



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

TCR ADVANCED ENGINEERING PRIVATE LIMITED, 250-252/9, GIDC, MAKARPURA,
VADODARA, GUJARAT, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-6739

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Validity

14/10/2023 to 13/10/2025

Last Amended on

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- CORROSION TESTS	Metallic Material	Salt Spray Test	ASTM B117
2	CHEMICAL- CORROSION TESTS	Metallic Material	Salt Spray Test	IS 9844
3	CHEMICAL- CORROSION TESTS	Metallic Material	Salt Spray Test	ISO 9227
4	CHEMICAL- METALS & ALLOYS	Aluminium % its alloys	Cadmium	ASTM E1251
5	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Iron	ASTM E1251
6	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Bismuth	ASTM E1251
7	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Chromium	ASTM E1251
8	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Cobalt	ASTM E1251
9	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Copper	ASTM E1251
10	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Lead	ASTM E1251
11	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Magnesium	ASTM E1251
12	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Manganese	ASTM E1251
13	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Nickel	ASTM E1251
14	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Silicon	ASTM E1251
15	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Tin	ASTM E1251
16	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Titanium	ASTM E1251
17	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Vanadium	ASTM E1251
18	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Zinc	ASTM E1251



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19	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Zirconium	ASTM E1251
20	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Aluminum	ASTM E415
21	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Aluminum	IS 8811
22	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Arsenic	ASTM E415
23	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Arsenic	IS 8811
24	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Carbon	ASTM E415
25	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Carbon	IS 8811
26	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Chromium	ASTM E415
27	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Chromium	IS 8811
28	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Cobalt	ASTM E415
29	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Cobalt	IS 8811
30	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Copper	ASTM E415
31	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Copper	IS 8811
32	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Lead	ASTM E415
33	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Manganese	ASTM E415
34	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Manganese	IS 8811
35	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Molybdenum	ASTM E415
36	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Molybdenum	IS 8811
37	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Nickel	ASTM E415



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38	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Nickel	IS 8811
39	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Niobium	ASTM E415
40	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Niobium	IS 8811
41	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Nitrogen	ASTM E415
42	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Nitrogen	TCR/INT/WI 01
43	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Phosphorous	ASTM E415
44	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Phosphorous	IS 8811
45	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Silicon	ASTM E415
46	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Silicon	IS 8811
47	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Sulfur	ASTM E415
48	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Sulfur	IS 8811
49	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Tin	ASTM E415
50	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Tin	IS 8811
51	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Titanium	ASTM E415
52	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Titanium	IS 8811
53	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Tungsten	TCR/INT/WI 01
54	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Vanadium	ASTM E415
55	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Vanadium	IS 8811
56	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Aluminum	BS 15079



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57	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Antimony	BS 15079
58	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Arsenic	BS 15079
59	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Bismuth	BS 15079
60	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Cobalt	BS 15079
61	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Iron	BS 15079
62	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Lead	BS 15079
63	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Manganese	BS 15079
64	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Nickel	BS 15079
65	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Phosphorous	BS 15079
66	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Silicon	BS 15079
67	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Silver	BS 15079
68	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Sulfur	BS 15079
69	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Tin	BS 15079
70	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Zinc	BS 15079
71	CHEMICAL- METALS & ALLOYS	Metallic Material	Aluminum by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
72	CHEMICAL- METALS & ALLOYS	Metallic Material	Antimony by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
73	CHEMICAL- METALS & ALLOYS	Metallic Material	Calcium by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
74	CHEMICAL- METALS & ALLOYS	Metallic Material	Carbon by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508



