National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SD TESTING & CALIBRATION LABORATORY, CS-1/5, LOWER GROUND & TOP FLOOR, GYAN KHAND- 3, INDRAPURAM, GHAZIABAD, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

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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 Facility				
1	CHEMICAL- CORROSION TESTS	Painted & Coated metals	Salt Spray Test	ASTM B117
2	CHEMICAL- CORROSION TESTS	Painted & Coated Product	Neutral Salt Spray Test	ISO 9227
3	CHEMICAL- CORROSION TESTS	Painted & Coated Product	Salt Spray Test	IS 9844
4	CHEMICAL- CORROSION TESTS	Painted & Coated Product	Salt Spray Test	JIS Z 2371
5	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Metal Coated Sheet, Wire, Rod, Tube Products & Components	Adhesion Test (Hammer Test/Knife Test)	IS 2629
6	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Metal Coated Sheet, Wire, Rod, Tube Products & Components	Phosphate Coating	IS 3618
7	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Metal Coated Sheet, Wire, Rod, Tube Products & Components	Uniformity Test	IS 2633
8	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Metal Coated Sheet, Wire, Rod, Tube Products & Components	Zinc Mass Coating	IS 6745
9	CHEMICAL- METALS & ALLOYS	Alloy Steel & Carbon Steel	Aluminium	ASTM E415
10	CHEMICAL- METALS & ALLOYS	Alloy Steel & Carbon Steel	Aluminium	IS 8811
11	CHEMICAL- METALS & ALLOYS	Alloy Steel & Carbon Steel	Aluminium	JIS G 1253
12	CHEMICAL- METALS & ALLOYS	Alloy Steel & Carbon Steel	Boron	ASTM E415
13	CHEMICAL- METALS & ALLOYS	Alloy Steel & Carbon Steel	Boron	IS 8811
14	CHEMICAL- METALS & ALLOYS	Alloy Steel & Carbon Steel	Boron	JIS G 1253
15	CHEMICAL- METALS & ALLOYS	Alloy Steel & Carbon Steel	Carbon	ASTM E415
16	CHEMICAL- METALS & ALLOYS	Alloy Steel & Carbon Steel	Carbon	IS 8811
17	CHEMICAL- METALS & ALLOYS	Alloy Steel & Carbon Steel	Carbon	JIS G 1253

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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
18	CHEMICAL- METALS & ALLOYS	Alloy Steel & Carbon Steel	Chromium	ASTM E415
19	CHEMICAL- METALS & ALLOYS	Alloy Steel & Carbon Steel	Chromium	IS 8811
20	CHEMICAL- METALS & ALLOYS	Alloy Steel & Carbon Steel	Chromium	JIS G 1253
21	CHEMICAL- METALS & ALLOYS	Alloy Steel & Carbon Steel	Copper	ASTM E415
22	CHEMICAL- METALS & ALLOYS	Alloy Steel & Carbon Steel	Copper	IS 8811
23	CHEMICAL- METALS & ALLOYS	Alloy Steel & Carbon Steel	Copper	JIS G 1253
24	CHEMICAL- METALS & ALLOYS	Alloy Steel & Carbon Steel	Manganese	ASTM E415
25	CHEMICAL- METALS & ALLOYS	Alloy Steel & Carbon Steel	Manganese	IS 8811
26	CHEMICAL- METALS & ALLOYS	Alloy Steel & Carbon Steel	Manganese	JIS G 1253
27	CHEMICAL- METALS & ALLOYS	Alloy Steel & Carbon Steel	Molybdenum	ASTM E415
28	CHEMICAL- METALS & ALLOYS	Alloy Steel & Carbon Steel	Molybdenum	IS 8811
29	CHEMICAL- METALS & ALLOYS	Alloy Steel & Carbon Steel	Molybdenum	JIS G 1253
30	CHEMICAL- METALS & ALLOYS	Alloy Steel & Carbon Steel	Nickel	ASTM E415
31	CHEMICAL- METALS & ALLOYS	Alloy Steel & Carbon Steel	Nickel	IS 8811
32	CHEMICAL- METALS & ALLOYS	Alloy Steel & Carbon Steel	Nickel	JIS G 1253
33	CHEMICAL- METALS & ALLOYS	Alloy Steel & Carbon Steel	Niobium	ASTM E415
34	CHEMICAL- METALS & ALLOYS	Alloy Steel & Carbon Steel	Niobium	IS 8811
35	CHEMICAL- METALS & ALLOYS	Alloy Steel & Carbon Steel	Niobium	JIS G 1253
36	CHEMICAL- METALS & ALLOYS	Alloy Steel & Carbon Steel	Nitrogen	ASTM E415

