National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	URJA METALLURGICAL SERVICES, J/P-15, TELCO-BHOSARI ROAD, BHOSARI, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7748	**Page No**	1 of 28
Validity	18/09/2021 to 17/09/2023	**Last Amended on**	31/12/2021

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
Permanent Facility				
1	CHEMICAL- CORROSION TESTS	Coated Products / Panels / Raw Materials	Salt Spray Test	ASTM B 117
2	CHEMICAL- CORROSION TESTS	Coated Products / Panels / Raw Materials	Salt Spray Test	ISO 9227
3	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Metallic Coating (Galvanized Articles)	Mass Of Zinc Coating (Single Spot / Triple Spot Method)	ASTM A 90
4	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Metallic Coating (Galvanized Articles)	Mass Of Zinc Coating (Single Spot / Triple Spot Method)	IS 6745
5	CHEMICAL- METALS & ALLOYS	Alloy Steel	Chromium (Cr)	ASTM E 1476-4
6	CHEMICAL- METALS & ALLOYS	Alloy Steel	Cobalt (Co)	ASTM E 1476-4
7	CHEMICAL- METALS & ALLOYS	Alloy Steel	Copper (Cu)	ASTM E 1476-4
8	CHEMICAL- METALS & ALLOYS	Alloy Steel	Iron (Fe)	ASTM E 1476-4
9	CHEMICAL- METALS & ALLOYS	Alloy Steel	Manganese (Mn)	ASTM E 1476-4
10	CHEMICAL- METALS & ALLOYS	Alloy Steel	Molybdenum (Mo)	ASTM E 1476-4
11	CHEMICAL- METALS & ALLOYS	Alloy Steel	Nickel (Ni)	ASTM E 1476-4
12	CHEMICAL- METALS & ALLOYS	Alloy Steel	Niobium (Nb)	ASTM E 1476-4
13	CHEMICAL- METALS & ALLOYS	Alloy Steel	Titanium (Ti)	ASTM E 1476-4
14	CHEMICAL- METALS & ALLOYS	Alloy Steel	Vanadium (V)	ASTM E 1476-4
15	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloys	Chromium (Cr)	ASTM E 1251
16	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloys	Chromium (Cr)	IS 11035
17	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloys	Copper (Cu)	ASTM E 1251

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18	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloys	Copper (Cu)	IS 11035
19	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloys	Iron (Fe)	ASTM E 1251
20	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloys	Iron (Fe)	IS 11035
21	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloys	Lead (Pb)	ASTM E 1251
22	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloys	Lithium (Li)	ASTM E 1251
23	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloys	Magnesium (Mg)	ASTM E 1251
24	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloys	Magnesium (Mg)	IS 11035
25	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloys	Manganese (Mn)	ASTM E 1251
26	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloys	Manganese (Mn)	IS 11035
27	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloys	Nickel (Ni)	ASTM E 1251
28	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloys	Silicon (Si)	ASTM E 1251
29	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloys	Silicon (Si)	IS 11035
30	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloys	Tin (Sn)	ASTM E 1251
31	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloys	Titanium (Ti)	ASTM E 1251
32	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloys	Titanium (Ti)	IS 11035
33	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloys	Vanadium (V)	ASTM E 1251
34	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloys	Zinc (Zn)	ASTM E 1251
35	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloys	Zinc (Zn)	IS 11035
36	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloys	Zirconium (Zr)	ASTM E 1251

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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
37	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon (C)	ASTM E 1999
38	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon (C)	IS 15338
39	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon (C)	JIS G 1253
40	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium (Cr)	ASTM E 1999
41	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium (Cr)	IS 15338
42	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium (Cr)	JIS G 1253
43	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper (Cu)	ASTM E 1999
44	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper (Cu)	IS 15338
45	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese (Mn)	ASTM E 1999
46	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese (Mn)	IS 15338
47	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel (Ni)	ASTM E 1999
48	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel (Ni)	IS 15338
49	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus (P)	ASTM E 1999
50	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus (P)	IS 15338
51	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon (Si)	ASTM E 1999
52	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon (Si)	IS 15338
53	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur (S)	ASTM E 1999
54	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur (S)	IS 15338
55	CHEMICAL- METALS & ALLOYS	Cast Iron	Titanium (Ti)	ASTM E 1999

