National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ASIAN TESTING AND INSPECTION SERVICES, UNIT NO. 02 & 03, NEVALI NAKA, AMBARNATH MIDC ROAD, KALYAN EAST, THANE, MAHARASHTRA, 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- METALS & ALLOYS	Aluminium Base & Alloy Steels	Chromium	ASTM E1251
2	CHEMICAL- METALS & ALLOYS	Aluminium Base & Alloy Steels	Copper	ASTM E1251
3	CHEMICAL- METALS & ALLOYS	Aluminium Base & Alloy Steels	Iron	ASTM E1251
4	CHEMICAL- METALS & ALLOYS	Aluminium Base & Alloy Steels	Lead	ASTM E1251
5	CHEMICAL- METALS & ALLOYS	Aluminium Base & Alloy Steels	Magnesium	ASTM E1251
6	CHEMICAL- METALS & ALLOYS	Aluminium Base & Alloy Steels	Manganese	ASTM E1251
7	CHEMICAL- METALS & ALLOYS	Aluminium Base & Alloy Steels	Nickel	ASTM E1251
8	CHEMICAL- METALS & ALLOYS	Aluminium Base & Alloy Steels	Silicon	ASTM E1251
9	CHEMICAL- METALS & ALLOYS	Aluminium Base & Alloy Steels	Tin	ASTM E1251
10	CHEMICAL- METALS & ALLOYS	Aluminium Base & Alloy Steels	Titanium	ASTM E1251
11	CHEMICAL- METALS & ALLOYS	Aluminium Base & Alloy Steels	Zinc	ASTM E1251
12	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Aluminium	ASTM E 415
13	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Aluminium	IS 8811
14	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Aluminium	JIS G 1253
15	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Boron	ASTM E 415
16	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Boron	JIS G 1253
17	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Carbon	ASTM E 415
18	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Carbon	IS 8811

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19	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Carbon	JIS G 1253
20	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Chromium	ASTM E 415
21	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Chromium	IS 8811
22	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Chromium	JIS G 1253
23	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Cobalt	ASTM E 415
24	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Cobalt	IS 8811
25	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Cobalt	JIS G 1253
26	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Copper	ASTM E 415
27	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Copper	IS 8811
28	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Copper	JIS G 1253
29	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Manganese	ASTM E 415
30	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Manganese	IS 8811
31	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Manganese	JIS G 1253
32	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Molybdenum	ASTM E 415
33	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Molybdenum	IS 8811
34	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Molybdenum	JIS G 1253
35	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Nickel	ASTM E 415
36	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Nickel	IS 8811
37	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Nickel	JIS G 1253

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38	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Niobium	ASTM E 415
39	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Niobium	IS 8811
40	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Niobium	JIS G 1253
41	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Nitrogen	ASTM E 415
42	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Nitrogen	JIS G 1253
43	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Phosphorous	ASTM E 415
44	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Phosphorous	IS 8811
45	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Phosphorous	JIS G 1253
46	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Silicon	ASTM E 415
47	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Silicon	IS 8811
48	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Silicon	JIS G 1253
49	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Sulphur	ASTM E 415
50	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Sulphur	IS 8811
51	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Sulphur	JIS G 1253
52	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Titanium	ASTM E 415
53	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Titanium	IS 8811
54	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Titanium	JIS G 1253
55	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Tungsten	JIS G 1253
56	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Vanadium	ASTM E 415

