SCOPE OF ACCREDITATION

Laboratory Name : SSA LABS, 8GF, NANDAGOKULA INDUSTRIAL ESTATE, THIGALARAPALYA MAIN ROAD, BENGALURU, KARNATAKA, 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
Permanent Facility				
1	CHEMICAL- CORROSION TESTS	Coated Products / Panels / Raw Materials	NEUTRAL SALT SPRAY (NSS) TEST	ASTM B117
2	CHEMICAL- CORROSION TESTS	Coated Products / Panels / Raw Materials	NEUTRAL SALT SPRAY (NSS) TEST	IS 9844
3	CHEMICAL- CORROSION TESTS	Coated Products / Panels / Raw Materials	Salt Spray Test (NSS)	ISO 9227
4	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys Products	Bismuth	ASTM E 1251
5	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys Products	Chromium	ASTM E 1251
6	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys Products	Copper	ASTM E 1251
7	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys Products	Iron	ASTM E 1251
8	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys Products	Lead	ASTM E 1251
9	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys Products	Magnesium	ASTM E 1251
10	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys Products	Manganese	ASTM E 1251
11	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys Products	Nickel	ASTM E 1251
12	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys Products	Silicon	ASTM E 1251
13	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys Products	Tin	ASTM E 1251
14	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys Products	Titanium	ASTM E 1251
15	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys Products	Zinc	ASTM E 1251
16	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys Products	Zirconium	ASTM E 1251
17	CHEMICAL- METALS & ALLOYS	Cast Iron	Aluminium	IS 15338
18	CHEMICAL- METALS & ALLOYS	Cast Iron	Aluminum	JIS G 1253-1

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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
19	CHEMICAL- METALS & ALLOYS	Cast Iron	Boron	JIS G 1253-1
20	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	ASTM E 1999
21	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	IS 15338
22	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	JIS G 1253-1
23	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium	ASTM E 1999
24	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium	IS 15338
25	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium	JIS G 1253
26	CHEMICAL- METALS & ALLOYS	Cast Iron	Cobalt	JIS G 1253
27	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper	ASTM E 1999
28	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper	IS 15338
29	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper	JIS G 1253
30	CHEMICAL- METALS & ALLOYS	Cast Iron	Lead	JIS G 1253
31	CHEMICAL- METALS & ALLOYS	Cast Iron	Magnesium	JIS G 1253
32	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	ASTM E 1999
33	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	IS 15338
34	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	JIS G 1253
35	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdenum	ASTM E1999
36	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdenum	IS 15338
37	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdenum	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
38	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel	ASTM E 1999
39	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel	IS 15338
40	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel	JIS G 1253
41	CHEMICAL- METALS & ALLOYS	Cast Iron	Niobium	JIS G 1253
42	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorous	ASTM E 1999
43	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorous	IS 15338
44	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus	JIS G 1253
45	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	ASTM E 1999
46	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	IS 15338
47	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	JIS G 1253
48	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur	ASTM E1999
49	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur	IS 15338
50	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur	JIS G 1253
51	CHEMICAL- METALS & ALLOYS	Cast Iron	Titanium	ASTM E 1999
52	CHEMICAL- METALS & ALLOYS	Cast Iron	Titanium	JIS G 1253
53	CHEMICAL- METALS & ALLOYS	Cast Iron	Tungsten	JIS G 1253
54	CHEMICAL- METALS & ALLOYS	Cast Iron	Vanadium	ASTM E 1999
55	CHEMICAL- METALS & ALLOYS	Cast Iron	Vanadium	IS 15338
56	CHEMICAL- METALS & ALLOYS	Cast Iron	Vanadium	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	Copper & alloys	Zinc	ASTM E 1476- by portable XRF analyser , cl 7.1
58	CHEMICAL- METALS & ALLOYS	Copper & copper alloys	Aluminium	BS EN 15079
59	CHEMICAL- METALS & ALLOYS	Copper & copper alloys	Bismuth	BS EN 15079
60	CHEMICAL- METALS & ALLOYS	Copper & copper alloys	Chromium	BS EN 15079
61	CHEMICAL- METALS & ALLOYS	Copper & copper alloys	Iron	BS EN 15079
62	CHEMICAL- METALS & ALLOYS	Copper & copper alloys	Lead	BS EN 15079
63	CHEMICAL- METALS & ALLOYS	Copper & copper alloys	Manganese	BS EN 15079
64	CHEMICAL- METALS & ALLOYS	Copper & copper alloys	Nickel	BS EN 15079
65	CHEMICAL- METALS & ALLOYS	Copper & copper alloys	Phosphorous	BS EN 15079
66	CHEMICAL- METALS & ALLOYS	Copper & copper alloys	Silicon	BS EN 15079
67	CHEMICAL- METALS & ALLOYS	Copper & copper alloys	Silver	BS EN 15079
68	CHEMICAL- METALS & ALLOYS	Copper & copper alloys	Sulphur	BS EN 15079
69	CHEMICAL- METALS & ALLOYS	Copper & copper alloys	Tin	BS EN 15079
70	CHEMICAL- METALS & ALLOYS	Copper & copper alloys	Zinc	BS EN 15079
71	CHEMICAL- METALS & ALLOYS	Iron Base	Niobium	ASTM E 1476- by portable XRF analyser , cl 7.1
72	CHEMICAL- METALS & ALLOYS	Iron Base	Titanium	ASTM E 1476- by portable XRF analyser , cl 7.1
73	CHEMICAL- METALS & ALLOYS	Iron Base	Vanadium	ASTM E 1476- by portable XRF analyser , cl 7.1
74	CHEMICAL- METALS & ALLOYS	Iron, Copper & their alloys	Lead	ASTM E 1476- by portable XRF analyser , cl 7.1
75	CHEMICAL- METALS & ALLOYS	Iron, Copper & their alloys	Tin	ASTM E 1476- by portable XRF analyser , cl 7.1