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37	CHEMICAL- METALS & ALLOYS	Alloy Steel & Carbon Steel	Nitrogen	JIS G 1253
38	CHEMICAL- METALS & ALLOYS	Alloy Steel & Carbon Steel	Phosphorous	ASTM E415
39	CHEMICAL- METALS & ALLOYS	Alloy Steel & Carbon Steel	Phosphorous	IS 8811
40	CHEMICAL- METALS & ALLOYS	Alloy Steel & Carbon Steel	Phosphorous	JIS G 1253
41	CHEMICAL- METALS & ALLOYS	Alloy Steel & Carbon Steel	Silicon	ASTM E415
42	CHEMICAL- METALS & ALLOYS	Alloy Steel & Carbon Steel	Silicon	IS 8811
43	CHEMICAL- METALS & ALLOYS	Alloy Steel & Carbon Steel	Silicon	JIS G 1253
44	CHEMICAL- METALS & ALLOYS	Alloy Steel & Carbon Steel	Sulphur	ASTM E415
45	CHEMICAL- METALS & ALLOYS	Alloy Steel & Carbon Steel	Sulphur	IS 8811
46	CHEMICAL- METALS & ALLOYS	Alloy Steel & Carbon Steel	Sulphur	JIS G 1253
47	CHEMICAL- METALS & ALLOYS	Alloy Steel & Carbon Steel	Tin	ASTM E415
48	CHEMICAL- METALS & ALLOYS	Alloy Steel & Carbon Steel	Tin	IS 8811
49	CHEMICAL- METALS & ALLOYS	Alloy Steel & Carbon Steel	Tin	JIS G 1253
50	CHEMICAL- METALS & ALLOYS	Alloy Steel & Carbon Steel	Titanium	ASTM E415
51	CHEMICAL- METALS & ALLOYS	Alloy Steel & Carbon Steel	Titanium	IS 8811
52	CHEMICAL- METALS & ALLOYS	Alloy Steel & Carbon Steel	Titanium	JIS G 1253
53	CHEMICAL- METALS & ALLOYS	Alloy Steel & Carbon Steel	Vanadium	ASTM E415
54	CHEMICAL- METALS & ALLOYS	Alloy steel & Carbon steel	Vanadium	IS 8811
55	CHEMICAL- METALS & ALLOYS	Alloy Steel & Carbon Steel	Vanadium	JIS G 1253

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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
56	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Chromium	ASTM E1251
57	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Copper	ASTM E1251
58	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Iron	ASTM E1251
59	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Lead	ASTM E1251
60	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Magnesium	ASTM E1251
61	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Manganese	ASTM E1251
62	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Nickel	ASTM E1251
63	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Silicon	ASTM E1251
64	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Tin	ASTM E1251
65	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Titanium	ASTM E1251
66	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Zinc	ASTM E1251
67	CHEMICAL- METALS & ALLOYS	Copper & its Alloys	Aluminium	BS EN 15079
68	CHEMICAL- METALS & ALLOYS	Copper & its Alloys	Antimony	BS EN 15079
69	CHEMICAL- METALS & ALLOYS	Copper & its Alloys	Iron	BS EN 15079
70	CHEMICAL- METALS & ALLOYS	Copper & its Alloys	Lead	BS EN 15079
71	CHEMICAL- METALS & ALLOYS	Copper & its Alloys	Manganese	BS EN 15079
72	CHEMICAL- METALS & ALLOYS	Copper & its Alloys	Nickel	BS EN 15079
73	CHEMICAL- METALS & ALLOYS	Copper & its Alloys	Phosphorus	BS EN 15079
74	CHEMICAL- METALS & ALLOYS	Copper & its Alloys	Silicon	BS EN 15079

