Part 3) / ISO 898-1
256	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners made of carbon steel and alloy steel Bolts, screws and studs	Tensile Test (1.0% Proof Stress)	IS 1367 (Part 3) / ISO 898-1
257	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners made of carbon steel and alloy steel Nuts	Proof Load Test (Nuts)	BS EN ISO 898-2



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258	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners, Nuts	Proof Load	BS EN ISO 3506-2
259	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferritic Alloy Steel, Austenitic Alloy Steel, and Stainless Steel Tubes	Flaring Test / Drift Expansion Test	ASTM A1016/A1016M
260	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferritic Alloy Steel, Austenitic Alloy Steel, and Stainless Steel Tubes	Flattening Test	ASTM A1016/A1016M
261	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fusion Welded Joints and Weld Metal in Steel	Tensile Test (Ultimate Tensile Strength, UTS)	IS 3600 (Part 3) / ISO 4136
262	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fusion Welded Joints and Weld Metal in Steel	Tensile Test (Ultimate Tensile Strength, UTS)	IS 3600 (Part 4)
263	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High strength deformed steel bars and wires (TMT Bars)	Re-bend Test	IS 1786
264	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High strength deformed steel bars and wires (TMT Bars)	Bend Test	IS 1599
265	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High strength deformed steel bars and wires (TMT Bars)	Tensile Test (% Elongation)	IS 1608 (Part 1)
266	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High strength deformed steel bars and wires (TMT Bars)	Tensile Test (% Reduction in Area )	IS 1608 (Part 1)



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267	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High strength deformed steel bars and wires (TMT Bars)	Tensile Test (0.2% Proof Stress)	IS 1608 (Part 1)
268	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High strength deformed steel bars and wires (TMT Bars)	Tensile Test (1% Proof Stress)	IS 1608 (Part 1)
269	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High strength deformed steel bars and wires (TMT Bars)	Tensile Test (Ultimate Tensile Strength, UTS)	IS 1608 (Part-1)
270	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High strength deformed steel bars and wires (TMT Bars)	Tensile Test (Yield Stress)	IS 1608 (Part 1)
271	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Iron and Steel Articles with Zinc or Zinc-Alloy Coatings	Mass Of Zinc Coating (Single Spot / Triple Spot Method) GSM	ASTM A90/90M
272	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Iron Castings	Transverse Test	IS 210
273	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & alloys -Aluminum Section, Steel & Structural Steel Articles, Paints, Varnishes, , Enamels, Epoxy, Coating, Plating and Related Products	Coating Thickness by Elcometer	ASTM B499
274	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Articles	Coating Thickness	ASTM E376
275	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Articles	Mass Of Zinc Coating (Single Spot / Triple Spot Method) GSM	IS 6745



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276	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Coated Articles	Uniformity of Zinc Coating	IS 2633
277	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Compression Test	ASTM E9
278	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Hardness Test- Brinell Hardness (HBW 10/3000)	ASTM E10
279	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Hardness Test- Brinell Hardness (HBW 5/750)	ASTM E10
280	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Hardness Test- Rockwell Hardness Scale A, B, C	ASTM E18
281	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Hardness Test- Rockwell Superficial Hardness Scale HR15/30/45N, HR15/30/45TW	ASTM E18
282	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test ( % Reduction Area )	IS 1608 Part 1/ISO 6892 Part 1
283	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test, HV 0.2/0.5/1	ASTM E384
284	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test, HV 0.2/0.5/1/5/10/30	IS 1501 Part 1 / ISO 6507-1



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285	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test, HV 10/20/30	ASTM E92
286	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Bend Test	IS 1599 / ISO 7438
287	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Hardness Test- Brinell Hardness (HBW 10/3000)	IS 1500 (Part 1) / ISO 6506-1
288	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Hardness Test- Brinell Hardness (HBW 5/750)	IS 1500 (Part 1) / ISO 6506-1
289	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Hardness Test- Rockwell Hardness Scale A, B, C	IS 1586 (Part 1) / ISO 6508-1
290	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Hardness Test- Rockwell Superficial Hardness Scale HR15/30/45N, HR15/30/45TW	IS 1586 (Part 1) / ISO 6508-1
291	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test ( % Reduction Area )	ASTM E8/E8M
292	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test ( % Elongation )	IS 1608 (Part 1) / ISO 6892 (Part 1)
293	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test ( % Elongation)	ASTM E8/E8M



