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 **Page No** 1 of 30

Validity 14/10/2021 to 13/10/2023 **Last Amended on** 18/11/2021

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
LOCATION 1-250-252/9, GIDC, MAKARPURA, VADODARA, GUJARAT, INDIA Permanent Facility				
1	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Iron	ASTM E1251
2	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Chromium	ASTM E1251
3	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Copper	ASTM E1251
4	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Lead	ASTM E1251
5	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Magnesium	ASTM E1251
6	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Manganese	ASTM E1251
7	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Nickel	ASTM E1251
8	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Silicon	ASTM E1251
9	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Tin	ASTM E1251
10	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Titanium	ASTM E1251
11	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Zinc	ASTM E1251
12	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Aluminum	ASTM E415
13	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Aluminum	IS 8811
14	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Carbon	ASTM E415
15	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Carbon	IS 8811
16	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Chromium	ASTM E415
17	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Chromium	IS 8811
18	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Copper	ASTM E415

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

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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
19	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Copper	IS 8811
20	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Manganese	ASTM E415
21	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Manganese	IS 8811
22	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Molybdenum	ASTM E415
23	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Molybdenum	IS 8811
24	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Nickel	ASTM E415
25	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Nickel	IS 8811
26	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Niobium	ASTM E415
27	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Niobium	IS 8811
28	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Nitrogen	ASTM E415
29	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Nitrogen	TCR/INT/WI 01
30	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Phosphorous	ASTM E415
31	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Phosphorous	IS 8811
32	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Silicon	ASTM E415
33	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Silicon	IS 8811
34	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Sulfur	ASTM E415
35	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Sulfur	IS 8811
36	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Tin	ASTM E415
37	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Tin	IS 8811

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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
38	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Titanium	ASTM E415
39	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Titanium	IS 8811
40	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Tungsten	TCR/INT/WI 01
41	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Vanadium	ASTM E415
42	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Vanadium	IS 8811
43	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Aluminum	BS 15079
44	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Antimony	BS 15079
45	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Iron	BS 15079
46	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Lead	BS 15079
47	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Manganese	BS 15079
48	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Nickel	BS 15079
49	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Phosphorous	BS 15079
50	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Silicon	BS 15079
51	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Sulfur	BS 15079
52	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Tin	BS 15079
53	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Zinc	BS 15079
54	CHEMICAL- METALS & ALLOYS	Metallic Material	Aluminum by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
55	CHEMICAL- METALS & ALLOYS	Metallic Material	Antimony by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508

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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	Metallic Material	Calcium by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
57	CHEMICAL- METALS & ALLOYS	Metallic Material	Carbon by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
58	CHEMICAL- METALS & ALLOYS	Metallic Material	Chlorine by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
59	CHEMICAL- METALS & ALLOYS	Metallic material	Chromium by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
60	CHEMICAL- METALS & ALLOYS	Metallic Material	Chromium by portable XRF based machine	ASTM E1476
61	CHEMICAL- METALS & ALLOYS	Metallic Material	Cobalt by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
62	CHEMICAL- METALS & ALLOYS	Metallic Material	Cobalt by portable XRF based machine	ASTM E1476
63	CHEMICAL- METALS & ALLOYS	Metallic Material	Copper by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
64	CHEMICAL- METALS & ALLOYS	Metallic Material	Copper by portable XRF based machine	ASTM E1476
65	CHEMICAL- METALS & ALLOYS	Metallic Material	Fluorine by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
66	CHEMICAL- METALS & ALLOYS	Metallic Material	Gold by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
67	CHEMICAL- METALS & ALLOYS	Metallic material	Iron by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
68	CHEMICAL- METALS & ALLOYS	Metallic Material	Iron by portable XRF based machine	ASTM E1476
69	CHEMICAL- METALS & ALLOYS	Metallic Material	Lead by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
70	CHEMICAL- METALS & ALLOYS	Metallic Material	Lead by portable XRF based machine	ASTM E1476
71	CHEMICAL- METALS & ALLOYS	Metallic Material	Magnesium by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
72	CHEMICAL- METALS & ALLOYS	Metallic Material	Manganese by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
73	CHEMICAL- METALS & ALLOYS	Metallic Material	Manganese by portable XRF based machine	ASTM E1476