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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
76	CHEMICAL- METALS & ALLOYS	Iron, Nickel & its alloys	Cobalt	ASTM E 1476- by portable XRF analyser , cl 7.1
77	CHEMICAL- METALS & ALLOYS	Iron, Nickel & its alloys	Molybdenum	ASTM E 1476- by portable XRF analyser , cl 7.1
78	CHEMICAL- METALS & ALLOYS	Iron, Nickel & their alloys	Tungsten	ASTM E 1476- by portable XRF analyser , cl 7.1
79	CHEMICAL- METALS & ALLOYS	Metals & Metallic Products (Iron,Copper, Nickel & their alloys)	Iron	ASTM E 1476- by portable XRF analyser , cl 7.1
80	CHEMICAL- METALS & ALLOYS	Metals & Metallic Products (Iron,Copper, Nickel & their alloys)	Manganese	ASTM E 1476- by portable XRF analyser , cl 7.1
81	CHEMICAL- METALS & ALLOYS	Metals & Metallic Products (Iron,Copper, Nickel & their alloys)	Chromium	ASTM E 1476- by portable XRF analyser , cl 7.1
82	CHEMICAL- METALS & ALLOYS	Metals & Metallic Products (Iron,Copper, Nickel & their alloys)	Copper	ASTM E 1476- by portable XRF analyser , cl 7.1
83	CHEMICAL- METALS & ALLOYS	Metals & Metallic Products (Iron,Copper, Nickel & their alloys)	Nickel	ASTM E 1476- by portable XRF analyser , cl 7.1
84	CHEMICAL- METALS & ALLOYS	Nickel & Nickel Alloys	Aluminium	ASTM E 3047
85	CHEMICAL- METALS & ALLOYS	Nickel & Nickel Alloys	Carbon	ASTM E 3047
86	CHEMICAL- METALS & ALLOYS	Nickel & Nickel Alloys	Chromium	ASTM E 3047
87	CHEMICAL- METALS & ALLOYS	Nickel & Nickel Alloys	Cobalt	ASTM E 3047
88	CHEMICAL- METALS & ALLOYS	Nickel & Nickel Alloys	Copper	ASTM E 3047
89	CHEMICAL- METALS & ALLOYS	Nickel & Nickel Alloys	Iron	ASTM E 3047
90	CHEMICAL- METALS & ALLOYS	Nickel & Nickel Alloys	Magnesium	ASTM E 3047
91	CHEMICAL- METALS & ALLOYS	Nickel & Nickel Alloys	Manganese	ASTM E 3047
92	CHEMICAL- METALS & ALLOYS	Nickel & Nickel Alloys	Molybdenum	ASTM E 3047
93	CHEMICAL- METALS & ALLOYS	Nickel & Nickel Alloys	Niobium	ASTM E 3047
94	CHEMICAL- METALS & ALLOYS	Nickel & Nickel Alloys	Phosphorus	ASTM E 3047