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75	CHEMICAL- METALS & ALLOYS	Copper & its Alloys	Tin	BS EN 15079
76	CHEMICAL- METALS & ALLOYS	Copper & its Alloys	Zinc	BS EN 15079
77	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Carbon	ASTM E3047
78	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Chromium	ASTM E3047
79	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Cobalt	ASTM E3047
80	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Copper	ASTM E3047
81	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Iron	ASTM E3047
82	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Manganese	ASTM E3047
83	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Molybdenum	ASTM E3047
84	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Niobium	ASTM E3047
85	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Phosphorous	ASTM E3047
86	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Silicon	ASTM E3047
87	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Titanium	ASTM E3047
88	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Vanadium	ASTM E3047
89	CHEMICAL- METALS & ALLOYS	Stainless Steel	Boron	JIS G 1253
90	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM E1086
91	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS 9879
92	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	JIS G 1253
93	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E1086

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94	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 9879
95	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	JIS G 1253
96	CHEMICAL- METALS & ALLOYS	Stainless Steel	Cobalt	JIS G 1253
97	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	JIS G 1253
98	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E1086
99	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS 9879
100	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	JIS G 1253
101	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E1086
102	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	IS 9879
103	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	JIS G 1253
104	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E1086
105	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 9879
106	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	JIS G 1253
107	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nitrogen	IS 228 (Part 23)
108	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nitrogen	JIS G 1253
109	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	ASTM E1086
110	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	IS 9879
111	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	JIS G 1253
112	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E1086

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113	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	IS 9879
114	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	JIS G 1253
115	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	ASTM E1086
116	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	IS 9879
117	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	JIS G 1253
118	CHEMICAL- METALS & ALLOYS	Stainless Steel	Titanium	JIS G 1253
119	CHEMICAL- METALS & ALLOYS	Stainless Steel	Vanadium	JIS G 1253
120	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Al & Al Alloy, Cu & Cu Alloy (Sheet, Plate, Wire, Rod, Bar)	Bend Test	IS 1599
121	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Al & Al Alloy, Cu & Cu Alloy	Brinell Hardness Test	ASTM E10
122	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Al & Al Alloy, Cu & Cu Alloy	Brinell Hardness Test	IS 1500 (Part 1)
123	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Al & Al Alloy, Cu & Cu Alloy	Rockwell Hardness (HRBW)	ASTM E18
124	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Al & Al Alloy, Cu & Cu Alloy	Rockwell Hardness (HRBW)	IS 1586 (Part 1)
125	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Al & Al Alloy, Cu & Cu Alloy	Rockwell Hardness (HRC)	ASTM E18
126	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Al & Al Alloy, Cu & Cu Alloy	Rockwell Hardness (HRC)	IS 1586 (Part 1)
127	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Al & Al Alloy, Cu & Cu Alloy	Vicker Hardness (HV0.3)	ASTM E384

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128	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Al & Al Alloy, Cu & Cu Alloy	Vicker Hardness (HV0.3)	IS 1501 (Part 1)
129	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Al & Al Alloy, Cu & Cu Alloy	Vicker Hardness (HV1)	ASTM E384
130	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Al & Al Alloy, Cu & Cu Alloy	Vicker Hardness (HV1)	IS 1501 (Part 1)
131	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Al & Al Alloy, Cu & Cu Alloy	Vicker Hardness (HV10)	ASTM E92
132	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Al & Al Alloy, Cu & Cu Alloy	Vicker Hardness (HV10)	IS 1501 (Part 1)
133	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Al & Al Alloy, Cu & Cu Alloy	Vicker Hardness (HV5)	ASTM E92
134	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Al & Al Alloy, Cu & Cu Alloy	Vicker Hardness (HV5)	IS 1501 (Part 1)
135	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Al & Al Alloy, Cu & Cu Alloy (Pipe & Tube)	Flattening Test	IS 2328
136	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Al & Al Alloy, Cu & Cu Alloy (Sheet, Plate, Wire, Rod, Bar)	% Elongation	ASTM E8/E8M
137	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Al & Al Alloy, Cu & Cu Alloy (Sheet, Plate, Wire, Rod, Bar)	% Elongation	IS 1608 (Part 1)
138	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Al & Al Alloy, Cu & Cu Alloy (Sheet, Plate, Wire, Rod, Bar)	0.2% Proof Stress	ASTM E8/E8M
139	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Al & Al Alloy, Cu & Cu Alloy (Sheet, Plate, Wire, Rod, Bar)	0.2% Proof Stress	IS 1608 (Part 1)
140	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Al & Al Alloy, Cu & Cu Alloy (Sheet, Plate, Wire, Rod, Bar)	Bend Test	ASTM E290
141	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Al & Al Alloy, Cu & Cu Alloy (Sheet, Plate, Wire, Rod, Bar)	Reduction of Area	ASTM E8/E8M