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294	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (Ultimate Tensile Strength, UTS)	ASTM E8/E8M
295	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (Ultimate Tensile Strength, UTS)	JIS Z2241
296	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (Yield Stress)	ASTM E8/E8M
297	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (Yield Stress)	IS 1608 (Part 1) / ISO 6892 (Part 1)
298	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (% Elongation)	JIS Z2241
299	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Reduction in Area	JIS Z2241
300	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Charpy Impact Test ( Temp (-) 196 Deg C to Room Temp ) with 8 & 2 mm Sticker	ASTM E23
301	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Charpy Impact Test ( Temp (-) 196 Deg C to Room Temp ) with 8 & 2 mm Sticker	IS 1757 (Part 1) / ISO 148-1
302	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Erichsen Cupping Test	BS EN ISO 20482



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303	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Microvickers Hardness Test, HV0.1/HV0.3/HV 0.05	ASTM A370 / ASME BPVC IIA SA 370
304	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Microvickers Hardness Test, HV0.1/HV0.3/HV 0.05	ASTM E384
305	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Microvickers Hardness Test, HV0.1/HV0.3/HV 0.05	ASTM E92
306	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Microvickers Hardness Test, HV0.1/HV0.3/HV 0.05	IS 1501 (Part 1) / ISO 6507-1
307	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (Ultimate Tensile Strength, UTS)	IS 1608 (Part 1) / ISO 6892 (Part 1)
308	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (Yield Stress)	JIS Z2241
309	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (0.2 % Proof Stress)	ASTM E8/E8M
310	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (0.2 % Proof Stress)	JIS Z2241
311	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (1.0% Proof Stress)	ASTM E8/E8M



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312	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (1.0% Proof Stress)	IS 1608 (Part 1) /ISO 6892 (Part 1)
313	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (1.0% Proof Stress)	JIS Z2241
314	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials and Steel Products	Crushing Test	ASTM A370 / ASME BPVC IIA SA370
315	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials and Steel Products	Crushing Test	IS 3601
316	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials and Steel Products	Flattening Test	ASTM A370 / ASME BPVC IIA SA370
317	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials and Steel Products	Flattening Test	ASTM A530/A530M
318	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials and Steel Products	Vickers Hardness Test, HV 0.2/0.5/1/5/10/30	ASTM A370 / ASME BPVC IIA SA370
319	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials and Steel Products	Bend Test	ASTM A370 / ASME BPVC IIA SA370
320	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials and Steel Products	Flaring Test / Drift Expansion Test	ASTM A370 / ASME BPVC IIA SA370



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321	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials and Steel Products	Hardness Test- Brinell Hardness (HBW 10/3000)	ASTM A370 / ASME BPVC IIA SA370
322	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials and Steel Products	Hardness Test- Brinell Hardness (HBW 5/750)	ASTM A370 / ASME BPVC IIA SA370
323	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials and Steel Products	Hardness Test- Rockwell Hardness Scale A, B, C	ASTM A370 / ASME BPVC IIA SA370
324	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials and Steel Products	Hardness Test- Rockwell Superficial Hardness Scale HR15/30/45N, HR15/30/45TW	ASTM A370 / ASME BPVC IIA SA370
325	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials and Steel Products	Proof Load Test	ASTM A370 / ASME BPVC IIA SA370
326	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials and Steel Products	Tensile Test ( % Reduction in Area )	ASTM A370 / ASME BPVC IIA SA370
327	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials and Steel Products	Tensile Test (% Elongation)	ASTM A370 / ASME BPVC IIA SA370
328	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials and Steel Products	Tensile Test (Ultimate Tensile Strength, UTS)	ASTM A370 / ASME BPVC IIA SA370
329	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials and Steel Products	Tensile Test (Yield Stress)	ASTM A370 / ASME BPVC IIA SA370