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56	CHEMICAL- METALS & ALLOYS	Cast Iron	Vanadium (V)	ASTM E 1999
57	CHEMICAL- METALS & ALLOYS	Cast Iron	Vanadium (V)	IS 15338
58	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Aluminium (Al)	BSEN 15079
59	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Antimony (Sb)	BSEN 15079
60	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Arsenic (As)	BSEN 15079
61	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Bismuth (Bi)	BSEN 15079
62	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Iron (Fe)	BSEN 15079
63	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Lead (Pb)	BSEN 15079
64	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Manganese (Mn)	BSEN 15079
65	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Nickel (Ni)	BSEN 15079
66	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Phosphorus (P)	BSEN 15079
67	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Silicon (Si)	BSEN 15079
68	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Tin (Sn)	BSEN15079
69	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Zinc (Zn)	BSEN 15079
70	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Aluminium (Al)	ASTM E 415
71	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Aluminium (Al)	IS 8811
72	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Aluminium (Al)	JIS G 1253
73	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Boron (B)	ASTM E 415
74	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Boron (B)	IS 8811

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75	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Boron (B)	JIS G 1253
76	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Carbon (C)	ASTM E 415
77	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Carbon (C)	IS 8811
78	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Carbon (C)	JIS G 1253
79	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Chromium (Cr)	ASTM E 415
80	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Chromium (Cr)	IS 8811
81	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Chromium (Cr)	JIS G 1253
82	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Cobalt (Co)	ASTM E 415
83	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Cobalt (Co)	IS 8811
84	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Cobalt (Co)	JIS G 1253
85	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Copper (Cu)	ASTM E 415
86	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Copper (Cu)	IS 8811
87	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Copper (Cu)	JIS G 1253
88	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Lead (Pb)	JIS G 1253
89	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Manganese (Mn)	ASTM E 415
90	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Manganese (Mn)	IS 8811
91	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Manganese (Mn)	JIS G 1253
92	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Molybdenum (Mo)	ASTM E 415
93	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Molybdenum (Mo)	IS 8811

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94	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Molybdenum (Mo)	JIS G 1253
95	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Nickel (Ni)	ASTME 415
96	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Nickel (Ni)	IS 8811
97	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Nickel (Ni)	JIS G 1253
98	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Niobium (Nb)	ASTM E 415
99	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Niobium (Nb)	IS 8811
100	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Niobium (Nb)	JIS G 1253
101	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Nitrogen (N)	ASTM E 415
102	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Nitrogen (N)	JIS G 1253
103	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Phosphorus (P)	ASTM E 415
104	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Phosphorus (P)	IS 8811
105	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Phosphorus (P)	JIS G 1253
106	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Silicon (Si)	ASTM E 415
107	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Silicon (Si)	IS 8811
108	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Silicon (Si)	JIS G 1253
109	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Sulphur (S)	ASTM E 415
110	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Sulphur (S)	IS 8811
111	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Sulphur (S)	JIS G 1253
112	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Tin (Sn)	ASTM E 415

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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
113	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Tin (Sn)	IS 8811
114	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Tin (Sn)	JIS G 1253
115	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Titanium (Ti)	ASTM E 415
116	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Titanium (Ti)	IS 8811
117	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Titanium (Ti)	JIS G 1253
118	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Vanadium (V)	ASTM E 415
119	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Vanadium (V)	IS 8811
120	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Vanadium (V)	JIS G 1253
121	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	Aluminium (Al)	UM/CHEM/TM/01 Issue No.1
122	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	Boron (B)	UM/CHEM/TM/01 Issue No.1
123	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	Carbon (C)	UM/CHEM/TM/01 Issue No.1
124	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	Chromium (Cr)	UM/CHEM/TM/01 Issue No.1
125	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	Cobalt (Co)	UM/CHEM/TM/01 Issue No.1
126	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	Copper (Cu)	UM/CHEM/TM/01 Issue No.1
127	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	Iron (Fe)	UM/CHEM/TM/01 Issue No.1
128	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	Magnesium (Mg)	UM/CHEM/TM/01 Issue No.1
129	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	Manganese (Mn)	UM/CHEM/TM/01 Issue No.1
130	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	Molybdenum (Mo)	UM/CHEM/TM/01 Issue No.1
131	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	Niobium (Nb)	UM/CHEM/TM/01 Issue No.1