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75	CHEMICAL- METALS & ALLOYS	Metallic Material	Chlorine by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
76	CHEMICAL- METALS & ALLOYS	Metallic material	Chromium by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
77	CHEMICAL- METALS & ALLOYS	Metallic Material	Chromium by portable XRF based machine	ASTM E1476
78	CHEMICAL- METALS & ALLOYS	Metallic Material	Cobalt by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
79	CHEMICAL- METALS & ALLOYS	Metallic Material	Cobalt by portable XRF based machine	ASTM E1476
80	CHEMICAL- METALS & ALLOYS	Metallic Material	Copper by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
81	CHEMICAL- METALS & ALLOYS	Metallic Material	Copper by portable XRF based machine	ASTM E1476
82	CHEMICAL- METALS & ALLOYS	Metallic Material	Fluorine by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
83	CHEMICAL- METALS & ALLOYS	Metallic Material	Gold by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
84	CHEMICAL- METALS & ALLOYS	Metallic material	Iron by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
85	CHEMICAL- METALS & ALLOYS	Metallic Material	Iron by portable XRF based machine	ASTM E1476
86	CHEMICAL- METALS & ALLOYS	Metallic Material	Lead by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
87	CHEMICAL- METALS & ALLOYS	Metallic Material	Lead by portable XRF based machine	ASTM E1476
88	CHEMICAL- METALS & ALLOYS	Metallic Material	Magnesium by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
89	CHEMICAL- METALS & ALLOYS	Metallic Material	Manganese by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
90	CHEMICAL- METALS & ALLOYS	Metallic Material	Manganese by portable XRF based machine	ASTM E1476
91	CHEMICAL- METALS & ALLOYS	Metallic Material	Molybdenum by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508



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92	CHEMICAL- METALS & ALLOYS	Metallic Material	Molybdenum by portable XRF based machine	ASTM E1476
93	CHEMICAL- METALS & ALLOYS	Metallic Material	Nickel by portable XRF based machine	ASTM E1476
94	CHEMICAL- METALS & ALLOYS	Metallic Material	Nickel by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
95	CHEMICAL- METALS & ALLOYS	Metallic Material	Niobium by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
96	CHEMICAL- METALS & ALLOYS	Metallic Material	Niobium by portable XRF based machine	ASTM E1476
97	CHEMICAL- METALS & ALLOYS	Metallic Material	Oxygen by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
98	CHEMICAL- METALS & ALLOYS	Metallic Material	Phosphorus by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
99	CHEMICAL- METALS & ALLOYS	Metallic Material	Potassium by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
100	CHEMICAL- METALS & ALLOYS	Metallic material	Silicon by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
101	CHEMICAL- METALS & ALLOYS	Metallic Material	Silver by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
102	CHEMICAL- METALS & ALLOYS	Metallic Material	Sodium by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
103	CHEMICAL- METALS & ALLOYS	Metallic Material	Sulfur by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
104	CHEMICAL- METALS & ALLOYS	Metallic Material	Tin by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
105	CHEMICAL- METALS & ALLOYS	Metallic Material	Tin by portable XRF based machine	ASTM E1476
106	CHEMICAL- METALS & ALLOYS	Metallic Material	Titanium by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
107	CHEMICAL- METALS & ALLOYS	Metallic Material	Titanium by portable XRF based machine	ASTM E1476
108	CHEMICAL- METALS & ALLOYS	Metallic Material	Tungsten by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
109	CHEMICAL- METALS & ALLOYS	Metallic Material	Tungsten by portable XRF based machine	ASTM E1476



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110	CHEMICAL- METALS & ALLOYS	Metallic Material	Vanadium by portable XRF based machine	ASTM E1476
111	CHEMICAL- METALS & ALLOYS	Metallic Material	Vanadium by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
112	CHEMICAL- METALS & ALLOYS	Metallic Material	Zinc by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
113	CHEMICAL- METALS & ALLOYS	Metallic Material	Zinc by portable XRF based machine	ASTM E1476
114	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Aluminum	ASTM E3047
115	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Carbon	ASTM E3047
116	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Chromium	ASTM E3047
117	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Cobalt	ASTM E3047
118	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Copper	ASTM E3047
119	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Iron	ASTM E3047
120	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Manganese	ASTM E3047
121	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Molybdenum	ASTM E3047
122	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Niobium	ASTM E3047
123	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Phosphorous	ASTM E3047
124	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Silicon	ASTM E3047
125	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Sulfur	ASTM E3047
126	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Titanium	ASTM E3047
127	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Tungsten	ASTM E3047
128	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Vanadium	ASTM E3047