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57	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Vanadium	IS 8811
58	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Vanadium	JIS G 1253
59	CHEMICAL- METALS & ALLOYS	Copper Base (Copper Zinc Alloy)	Antimony	BS EN 15079/ Table A2
60	CHEMICAL- METALS & ALLOYS	Copper Base (Copper Zinc Alloy)	Iron	BS EN 15079/ Table A2
61	CHEMICAL- METALS & ALLOYS	Copper Base (Copper Zinc Alloy)	Lead	BS EN 15079/ Table A2
62	CHEMICAL- METALS & ALLOYS	Copper Base (Copper Zinc Alloy)	Nickel	BS EN 15079/ Table A2
63	CHEMICAL- METALS & ALLOYS	Copper Base (Copper Zinc Alloy)	Phosphorus	BS EN 15079/ Table A2
64	CHEMICAL- METALS & ALLOYS	Copper Base (Copper Zinc Alloy)	Silver	BS EN 15079/ Table A2
65	CHEMICAL- METALS & ALLOYS	Copper Base (Copper Zinc Alloy)	Tin	BS EN 15079/ Table A2
66	CHEMICAL- METALS & ALLOYS	Copper Base (Copper Zinc Alloy)	Zinc	BS EN 15079/ Table A2
67	CHEMICAL- METALS & ALLOYS	Copper Base (Cu-Ni Cu-Sn Cu-Al, Cu-Zn-Ni Alloy)	Aluminium	BS EN 15079/ Table A3
68	CHEMICAL- METALS & ALLOYS	Copper Base (Cu-Ni Cu-Sn Cu-Al, Cu-Zn-Ni Alloy)	Antimony	BS EN 15079/ Table A3
69	CHEMICAL- METALS & ALLOYS	Copper Base (Cu-Ni Cu-Sn Cu-Al, Cu-Zn-Ni Alloy)	Arsenic	BS EN 15079/Table A3
70	CHEMICAL- METALS & ALLOYS	Copper Base (Cu-Ni Cu-Sn Cu-Al, Cu-Zn-Ni Alloy)	Bismuth	BS EN 15079/ Table 3
71	CHEMICAL- METALS & ALLOYS	Copper Base (Cu-Ni Cu-Sn Cu-Al, Cu-Zn-Ni Alloy)	Cobalt	BS EN 15079/ Table 3
72	CHEMICAL- METALS & ALLOYS	Copper Base (Cu-Ni Cu-Sn Cu-Al, Cu-Zn-Ni Alloy)	Iron	BS EN 15079/ Table 3
73	CHEMICAL- METALS & ALLOYS	Copper Base (Cu-Ni Cu-Sn Cu-Al, Cu-Zn-Ni Alloy)	Lead	BS EN 15079/Table A3
74	CHEMICAL- METALS & ALLOYS	Copper Base (Cu-Ni Cu-Sn Cu-Al, Cu-Zn-Ni Alloy)	Magnesium	BS EN 15079/ Table A3
75	CHEMICAL- METALS & ALLOYS	Copper Base (Cu-Ni Cu-Sn Cu-Al, Cu-Zn-Ni Alloy)	Manganese	BS EN 15079/Table A3

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76	CHEMICAL- METALS & ALLOYS	Copper Base (Cu-Ni Cu-Sn Cu-Al, Cu-Zn-Ni Alloy)	Nickel	BS EN 15079/ Table A3
77	CHEMICAL- METALS & ALLOYS	Copper Base (Cu-Ni Cu-Sn Cu-Al, Cu-Zn-Ni Alloy)	Phosphorus	BS EN 15079/ Table A3
78	CHEMICAL- METALS & ALLOYS	Copper Base (Cu-Ni Cu-Sn Cu-Al, Cu-Zn-Ni Alloy)	Silicon	BS EN 15079/Table A3
79	CHEMICAL- METALS & ALLOYS	Copper Base (Cu-Ni Cu-Sn Cu-Al, Cu-Zn-Ni Alloy)	Silver	BS EN 15079/Table A3
80	CHEMICAL- METALS & ALLOYS	Copper Base (Cu-Ni Cu-Sn Cu-Al, Cu-Zn-Ni Alloy)	Sulphur	BS EN 15079/Table A3
81	CHEMICAL- METALS & ALLOYS	Copper Base (Cu-Ni Cu-Sn Cu-Al, Cu-Zn-Ni Alloy)	Tin	BS EN 15079/Table A3
82	CHEMICAL- METALS & ALLOYS	Copper Base (Cu-Ni Cu-Sn Cu-Al, Cu-Zn-Ni Alloy)	Zinc	BS EN 15079/Table A3
83	CHEMICAL- METALS & ALLOYS	Copper Base (Pure & Low Alloy Copper)	Arsenic	BS EN 15079/ Table A1
84	CHEMICAL- METALS & ALLOYS	Copper Base (Pure & Low Alloy Copper)	Cobalt	BS EN 15079/ Table A1
85	CHEMICAL- METALS & ALLOYS	Copper Base (Pure & Low Alloy Copper)	Iron	BS EN 15079/ Table A1
86	CHEMICAL- METALS & ALLOYS	Copper Base (Pure & Low Alloy Copper)	Nickel	BS EN 15079
87	CHEMICAL- METALS & ALLOYS	Copper Base (Pure & Low Alloy Copper)	Phosphorus	BS EN 15079/Table A1
88	CHEMICAL- METALS & ALLOYS	Copper Base (Pure & Low Alloy Copper)	Silver	BS EN 15079/Table A1
89	CHEMICAL- METALS & ALLOYS	Nickel Base & Alloys	Aluminium	ASTM E 3047
90	CHEMICAL- METALS & ALLOYS	Nickel Base & Alloys	Boron	ASTM E 3047
91	CHEMICAL- METALS & ALLOYS	Nickel Base & Alloys	Carbon	ASTM E 3047
92	CHEMICAL- METALS & ALLOYS	Nickel Base & Alloys	Chromium	ASTM E 3047
93	CHEMICAL- METALS & ALLOYS	Nickel Base & Alloys	Cobalt	ASTM E 3047
94	CHEMICAL- METALS & ALLOYS	Nickel Base & Alloys	Copper	ASTM E 3047