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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
132	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	Nitrogen (N)	UM/CHEM/TM/01 Issue No.1
133	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	Phosphorous (P)	UM/CHEM/TM/01 Issue No.1
134	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	Silicon (Si)	UM/CHEM/TM/01 Issue No.1
135	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	Sulfur (S)	UM/CHEM/TM/01 Issue No.1
136	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	Tantalum (Ta)	UM/CHEM/TM/01 Issue No.1
137	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	Tin (Sn)	UM/CHEM/TM/01 Issue No.1
138	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	Titanium (Ti)	UM/CHEM/TM/01 Issue No.1
139	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	Tungsten (W)	UM/CHEM/TM/01 Issue No.1
140	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	Vanadium (V)	UM/CHEM/TM/01 Issue No.1
141	CHEMICAL- METALS & ALLOYS	Stainless Steel	Vanadium (V)	JIS G 1253
142	CHEMICAL- METALS & ALLOYS	Stainless Steel	Aluminium (Al)	JIS G 1253
143	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon (C)	ASTM E 1086
144	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon (C)	IS 9879
145	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon (C)	JIS G 1253
146	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium (Cr)	ASTM E 1086
147	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium (Cr)	IS 9879
148	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium (Cr)	JIS G 1253
149	CHEMICAL- METALS & ALLOYS	Stainless Steel	Cobalt (Co)	JIS G 1253
150	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper (Cu)	ASTM E 1086

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151	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper (Cu)	IS 9879
152	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper (Cu)	JIS G 1253:
153	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese (Mn)	ASTM E 1086
154	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese (Mn)	IS 9879
155	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese (Mn)	JIS G 1253
156	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum (Mo)	ASTM E 1086
157	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum (Mo)	IS 9879
158	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum (Mo)	JIS G 1253
159	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel (Ni)	IS 9879
160	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel (Ni)	JIS G 1253
161	CHEMICAL- METALS & ALLOYS	Stainless Steel	Niobium (Nb)	JIS G 1253
162	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nitrogen (N)	JIS G 1253
163	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus (P)	ASTM E 1086
164	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus (P)	IS 9879
165	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus (P)	JIS G 1253
166	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon (Si)	ASTM E 1086
167	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon (Si)	IS 9879
168	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon (Si)	JIS G 1253
169	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur (S)	ASTM E 1086

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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
170	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur (S)	IS 9879
171	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur (S)	JIS G 1253
172	CHEMICAL- METALS & ALLOYS	Stainless Steel	Titanium (Ti)	JIS G 1253
173	CHEMICAL- METALS & ALLOYS	Stainless Steel & Its Types	Nickel (Ni)	ASTM E 1086
174	CHEMICAL- METALS & ALLOYS	Tool Steel	Carbon (C)	JIS G 1253
175	CHEMICAL- METALS & ALLOYS	Tool Steel	Chromium (Cr)	JIS G 1253
176	CHEMICAL- METALS & ALLOYS	Tool Steel	Cobalt (Co)	JIS G 1253
177	CHEMICAL- METALS & ALLOYS	Tool Steel	Copper (Cu)	JIS G 1253
178	CHEMICAL- METALS & ALLOYS	Tool Steel	Manganese (Mn)	JIS G 1253
179	CHEMICAL- METALS & ALLOYS	Tool Steel	Molybdenum (Mo)	JIS G 1253
180	CHEMICAL- METALS & ALLOYS	Tool Steel	Nickel (Ni)	JIS G 1253
181	CHEMICAL- METALS & ALLOYS	Tool Steel	Phosphorus (P)	JIS G 1253
182	CHEMICAL- METALS & ALLOYS	Tool Steel	Silicon (Si)	JIS G 1253
183	CHEMICAL- METALS & ALLOYS	Tool Steel	Sulphur (S)	JIS G 1253
184	CHEMICAL- METALS & ALLOYS	Tool Steel	Tungsten (W)	JIS G 1253
185	CHEMICAL- METALS & ALLOYS	Tool Steel	Vanadium (V)	JIS G 1253
186	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Concrete Blocks	Bulk Density / Moisture Content Test	IS 6441 Part I
187	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Concrete Blocks	Drying Shrinkage Test	IS 6441 Part II
188	MECHANICAL- BUILDINGS MATERIALS	Concrete Cubes	Compressive Strength of Cubes	IS 516