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129	CHEMICAL- METALS & ALLOYS	Stainless Steel	Aluminum	IS 9879
130	CHEMICAL- METALS & ALLOYS	Stainless Steel	Aluminum	TCR/INT/WI01
131	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM E1086
132	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS 9879
133	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E1086
134	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 9879
135	CHEMICAL- METALS & ALLOYS	Stainless Steel	Cobalt	TCR/INT/WI01
136	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E1086
137	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	IS 9879
138	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E1086
139	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS 9879
140	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E1086
141	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	IS 9879
142	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E1086
143	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 9879
144	CHEMICAL- METALS & ALLOYS	Stainless Steel	Niobium	TCR/INT/WI01
145	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nitrogen	TCR/INT/WI01
146	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorous	ASTM E1086
147	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorous	IS 9879



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148	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E1086
149	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	IS 9879
150	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulfur	ASTM E1086
151	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulfur	IS 9879
152	CHEMICAL- METALS & ALLOYS	Stainless Steel	Titanium	TCR/INT/WI01
153	CHEMICAL- METALS & ALLOYS	Stainless Steel	Tungsten	TCR/INT/WI01
154	CHEMICAL- METALS & ALLOYS	Stainless Steel	Vanadium	TCR/INT/WI01
155	CHEMICAL- METALS & ALLOYS	Titanium & its alloys	Aluminium	ASTM E2994
156	CHEMICAL- METALS & ALLOYS	Titanium & its alloys	Carbon	TCR/INT/WI05
157	CHEMICAL- METALS & ALLOYS	Titanium & its alloys	Iron	ASTM E2994
158	CHEMICAL- METALS & ALLOYS	Titanium & its alloys	Vanadium	ASTM E2994
159	CHEMICAL- METALS & ALLOYS	Tool Steel	Aluminum	TCR/INT/WI01
160	CHEMICAL- METALS & ALLOYS	Tool Steel	Vanadium	TCR/INT/WI01
161	CHEMICAL- METALS & ALLOYS	Tool Steel	Aluminum	IS 9879
162	CHEMICAL- METALS & ALLOYS	Tool Steel	Carbon	ASTM E1086
163	CHEMICAL- METALS & ALLOYS	Tool Steel	Carbon	IS 9879
164	CHEMICAL- METALS & ALLOYS	Tool Steel	Chromium	ASTM E1086
165	CHEMICAL- METALS & ALLOYS	Tool Steel	Chromium	IS 9879
166	CHEMICAL- METALS & ALLOYS	Tool Steel	Cobalt	TCR/INT/WI01



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167	CHEMICAL- METALS & ALLOYS	Tool Steel	Copper	ASTM E1086
168	CHEMICAL- METALS & ALLOYS	Tool Steel	Copper	IS 9879
169	CHEMICAL- METALS & ALLOYS	Tool Steel	Manganese	ASTM E1086
170	CHEMICAL- METALS & ALLOYS	Tool Steel	Manganese	IS 9879
171	CHEMICAL- METALS & ALLOYS	Tool Steel	Molybdenum	ASTM E1086
172	CHEMICAL- METALS & ALLOYS	Tool Steel	Molybdenum	IS 9879
173	CHEMICAL- METALS & ALLOYS	Tool Steel	Nickel	ASTM E1086
174	CHEMICAL- METALS & ALLOYS	Tool Steel	Nickel	IS 9879
175	CHEMICAL- METALS & ALLOYS	Tool Steel	Niobium	TCR/INT/WI01
176	CHEMICAL- METALS & ALLOYS	Tool Steel	Nitrogen	TCR/INT/WI01
177	CHEMICAL- METALS & ALLOYS	Tool Steel	Phosphorous	ASTM E1086
178	CHEMICAL- METALS & ALLOYS	Tool Steel	Phosphorous	IS 9879
179	CHEMICAL- METALS & ALLOYS	Tool Steel	Silicon	ASTM E1086
180	CHEMICAL- METALS & ALLOYS	Tool Steel	Silicon	IS 9879
181	CHEMICAL- METALS & ALLOYS	Tool Steel	Sulfur	ASTM E1086
182	CHEMICAL- METALS & ALLOYS	Tool Steel	Sulfur	IS 9879
183	CHEMICAL- METALS & ALLOYS	Tool Steel	Titanium	TCR/INT/WI01
184	CHEMICAL- METALS & ALLOYS	Tool Steel	Tungsten	TCR/INT/WI01