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74	CHEMICAL- METALS & ALLOYS	Metallic Material	Molybdenum by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
75	CHEMICAL- METALS & ALLOYS	Metallic Material	Molybdenum by portable XRF based machine	ASTM E1476
76	CHEMICAL- METALS & ALLOYS	Metallic Material	Nickel by portable XRF based machine	ASTM E1476
77	CHEMICAL- METALS & ALLOYS	Metallic Material	Nickel by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
78	CHEMICAL- METALS & ALLOYS	Metallic Material	Niobium by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
79	CHEMICAL- METALS & ALLOYS	Metallic Material	Niobium by portable XRF based machine	ASTM E1476
80	CHEMICAL- METALS & ALLOYS	Metallic Material	Oxygen by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
81	CHEMICAL- METALS & ALLOYS	Metallic Material	Phosphorus by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
82	CHEMICAL- METALS & ALLOYS	Metallic Material	Potassium by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
83	CHEMICAL- METALS & ALLOYS	Metallic Material	Salt Spray Test	ASTM B117
84	CHEMICAL- METALS & ALLOYS	Metallic Material	Salt Spray Test	IS 9844
85	CHEMICAL- METALS & ALLOYS	Metallic Material	Salt Spray Test	ISO 9227
86	CHEMICAL- METALS & ALLOYS	Metallic material	Silicon by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
87	CHEMICAL- METALS & ALLOYS	Metallic Material	Silver by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
88	CHEMICAL- METALS & ALLOYS	Metallic Material	Sodium by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
89	CHEMICAL- METALS & ALLOYS	Metallic Material	Sulfur by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
90	CHEMICAL- METALS & ALLOYS	Metallic Material	Tin by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
91	CHEMICAL- METALS & ALLOYS	Metallic Material	Tin by portable XRF based machine	ASTM E1476

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92	CHEMICAL- METALS & ALLOYS	Metallic Material	Titanium by Energy Dispersive Spectrum of X-AY EDS	ASTM E1508
93	CHEMICAL- METALS & ALLOYS	Metallic Material	Titanium by portable XRF based machine	ASTM E1476
94	CHEMICAL- METALS & ALLOYS	Metallic Material	Tungsten by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
95	CHEMICAL- METALS & ALLOYS	Metallic Material	Tungsten by portable XRF based machine	ASTM E1476
96	CHEMICAL- METALS & ALLOYS	Metallic Material	Vanadium by portable XRF based machine	ASTM E1476
97	CHEMICAL- METALS & ALLOYS	Metallic Material	Vandium by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
98	CHEMICAL- METALS & ALLOYS	Metallic Material	Zinc by Energy Dispersive Spectrum of X-RAY EDS	ASTM E1508
99	CHEMICAL- METALS & ALLOYS	Metallic Material	Zinc by portable XRF based machine	ASTM E1476
100	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Aluminum	ASTM E3047
101	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Carbon	ASTM E3047
102	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Chromium	ASTM E3047
103	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Cobalt	ASTM E3047
104	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Copper	ASTM E3047
105	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Iron	ASTM E3047
106	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Manganese	ASTM E3047
107	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Molybdenum	ASTM E3047
108	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Niobium	ASTM E3047
109	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Phosphorous	ASTM E3047
110	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Silicon	ASTM E3047

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111	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Sulfur	ASTM E3047
112	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Titanium	ASTM E3047
113	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Aluminum	ASTM E1086
114	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Aluminum	IS 9879
115	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Aluminum	TCR/INT/WI01
116	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Carbon	ASTM E1086
117	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Carbon	IS 9879
118	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Chromium	ASTM E1086
119	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Chromium	IS 9879
120	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Cobalt	TCR/INT/WI01
121	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Copper	ASTM E1086
122	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Copper	IS 9879
123	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Manganese	ASTM E1086
124	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Manganese	IS 9879
125	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Molybdenum	ASTM E1086
126	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Molybdenum	IS 9879
127	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Nickel	ASTM E1086
128	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Nickel	IS 9879
129	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Niobium	TCR/INT/WI01