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142	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Al & Al Alloy, Cu & Cu Alloy (Sheet, Plate, Wire, Rod, Bar)	Reduction of Area	IS 1608 (Part 1)
143	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Al & Al Alloy, Cu & Cu Alloy (Sheet, Plate, Wire, Rod, Bar)	Tensile Strength	ASTM E8/E8M
144	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Al & Al Alloy, Cu & Cu Alloy (Sheet, Plate, Wire, Rod, Bar)	Tensile Strength	IS 1608 (Part 1)
145	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Al & Al Alloy, Cu & Cu Alloy (Sheet, Plate, Wire, Rod, Bar)	Yield Stress	ASTM E8/E8M
146	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Al & Al Alloy, Cu & Cu Alloy (Sheet, Plate, Wire, Rod, Bar)	Yield Stress	IS 1608 (Part 1)
147	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nickel Materials, Alloys & Product	Brinell Hardness	ASTM E10
148	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nickel Materials, Alloys & Product	Brinell Hardness	IS 1500 (Part 1)
149	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nickel Materials, Alloys & Product	Brinell Hardness	ISO 6507-1
150	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nickel Materials, Alloys & Product	Micro Vicker Hardness (HV0.3)	ASTM E384
151	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nickel Materials, Alloys & Product	Micro Vicker Hardness (HV0.3)	IS 1501 (Part 1)
152	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nickel Materials, Alloys & Product	Micro Vicker Hardness (HV1)	ASTM E384
153	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nickel Materials, Alloys & Product	Micro Vicker Hardness (HV1)	IS 1501 (Part 1)
154	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nickel Materials, Alloys & Product	Rockwell Hardness (HRB)	ASTM E18
155	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nickel Materials, Alloys & Product	Rockwell Hardness (HRBW)	IS 1586 (Part 1)

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156	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nickel Materials, Alloys & Product	Rockwell Hardness (HRBW)	ISO 6508-1
157	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nickel Materials, Alloys & Product	Rockwell Hardness (HRC)	ASTM E18
158	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nickel Materials, Alloys & Product	Rockwell Hardness (HRC)	IS 1586 (Part 1)
159	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nickel Materials, Alloys & Product	Rockwell Hardness (HRC)	ISO 6508-1
160	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nickel Materials, Alloys & Product	Tensile Strength	ASTM E8
161	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nickel Materials, Alloys & Product	Tensile Strength	IS 1608 (Part 1)
162	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nickel Materials, Alloys & Product	Tensile Strength	ISO 6892-1
163	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nickel Materials, Alloys & Product	U-Notch Charpy Impact Test	ASTM E23
164	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nickel Materials, Alloys & Product	U-Notch Charpy Impact Test	IS 1499
165	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nickel Materials, Alloys & Product	U-Notch Charpy Impact Test	IS 1757-1
166	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nickel Materials, Alloys & Product	U-Notch Charpy Impact Test	ISO 148-1
167	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nickel Materials, Alloys & Product	Vicker Hardness (HV10)	ASTM E92
168	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nickel Materials, Alloys & Product	Vicker Hardness (HV10)	IS 1501 (Part 1)
169	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nickel Materials, Alloys & Product	Vicker Hardness (HV10)	ISO 6507-1

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170	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nickel Materials, Alloys & Product	Vicker Hardness (HV5)	ASTM E92
171	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nickel Materials, Alloys & Product	Vicker Hardness (HV5)	IS 1501 (Part 1)
172	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nickel Materials, Alloys & Product	Vicker Hardness (HV5)	ISO 6507-1
173	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nickel Materials, Alloys & Product	V-Notch Charpy Impact Test (Up to -196°C)	ASTM E23
174	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nickel Materials, Alloys & Product	V-Notch Charpy Impact Test (Up to -196°C)	IS 1757 (Part 1)
175	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nickel Materials, Alloys & Product	V-Notch Charpy Impact Test (Up to -196°C)	ISO 148-1
176	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nickel Materials, Alloys & Product	V-Notch Izod Test	IS 1598
177	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nickel Materials, Alloys & Product	Yield Stress	ASTM E8
178	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nickel Materials, Alloys & Product	Yield Stress	IS 1608 (Part 1)
179	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nickel Materials, Alloys & Product	Yield Stress	ISO 6892-1
180	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nickel Materials, Alloys & Product (Sheet, Plate, Wire, Rod, Billet, Bloom, Slab)	% Elongation	ASTM E8
181	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nickel Materials, Alloys & Product (Sheet, Plate, Wire, Rod, Billet, Bloom, Slab)	% Elongation	IS 1608 (Part 1)
182	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nickel Materials, Alloys & Product (Sheet, Plate, Wire, Rod, Billet, Bloom, Slab)	% Elongation	ISO 6892-1
183	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nickel Materials, Alloys & Product (Sheet, Plate, Wire, Rod, Billet, Bloom, Slab)	% Reduction Area	ASTM E8

