National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL ENGINEERS CHENNAI PVT.LTD. (LABORATORY DIVISION), NO. 21A, NORTH PHASE, SIDCO INDUSTRIAL AREA, AMBATTUR, CHENNAI, TAMIL NADU, 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	Carbon & Alloy Steels	Aluminium	ASTM E415
2	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Aluminium	IS 8811
3	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Aluminium	JIS G 1253
4	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Arsenic	ASTM E415
5	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Arsenic	IS 8811
6	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Arsenic	JIS G 1253
7	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Boron	ASTM E415
8	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Chromium	ASTM E1251
9	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Cobalt	ASTM E1251
10	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Copper	ASTM E1251
11	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Iron	ASTM E1251
12	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Lead	ASTM E1251
13	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Magnesium	ASTM E1251
14	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Manganese	ASTM E1251
15	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Nickel	ASTM E1251
16	CHEMICAL- METALS & ALLOYS	Aluminum & its Alloys	Silicon	ASTM E1251
17	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Strontium	ASTM E1251
18	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Tin	ASTM E1251

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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	Aluminum & its alloys	Titanium	ASTM E1251
20	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Vanadium	ASTM E1251
21	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Zinc	ASTM E1251
22	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Antimony	ASTM E415
23	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Antimony	IS 8811
24	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Antimony	JIS G 1253
25	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Boron	IS 8811
26	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Boron	JIS G 1253
27	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Carbon	ASTM E415
28	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Carbon	IS 8811
29	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Carbon	JIS G 1253
30	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Chromium	ASTM E415
31	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Chromium	IS 8811
32	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Chromium	JIS G 1253
33	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Cobalt	ASTM E415
34	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Cobalt	IS 8811
35	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Cobalt	JIS G 1253
36	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Copper	ASTM E415
37	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Copper	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 & Alloy Steels	Copper	JIS G 1253
39	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Lead	ASTM E415
40	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Lead	IS 8811
41	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Lead	JIS G 1253
42	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Manganese	ASTM E415
43	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Manganese	IS 8811
44	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Manganese	JIS G 1253
45	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Molybdenum	ASTM E415
46	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Molybdenum	IS 8811
47	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Molybdenum	JIS G 1253
48	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Nickel	ASTM E415
49	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Nickel	IS 8811
50	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Nickel	JIS G 1253
51	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Niobium/Columbium	ASTM E415
52	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Niobium/Columbium	IS 8811
53	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Niobium/Columbium	JIS G 1253
54	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Nitrogen	ASTM E415
55	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Nitrogen	IS 8811
56	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Nitrogen	JIS G 1253

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
57	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Phosphorus	ASTM E415
58	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Phosphorus	IS 8811
59	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Phosphorus	JIS G 1253
60	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Silicon	ASTM E415
61	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Silicon	IS 8811
62	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Silicon	JIS G 1253
63	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Sulphur	ASTM E415
64	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Sulphur	IS 8811
65	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Sulphur	JIS G 1253
66	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Tin	ASTM E415
67	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Tin	IS 8811
68	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Tin	JIS G 1253
69	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Titanium	ASTM E415
70	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Titanium	IS 8811
71	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Titanium	JIS G 1253
72	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Tungsten	IS 8811
73	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Tungsten	JIS G 1253
74	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Vanadium	ASTM E415
75	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Vanadium	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
76	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steels	Vanadium	JIS G 1253
77	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	ASTM E1999
78	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium	ASTM E1999
79	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper	ASTM E1999
80	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	ASTM E1999
81	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdenum	ASTM E1999
82	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel	ASTM E1999
83	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus	ASTM E1999
84	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	ASTM E1999
85	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur	ASTM E1999
86	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Aluminum	BS EN 15079
87	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Antimony	BS EN 15079
88	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Arsenic	BS EN 15079
89	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Beryllium	BS EN 15079
90	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Bismuth	BS EN 15079
91	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Carbon	BS EN 15079
92	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Chromium	BS EN 15079
93	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Cobalt	BS EN 15079
94	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Iron	BS EN 15079

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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
95	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Lead	BS EN 15079
96	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Magnesium	BS EN 15079
97	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Manganese	BS EN 15079
98	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Nickel	BS EN 15079
99	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Phosphorus	BS EN 15079
100	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Silicon	BS EN 15079
101	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Silver	BS EN 15079
102	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Sulphur	BS EN 15079
103	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Tin	BS EN 15079
104	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Zinc	BS EN 15079
105	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Manganese	ASTM E3047
106	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Nitrogen	ASTM E3047
107	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Aluminium	ASTM E3047
108	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Carbon	ASTM E3047
109	CHEMICAL- METALS & ALLOYS	Nickel & Its alloys	Chromium	ASTM E3047
110	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Cobalt	ASTM E3047
111	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Copper	ASTM E3047
112	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Iron	ASTM E3047
113	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Molybdenum	ASTM E3047