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95	CHEMICAL- METALS & ALLOYS	Nickel Base & Alloys	Iron	ASTM E 3047
96	CHEMICAL- METALS & ALLOYS	Nickel Base & Alloys	Manganese	ASTM E 3047
97	CHEMICAL- METALS & ALLOYS	Nickel Base & Alloys	Molybdenum	ASTM E 3047
98	CHEMICAL- METALS & ALLOYS	Nickel Base & Alloys	Niobium	ASTM E 3047
99	CHEMICAL- METALS & ALLOYS	Nickel Base & Alloys	Phosphorus	ASTM E 3047
100	CHEMICAL- METALS & ALLOYS	Nickel Base & Alloys	Silicon	ASTM E 3047
101	CHEMICAL- METALS & ALLOYS	Nickel Base & Alloys	Sulphur	ASTM E 3047
102	CHEMICAL- METALS & ALLOYS	Nickel Base & Alloys	Titanium	ASTM E 3047
103	CHEMICAL- METALS & ALLOYS	Nickel Base & Alloys	Tungsten	ASTM E 3047
104	CHEMICAL- METALS & ALLOYS	Nickel Base & Alloys	Vanadium	ASTM E 3047
105	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM E 1086
106	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS 9879
107	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	JIS G 1253
108	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E 1086
109	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 9879
110	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	JIS G 1253
111	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E 1086
112	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	IS 9879
113	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	JIS G 1253

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114	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E 1086
115	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS 9879
116	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	JIS G 1253
117	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E 1086
118	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	IS 9879
119	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	JIS G 1253
120	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E 1086
121	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 9879
122	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	JIS G 1253
123	CHEMICAL- METALS & ALLOYS	Stainless Steel	Niobium	JIS G 1253
124	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nitrogen	JIS G 1253
125	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorous	ASTM E 1086
126	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorous	IS 9879
127	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorous	JIS G 1253
128	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E 1086
129	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	IS 9879
130	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	JIS G 1253
131	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	ASTM E 1086
132	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	IS 9879

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133	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	JIS G 1253
134	CHEMICAL- METALS & ALLOYS	Stainless Steel	Titanium	JIS G 1253
135	CHEMICAL- METALS & ALLOYS	Stainless Steel	Tungsten	JIS G 1253
136	CHEMICAL- METALS & ALLOYS	Titanium	Aluminium	ASTM E2994
137	CHEMICAL- METALS & ALLOYS	Titanium	Iron	ASTM E2994
138	CHEMICAL- METALS & ALLOYS	Titanium	Silicon	ASTM E2994
139	CHEMICAL- METALS & ALLOYS	Titanium	Vanadium	ASTM E2994
140	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper and Copper Alloy (Pipe and Tubing)	Expansion (Pin Test)	ASTM B153
141	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Material	% Elongation	ASTM F606/606M
142	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Material	Nick Break Test	API 1104
143	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Material	Nick Break Test	IS 3600 (Part 8)
144	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Material	Tensile strength	API 1104
145	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Material	Yield Strength	ASTM F606/606M
146	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Material, Fastener Product	Tensile Strength	ASTM F606/606M
147	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Hex Nut (M6 to M39)	Proof Load Test	IS 1367 (Part 6)