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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	Nickel & Nickel Alloys	Silicon	ASTM E 3047
96	CHEMICAL- METALS & ALLOYS	Nickel & Nickel Alloys	Sulphur	ASTM E 3047
97	CHEMICAL- METALS & ALLOYS	Nickel & Nickel Alloys	Titanium	ASTM E 3047
98	CHEMICAL- METALS & ALLOYS	Nickel & Nickel Alloys	Tungsten	ASTM E 3047
99	CHEMICAL- METALS & ALLOYS	Nickel & Nickel Alloys	Vanadium	ASTM E 3047
100	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Tin	ASTM E415
101	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Nickel	JIS G 1253-1
102	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Aluminium	ASTM E415
103	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Aluminium	IS 8811
104	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Aluminium	JIS G 1253-1
105	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Carbon	ASTM E415
106	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Carbon	IS 8811
107	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Carbon	JIS G 1253-1
108	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Chromium	ASTM E415
109	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Chromium	IS 8811
110	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Chromium	JIS G 1253-1
111	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Cobalt	ASTM E415
112	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Cobalt	IS 8811
113	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Cobalt	JIS G 1253-1

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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
114	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Copper	ASTM E415
115	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Copper	IS 8811
116	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Copper	JIS G 1253-1
117	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Lead	JIS G 1253-1
118	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Manganese	ASTM E415
119	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Manganese	IS 8811
120	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Manganese	JIS G 1253-1
121	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Molybdenum	ASTM E415
122	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Molybdenum	IS 8811
123	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Molybdenum	JIS G 1253-1
124	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Nickel	ASTM E415
125	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Nickel	IS 8811
126	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Niobium	ASTM E415
127	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Niobium	IS 8811
128	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Niobium	JIS G 1253-1
129	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Nitrogen	JIS G 1253-1
130	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Phosphorous	IS 8811
131	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Phosphorus	ASTM E415
132	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Phosphorus	JIS G 1253-1