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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
114	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Niobium/Columbium	ASTM E3047
115	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Phosphorus	ASTM E3047
116	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Silicon	ASTM E3047
117	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Tin	ASTM E3047
118	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Titanium	ASTM E3047
119	CHEMICAL- METALS & ALLOYS	Stainless Steel	Aluminium	IS 9879
120	CHEMICAL- METALS & ALLOYS	Stainless Steel	Aluminium	JIS G 1253
121	CHEMICAL- METALS & ALLOYS	Stainless Steel	Arsenic	IS 9879
122	CHEMICAL- METALS & ALLOYS	Stainless Steel	Arsenic	JIS G 1253
123	CHEMICAL- METALS & ALLOYS	Stainless Steel	Boron	IS 9879
124	CHEMICAL- METALS & ALLOYS	Stainless Steel	Boron	JIS G 1253
125	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM E1086
126	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS 9879
127	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	JIS G 1253
128	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E1086
129	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 9879
130	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	JIS G 1253
131	CHEMICAL- METALS & ALLOYS	Stainless Steel	Cobalt	IS 9879
132	CHEMICAL- METALS & ALLOYS	Stainless Steel	Cobalt	JIS G 1253

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
133	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E1086
134	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	IS 9879
135	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	JIS G 1253
136	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E1086
137	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS 9879
138	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	JIS G 1253
139	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E1086
140	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	IS 9879
141	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	JIS G 1253
142	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E1086
143	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 9879
144	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	JIS G 1253
145	CHEMICAL- METALS & ALLOYS	Stainless Steel	Niobium/Columbium	IS 9879
146	CHEMICAL- METALS & ALLOYS	Stainless Steel	Niobium/Columbium	JIS G 1253
147	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nitrogen	IS 9879
148	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nitrogen	JIS G 1253
149	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	ASTM E1086
150	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	IS 9879
151	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	JIS G 1253

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
152	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E1086
153	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	IS 9879
154	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	JIS G 1253
155	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	ASTM E1086
156	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	IS 9879
157	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	JIS G 1253
158	CHEMICAL- METALS & ALLOYS	Stainless Steel	Tantalum	IS 9879
159	CHEMICAL- METALS & ALLOYS	Stainless Steel	Tantalum	JIS G 1253
160	CHEMICAL- METALS & ALLOYS	Stainless Steel	Tin	IS 9879
161	CHEMICAL- METALS & ALLOYS	Stainless Steel	Tin	JIS G 1253
162	CHEMICAL- METALS & ALLOYS	Stainless Steel	Titanium	IS 9879
163	CHEMICAL- METALS & ALLOYS	Stainless Steel	Titanium	JIS G 1253
164	CHEMICAL- METALS & ALLOYS	Stainless Steel	Tungsten	IS 9879
165	CHEMICAL- METALS & ALLOYS	Stainless Steel	Tungsten	JIS G 1253
166	CHEMICAL- METALS & ALLOYS	Stainless Steel	Vanadium	IS 9879
167	CHEMICAL- METALS & ALLOYS	Stainless Steel	Vanadium	JIS G 1253
168	CHEMICAL- METALS & ALLOYS	Tool Steel	Aluminum	JIS G 1253
169	CHEMICAL- METALS & ALLOYS	Tool Steel	Antimony	JIS G 1253
170	CHEMICAL- METALS & ALLOYS	Tool Steel	Arsenic	JIS G 1253

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171	CHEMICAL- METALS & ALLOYS	Tool Steel	Boron	JIS G 1253
172	CHEMICAL- METALS & ALLOYS	Tool Steel	Carbon	JIS G 1253
173	CHEMICAL- METALS & ALLOYS	Tool Steel	Chromium	JIS G 1253
174	CHEMICAL- METALS & ALLOYS	Tool Steel	Cobalt	JIS G 1253
175	CHEMICAL- METALS & ALLOYS	Tool Steel	Copper	JIS G 1253
176	CHEMICAL- METALS & ALLOYS	Tool Steel	Lead	JIS G 1253
177	CHEMICAL- METALS & ALLOYS	Tool Steel	Manganese	JIS G 1253
178	CHEMICAL- METALS & ALLOYS	Tool Steel	Molybdenum	JIS G 1253
179	CHEMICAL- METALS & ALLOYS	Tool Steel	Nickel	JIS G 1253
180	CHEMICAL- METALS & ALLOYS	Tool Steel	Niobium/Columbium	JIS G 1253
181	CHEMICAL- METALS & ALLOYS	Tool Steel	Nitrogen	JIS G 1253
182	CHEMICAL- METALS & ALLOYS	Tool Steel	Phosphorus	JIS G 1253
183	CHEMICAL- METALS & ALLOYS	Tool Steel	Silicon	JIS G 1253
184	CHEMICAL- METALS & ALLOYS	Tool Steel	Sulphur	JIS G 1253
185	CHEMICAL- METALS & ALLOYS	Tool Steel	Tin	JIS G 1253
186	CHEMICAL- METALS & ALLOYS	Tool Steel	Titanium	JIS G 1253
187	CHEMICAL- METALS & ALLOYS	Tool Steel	Tungsten	JIS G 1253
188	CHEMICAL- METALS & ALLOYS	Tool Steel	Vanadium	JIS G 1253