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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
189	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Duplex Austenitic & Ferritic Stainless Steel	Method B (Charpy V Notch Temp -196 Deg C to Room Temp)	ASTM A 923
190	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, alloys & Products	Electroplated coating on Magnetic Material Coating Thickness - Magnetic Method	IS 3203
191	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Superficial Hardness (HR45N)	ASTM E 18
192	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Rockwell Hardness (HRC)	IS 1586 Part 1
193	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Rockwell Superficial Hardness (HR15N)	IS 1586 Part 1
194	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test (Rockwell Superficial Hardness (HR15N)	ASTM E 18
195	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Brinell Hardness (HBW 10/3000)	ASTM A 370
196	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Brinell Hardness (HBW 10/3000)	ASTM E 10
197	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Brinell Hardness (HBW 10/3000)	BS EN ISO 6506-1
198	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Brinell Hardness (HBW 10/3000)	IS 1500 Part 1
199	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Brinell Hardness (HBW 5/750)	ASTM A 370
200	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous materials, Alloys & Products	Hardness Test Brinell Hardness (HBW 5/750)	ASTM E 10
201	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Brinell Hardness (HBW 5/750)	BS EN ISO 6506-1
202	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Brinell Hardness (HBW 5/750)	IS 1500 Part 1

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203	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Rockwell Hardness (HRBW)	ASTM E18
204	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Rockwell Hardness (HRA)	ASTM A 370
205	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non ferrous Materials, Alloys & Products	Hardness Test Rockwell Hardness (HRA)	ASTM E18
206	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Rockwell Hardness (HRA)	IS 1586 Part 1
207	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Rockwell Hardness (HRBW)	ASTM A 370
208	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Rockwell Hardness (HRBW)	BS EN ISO 6508 Part 1
209	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Rockwell Hardness (HRBW)	IS 1586 Part 1
210	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness test Rockwell Hardness (HRC)	ASTM E 18
211	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non ferrous Materials, Alloys & Products	Hardness Test Rockwell Hardness (HRC)	BS EN ISO 6508 Part 1
212	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Rockwell Hardness (HRC)	IS 1586 Part 1
213	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Rockwell Hardness (HRC)	ASTM A 370
214	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Rockwell Hardness Test (HRA)	BS EN ISO 6508 Part 1
215	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Rockwell Superficial Hardness (HR15N)	ASTM A 370
216	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Rockwell Superficial Hardness (HR15N)	ISO 6508 (Part 1)

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217	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non ferrous Materials, Alloys & Products	Hardness Test Rockwell Superficial Hardness (HR15TW)	ASTM A 370
218	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Rockwell Superficial Hardness (HR15TW)	ASTM E18
219	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Rockwell Superficial Hardness (HR15TW)	BS EN ISO 6508 Part 1
220	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Rockwell Superficial Hardness (HR15TW)	IS 1586 Part 1
221	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Rockwell Superficial Hardness (HR30N)	ASTM A 370
222	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Rockwell Superficial Hardness (HR30N)	ASTM E 18
223	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Rockwell Superficial Hardness (HR30N)	IS 1586 Part 1
224	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Rockwell Superficial Hardness (HR30N)	ISO 6508 Part 1
225	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Rockwell Superficial Hardness (HR30TW)	ASTM A 370
226	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Rockwell Superficial Hardness (HR30TW)	ASTM E18
227	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Rockwell Superficial Hardness (HR30TW)	BS EN ISO 6508 Part 1
228	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Rockwell Superficial Hardness (HR30TW)	IS 1586 Part 1
229	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Rockwell Superficial Hardness (HR45N)	ASTM A370
230	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Rockwell Superficial Hardness (HR45N)	IS 1586 Part 1