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130	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Nitrogen	TCR/INT/WI01
131	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Phosphorous	ASTM E1086
132	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Phosphorous	IS 9879
133	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Silicon	ASTM E1086
134	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Silicon	IS 9879
135	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Sulfur	ASTM E1086
136	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Sulfur	IS 9879
137	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Titanium	TCR/INT/WI01
138	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Tungsten	TCR/INT/WI01
139	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Vanadium	TCR/INT/WI01
140	CHEMICAL- METALS & ALLOYS	Titanium & its alloys	Aluminium	ASTM E2994
141	CHEMICAL- METALS & ALLOYS	Titanium & its alloys	Carbon	TCR/INT/WI05
142	CHEMICAL- METALS & ALLOYS	Titanium & its alloys	Iron	ASTM E2994
143	CHEMICAL- METALS & ALLOYS	Titanium & its alloys	Vanadium	ASTM E2994
144	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Bend Test	API 1104
145	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Bend Test	ASME Sec IX
146	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Bend Test	ASTM A370

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147	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Bend Test	ASTM E190
148	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Bend Test	ASTM E290
149	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Bend Test	AWS D1.1
150	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Bend Test	EN 5173
151	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Bend Test	IS 1239 (Part 1)
152	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Bend Test	IS 1239 (Part 2)
153	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Bend Test	IS 1599
154	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Bend Test	IS 2329
155	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Bend Test	IS 3600 (Part 5)
156	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Bend Test	IS 3600 (Part 7)
157	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Bend Test	ISO 7438
158	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Bend Test	SA 370
159	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Bend test of Reinforcement bar	IS 1786
160	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Brinnel Hardness Test	ASTM A370

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161	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Brinnel Hardness Test	ASTM A370
162	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Brinnel Hardness Test	ASTM A370
163	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Brinnel Hardness Test	ASTM E10
164	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Brinnel Hardness Test	ASTM E10
165	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Brinnel Hardness Test	ASTM E10
166	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Brinnel Hardness Test	BS EN 1043_1
167	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Brinnel Hardness Test	BS EN 1043_1
168	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Brinnel Hardness Test	BS EN 1043_1
169	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Brinnel Hardness Test	IS 1500 (Part I)
170	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Brinnel Hardness Test	IS 1500 (Part I)
171	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Brinnel Hardness Test	IS 1500 (Part I)
172	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Brinnel Hardness Test	ISO 6506_1
173	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Brinnel Hardness Test	ISO 6506_1
174	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Brinnel Hardness Test	ISO 6506_1

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175	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Brinnel Hardness Test	SA 370
176	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Brinnel Hardness Test	SA 370
177	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Brinnel Hardness Test	SA 370
178	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Charpy V notch Impact Test (+30 to -196 degree centigrade)	ASTM A370
179	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Charpy V notch Impact Test (+30 to -196 degree centigrade)	ASTM E23
180	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Charpy V notch Impact Test (+30 to -196 degree centigrade)	EN 10045
181	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Charpy V notch Impact Test (+30 to -196 degree centigrade)	IS 1757 Part 1
182	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Charpy V notch Impact Test (+30 to -196 degree centigrade)	IS 3600 (Part 2)
183	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Charpy V notch Impact Test (+30 to -196 degree centigrade)	ISO 148-1
184	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Charpy V notch Impact Test (+30 to -196 degree centigrade)	ISO 9016
185	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Charpy V notch Impact Test (+30 to -196 degree centigrade)	SA 370
186	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Elongation	API 1104
187	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Elongation	API 5L
188	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Elongation	ASME Sec IX

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189	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Elongation	ASTM A370
190	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Elongation	ASTM B557
191	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Elongation	ASTM E8
192	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Elongation	AWS B4.0
193	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Elongation	AWS D1.1
194	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Elongation	EN 15614_1
195	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Elongation	EN 4136
196	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Elongation	EN ISO 10002-1
197	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Elongation	EN ISO 10164
198	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Elongation	EN ISO 5178
199	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Elongation	EN ISO 6892_1
200	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Elongation	IS 1608(Part-1)
201	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Elongation	SA 370
202	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Flattening / Flaring Test / Drift Expansion Test (Tubes / Pipes)	API 5L