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330	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials and Steel Products	Charpy Impact Test ( Temp (-) 196 Deg C to Room Temp ) with 8 & 2 mm Sticker	ASTM A370 / ASME BPVC IIA SA370
331	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials and Steel Products	Erichsen Cupping Test	ASTM A370 / ASME BPVC IIA SA370
332	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials and Steel Products	Tensile Test (0.2 % Proof Stress)	ASTM A370 / ASME BPVC IIA SA370
333	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials and Steel Products	Tensile Test (1.0% Proof Stress)	ASTM A370 / ASME BPVC IIA SA370
334	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials- Sheet and Strip	Erichsen Cupping Test	IS 10175 / ISO 20482
335	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials- Tube	Flaring Test / Drift Expansion Test	BS EN ISO 8493
336	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials- Tube	Flattening Test	IS 2328 / ISO 8492
337	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Pipe & Tubes	Flaring Test / Drift Expansion Test	IS 2335 / ISO 8493
338	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Pipe & Tubes	Bend Test	IS 2329 / ISO 8491



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339	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals	Izod Impact Test ( Temp (- ) 196 Deg C to Room Temp )	BS 131-1
340	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals	Izod Impact Test ( Temp (- ) 196 Deg C to Room Temp )	IS 1598
341	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Coupler (Mechanical splices of steel reinforcing bars), TMT Coupler	Slip Test	IS 16172
342	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Coupler (Mechanical splices of steel reinforcing bars), TMT Coupler	Tensile Strength (UTS / Pull Out)	IS 16172
343	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Jominy Hardenability Test by End Quench Method	ASTM A255
344	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Jominy Hardenability Test by End Quench Method	IS 3848
345	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Threaded Steel Fasteners	Proof Load Test	IS 1367 (Part 3) / ISO 898-1
346	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Threaded Steel Fasteners (Nuts)	Proof Load Test	IS 1367 (Part 6) / ISO 898-2
347	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metallic Materials	% Elongation	ISO 5178



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348	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metallic Materials	Tensile Test (Yield Stress)	ISO 5178
349	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metallic Materials	Tensile Test (0.2 % Proof Stress)	ISO 5178
350	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metallic Materials	Tensile Test (1 % Proof Stress)	ISO 5178
351	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metallic Materials	Ultimate Tensile Strength (UTS)	ISO 5178
352	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded metallic materials	% Elongation	ISO 5178
353	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welding Rods, Electrodes, and Filler Metals	Tensile Test (0.2 % Proof Stress)	ASME BPVC Section II-Materials-Part C
354	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welding Rods, Electrodes, and Filler Metals	% Elongation	ASME BPVC Section II-Materials-Part C
355	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welding Rods, Electrodes, and Filler Metals	Bend	ASME BPVC Section II-Materials-Part C
356	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welding Rods, Electrodes, and Filler Metals	Tensile Test (1.0% Proof Stress)	ASME BPVC Section II-Materials-Part C



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357	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welding Rods, Electrodes, and Filler Metals	Tensile Test (Yield Stress)	ASME BPVC Section II-Materials-Part C
358	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welding Rods, Electrodes, and Filler Metals	Ultimate Tensile Strength (UTS)	ASME BPVC Section II-Materials-Part C
359	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welding Rods, Electrodes, and Filler Metals	% Reduction in Area	ASME BPVC Section II-Materials-Part C
360	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Tensile Test (Ultimate Tensile Strength, UTS)	IS 2825
361	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and welded joints	% Reduction in Area	AWS B4.0
362	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and welded joints	Charpy Impact Test ( Temp (-) 196 Deg C to Room Temp ) with 8 & 2 mm Sticker	AWS B4.0
363	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and welded joints	Tensile Test (% Elongation)	AWS B4.0
364	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and welded joints	Tensile Test (Ultimate Tensile Strength, UTS)	AWS B4.0
365	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and welded joints	Tensile Test (Yield Stress)	AWS B4.0