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148	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hex Nut (M6 to M39)	Proof Load Test (1 kN to 950 kN)	ASTM A370
149	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hex Nut (M6 to M39)	Proof Load Test (1 kN to 950 kN)	ISO 898 (Part 2)
150	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel Tensile	Bend Test	IS 1599
151	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel Tensile	Mass per Meter	IS 1786
152	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel Tensile	Rebend Test	IS 1786
153	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel Tensile (TMT Bar)	% Elongation	IS 1786
154	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel Tensile (TMT Bar)	0.2% Proof Stress	IS 1786
155	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel Tensile (TMT Bar)	Tensile Strength for Fastener Product	IS 1786
156	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel Tensile (TMT Bar)	Yield Strength	IS 1786
157	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Material	% Elongation	ASTM E8/8M
158	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Material	% Elongation	IS 1608 (Part 1)
159	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Material	% Elongation	DIN EN ISO 6892-1
160	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Material	% Reduction of Area	ASTM E8/8M
161	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Material	% Reduction of Area	DIN EN ISO 6892-1

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162	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Material	% Reduction of Area	IS 1608 (Part 1)
163	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Material	% Reduction of Area	IS 1608 (Part 1)
164	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Material	0.2% Proof Stress	ASTM E 8/8 M
165	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Material	Bend Test	IS 1599
166	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Material	Brinell Hardness (10mm/3000kgf)	ASTM E 10
167	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Material	Brinell Hardness (10mm/3000kgf)	IS 1500 (Part 1)
168	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Material	Brinell Hardness (5mm/750kgf)	ASTM E 10
169	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Material	Brinell Hardness (5mm/750kgf)	IS 1500 (Part 1)
170	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Material	Drift Expansion Test	BS EN ISO 8493
171	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Material	Rockwell Hardness	IS 1586 (Part1)
172	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Material	Rockwell Hardness	ISO 6508 (Part 1)
173	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Material	Tensile Strength	ASTM E 8/8M
174	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Material	Tensile Strength	IS 1608 (Part 1)
175	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Material	Yield Strength	ASTM E 8/8M

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176	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Material	Yield Strength	DIN EN ISO 6892-1
177	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Material	Yield Strength	IS:1608 (Part 1)
178	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pipe & Tubes	Bend Test	ASTM A370
179	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pipe & Tubes	Bend Test	IS 2329
180	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pipe & Tubes	Flaring Test	ASTM A370
181	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pipe & Tubes	Flattening Test	ASTM A370
182	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pipe & Tubes	Flattening Test	IS 2328
183	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Pipes, Bars, Angles, Extruded Shapes, Billets and Raw Material	% Elongation	ASTM A370
184	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Pipes, Bars, Angles, Extruded Shapes, Billets and Raw Material	% Elongation	DIN EN ISO 6892-1
185	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Pipes, Bars, Angles, Extruded Shapes, Billets and Raw Material	% Elongation	IS:1608 (Part 1)
186	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Pipes, Bars, Angles, Extruded Shapes, Billets and Raw Material	% Reduction of Area	ASTM A370
187	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Pipes, Bars, Angles, Extruded Shapes, Billets and Raw Material	% Reduction of Area	DIN EN ISO 6892-1
188	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Pipes, Bars, Angles, Extruded Shapes, Billets and Raw Material	% Reduction of Area	IS 1608 (Part 1)
189	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Pipes, Bars, Angles, Extruded Shapes, Billets and Raw Material	0.2% Proof Stress	ASTM A370