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203	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Flattening / Flaring Test / Drift Expansion Test (Tubes / Pipes)	ASTM A1016
204	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Flattening / Flaring Test / Drift Expansion Test (Tubes / Pipes)	ASTM A370
205	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Flattening / Flaring Test / Drift Expansion Test (Tubes / Pipes)	ASTM A999
206	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Flattening / Flaring Test / Drift Expansion Test (Tubes / Pipes)	ASTM B111
207	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Flattening / Flaring Test / Drift Expansion Test (Tubes / Pipes)	IS 1239 (Part 1)
208	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Flattening / Flaring Test / Drift Expansion Test (Tubes / Pipes)	IS 1239 (Part 2)
209	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Flattening / Flaring Test / Drift Expansion Test (Tubes / Pipes)	IS 2328
210	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Flattening / Flaring Test / Drift Expansion Test (Tubes / Pipes)	IS 3589 (Ra 2017)
211	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Flattening / Flaring Test / Drift Expansion Test (Tubes / Pipes)	ISO 8492
212	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Flattening / Flaring Test / Drift Expansion Test (Tubes / Pipes)	ISO 8493
213	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Flattening / Flaring Test / Drift Expansion Test (Tubes / Pipes)	SA 370
214	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Full size breaking / Tensile Test / Proof Load - Studs & Bolts	ASTM A / SA 370
215	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Full size breaking / Tensile Test / Proof Load - Studs & Bolts	IS 1367 (Part 3)
216	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Full size breaking / Tensile Test / Proof Load - Studs & Bolts	ISO 898-1

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217	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Full size breaking / Tensile Test /Studs & Bolts	ASTM/SA 193
218	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Inclusion Rating	ASTM E45
219	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Inclusion Rating	IS 4163
220	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Linear Measurement	TCR/MET/WI17
221	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Load Test	IS 1608 (Part-1)
222	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Load/Shear Test	API 1104
223	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Load/Shear Test	ASME Sec IX
224	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Load/Shear Test	ASTM A370
225	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Load/Shear Test	ASTM E8
226	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Load/Shear Test	EN 15614-1
227	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Load/Shear Test	EN 4136
228	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Load/Shear Test	IS 3600 (Part 1)
229	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Load/Shear Test	SA 370
230	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Micro structure Examination	ASM Handbook Volume 9

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231	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Proof Load - Nuts	ASTM A / SA 194
232	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Proof Load - Nuts	ASTM A / SA 370
233	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Proof Load - Nuts	IS 1367 (Part 6)
234	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Proof Load - Nuts	ISO 898-2
235	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Proof Stress	API 1104
236	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Proof Stress	ASME Sec IX
237	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Proof Stress	ASTM A / SA 370
238	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Proof Stress	ASTM E8
239	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Proof Stress	EN 15614-1
240	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Proof Stress	EN 4136
241	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Proof Stress	EN ISO 6892-1
242	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Proof Stress	IS 1608 (Part-1)
243	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Proof Stress	SA 370
244	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Pull out test / push out test - Tube to tube sheet mock up	ASME Sec VIII Div 1

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245	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Pull out test / push out test - Tube to tube sheet mock up	TCR/MEC/WI07
246	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Rebend test of Reinforcement bar/TMT bar	IS 1786
247	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Reduction in Area	API 1104
248	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Reduction in Area	API 5L
249	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Reduction in Area	ASME Sec IX
250	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Reduction in Area	ASTM A370
251	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Reduction in Area	ASTM A770
252	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Reduction in Area	ASTM B557
253	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Reduction in Area	ASTM E8
254	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Reduction in Area	AWS B4.0
255	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Reduction in Area	AWS D1.1
256	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Reduction in Area	EN 15614_1
257	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Reduction in Area	EN 4136
258	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Reduction in Area	EN ISO 10002-1

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259	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Reduction in Area	EN ISO 10164
260	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Reduction in Area	EN ISO 5178
261	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Reduction in Area	EN ISO 6892-1
262	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Reduction in Area	EN ISO 7778
263	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Reduction in Area	IS 1608 (Part-1)
264	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Reduction in Area	SA 370
265	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Rockwell Hardness Test	ASTM A370
266	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Rockwell Hardness Test	ASTM A370
267	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Rockwell Hardness Test	ASTM A370
268	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Rockwell Hardness Test	ASTM E18
269	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Rockwell Hardness Test	ASTM E18
270	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Rockwell Hardness Test	ASTM E18
271	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Rockwell Hardness Test	IS 1586 (Part I)
272	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Rockwell Hardness Test	IS 1586 (Part I)