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189	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Honey Comb	Core Density	IS 11642-2
190	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Alloys, Products	% Elongation after fracture	ASTM E8/E8M
191	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Alloys, Products	% Elongation after fracture	IS 1608 Part-1
192	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous alloys, Products	% Elongation after fracture	ISO 6892-1
193	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Alloys, Products	% Reduction of area	ASTM E8/E8M
194	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Alloys, Products	% Reduction of area	IS 1608-1
195	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Alloys, Products	% Reduction of area	ISO 6892-1
196	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Alloys, Products	IZOD Impact Test at Room Temperature ("V" Notch)	IS 1598
197	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Alloys, Products	Proof Strength (0.2%, 0.5%, 1 %),	IS 1608-1
198	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Alloys, Products	Proof Strength (0.2%, 0.5%, 1%)	ISO 6892 - 1
199	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Alloys, Products	Rockwell Hardness Test (HRBW)	ASTM E18
200	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Alloys, Products	Rockwell Hardness Test (HRBW)	IS 1586-1
201	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Alloys, Products	Rockwell Hardness Test (HRBW)	ISO 6508-1
202	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Alloys, Products	Rockwell Hardness Test (HRC)	ASTM E18

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203	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Alloys, Products	Rockwell Hardness Test (HRC)	IS 1586 Part-1
204	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Alloys, Products	Rockwell Hardness Test (HRC)	ISO 6508-1
205	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Alloys, Products	Tensile Strength	ASTM E8/E8M
206	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Alloys, Products	Tensile Strength	IS 1608-1
207	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Alloys, Products	Tensile strength	ISO 6892-1
208	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Alloys, Products	Yield Strength	ASTM E8/E8M
209	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Alloys, Products	Yield Strength	IS 1608-1
210	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Alloys, Products	Yield Strength	ISO 6892-1
211	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Alloys, Products	Yield strength (offset = 0.2%, 0.5%, 1%)	ASTM E8/E8M
212	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Alloys, Products (Including Weld & Welded specimen)	Charpy "V" Notch Impact Test (Room Temperature to Minus 80°C, and at Minus 196°C)	ISO 148-1
213	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Alloys, Products (Including Weld & Welded specimen)	Vickers Hardness HV10	ASTM E92
214	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Alloys, Products (Including Weld & Welded specimen)	Vickers Hardness HV10	IS 1501-1
215	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Alloys, Products (Including Weld & Welded specimen)	Vickers Hardness HV10	ISO 6507-1
216	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Alloys, Products (Including Weld & Welded specimen)	Vickers Hardness HV5	ASTM E92

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217	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Alloys, Products (Including Weld & Welded specimen)	Vickers Hardness HV5	IS 1501-1
218	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Alloys, Products (Including Weld & Welded specimen)	Vickers Hardness HV5	ISO 6507-1
219	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Alloys, Products	Coating Thickness	ASTM B499
220	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Alloys, Products	Coating Thickness	IS 6012
221	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nonferrous Weld & Welded Test Specimen	Vickers Hardness HV10	ISO 9015-1
222	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Nonferrous Weld & Welded Test Specimen	Vickers Hardness HV5	ISO 9015-1
223	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Alloy Products	Rockwell Hardness Test (HRA)	IS 1586-1
224	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Alloy Products	Rockwell Hardness Test (HRA)	ISO 6508-1
225	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Alloy Products	Vickers Hardness Test (HV1)	ASTM E92
226	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Alloy Products	Vickers Hardness Test (HV1)	ISO 6507-1
227	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Alloy Products	Rockwell Hardness Test (HRA)	ASTM E18
228	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Alloy Products	Vickers Hardness Test (HV1)	IS 1501-1
229	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, Alloys & Products	% Elongation after fracture	ASTM A370
230	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, Alloys & Products	% Reduction of area	ASTM A370