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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
184	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nickel Materials, Alloys & Product (Sheet, Plate, Wire, Rod, Billet, Bloom, Slab)	% Reduction Area	IS 1608 (Part 1)
185	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nickel Materials, Alloys & Product (Sheet, Plate, Wire, Rod, Billet, Bloom, Slab)	% Reduction Area	ISO 6892-1
186	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nickel Materials, Alloys & Product (Sheet, Plate, Wire, Rod, Billet, Bloom, Slab)	0.2% / 0.5% Proof Stress	ASTM E8
187	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nickel Materials, Alloys & Product (Sheet, Plate, Wire, Rod, Billet, Bloom, Slab)	0.2% / 0.5% Proof Stress	IS 1608 (Part 1)
188	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nickel Materials, Alloys & Product (Sheet, Plate, Wire, Rod, Billet, Bloom, Slab)	0.2% / 0.5% Proof Stress	ISO 6892-1
189	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nickel Materials, Alloys & Product (Sheet, Plate, Wire, Rod, Billet, Bloom, Slab)	Bend Test	ASTM E290
190	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nickel Materials, Alloys & Product (Sheet, Plate, Wire, Rod, Billet, Bloom, Slab)	Bend Test	IS 1599
191	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nickel Materials, Alloys & Product (Tubes & Pipes)	Flattening Test	ASTM A530
192	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nickel Materials, Alloys & Product (Tubes & Pipes)	Flattening Test	IS 2328
193	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Alloys & Product	Lateral Expansion	ASTM A370
194	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material, Alloys & Products	Case Depth (Hardness Measurement Method)	IS 6416
195	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material, Alloys & Products	Shear Fracture %	ASTM A370
196	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material, Alloys & Products	Tensile Strength	ASTM A370
197	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material, Alloys & Products	Yield Stress	ASTM A370

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198	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material, Alloys & Products (Bolts)	Proof Load Test (Fasteners)	ISO 898-1
199	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material, Alloys & Products (Fasteners - Bolt)	% Elongation	IS 1367 (Part 3)
200	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material, Alloys & Products (Fasteners - Bolt)	% Elongation	ISO 898-1
201	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material, Alloys & Products (Fasteners)	Tensile Strength	IS 1367 (Part 3)
202	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material, Alloys & Products (Fasteners)	Tensile Strength	ISO 898-1
203	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material, Alloys & Products (Fasteners)	Yield Stress	IS 1367 (Part 3)
204	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material, Alloys & Products (Fasteners)	Yield Stress	ISO 898-1
205	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Product (Fasteners)	% Reduction Area	IS 1367 (Part 3)
206	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Product (Fasteners)	% Reduction Area	ISO 898-1
207	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Product (Fasteners, Bolts, Nuts)	Proof Load Test (Fasteners)	IS 1367 (Part 3 & 6)
208	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Product (Nuts)	Proof Load Test (Fasteners)	ISO 898-2
209	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Product (Sheet, Plate, Wire, Rod, Billet, Bloom, Slab)	0.2% / 0.5% Proof Stress	ASTM A370
210	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Product (Sheet, Plate, Wire, Rod, Billet, Bloom, Slab)	Bend Test	ASTM A370
211	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Weld Specimen	Vicker Hardness (HV10)	BS EN ISO 9015-1