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366	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and welded joints	Tensile Test (0.2 % Proof Stress)	AWS B4.0
367	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and welded joints	Tensile Test (1.0% Proof Stress)	AWS B4.0
368	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and welded joints in Aluminium and its alloys	Bend test	AWS D1.2/D1.2M
369	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and welded joints in Aluminium and its alloys	Bend Test	BS EN ISO 15614-2
370	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and welded joints in Aluminium and its alloys	Fillet Weld Fracture Test, Nick Break Test	BS EN ISO 15614-2
371	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and welded joints in Aluminium and its alloys	Fillet Weld Fracture Test, Nick Break Test	AWS D1.2/D1.2M
372	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and welded joints in Aluminium and its alloys	Tensile Test (Ultimate Tensile Strength, UTS)	BS EN ISO 15614-2
373	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and welded joints in Carbon and Alloy Steel	Tensile Test (Ultimate Tensile Strength, UTS)	API 1104
374	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and welded joints in Ferrous materials, alloys & products	Bend Test	API 1104



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375	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and welded joints in Ferrous materials, alloys & products	Bend test	AWS D1.1/D1.1M
376	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and welded joints in Ferrous materials, alloys & products	Bend Test	BS EN ISO 9606-1
377	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and welded joints in Ferrous materials, alloys & products	Macro/Micro Examination	API 1104
378	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and welded joints in Ferrous materials, alloys & products	Nick Break Test	AWS D1.1/D1.1M
379	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and welded joints in Ferrous materials, alloys & products	Bend Test	IS 3600 (Part 5) / ISO 5173
380	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and welded joints in Ferrous materials, alloys & products	Bend Test	IS 3600 (Part 7)
381	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and welded joints in Ferrous materials, alloys & products	Fillet Weld Fracture Test, Nick Break Test	API 1104
382	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and welded joints in Ferrous materials, alloys & products	Fillet Weld Fracture Test, Nick Break Test	AWS D1.1/D1.1M
383	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and welded joints in Ferrous materials, alloys & products	Fillet Weld Fracture Test, Nick Break Test	BS EN ISO 9606-1



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384	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and Welded joints in Metallic Materials	Bend Test	AWS B4.0
385	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and Welded joints in Metallic Materials	Bend Test	ASME BPVC Section IX
386	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and Welded joints in Metallic Materials	Macro / Micro Examination	IS 2825
387	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and Welded joints in Metallic Materials	Mock-Up ( Pull Out ) Test	ASME BPVC Section IX
388	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and Welded joints in Metallic Materials	Nick Break Test	IS 2825
389	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and Welded joints in Metallic Materials	Pull Out Test	BS EN ISO 15614-8
390	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and Welded joints in Metallic Materials	Push Out Test	BS EN ISO 15614-8
391	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and Welded joints in Metallic Materials	Fillet Weld Fracture Test, Nick Break Test	ASME BPVC Section IX
392	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and Welded joints in Metallic Materials	Fillet Weld Fracture Test, Nick Break Test	BS EN ISO 9017



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393	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and Welded joints in Metallic Materials	Fillet Weld Fracture Test, Nick Break Test	AWS B4.0
394	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and Welded joints in Metallic Materials	Fillet Weld Fracture Test, Nick Break Test	IS 3600 (Part 8)
395	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and Welded joints in Metallic Materials	Charpy Impact Test ( Temp (-) 196 Deg C to Room Temp ) with 8 & 2 mm Sticker	ASME BPVC Section IX
396	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and Welded joints in Metallic Materials	Charpy Impact Test ( Temp (-) 196 Deg C to Room Temp ) with 8 & 2 mm Sticker	IS 3600 (Part 2) / ISO 9016
397	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and Welded joints in Metallic Materials	Tensile Test (Ultimate Tensile Strength, UTS)	ASME BPVC Section IX
398	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and Welded joints in Metallic Materials	Vickers Hardness Test	ASME BPVC Section IX
399	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and welded joints in metallic materials.	Peel & Chisel Test	BS EN ISO 10447
400	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and welded joints in metallic materials.	Tensile Test (Ultimate Tensile Strength, UTS)	BS EN ISO 5178
401	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and welded joints in metallic materials.	Vickers Hardness Test	BS EN ISO 9015-1