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273	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Rockwell Hardness Test	IS 1586 (Part I)
274	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Rockwell Hardness Test	ISO 6508-1
275	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Rockwell Hardness Test	ISO 6508-1
276	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Rockwell Hardness Test	ISO 6508_1
277	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Rockwell Hardness Test	SA 370
278	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Rockwell Hardness Test	SA 370
279	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Rockwell Hardness Test	SA 370
280	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Tensile Test	API 1104
281	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Tensile Test	API 5L
282	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Tensile Test	ASME Sec IX
283	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Tensile Test	ASTM A370
284	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Tensile Test	ASTM B557
285	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Tensile Test	ASTM E8
286	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Tensile Test	AWS B4.0

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287	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Tensile Test	AWS D1.1
288	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Tensile Test	EN 15614-1
289	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Tensile Test	EN 4136
290	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Tensile Test	EN ISO 10002-1
291	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Tensile Test	EN ISO 5178
292	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Tensile test	EN ISO 6892-1
293	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Tensile Test	IS 1608 (Part I)
294	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Tensile Test	IS 3600 (Part 1)
295	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Tensile Test	SA 370
296	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Thickness of Coating	ASTM B487
297	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Ultimate Tensile Strength	API 1104
298	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Ultimate Tensile Strength	ASME Sec IX
299	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Ultimate Tensile Strength	ASTM A370
300	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Ultimate Tensile Strength	ASTM B557

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301	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Ultimate Tensile Strength	ASTM E8
302	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Ultimate Tensile Strength	AWS B4.0
303	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Ultimate Tensile Strength	AWS D1.1
304	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Ultimate Tensile Strength	EN 15614-1
305	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Ultimate Tensile Strength	EN 4136
306	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Ultimate Tensile Strength	EN ISO 10002-1
307	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Ultimate Tensile Strength	EN ISO 5178
308	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Ultimate Tensile Strength	EN ISO 6892-1
309	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Ultimate Tensile Strength	IS 1608 (Part I)
310	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Ultimate Tensile Strength	SA 370
311	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness	ASTM E92
312	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	ASTM A / SA 370
313	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	ASTM A / SA 370
314	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	ASTM A / SA 370

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315	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	ASTM A / SA 370
316	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	ASTM A / SA 370
317	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	ASTM A / SA 370
318	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	ASTM E384
319	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	ASTM E384
320	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	ASTM E384
321	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	ASTM E384
322	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	ASTM E384
323	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	ASTM E384
324	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	ASTM E92
325	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	ASTM E92
326	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	ASTM E92
327	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	ASTM E92
328	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	ASTM E92

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329	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	EN ISO 9015-1
330	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	EN ISO 9015-1
331	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	EN ISO 9015-1
332	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	IS 1501 (Part 1)
333	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	IS 1501 (Part 1)
334	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	IS 1501 (Part 1)
335	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	IS 1501 (Part 1)
336	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	IS 1501 (Part 1)
337	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	IS 1501 (Part I)
338	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	ISO 6507-1
339	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	ISO 6507_1
340	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	ISO 6507_1
341	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	ISO 6507_1
342	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	ISO 6507_1

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343	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test	ISO 6507_1
344	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test - Micro Hardness	EN ISO 9015-2
345	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test, Micro Hardness	EN ISO 9015-2
346	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness Test, Micro Hardness	EN ISO 9015-2
347	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Yield Stress, Yield Stress by electronic extensiometer	API 1104
348	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Yield Stress, Yield Stress by electronic extensiometer	API 5L
349	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Yield Stress, Yield Stress by electronic extensiometer	ASME Sec IX
350	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Yield Stress, Yield Stress by electronic extensiometer	ASTM A370
351	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Yield Stress, Yield Stress by electronic extensiometer	ASTM B557
352	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Yield Stress, Yield Stress by electronic extensiometer	ASTM E8
353	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Yield Stress, Yield Stress by electronic extensiometer	AWS B4.0
354	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Yield Stress, Yield Stress by electronic extensiometer	AWS D1.1
355	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Yield Stress, Yield Stress by electronic extensiometer	EN 15614-1
356	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Yield Stress, Yield Stress by electronic extensiometer	EN 4136