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231	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Rockwell Superficial Hardness (HR45N)	ISO 6508 Part 1
232	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Rockwell Superficial Hardness (HR45TW)	ASTM E 18
233	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Rockwell Superficial Hardness (HR45TW)	BS EN ISO 6508 Part 1
234	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Rockwell Superficial Hardness (HR45TW)	IS 1586 Part 1
235	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Rockwell Superficial Hardness (HR45TW)	ASTM A 370
236	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Vickers Hardness (HV10)	ASTM A 370
237	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Vickers Hardness (HV10)	ASTM E 92
238	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Vickers Hardness (HV10)	BS EN ISO 6507 Part 1
239	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Vickers Hardness (HV10)	IS 1501 Part 1
240	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Vickers Hardness (HV30)	ASTM A 370
241	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Vickers Hardness (HV30)	ASTM E 92
242	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Vickers Hardness (HV30)	BS EN ISO 6507 Part 1
243	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Vickers Hardness (HV30)	IS 1501 Part 1
244	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Vickers Hardness (HV5)	ASTM A 370

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245	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Vickers Hardness (HV5)	BS EN ISO 6507 Part 1
246	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Vickers Hardness (HV5)	IS 1501 Part 1
247	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Vickers Micro Hardness (HV0.2)	BS EN ISO 6507 Part 1
248	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Vickers Micro Hardness (HV0.2)	ASTM A 370
249	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Vickers Micro Hardness (HV0.2)	ASTM E 92
250	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Vickers Micro Hardness (HV0.2)	IS 1501 Part 1
251	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Vickers Micro Hardness (HV0.5)	ASTM A 370
252	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Vickers Micro Hardness (HV0.5)	ASTM E 92
253	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Vickers Micro Hardness (HV0.5)	BS EN ISO 6507 Part 1
254	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Vickers Micro Hardness (HV0.5)	IS 1501 Part 1
255	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, alloys & Products	Hardness Test Vickers Micro Hardness (HV1)	ASTM A 370
256	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Vickers Micro Hardness (HV1)	ASTM E 92
257	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Vickers Micro Hardness (HV1)	BS EN ISO 6507 Part 1
258	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Vickers Micro Hardness (HV1)	IS 1501 Part 1

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259	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Hardness Test Vickres Hardness (HV5)	ASTM E 92
260	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (0.2 % Proof Stress)	ASTM A 370
261	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (0.2 % Proof Stress)	ASTM E8/E8M
262	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (0.2 % Proof Stress)	BS EN ISO 10164
263	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (0.2 % Proof Stress)	BS EN ISO 6892-1
264	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (0.2 % Proof Stress)	IS 1608 Part 1
265	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (0.2 % Proof Stress)	IS 1786
266	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (0.2 % Proof Stress)	ISO 898-1
267	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (0.5 % Proof Stress)	ASTM A 370
268	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (0.5 % Proof Stress)	ASTM E8/E8M
269	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (0.5 % Proof Stress)	BS EN ISO 10164
270	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (0.5 % Proof Stress)	BS EN ISO 6892-1
271	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (0.5 % Proof Stress)	IS 1608 Part 1
272	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (0.5 % Proof Stress)	IS 1786

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273	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (0.5 % Proof Stress)	ISO 898-1
274	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (1 % Proof Stress)	ASTM A 370
275	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (1 % Proof Stress)	ASTM E8/E8M
276	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (1 % Proof Stress)	BS EN ISO 10164
277	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (1 % Proof Stress)	BS EN ISO 6892-1
278	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (1 % Proof Stress)	IS 1608 Part 1
279	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (1 % Proof Stress)	IS 1786
280	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (1 % Proof Stress)	ISO 898-1
281	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (Elongation)	ASTM A 370
282	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (Elongation)	ASTM E8/E8M
283	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (Elongation)	BS EN ISO 10164
284	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (Elongation)	BS EN ISO 6892-1
285	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (Elongation)	IS 1608 Part 1
286	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (Elongation)	IS 1786