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402	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and welded joints in metallic materials.	Vickers Hardness Test	BS EN ISO 9015-2
403	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and welded joints in Steel	Charpy Impact Test ( Temp (-) 196 Deg C to Room Temp ) with 8 & 2 mm Sticker	AWS D1.1/D1.1M
404	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and welded joints in Steel	Tensile Test (Ultimate Tensile Strength, UTS)	AWS D1.1/D1.1M
405	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and welded joints in Steel	Vickers Hardness Test	AWS D1.1/D1.1M
406	MECHANICAL-METALLOGRAPHY TEST	Arc and Gas welding of steels and arc welding of nickel and nickel alloys	Macro/Micro Examination	BS EN ISO 15614-1
407	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	IGC Test 'E'	ASTM A262
408	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	IGC Test 'A'	ASTM A262
409	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	IGC Test Monypenny Strauss Test	IS 10461 (Part 2)
410	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	IGC Test 'B'	ASTM A262
411	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	IGC Test 'C'	ASTM A262



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412	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	IGC Test 'F'	ASTM A262
413	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steels	IGC, Huey Test	IS 10461 (Part 1)
414	MECHANICAL-METALLOGRAPHY TEST	Bearing Steel	Carbide Structure	SEP 1520
415	MECHANICAL-METALLOGRAPHY TEST	Coated Products	Coating Thickness by Microscopic Method	ASTM B487
416	MECHANICAL-METALLOGRAPHY TEST	Copper & Its Alloys	Average Grain Size by Comparison Method Size 01 to 10	BS EN ISO 2624
417	MECHANICAL-METALLOGRAPHY TEST	Duplex, Austenitic / Ferritic Stainless Steels	Method A (Sodium Hydroxide Etch Test)	ASTM A923, ASTM A1084
418	MECHANICAL-METALLOGRAPHY TEST	Duplex, Austenitic / Ferritic Stainless Steels	Microstructure Examination	BS EN ISO 17781
419	MECHANICAL-METALLOGRAPHY TEST	Duplex, Austenitic / Ferritic Stainless Steels	Method C (Ferric chloride corrosion test)	ASTM A923, ASTM A1084
420	MECHANICAL-METALLOGRAPHY TEST	Iron Castings	Microstructure Examination	ASTM A247
421	MECHANICAL-METALLOGRAPHY TEST	Iron castings	Microstructure Examination	ASTM E2567
422	MECHANICAL-METALLOGRAPHY TEST	Iron castings	Microstructure Examination	BS EN ISO 945-1
423	MECHANICAL-METALLOGRAPHY TEST	Iron castings	Microstructure Examination	IS 7754



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424	MECHANICAL-METALLOGRAPHY TEST	Metallic and Non-Metallic Materials	Macro/Micro Examination	BS EN ISO 9606-1
425	MECHANICAL-METALLOGRAPHY TEST	Metallic and Non-Metallic Materials	Microstructure Examination	ASM Handbook Vol. 9
426	MECHANICAL-METALLOGRAPHY TEST	Metallic and Non-Metallic Materials	Microstructure Examination, Degree of Banding	ASTM E1268
427	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Average Grain Size by Comparison Method size 1 to 10	ASTM E112
428	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials and Nonmetallic materials	Volume Fraction	ASTM E562, ASTM E1245
429	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials and Products	Macro/Micro Examination	ASTM E3, ASTM E1558, ASTM E407, ASTM E1351, ASTM A800
430	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials and Products	Macro/Micro Examination	UNE CEN ISO/TR 16060
431	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials and Products	Macro/Micro Examination	IS 7739 (Part 1, 2, 3, 4 & 5)
432	MECHANICAL-METALLOGRAPHY TEST	Metals and Alloys	Macro Examination	ASTM E340
433	MECHANICAL-METALLOGRAPHY TEST	Rolled or Forged steel products	Non Metallic Inclusion Rating by Comparison Method	IS 4163 / ISO 4967
434	MECHANICAL-METALLOGRAPHY TEST	Stainless Steels and Related Alloys	Method C (Critical Pitting Temperature Test)	ASTM G48
435	MECHANICAL-METALLOGRAPHY TEST	Stainless Steels and Related Alloys	Method D (Critical Crevice Temperature Test)	ASTM G48