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357	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Yield Stress, Yield Stress by electronic extensiometer	EN ISO 10002-1
358	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Yield Stress, Yield Stress by electronic extensiometer	EN ISO 5178
359	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Yield Stress, Yield Stress by electronic extensiometer	EN ISO 6892-1
360	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Yield Stress, Yield Stress by electronic extensiometer	IS 1608 (Part I)
361	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallica Material	Ultimate Tensile Strength	EN 15614-1
362	MECHANICAL-METALLOGRAPHY TEST	Cast iron	Micro Structure Examination	ASTM A247
363	MECHANICAL-METALLOGRAPHY TEST	Cast iron	Nodularity in SGI Iron	IS 7754
364	MECHANICAL-METALLOGRAPHY TEST	Duplex austenitic / ferritic stainless steel	Determination of Inter metallic phase in Duplex austenitic / ferritic stainless steel - Method C	ASTM A923
365	MECHANICAL-METALLOGRAPHY TEST	Duplex austenitic / ferritic stainless steel	Determination of Inter metallic phase in Duplex austenitic / ferritic stainless steel - Method A	ASTM A923
366	MECHANICAL-METALLOGRAPHY TEST	Duplex austenitic / ferritic stainless steel	Determination of Inter metallic phase in Duplex austenitic / ferritic stainless steel - Method B	ASTM A923
367	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	De-carburization Depth	ASTM E1077
368	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	De-carburization Depth	IS 6396
369	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Grain Size Measurement	ASTM E112
370	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Macro Etch Test	ASME Sec IX
371	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Macro Etch Test	ASTM E340

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372	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Macro Etch Test	ASTM E381
373	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Macro Etch Test	EN ISO 17639
374	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Macro Etch Test	IS 3600 (Part 9)
375	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Macro Etch Test	ISO/TR 16060
376	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Micro Examination of weld	EN 1321
377	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Micro Examination of weld	ISO 17639
378	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Micro Examination, of Weld metal, HAZ, Parent metal	IS 3600 (Part 9)
379	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Micro Structure Examination	ASM Handbook Volume 9
380	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Quantitative Metallography	ASTM E562
381	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Replica Micro Structure Examination	ASTM E1351
382	MECHANICAL-METALLOGRAPHY TEST	Metallography Test	Macro Etch Test	EN ISO 15614-1
383	MECHANICAL-METALLOGRAPHY TEST	Nickel-Rich, Chromium-Bearing Alloys	Method A Ferric Sulfate-Sulfuric Acid Test	ASTM G28
384	MECHANICAL-METALLOGRAPHY TEST	Nickel-Rich, Chromium-Bearing Alloys	Mixed Acid-Oxidating Salt Test as per Method B	ASTM G28
385	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel	IGC Test - Practice A	ASTM A262
386	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel	IGC Test - Practice A	DIN 3651-1 & 2
387	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel	IGC Test - Practice B	ASTM A262
388	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel	IGC Test - Practice B	DIN 3651-1 & 2
389	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel	IGC Test - Practice C	ASTM A262
390	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel	IGC Test - Practice C	DIN 3651-1 & 2

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391	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel	IGC Test - Practice E	ASTM A262
392	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel	IGC Test - Practice E	DIN 3651-1 & 2
393	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel and its alloys	Pitting Corrosion Method A & B	ASTM G48

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LOCATION 2 - 302-302A, 3RD FLOOR, R R AUTO IND COMPLEX, MAKARPURA, VADODARA, GUJARAT, INDIA Permanent Facility				
1	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material	Surface Roughness Measurement	ASME B46.1
2	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials	Ferrite Measurement by Ferritoscope	ASTM A800/A800M
3	NON-DESTRUCTIVE-METALS & ALLOYS	Ferro Magnetic Materials	Magnetic Particle testing - by both visible & fluorescent technique using yoke, prod and coil wrap techniques	ASTM E709
4	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Material	Remote field eddy current testing	ASME Sec V Article 17
5	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic and Non Ferromagnetic Material	Eddy current testing	ASME Sec V Article 8
6	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Material	Eddy Current for Ferrous Tubes	ASME Sec V Article 17
7	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic material	MPT - Detection of surface flaws & subsurface flaws by both visible & fluorescent technique using yoke, prod and coil wrap method	ASME Sec V SE 709
8	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metals & its Alloys	Detection of Internal Flaws	ASME Sec V, Article 4 & 5
9	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metals & its Alloys	Detection of Internal Flaws	ISO 4386 (Part 1)
10	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metals & its Alloys	LPT by Visible & Florescent Technique using solvent removal technique - for Detection of flaws open to surface	ASME SEC V ART 24 SE 165
11	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metals & its Alloys	LPT by Visible & Florescent Technique using solvent removal technique - for Detection of flaws open to surface	ASME Sec V Article 6, Article 24 SE 165
12	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metals & its Alloys	LPT by Visible & Florescent Technique using solvent removal technique - for Detection of flaws open to surface	ISO 4386 (Part 3)