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185	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium & Magnesium Alloys	Reduction in Area	ASTM B557
186	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium & Magnesium Alloys	Tensile Test	ASTM B557
187	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium & Magnesium Alloys	Ultimate Tensile Strength	ASTM B557
188	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium & Magnesium Alloys	Yield Stress, Yield Stress by electronic extensometer	ASTM B557
189	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium & Magnesium Alloys	Elongation	ASTM B557
190	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium Products	Elongation	IS 398 (Part 4)
191	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Ferrite Measurement by Ferritoscope	ASTM A800/A800M
192	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Surface Roughness Measurement	ASME B46.1
193	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Accelerated Creep/Stress Rupture Test (Elongation)	ASTM E139
194	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Bend Test	ASME Sec IX
195	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Bend Test	ASTM E190
196	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Bend Test	ASTM E290
197	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Bend Test	AWS D1.1
198	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Bend Test	EN 5173



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199	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Bend Test	IS 1599
200	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Bend Test	IS 3600 (Part 5)
201	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Bend Test	ISO 7438
202	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Bend test of Reinforcement bar	IS 1786
203	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Brinell Hardness Test	ASTM E10
204	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Brinell Hardness Test	ASTM E10
205	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Brinell Hardness Test	ASTM E10
206	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Brinell Hardness Test	IS 1500 (Part I)
207	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Brinell Hardness Test	IS 1500 (Part I)
208	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Brinell Hardness Test	IS 1500 (Part I)
209	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Brinell Hardness Test	ISO 6506_1
210	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Brinell Hardness Test	ISO 6506_1
211	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Brinell Hardness Test	ISO 6506_1
212	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Charpy V notch Impact Test (+30 to -196 degree centigrade)	ASTM E23



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213	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Charpy V notch Impact Test (+30 to -196 degree centigrade)	IS 1757 Part 1
214	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Charpy V notch Impact Test (+30 to -196 degree centigrade)	IS 3600 (Part 2)
215	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Charpy V notch Impact Test (+30 to -196 degree centigrade)	ISO 9016
216	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Charpy V notch Impact Test (+30 to -196 degree centigrade)	SA 370
217	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Dynamic Hardness (Leeb)	ASTM A956
218	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Elongation	ASTM E8
219	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Elongation	EN 4136
220	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Elongation	EN ISO 6892_1
221	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Elongation	IS 1608(Part-1)
222	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Flattening / Flaring Test / Drift Expansion Test (Tubes / Pipes)	ASTM A1016
223	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Flattening Test (Tubes / Pipes)	IS 2328
224	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Full size breaking	IS 1367 (Part 3)
225	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Proof Load - Nuts	ASTM A194
226	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Proof Load - Nuts	IS 1367 (Part 6)



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227	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Proof Load - Nuts	ISO 898-2
228	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Proof Load - Nuts	SA 194
229	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Proof load - Studs & Bolts	ASTM A193
230	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Proof Load - Studs & bolts	IS 1367 (Part 3)
231	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Proof Load - Studs & Bolts	ISO 898-1
232	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic material	Proof Load - Studs & Bolts	SA 193
233	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Proof Stress	ASTM E8
234	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Proof Stress	EN 4136
235	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Proof Stress	EN ISO 6892-1
236	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Proof Stress	IS 1608 (Part-1)
237	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Rebend test of Reinforcement bar/TMT bar	IS 1786
238	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Reduction in Area	ASTM A770
239	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Reduction in Area	ASTM E8
240	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Reduction in Area	EN 4136