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436	MECHANICAL-METALLOGRAPHY TEST	Stainless Steels and Related Alloys	Method E (Critical Pitting Temperature Test)	ASTM G48
437	MECHANICAL-METALLOGRAPHY TEST	Stainless Steels and Related Alloys	Method F (Critical Crevice Temperature Test)	ASTM G48
438	MECHANICAL-METALLOGRAPHY TEST	Stainless Steels and Related Alloys	Method A (Ferric chloride pitting test)	ASTM G48
439	MECHANICAL-METALLOGRAPHY TEST	Stainless Steels and Related Alloys	Method B (Ferric chloride cervice Test)	ASTM G48
440	MECHANICAL-METALLOGRAPHY TEST	Stainless steels Austenitic and ferritic-austenitic (duplex) stainless steels	IGC Test (Method A, B & C)	BS EN ISO 3651-2
441	MECHANICAL-METALLOGRAPHY TEST	Stainless steels Austenitic and ferritic-austenitic (duplex) stainless steels	IGC Test, Huey test	BS EN ISO 3651-1
442	MECHANICAL-METALLOGRAPHY TEST	Steel	Average Grain Size by Comparison Method	IS 4748 / ISO 643
443	MECHANICAL-METALLOGRAPHY TEST	Steel	Non Metallic Inclusion Rating by Comparison Method	ASTM E45
444	MECHANICAL-METALLOGRAPHY TEST	Steel	Non Metallic Inclusion Rating by Comparison Method	SEP 1572
445	MECHANICAL-METALLOGRAPHY TEST	Steel	Case depth measurement by micro hardness method	IS 6416
446	MECHANICAL-METALLOGRAPHY TEST	Steel	Case depth measurement by Microscopic Method	BS EN ISO 18203
447	MECHANICAL-METALLOGRAPHY TEST	Steel	Depth of Decarburisation	IS 6396



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448	MECHANICAL-METALLOGRAPHY TEST	Steel	Macro / Micro Examination	ISO 4969
449	MECHANICAL-METALLOGRAPHY TEST	Steel Bars, Billets, Blooms and Forgings	Macro Examination	ASTM E381
450	MECHANICAL-METALLOGRAPHY TEST	Steel Specimens	Depth of Decarburisation	ASTM E1077
451	MECHANICAL-METALLOGRAPHY TEST	Welds and Welded joints in Aluminum and Al Alloys	Macro/Micro Examination	AWS D1.2/D1.2M
452	MECHANICAL-METALLOGRAPHY TEST	Welds and Welded joints in Aluminum and Al Alloys	Macro/Micro Examination	IS 7273
453	MECHANICAL-METALLOGRAPHY TEST	Welds and welded joints in Ferrous materials, alloys & products	Macro/Micro Examination	AWS D1.1/D1.1M
454	MECHANICAL-METALLOGRAPHY TEST	Welds and welded joints in Ferrous materials, alloys & products	Macro & Micro Examination Test	IS 3600 (Part 9) / ISO 17639
455	MECHANICAL-METALLOGRAPHY TEST	Welds and welded joints in Ferrous materials, alloys & products	Macro Examination	IS 7310 (Part 1) / ISO 9606-1
456	MECHANICAL-METALLOGRAPHY TEST	Welds and welded joints in Ferrous materials, alloys & products	Macro Examination	IS 7318 (Part 1)
457	MECHANICAL-METALLOGRAPHY TEST	Welds and Welded joints in Metallic Materials	Macro Examination	BS EN ISO 15614-8
458	MECHANICAL-METALLOGRAPHY TEST	Welds and Welded joints in Metallic Materials	Macro, Micro, Visual Examination, Weld Penetration, Weld Measurement, Porosity	ASME BPVC Section IX