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287	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (Elongation)	ISO 898-1
288	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (Elongation)	JIS-Z-2241
289	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (Reduction Area)	ASTM A 370
290	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (Reduction Area)	ASTM E8/E8M
291	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (Reduction Area)	BS EN ISO 10164
292	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (Reduction Area)	BS EN ISO 6892-1
293	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (Reduction Area)	IS 1608 Part 1
294	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (Reduction Area)	IS 1786
295	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (Reduction Area)	ISO 898-1
296	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (Reduction Area)	JIS-Z-2241
297	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (Ultimate Tensile Strength)	ASTM A 370
298	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (Ultimate Tensile Strength)	BS EN ISO 10164
299	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (Ultimate Tensile Strength)	BS EN ISO 6892-1
300	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (Ultimate Tensile Strength)	IS 1786

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301	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (Ultimate Tensile Strength)	ISO 898-1
302	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (Ultimate Tensile Strength)	JIS -Z-2241
303	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (Ultimate Tensile Test)	ASTM E8/E8M
304	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (Ultimate Tensile Test)	IS 1608 Part 1
305	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (Yield Strees)	IS 1608 Part 1
306	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (Yield Stress)	ASTM A 370
307	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (Yield Stress)	ASTM E8/E8M
308	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (Yield Stress)	BS EN ISO 10164
309	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (Yield Stress)	BS EN ISO 6892-1
310	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (Yield Stress)	IS 1786
311	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (Yield Stress)	ISO 898-1
312	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Alloys & Products	Tensile Test (Yield Stress)	JIS-Z-2241
313	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals, Alloys & Products	Bend Test	ASTM A 290
314	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals, Alloys & Products	Bend Test	ASTM A 370

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315	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals, Alloys & Products	Bend Test	BS EN ISO 8491
316	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals, Alloys & Products	Bend Test	IS 1599
317	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals, Alloys & Products	Bend Test	IS 1786
318	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals, Alloys & Products	Bend Test	IS 2329
319	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals, Alloys & Products	Bend Test	IS 3600 Part 7
320	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Charpy Impact Test U Notch (Room Temp)	IS 1499
321	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Charpy Impact Test V & U Notch (Temp -196 Deg C to Room Temp)	ASTM A 370
322	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Charpy Impact Test V & U Notch (Temp -196 Deg C to Room Temp)	BS EN ISO 148-1
323	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Charpy Impact Test V & U Notch (Temp -196 Deg C to Room Temp)	ASTM E 23
324	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Charpy Impact Test V Notch (Temp -196 Deg C to Room Temp)	IS 1757 Part 1
325	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Crushing Test	ASTM A 370
326	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Flaring Test / Drift Expansion Test	ASTM A 1016
327	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Flaring Test / Drift Expansion Test	ASTM A 370
328	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Flaring Test / Drift Expansion Test	ASTM A 450

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329	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Flaring Test / Drift Expansion Test	ASTM A 999
330	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Flaring Test / Drift Expansion Test	BS EN ISO 8493
331	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Flaring Test / Drift Expansion Test	IS 2335
332	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Flattening Test	ASTM 450
333	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Flattening Test	ASTM A 1016
334	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Flattening Test	ASTM A 370
335	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Flattening Test	ASTM A 999
336	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Flattening Test	BS EN ISO 8492
337	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Flattening Test	IS 2328
338	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Izod Impact Test	IS 1598
339	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Jominy Hardenability Test by End Quench Method	ASTM A 255
340	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Jominy Hardenability Test by End Quench Method	IS 3848
341	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Proof Load Test	ASTM A 194
342	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Proof Load Test (Nuts)	ASTM A 193

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343	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Proof load Test (Nuts)	ASTM A 194
344	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Proof Load Test (Nuts)	ASTM A 370
345	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Proof Load Test (Nuts)	IS 1367 Part 3
346	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Proof Load Test (Nuts)	IS 1367 Part 6
347	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Proof Load Test (Nuts)	ISO- 898-2
348	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Sheet & Strip	Erichsen Cupping Test	ASTM A 370
349	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Sheet & Strip	Erichsen Cupping Test	BS EN ISO 20482
350	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Sheet & Strip	Erichsen Cupping Test	BS En ISO 8490
351	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Sheet & Strip	Erichsen Cupping Test	IS 10175
352	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Deformed Steel bar	Re-bend Test	IS 1768
353	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld Joints, Welded Steel Plates	Peel & Chisel Test	ISO 10447
354	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimen	Bend Test	ISO 15614-1
355	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimen	Macro Examination	ISO 15614-1
356	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimen)	Charpy Impact Test V Notch (Temp -196 Deg C to Room Temp)	AWS B4.0