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190	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Pipes, Bars, Angles, Extruded Shapes, Billets and Raw Material	0.2% Proof Stress	DIN EN ISO 6892-1
191	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Pipes, Bars, Angles, Extruded Shapes, Billets and Raw Material	Bend Test	ASTM A370
192	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Pipes, Bars, Angles, Extruded Shapes, Billets and Raw Material	Bend Test	IS:1599
193	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Pipes, Bars, Angles, Extruded Shapes, Billets and Raw Material	Brinell Hardness (10mm/3000kgf)	ASTM E 10
194	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Pipes, Bars, Angles, Extruded Shapes, Billets and Raw Material	Brinell Hardness (10mm/3000kgf)	BS EN ISO 6506-1
195	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Pipes, Bars, Angles, Extruded Shapes, Billets and Raw Material	Brinell Hardness (10mm/3000kgf)	IS 1500 (Part 1)
196	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Pipes, Bars, Angles, Extruded Shapes, Billets and Raw Material	Brinell Hardness (5mm/750kgf)	ASTM E 10
197	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Pipes, Bars, Angles, Extruded Shapes, Billets and Raw Material	Brinell Hardness (5mm/750kgf)	BS EN ISO 6506-1
198	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Pipes, Bars, Angles, Extruded Shapes, Billets and Raw Material	Brinell Hardness (5mm/750kgf)	IS 1500 (Part 1)
199	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Pipes, Bars, Angles, Extruded Shapes, Billets and Raw Material	Charpy V-Notch Impact Test (30°C to - 196°C)	ASTM E 23
200	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Pipes, Bars, Angles, Extruded Shapes, Billets and Raw Material	Charpy V-Notch Impact Test (30°C to - 196°C)	IS 1757 (Part 1)
201	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Pipes, Bars, Angles, Extruded Shapes, Billets and Raw Material	Charpy V-Notch Impact Test (30°C to - 196°C)	ISO 148- 1
202	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Pipes, Bars, Angles, Extruded Shapes, Billets and Raw Material	Izod Impact Test (at Room Temperature)	IS 1598
203	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Pipes, Bars, Angles, Extruded Shapes, Billets and Raw Material	Rockwell Hardness	ASTM E 18

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204	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Pipes, Bars, Angles, Extruded Shapes, Billets and Raw Material	Rockwell Hardness	ASTM E 18
205	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Pipes, Bars, Angles, Extruded Shapes, Billets and Raw Material	Tensile Strength	ASTM A370
206	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Pipes, Bars, Angles, Extruded Shapes, Billets and Raw Material	Tensile Strength	ASTM E8/8M
207	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Pipes, Bars, Angles, Extruded Shapes, Billets and Raw Material	Tensile Strength	DIN EN ISO 6892-1
208	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Pipes, Bars, Angles, Extruded Shapes, Billets and Raw Material	Tensile Strength	IS 1608 (Part 1)
209	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Pipes, Bars, Angles, Extruded Shapes, Billets and Raw Material	Vickers Hardness (HV10)	ASTM E92
210	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Pipes, Bars, Angles, Extruded Shapes, Billets and Raw Material	Vickers Hardness (HV10)	EN ISO 6507-1
211	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Pipes, Bars, Angles, Extruded Shapes, Billets and Raw Material	Vickers Hardness (HV10)	IS 1501 (Part 1)
212	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Pipes, Bars, Angles, Extruded Shapes, Billets and Raw Material	Vickers Hardness (HV30)	ASTM E92
213	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Pipes, Bars, Angles, Extruded Shapes, Billets and Raw Material	Vickers Hardness (HV30)	EN ISO 6507-1
214	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Pipes, Bars, Angles, Extruded Shapes, Billets and Raw Material	Vickers Hardness (HV30)	IS 1501 (Part 1)
215	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Pipes, Bars, Angles, Extruded Shapes, Billets and Raw Material	Vickers Hardness (HV5)	ASTM E92
216	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Pipes, Bars, Angles, Extruded Shapes, Billets and Raw Material	Vickers Hardness (HV5)	EN ISO 6507-1
217	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Pipes, Bars, Angles, Extruded Shapes, Billets and Raw Material	Vickers Hardness (HV5)	IS 1501 (Part 1)