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459	MECHANICAL- METALLOGRAPHY TEST	Welds and Welded joints in Metallic Materials	Macro, Micro, Visual Examination, Weld Penetration, Weld Measurement, Porosity	BS EN ISO 6520-1
460	MECHANICAL- METALLOGRAPHY TEST	Welds and Welded joints in Metallic Materials	Macroscopic & Microscopic examination of Welds	BS EN ISO 5817
461	MECHANICAL- METALLOGRAPHY TEST	Welds and Welded joints in Metallic Materials	Macro Examination	IS 7307 (Part 1)
462	MECHANICAL- METALLOGRAPHY TEST	Wrought Aluminium and Aluminium Alloy Products	Macro Examination	IS 12573
463	MECHANICAL- METALLOGRAPHY TEST	Wrought Steel Products	Macro Examination	IS 11371
464	MECHANICAL- METALLOGRAPHY TEST	Wrought, Nickel-Rich, Chromium-Bearing Alloys	IGC Method A (Ferric Sulfate - Sulfuric acid test)	ASTM G28
465	MECHANICAL- METALLOGRAPHY TEST	Wrought, Nickel-Rich, Chromium-Bearing Alloys	IGC Method B (Mixed acid - Oxidizing salt test)	ASTM G28
466	MECHANICAL- SOIL AND ROCKS	Rock	Compressive Strength (UCS)	IS 9143
467	MECHANICAL- SOIL AND ROCKS	Soil	California Bearing Ratio (CBR)	IS 2720 (Part 16)
468	MECHANICAL- SOIL AND ROCKS	Soil	Direct Shear Test (DST) Angle of internal friction	IS 2720 (Part 13)
469	MECHANICAL- SOIL AND ROCKS	Soil	Direct Shear Test (DST) Cohesion	IS 2720 (Part 13)
470	MECHANICAL- SOIL AND ROCKS	Soil	Light compaction - MDD	IS 2720 (Part 7)
471	MECHANICAL- SOIL AND ROCKS	Soil	Light compaction- OMC	IS 2720 (Part 7)



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472	MECHANICAL- SOIL AND ROCKS	Soil	Shrinkage Limit	IS 2720 (Part 6)
473	MECHANICAL- SOIL AND ROCKS	Soil	Sieve analysis (0.015 to 125 mm sieve size)	IS 2720 (Part 4)
474	MECHANICAL- SOIL AND ROCKS	Soil	Specific gravity	IS 2720 (Part 3/Sec-1)
475	MECHANICAL- SOIL AND ROCKS	Soil & Rock	Electrical Resistivity by Wenner's Four Electrode method (ERT)	IS 3043
476	MECHANICAL- SOIL AND ROCKS	Soil, Clays	Free Swell Index (FSI)	IS 2720 (Part 40)
477	MECHANICAL- SOIL AND ROCKS	Soil, Clays, GSB, WMM	Heavy compaction - OMC	IS 2720 (Part 8)
478	MECHANICAL- SOIL AND ROCKS	Soil, Clays, GSB, WMM	Heavy compaction, MDD	IS 2720 (Part 8)
479	MECHANICAL- SOIL AND ROCKS	Soil, Clays, GSB, WMM	Water content	IS 2720 (Part 2)
480	MECHANICAL- SOIL AND ROCKS	Soil, Clays, GSB, WMM, Bentonite	Liquid Limit	IS 2720 (Part 5)
481	MECHANICAL- SOIL AND ROCKS	Soil, Clays, GSB, WMM, Bentonite	Plastic Limit	IS 2720 (Part 5)
482	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Hardened Concrete/ Reinforced concrete	Carbonation depth	BS 1881 (Part-201)



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Site Testing				
1	MECHANICAL- SOIL AND ROCKS	Soil & Rock	Electrical Resistivity by Wenner's Four Electrode method (ERT)	IS 3043
2	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Hardened Concrete/ Reinforced concrete	Rebound hammer test	IS:13311 (Part-2)
3	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Hardened Concrete/ Reinforced concrete	Carbonation depth	BS 1881 (Part-201)
4	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Hardened Concrete/ Reinforced concrete	Ultrasonic pulse velocity test	IS: 516 (Part 5 / Sec 1)
5	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete	Half Cell Potential test	ASTM C 876-19
6	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Crack Depth measurement by UPV Machine	IS 516 (Part 5/ Sec 1)