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212	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Weld Specimen	Vicker's Hardness (HV5)	BS EN ISO 9015-1
213	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Plate/ Pipe/ Rod	Fracture Test	ASME Section IX
214	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Plate/ Pipe/ Rod	Fracture Test	BS EN ISO 9017
215	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Plate/ Pipe/ Rod	Fracture Test	IS 7307 (Part 1)
216	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Plate/ Pipe/ Rod	Nick Break	API 1104
217	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Plate/ Pipe/ Rod	Nick Break	IS 2825
218	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Plate/ Pipe/ Rod	Transverse Tensile Strength	IS 7307 (Part 1)
219	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Plate/ Pipe/ Rod	Welded Guided Face, Root & Side Bend	API 1104
220	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Plate/ Pipe/ Rod	Welded Guided Face, Root & Side Bend	ASME Section IX
221	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Plate/ Pipe/ Rod	Welded Guided Face, Root & Side Bend	AWS B4.0
222	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Plate/ Pipe/ Rod	Welded Guided Face, Root & Side Bend	BS EN ISO 5173
223	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Plate/ Pipe/ Rod	Welded Guided Face, Root & Side Bend	IS 7307 (Part 1)
224	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Plate/ Pipe/ Rod	Yield Stress	ASME Section IX
225	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Transverse Tensile Strength	API 1104

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226	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Transverse Tensile Strength	ASME Section IX
227	MECHANICAL-METALLOGRAPHY TEST	Cast Iron	Micro Structure Test	ASTM A247
228	MECHANICAL-METALLOGRAPHY TEST	Cast Iron	Micro Structure Test	IS 7754
229	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material, Alloys & Products	Case Depth (Microscopic Method)	IS 6416
230	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material, Alloys & Products	Decarburization Depth by Microscopic Method (Steel Products)	IS 6396
231	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material, Alloys & Products	Grain Size Number (Comparison Method)	ASTM E112
232	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material, Alloys & Products	Grain Size Number (Comparison Method)	IS 4748
233	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material, Alloys & Products	Grain Size Number (Comparison Method)	ISO 643
234	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material, Alloys & Products	Hydrogen Induced Cracking Test	NACE TM 0284
235	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material, Alloys & Products	Inclusion Rating (Steel Products)	ASTM E45
236	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material, Alloys & Products	Inclusion Rating (Steel Products)	IS 4163
237	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material, Alloys & Products	Macro Etch Test	ASM Volume 9
238	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material, Alloys & Products	Macro Etch Test	ASTM E381
239	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material, Alloys & Products	Macro Etch Test	IS 13015
240	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material, Alloys & Products	Micro Structure	ASM Handbook Volume 9
241	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material, Alloys & Products	Plating Thickness on Ferrous Metal	ASTM B487
242	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material, Alloys & Products	Sulfide Stress Corrosion Crack Test - Method A	NACE TM 0177
243	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material, Alloys & Products	Volume Fraction, %	ASTM E562

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244	MECHANICAL-METALLOGRAPHY TEST	Nickel Materials, Alloys & Product	IGC Test (Practice A/ Practice B)	ASTM G-28-2
245	MECHANICAL-METALLOGRAPHY TEST	Non-Ferrous Materials, Alloys & Product	Plating Thickness on Non-ferrous Metal	ASTM B487
246	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel Materials & Product	Crevice Corrosion Test (Method B)	ASTM G48
247	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel Materials & Product	IGC (Intergranular Corrosion Test)	ISO 3651-1
248	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel Materials & Product	IGC (Intergranular Corrosion Test)	ISO 3651-2
249	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel Materials & Product	IGC (Intergranular Corrosion test) Practice-A	ASTM A262
250	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel Materials & Product	IGC (Intergranular Corrosion Test) Practice-B	ASTM A262
251	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel Materials & Product	IGC (Intergranular Corrosion test) Practice-C	ASTM A262
252	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel Materials & Product	IGC (Intergranular Corrosion Test) Practice-E	ASTM A262
253	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel Materials & Product	Pitting Corrosion Test (Method - C)	ASTM A923
254	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel Materials & Product	Pitting Corrosion Test (Method A)	ASTM G48
255	MECHANICAL-METALLOGRAPHY TEST	Welds & Welded Test Specimens	Macro Examination	API 1104
256	MECHANICAL-METALLOGRAPHY TEST	Welds & Welded Test Specimens	Macro Examination	ASME Section IX
257	MECHANICAL-METALLOGRAPHY TEST	Welds & Welded Test Specimens	Macro Examination	AWS D 1.1
258	MECHANICAL-METALLOGRAPHY TEST	Welds & Welded Test Specimens	Macro Examination	BS EN ISO 17639
259	MECHANICAL-METALLOGRAPHY TEST	Welds & Welded Test Specimens	Macro Examination	IS 2825
260	MECHANICAL-METALLOGRAPHY TEST	Welds & Welded Test Specimens	Macro Examination	IS 7307 (Part 1)