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218	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metals	Transverse Tensile Strength	ASME BPVC Sec IX
219	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metals	Bend Test	API 1104
220	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metals	Bend Test	EN ISO 5173
221	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metals	Bend Test : Root, Face and Side Bend	ASME BPVC Sec IX
222	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metals	Bend Test : Root, Face and Side Bend	AWS D1.1
223	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metals	Bend Test : Root, Face and Side Bend	IS 3600 (Part 5)
224	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metals	Bend Test : Root, Face and Side Bend	IS 3600 (Part 6)
225	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metals	Longitudinal Tensile Strength	IS 3600 (Part 4)
226	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metals	Macro Test	AWS D1.1
227	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metals	Tensile Strength	AWS D1.1
228	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metals	Transverse Tensile Strength	IS 3600 (Part 3)
229	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metals	Transverse Tensile Test	ISO 4136
230	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	Intergranular Corrosion IGC Practice- A	ASTM A262
231	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	Intergranular Corrosion IGC Practice B	ASTM A262

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232	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	Intergranular Corrosion IGC Practice C	ASTM A262
233	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	Intergranular Corrosion IGC Practice F	ASTM A262
234	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	Intergranular Corrosion: IGC Practice -E	ASTM A262
235	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless steel, Low Carbon Alloy Steel	Estimation of Grain Size (Comparison Method)	ASTM E112
236	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless steel, Low Carbon Alloy Steel	Estimation of Grain Size (Comparison Method)	IS 4748
237	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless steel, Low Carbon Alloy Steel	Estimation of Grain Size (Comparison Method)	ISO 643
238	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless steel, Low Carbon Alloy Steel	Inclusion Content Test	ASTM E 45 (Method A)
239	MECHANICAL-METALLOGRAPHY TEST	Duplex Stainless Steel (Ferrite/ Austenite)	Detecting Detrimental Intermetallic Phase Method A	ASTM A923
240	MECHANICAL-METALLOGRAPHY TEST	Duplex Stainless Steel (Ferrite/ Austenite)	Detecting Detrimental Intermetallic Phase Method B	ASTM A923
241	MECHANICAL-METALLOGRAPHY TEST	Duplex Stainless Steel (Ferrite/ Austenite)	Detecting Detrimental Intermetallic Phase Method C	ASTM A923
242	MECHANICAL-METALLOGRAPHY TEST	Duplex Stainless Steel (Ferrite/ Austenite)	IGC TEST (Huey test)	ISO 3651 (Part 1)
243	MECHANICAL-METALLOGRAPHY TEST	Duplex Stainless Steel (Ferrite/ Austenite)	Volume Fraction of Different Phase by Systematic Manual Count [Magnification 100X to 1000X]	ASTM E 562
244	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material	Determination of Depth of Decarbuized layer in Steel (Microscopic method)	ASTM E 1077
245	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material	Determination of Depth of Decarbuized layer in Steel (Microscopic method)	IS 6396
246	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material	Macro Examination	ASTM E340
247	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material	Macro Test	ASTM E381
248	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material	Micro Structure Examination	ASM Handbook (Vol- 9)

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249	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material	SSC Method –A	NACE TM0177
250	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material (Case –Hardened Steel)	Determination of Case Depth (Microscopic method)	IS 6416
251	MECHANICAL-METALLOGRAPHY TEST	Non-Ferrous Material	Estimation of Grain Size (Comparison Method)	ASTM E112
252	MECHANICAL-METALLOGRAPHY TEST	Pipeline and Pressure Vessel Steel	Hydrogen Induced Cracking	NACE TM 0284
253	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel and related Alloys	Crevice Corrosion Test Method B	ASTM G48 (Method B)
254	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel and related Alloys	Pitting Corrosion Test	ASTM G48 (Method A)
255	MECHANICAL-METALLOGRAPHY TEST	Steel	Non Metallic Inclusion Content Test	IS 4163 (Method A)
256	MECHANICAL-METALLOGRAPHY TEST	Steel	Non Metallic Inclusion Content Test	ISO 4967 (Method A)
257	MECHANICAL-METALLOGRAPHY TEST	Welds in Metal	Macro Test	ASME BPVC Sec IX:
258	MECHANICAL-METALLOGRAPHY TEST	Wrought, Nickel Rich, Chromium- Bearing Alloys	Susceptibility to Intergranular Corrosion- Method A	ASTM G28 (Method A)
259	MECHANICAL-METALLOGRAPHY TEST	Wrought, Nickel Rich, Chromium- Bearing Alloys	Susceptibility to Intergranular Corrosion- Method B	ASTM G28 (Method B)