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241	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Reduction in Area	EN ISO 10164
242	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Reduction in Area	EN ISO 6892-1
243	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Reduction in Area	EN ISO 7778
244	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Reduction in Area	IS 1608 (Part-1)
245	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Rockwell Hardness Test	ASTM E18
246	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Rockwell Hardness Test	ASTM E18
247	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Rockwell Hardness Test	ASTM E18
248	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Rockwell Hardness Test	IS 1586 (Part I)
249	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Rockwell Hardness Test	IS 1586 (Part I)
250	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Rockwell Hardness Test	IS 1586 (Part I)
251	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Rockwell Hardness Test	ISO 6508_1
252	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Rockwell Hardness Test	ISO 6508-1
253	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Rockwell Hardness Test	ISO 6508-1
254	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Tensile Test	ASTM E8



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255	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Tensile Test	EN 4136
256	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Tensile test	EN ISO 6892-1
257	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Tensile Test	IS 1608 (Part I)
258	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Tensile Test	IS 3600 (Part 1)
259	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Tensile test	ISO 898-1
260	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Ultimate Tensile Strength	ASTM E8
261	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Ultimate Tensile Strength	EN 4136
262	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Ultimate Tensile Strength	EN ISO 6892-1
263	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Ultimate Tensile Strength	IS 1608 (Part I)
264	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness	ASTM E92
265	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	ASTM E384
266	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	ASTM E384
267	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	ASTM E384
268	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	ASTM E92



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269	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	ASTM E92
270	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	ASTM E92
271	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	ASTM E92
272	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	ASTM E92
273	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	ASTM E92
274	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	EN ISO 9015-1
275	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	EN ISO 9015-1
276	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	IS 1501 (Part 1)
277	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	IS 1501 (part 1)
278	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	IS 1501 (Part 1)
279	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	IS 1501 (Part 1)
280	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	IS 1501 (Part 1)
281	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	IS 1501 (Part 1)
282	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	IS 1501 (Part I)



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283	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	ISO 6507 (Part 1)
284	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	ISO 6507_1
285	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	ISO 6507_1
286	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	ISO 6507_1
287	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	ISO 6507_1
288	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	ISO 6507_1
289	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	ISO 6507-1
290	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test - Micro Hardness	EN ISO 9015-2
291	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test, Micro Hardness	EN ISO 9015-2
292	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test, Micro Hardness	EN ISO 9015-2
293	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Yield Stress, Yield Stress by electronic extensometer	ASTM E8
294	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Yield Stress, Yield Stress by electronic extensometer	EN 4136
295	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Yield Stress, Yield Stress by electronic extensometer	EN ISO 6892-1
296	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Yield Stress, Yield Stress by electronic extensometer	IS 1608 (Part I)



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297	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile test	IS 1367 (Part 3)
298	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel product	Proof Load - Studs & Bolts	ASTM A370
299	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Products	Proof Stress	SA 370
300	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Products	Reduction in Area	ASTM A370
301	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Products	Rockwell Hardness Test	ASTM A370
302	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Products	Rockwell Hardness Test	ASTM A370
303	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Products	Rockwell Hardness Test	ASTM A370
304	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Products	Rockwell Hardness Test	SA 370
305	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Products	Rockwell Hardness Test	SA 370
306	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Products	Rockwell Hardness Test	SA 370
307	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Products	Tensile Test	ASTM A370
308	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Products	Tensile Test	ASTM A370
309	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Products	Tensile Test	SA 370
310	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Products	Ultimate Tensile Strength	ASTM A370