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357	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimen)	Charpy Impact Test V Notch (Temp -196 Deg C to Room Temp)	ISO 15614-1
358	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	.Nick Break Test	IS 2825
359	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Bend Test	API 1104
360	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Bend Test	ASME Sec IX
361	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Bend Test	ASTM A 370
362	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Bend Test	AWS B4.0
363	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Bend test	AWS D1.1/D1.1M
364	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Bend Test	BS EN ISO 15614-2
365	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Bend Test	BS EN ISO 5173
366	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Bend Test	BS EN ISO 9606-1
367	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Bend Test	IS 3600 Part 5
368	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Bend Test	IS 3600 Part 7
369	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Charpy Impact Test V Notch (Temp -196 Deg C to Room Temp)	ASME Sec IX
370	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Fracture Test	API 1104

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371	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Fracture Test	ASME Sec IX
372	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Fracture Test	AWS B4.0
373	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Fracture Test	AWS D1.1/D1.1M
374	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Fracture Test	BS EN ISO 15614-2
375	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Fracture Test	BS EN ISO 9017
376	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Fracture Test	BS EN ISO 9606-1
377	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Hardness Test (Vickers Hardness HV10)	BS EN ISO 9015-1
378	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Hardness Test (Vickers Hardness HV5)	BS EN ISO 9015-1
379	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Hardness Test (Vickers Hardness HV5)	BS EN ISO 9015-2
380	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Macro & Micro Examination Test	IS 3600 Part 9
381	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Macro Examination	ASME Sec IX
382	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Macro Examination	AWS D1.1/D1.1M
383	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Macro Examination	BS EN ISO 15614-8
384	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Macro Examination	IS 7310 Part 1

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385	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Macro Examination	IS 7318 Part 1
386	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Macroscopic & Microscopic examination of Welds	BS EN ISO 5817
387	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Macroscopic & Microscopic Examination Of Welds	ISO 17639
388	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Nick Break Test	API 1104
389	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Nick Break Test	ASME Sec IX
390	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Nick Break Test	AWS B 4.0
391	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Nick Break Test	AWS D1.1/D1.1M
392	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Pull Out Test	BS EN ISO 15614-8
393	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Push Out Test	BS EN ISO 15614-8
394	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Tensile Test (Ultimate Tensile Strength)	API 1104
395	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Tensile Test (Ultimate Tensile Strength)	ASME Sec IX
396	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Tensile Test (Ultimate Tensile Strength)	AWS B4.0
397	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Tensile Test (Ultimate Tensile Strength)	AWS D1.1/D1.1M
398	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Tensile Test (Ultimate Tensile Strength)	BS EN 15614-2

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399	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Tensile Test (Ultimate Tensile Strength)	BS EN ISO 4136
400	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Tensile Test (Ultimate Tensile Strength)	IS 2825
401	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Tensile Test (Ultimate Tensile Strength)	IS 3600 Part 3
402	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Tensile Test (Ultimate Tensile Strength)	IS 3600 Part 4
403	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Tensile Test (Ultimate Tensile Strength)	ISO 15614 Part 1
404	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens (Ferrous & Non Ferrous Welded Test Specimens)	Tensile Test (Ultimate Tensile Strength)	ISO 5178
405	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	Intergranular Corrosion Test (Practice A)	ASTM A 262
406	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	Intergranular Corrosion Test (Practice B)	ASTM A 262
407	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	Intergranular Corrosion Test (Practice C)	ASTM A 262
408	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	Intergranular Corrosion Test (Practice E)	ASTM A 262
409	MECHANICAL-METALLOGRAPHY TEST	Duplex Austenitic & Ferritic Stainless Steels	Method A (Sodium Hydroxide Etch Test)	ASTM A 923
410	MECHANICAL-METALLOGRAPHY TEST	Duplex Austenitic & Ferritic Stainless Steels	Method B (Charpy V Notch Temp -196 Deg C to Room Temp)	ASTM A 923
411	MECHANICAL-METALLOGRAPHY TEST	Duplex Austenitic & Ferritic Stainless Steels	Method C (Ferric chloride corrosion test)	ASTM A 923
412	MECHANICAL-METALLOGRAPHY TEST	Ferritic, Austenitc & Ferritic Austenitic Stainless steel	Intergranular Corrosion Test	ISO 3651-1
413	MECHANICAL-METALLOGRAPHY TEST	Ferritic, Austenitc & Ferritic Austenitic Stainless steel	Intergranular Corrosion Test (Method A, B & C)	ISO 3651-2
414	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous Materials, Alloys & Products	Micro structural Characterization	ASM Handbook Vol. 9