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231	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, alloys & Products	Bend Test	ASTM A370
232	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, alloys & Products	Bend Test	IS 1599
233	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, alloys & Products	Charpy "V" Notch Impact Test (Room Temperature to Minus 80°C, and at Minus 196°C)	IS 1757 Part 1
234	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, Alloys & Products	Tensile Strength	ASTM A370
235	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, Alloys & Products	Yield Strength	ASTM A370
236	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Yield strength (offset = 0.2%, 0.5%, 1%)	ASTM A370
237	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Powder Coated Items - Metallic Materials	Cupping Test	IS 101 Part 5 Sec 2 (c)
238	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Powder Coated Items - Metallic Materials	Dry Film thickness	IS 101 : Part 3 : Sec 2
239	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Powder Coated Items - Metallic Materials	Gloss @ 60°	IS 101 : Part 4 : Sec 4
240	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Powder Coated Items - Metallic Materials	Scratch hardness	IS 101 : Part 5 : Sec 2 (b)
241	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Powder Coated Items - Metallic Materials	Surface Finish	IS 101 : Part 3 : Sec 4
242	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Chisel and Peel Test	AWS B4.0
243	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Chisel and Peel Test	ISO 10447
244	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Face/Root/Side bend	API 1104

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245	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Face/Root/Side bend	AS 2205
246	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test Specimens	Face/Root/Side bend	ASME SEC IX, QW-160
247	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Face/Root/Side bend	AWS B4.0
248	MECHANICAL-MECHANICAL PROPERTIES OF METALS	welds & Welded Test Specimens	Face/Root/Side Bend	AWS D1.1/D1.1M (4)
249	MECHANICAL-MECHANICAL PROPERTIES OF METALS	welds & welded Test Specimens	Face/Root/Side bend	AWS D1.6/D1.6M (6)
250	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Face/Root/Side Bend	IBR
251	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Face/Root/Side bend	IS 2825
252	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Face/Root/Side bend	IS 7307-1
253	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Face/Root/Side bend	ISO 15614-1
254	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Face/Root/Side bend	ISO 5173
255	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Fracture Test	AS 2205
256	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Fracture Test	ASME SEC IX
257	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Fracture Test	AWS B4.0
258	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Fracture Test	AWS D1.1/D1.1M

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259	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Fracture Test	AWS D1.6/D1.6M
260	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Fracture Test	IBR 1950
261	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Fracture Test	IS 2825
262	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Fracture Test	IS 3600-8
263	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Fracture Test	IS 7307-1
264	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Fracture Test	ISO 15614-1
265	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Fracture Test	ISO 9017
266	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Nick Break Test	API 1104
267	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Nick Break Test	AS 2205
268	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Nick Break Test	AWS B4.0
269	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Nick Break Test	IBR
270	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Nick Break Test	IS 2825
271	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Nick Break Test	IS 3600-8
272	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Peel Test	ASME SEC IX

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273	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Peel Test	ISO 14270
274	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Shear Test	ASME SEC IX
275	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Shear Test	AWS B4.0
276	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Shear Test	ISO 14273
277	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Tensile Strength	API 1104
278	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Tensile Strength	AS 2205
279	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded Test Specimens	Tensile Strength	ASME SEC IX, QW-150
280	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Tensile Strength	AWS B4.0
281	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Tensile Strength	AWS D1.1/D1.1M
282	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded Test Specimens	Tensile Strength	AWS D1.6/D1.6M
283	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Tensile Strength	IBR
284	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Tensile Strength	IS 2825
285	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Tensile Strength	IS 3600-3
286	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Tensile Strength	IS 7307-1

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287	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Tensile Strength	ISO 15614-1
288	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Tensile Strength	ISO 4136
289	MECHANICAL-METALLOGRAPHY TEST	Welds & Welded Test Specimens	Macro Examination	AS 2205
290	MECHANICAL-METALLOGRAPHY TEST	Welds & Welded Test Specimens	Macro Examination	ASME SEC IX
291	MECHANICAL-METALLOGRAPHY TEST	Welds & Welded Test Specimens	Macro Examination	AWS B4.0
292	MECHANICAL-METALLOGRAPHY TEST	Welds & Welded Test Specimens	Macro Examination	AWS D1.1/D1.1M
293	MECHANICAL-METALLOGRAPHY TEST	Welds & Welded Test Specimens	Macro Examination	AWS D1.6/D1.6M
294	MECHANICAL-METALLOGRAPHY TEST	Welds & Welded Test Specimens	Macro Examination	IBR
295	MECHANICAL-METALLOGRAPHY TEST	Welds & Welded Test Specimens	Macro Examination	IS 2825
296	MECHANICAL-METALLOGRAPHY TEST	Welds & Welded Test Specimens	Macro Examination	IS 3600-9
297	MECHANICAL-METALLOGRAPHY TEST	Welds & Welded Test Specimens	Macro Examination	IS 7307-1
298	MECHANICAL-METALLOGRAPHY TEST	Welds & Welded Test Specimens	Macro Examination	ISO 17639
299	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Synthetic Rubber & products	Durometer hardness, Type-A	ASTM D2240