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311	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Products	Ultimate Tensile Strength	SA 370
312	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Products	Yield Stress, Yield Stress by electronic extensometer	ASTM A370
313	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Products	Bend Test	ASTM A370
314	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Products	Bend Test	SA 370
315	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Products	Brinell Hardness Test	ASTM A370
316	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Products	Charpy V notch Impact Test (+30 to -196 degree centigrade)	ASTM A370
317	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Products	Charpy V notch Impact Test (+30 to -196 degree centigrade)	SA 370
318	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Products	Elongation	ASTM A370
319	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Products	Tensile Test	SA 370
320	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Products	Elongation	SA 370
321	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Products	Flattening / Flaring Test / Drift Expansion Test (Tubes / Pipes)	ASTM A370
322	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Products	Flattening / Flaring Test / Drift Expansion Test (Tubes / Pipes)	SA 370
323	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Products	Full size breaking	ASTM A370
324	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Products	Full size breaking	SA 370



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325	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Products	Proof Load - Nuts	ASTM A370
326	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Products	Proof Load - Nuts	SA 370
327	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Products	Proof Load - Studs & bolts	SA 370
328	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Products	Proof Stress	ASTM A370
329	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Products	Proof Stress	SA 370
330	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Products	Reduction in Area	SA 370
331	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Products	Proof Stress	API 1104
332	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Products	Proof Stress	ASME Sec IX
333	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Products	Reduction in Area	API 1104
334	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Products	Reduction in Area	API 5L
335	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Products	Reduction in Area	ASME Sec IX
336	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Products	Reduction in Area	AWS B4.0
337	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Products	Reduction in Area	AWS D1.1
338	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Products	Reduction in Area	EN 15614_1



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339	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Products	Reduction in Area	EN ISO 5178
340	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Products	Tensile Test	API 1104
341	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Products	Tensile Test	API 5L
342	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Products	Tensile Test	ASME Sec IX
343	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Products	Tensile Test	AWS B4.0
344	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Products	Tensile Test	AWS D1.1
345	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Products	Tensile Test	EN 15614-1
346	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Products	Tensile Test	EN ISO 5178
347	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Products	Ultimate Tensile Strength	API 1104
348	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Products	Ultimate Tensile Strength	ASME Sec IX
349	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Products	Ultimate Tensile Strength	AWS B4.0
350	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Products	Ultimate Tensile Strength	AWS D1.1
351	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Products	Ultimate Tensile Strength	EN 15614-1
352	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Products	Ultimate Tensile Strength	EN ISO 5178



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353	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Products	Yield Stress, Yield Stress by electronic extensiometer	API 1104
354	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Products	Yield Stress, Yield Stress by electronic extensiometer	API 5L
355	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Products	Yield Stress, Yield Stress by electronic extensiometer	ASME Sec IX
356	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Products	Yield Stress, Yield Stress by electronic extensiometer	AWS B4.0
357	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Products	Yield Stress, Yield Stress by electronic extensiometer	AWS D1.1
358	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Products	Yield Stress, Yield Stress by electronic extensiometer	EN 15614-1
359	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Products	Yield Stress, Yield Stress by electronic extensiometer	EN ISO 5178
360	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Products	Elongation	API 1104
361	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Products	Elongation	API 5L
362	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Products	Elongation	ASME Sec IX
363	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Products	Elongation	AWS B4.0
364	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Products	Elongation	AWS D1.1
365	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Products	Elongation	EN 15614_1
366	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Products	Elongation	EN ISO 5178