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415	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials, Alloys & Products	Average Grain Size by Comparison Method	ASTM E 112
416	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials, Alloys & Products	Average Grain Size by Comparison Method	IS 4748
417	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials, Alloys & Products	Case depth measurement by micro hardness method	IS 6416
418	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials, Alloys & Products	Case depth measurement by Microscopic Method	IS 6416
419	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials, Alloys & Products	Case depth measurement by Microscopic Method	ISO 18203
420	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials, Alloys & Products	Depth of Decarburisation	ASTM E 1077
421	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials, Alloys & Products	Depth of Decarburisation	IS 6396
422	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials, Alloys & Products	Macro Examination	ASTM E 340
423	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials, Alloys & Products	Macro Examination	ASTM E 381
424	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials, Alloys & Products	Macro Examination	IS 11371
425	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials, Alloys & Products	Macro Examination	IS 13015
426	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials, Alloys & Products	Micro structural Characterization (Cast Iron)	ASTM A 247
427	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials, Alloys & Products	Micro structural Characterization (Cast Iron)	IS 7754
428	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials, Alloys & Products	Non Metallic Inclusion Rating by Comparison Method	ASTM E 45
429	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials, Alloys & Products	Non Metallic Inclusion Rating by Comparison Method	IS 4163
430	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials, Alloys & Products	Non Metallic Inclusion Rating by Comparison Method	ISO 4967
431	MECHANICAL-METALLOGRAPHY TEST	Nickel rich, Chromium bearing alloys	Method A (Ferric Sulfate - Sulfuric acid test)	ASTM G 28
432	MECHANICAL-METALLOGRAPHY TEST	Nickel rich, Chromium bearing alloys	Method B (Mixed acid - Oxidizing salt test)	ASTM G28
433	MECHANICAL-METALLOGRAPHY TEST	Stainless Steels, Nickel base alloys, Chromium bearing alloys	Method A (Ferric chloride pitting test)	ASTM G48

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434	MECHANICAL-METALLOGRAPHY TEST	Stainless Steels, Nickel base alloys, Chromium bearing alloys	Method B (Ferric chloride cervice Test)	ASTM G48
435	MECHANICAL-METALLOGRAPHY TEST	Stainless Steels, Nickel base alloys, Chromium bearing alloys	Method C (Critical Pitting Temperature Test)	ASTM G 48
436	MECHANICAL-METALLOGRAPHY TEST	Stainless Steels, Nickel base alloys, Chromium bearing alloys	Method D (Critical Crevice Temperature Test)	ASTM G 48
437	MECHANICAL-METALLOGRAPHY TEST	Stainless Steels, Nickel base alloys, Chromium bearing alloys	Method E (Critical Pitting Temperature Test)	ASTM G48
438	MECHANICAL-METALLOGRAPHY TEST	Stainless Steels, Nickel base alloys, Chromium bearing alloys	Method F (Critical Crevice Temperature Test)	ASTM G 48
439	MECHANICAL-METALLOGRAPHY TEST	Steel, Alloy Steel, Duplex steel & Stainless Steel	Phase content by volume fraction (Ferrite Content)	ASTM E 562