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13	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metals & its Alloys	LPT by Visible & Florescent Technique using solvent removal technique - for Detection of flaws open to surface	ASTM E165
14	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metals & its Alloys	Ultrasonic Testing: Detection of Internal Flaws	ASME SEC V ART 23 SA 578, SA 435
15	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metals & its Alloys	Ultrasonic Thickness Measurement	ASTM E797
16	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metals & its Alloys	Ultrasonic Thickness Measurement	ASTM E797
17	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metals & its Alloys	Ultrasonic Thickness Measurement	ASTM E797
18	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metals & its Alloys	Visual Examination - Direct and Remote	ASME Sec V Article 9
19	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Metals & its Alloys	Ultrasonic Testing: Detection of Internal Flaws	ASME SEC V ART 23 SA 609
20	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Metals & its Alloys - Forgings	Detection of Internal Flaws	SA 388/ ASTM A388
21	NON-DESTRUCTIVE-METALS & ALLOYS	Metals And Alloys	Ultrasonic test for metal Pipes and tubings	ASTM E213
22	NON-DESTRUCTIVE-METALS & ALLOYS	Non Ferromagnetic Material	Eddy Current Testing for Ferrous Tubes	ASME Sec V Art 8

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LOCATION 2 - 302-302A, 3RD FLOOR, R R AUTO IND COMPLEX, MAKARPURA, VADODARA, GUJARAT, INDIA Site Facility				
1	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material	Surface Roughness Measurement	ASME B46.1
2	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials	Ferrite Measurement by Ferritoscope	ASTM A800/A800M
3	NON-DESTRUCTIVE-METALS & ALLOYS	Ferro Magnetic Materials	Magnetic Particle testing - by both visible & fluorescent technique using yoke, prod and coil wrap techniques	ASTM E709
4	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Material	Remote field eddy current testing	ASME Sec V Article 17
5	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic and Non Ferromagnetic Material	Eddy current testing	ASME Sec V Article 8
6	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Material	Eddy Current for Ferrous Tubes	ASME Sec V Article 17
7	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic material	MPT - Detection of surface flaws & subsurface flaws by both visible & fluorescent technique using yoke, prod and coil wrap method	ASME Sec V SE 709
8	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metals & its Alloys	Detection of Internal Flaws	ASME Sec V, Article 4 & 5
9	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metals & its Alloys	Detection of Internal Flaws	ISO 4386 (Part 1)
10	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metals & its Alloys	LPT by Visible & Florescent Technique using solvent removal technique - for Detection of flaws open to surface	ASME SEC V ART 24 SE 165
11	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metals & its Alloys	LPT by Visible & Florescent Technique using solvent removal technique - for Detection of flaws open to surface	ASME Sec V Article 6, Article 24 SE 165
12	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metals & its Alloys	LPT by Visible & Florescent Technique using solvent removal technique - for Detection of flaws open to surface	ISO 4386 (Part 3)

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14	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metals & its Alloys	Ultrasonic Testing: Detection of Internal Flaws	ASME SEC V ART 23 SA 578, SA 435
15	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metals & its Alloys	Ultrasonic Thickness Measurement	ASTM E797
16	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metals & its Alloys	Ultrasonic Thickness Measurement	ASTM E797
17	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metals & its Alloys	Ultrasonic Thickness Measurement	ASTM E797
18	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metals & its Alloys	Visual Examination - Direct and Remote	ASME Sec V Article 9
19	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Metals & its Alloys	Ultrasonic Testing: Detection of Internal Flaws	ASME SEC V ART 23 SA 609
20	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Metals & its Alloys - Forgings	Detection of Internal Flaws	SA 388/ ASTM A388
21	NON-DESTRUCTIVE-METALS & ALLOYS	Metals And Alloys	Ultrasonic test for metal Pipes and tubings	ASTM E213
22	NON-DESTRUCTIVE-METALS & ALLOYS	Non Ferromagnetic Material	Eddy Current Testing for Ferrous Tubes	ASME Sec V Art 8