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Accreditation Standard

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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
367	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Products	Proof Stress	EN 15614-1
368	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Products	Pull out test / push out test - Tube to tube sheet mock up	ASME Sec VIII Div 1
369	MECHANICAL- METALLOGRAPHY TEST	Cast iron	Micro Structure Examination	ASTM A247
370	MECHANICAL- METALLOGRAPHY TEST	Duplex austenitic / ferritic stainless steel	Determination of Inter metallic phase in Duplex austenitic / ferritic stainless steel - Method C	ASTM A923
371	MECHANICAL- METALLOGRAPHY TEST	Duplex austenitic / ferritic stainless steel	Determination of Inter metallic phase in Duplex austenitic / ferritic stainless steel - Method A	ASTM A923
372	MECHANICAL- METALLOGRAPHY TEST	Duplex austenitic / ferritic stainless steel	Determination of Inter metallic phase in Duplex austenitic / ferritic stainless steel - Method B	ASTM A923
373	MECHANICAL- METALLOGRAPHY TEST	Ferrous materials, alloys & products	Carbide streak and carbide distribution	SEP 1520
374	MECHANICAL- METALLOGRAPHY TEST	Metallic Material	Case Depth Measurement	IS 6416
375	MECHANICAL- METALLOGRAPHY TEST	Metallic Material	De-carburization Depth	ASTM E1077
376	MECHANICAL- METALLOGRAPHY TEST	Metallic Material	De-carburization Depth	IS 6396
377	MECHANICAL- METALLOGRAPHY TEST	Metallic Material	Grain Size Measurement	ASTM E112
378	MECHANICAL- METALLOGRAPHY TEST	Metallic Material	Grain Size Measurement	IS 4748
379	MECHANICAL- METALLOGRAPHY TEST	Metallic Material	Grain Size Measurement	ISO 643
380	MECHANICAL- METALLOGRAPHY TEST	Metallic Material	Inclusion Rating	IS 4163
381	MECHANICAL- METALLOGRAPHY TEST	Metallic Material	Inclusion Rating A	ASTM E45
382	MECHANICAL- METALLOGRAPHY TEST	Metallic Material	Inclusion ration	ISO 4967



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383	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Linear Measurement	TCR/MET/WI17
384	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Macro Etch Test	ASME Sec IX
385	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Macro Etch Test	ASTM E340
386	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Macro Etch Test	ASTM E381
387	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Macro Etch Test	AWS D1.1/D1.1M
388	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Macro Etch Test	EN ISO 17639
389	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Macro Etch Test	IS 3600 (Part 9)
390	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Macro Etch Test	ISO/TR 16060
391	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Micro Structure Examination	ASM Handbook Volume 9
392	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Quantitative Metallography	ASTM E562
393	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Replica Micro Structure Examination	ASTM E1351
394	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	SEM Analysis	ASM Handbook Volume 9
395	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Thickness of Coating	ASTM B487
396	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Macro Etch Test	EN ISO 5817
397	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Macroetch testing of consumable electrode remelted steel bar and billets	ASTM A604
398	MECHANICAL-METALLOGRAPHY TEST	Metallography Test	Macro Etch Test	EN ISO 15614-1
399	MECHANICAL-METALLOGRAPHY TEST	Nickel-Rich, Chromium-Bearing Alloys	Method A Ferric Sulfate-Sulfuric Acid Test	ASTM G28
400	MECHANICAL-METALLOGRAPHY TEST	Nickel-Rich, Chromium-Bearing Alloys	Mixed Acid-Oxidating Salt Test as per Method B	ASTM G28



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401	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel	Huey Test	DIN 3651-1
402	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel	IGC Test - Practice A	ASTM A262
403	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel	IGC Test - Practice B	ASTM A262
404	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel	IGC Test - Practice C	ASTM A262
405	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel	IGC Test - Practice E	ASTM A262
406	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel	Method A	DIN 3651-2
407	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel	Method B	DIN 3651-2
408	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel	Method C	DIN 3651-2
409	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel and its alloys	Crevice Corrosion Method B	ASTM G48
410	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel and its alloys	Pitting Corrosion Method A	ASTM G48



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Site Facility				
1	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Ferrite Measurement by Ferritoscope	ASTM A800/A800M
2	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Surface Roughness Measurement	ASME B46.1
3	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Dynamic Hardness (Leeb)	ASTM A956
4	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Replica Micro Structure Examination	ASTM E1351