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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
133	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Silicon	ASTM E415
134	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Silicon	IS 8811
135	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Silicon	JIS G 1253-1
136	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Sulphur	ASTM E415
137	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Sulphur	IS 8811
138	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Sulphur	JIS G 1253-1
139	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Tin	IS 8811
140	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Tin	JIS G 1253-1
141	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Titanium	ASTM E415
142	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Titanium	IS 8811
143	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Titanium	JIS G 1253-1
144	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Tungsten	JIS G 1253-1
145	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Vanadium	ASTM E415
146	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Vanadium	IS 8811
147	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEELS	Vanadium	JIS G 1253-1
148	CHEMICAL- METALS & ALLOYS	Stainless steel and High manganese steel Material and product's	Aluminum	JIS G 1253 -1
149	CHEMICAL- METALS & ALLOYS	Stainless steel and High manganese steel Material and product's	Carbon	JIS G 1253 -1
150	CHEMICAL- METALS & ALLOYS	Stainless steel and High manganese steel Material and product's	Chromium	JIS G 1253 -1
151	CHEMICAL- METALS & ALLOYS	Stainless steel and High manganese steel Material and product's	Cobalt	JIS G 1253 -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
152	CHEMICAL- METALS & ALLOYS	Stainless steel and High manganese steel Material and product's	Copper	JIS G 1253 -1
153	CHEMICAL- METALS & ALLOYS	Stainless steel and High manganese steel Material and product's	Manganese	JIS G 1253 -1
154	CHEMICAL- METALS & ALLOYS	Stainless steel and High manganese steel Material and product's	Molybdenum	JIS G 1253 -1
155	CHEMICAL- METALS & ALLOYS	Stainless steel and High manganese steel Material and product's	Nickel	JIS G 1253 -1
156	CHEMICAL- METALS & ALLOYS	Stainless steel and High manganese steel Material and product's	Niobium	JIS G 1253 -1
157	CHEMICAL- METALS & ALLOYS	Stainless steel and High manganese steel Material and product's	Nitrogen	JIS G 1253 -1
158	CHEMICAL- METALS & ALLOYS	Stainless steel and High manganese steel Material and product's	Phosphorus	JIS G 1253 -1
159	CHEMICAL- METALS & ALLOYS	Stainless steel and High manganese steel Material and product's	Silicon	JIS G 1253 -1
160	CHEMICAL- METALS & ALLOYS	Stainless steel and High manganese steel Material and product's	Sulphur	JIS G 1253 -1
161	CHEMICAL- METALS & ALLOYS	Stainless steel and High manganese steel Material and product's	Titanium	JIS G 1253 -1
162	CHEMICAL- METALS & ALLOYS	Stainless steel and High manganese steel Material and product's	Vanadium	JIS G 1253 -1
163	CHEMICAL- METALS & ALLOYS	Stainless steel Material and product's	Carbon	ASTM E 1086
164	CHEMICAL- METALS & ALLOYS	Stainless steel Material and product's	Carbon	IS 9879
165	CHEMICAL- METALS & ALLOYS	Stainless steel Material and product's	Chromium	ASTM E 1086
166	CHEMICAL- METALS & ALLOYS	Stainless steel Material and product's	Chromium	IS 9879
167	CHEMICAL- METALS & ALLOYS	Stainless steel Material and product's	Copper	ASTM E 1086
168	CHEMICAL- METALS & ALLOYS	Stainless steel Material and product's	Copper	IS 9879
169	CHEMICAL- METALS & ALLOYS	Stainless steel Material and product's	Manganese	ASTM E 1086
170	CHEMICAL- METALS & ALLOYS	Stainless steel Material and product's	Manganese	IS 9879

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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
171	CHEMICAL- METALS & ALLOYS	Stainless steel Material and product's	Molybdenum	ASTM E 1086
172	CHEMICAL- METALS & ALLOYS	Stainless steel Material and product's	Molybdenum	IS 9879
173	CHEMICAL- METALS & ALLOYS	Stainless steel Material and product's	Nickel	ASTM E 1086
174	CHEMICAL- METALS & ALLOYS	Stainless steel Material and product's	Nickel	IS 9879
175	CHEMICAL- METALS & ALLOYS	Stainless steel Material and product's	Phosphorous	IS 9879
176	CHEMICAL- METALS & ALLOYS	Stainless steel Material and product's	Phosphorus	ASTM E 1086
177	CHEMICAL- METALS & ALLOYS	Stainless steel Material and product's	Silicon	ASTM E 1086
178	CHEMICAL- METALS & ALLOYS	Stainless steel Material and product's	Silicon	IS 9879
179	CHEMICAL- METALS & ALLOYS	Stainless steel Material and product's	Sulphur	ASTM E 1086
180	CHEMICAL- METALS & ALLOYS	Stainless steel Material and product's	Sulphur	IS 9879
181	CHEMICAL- METALS & ALLOYS	Tools Steel, Die Steel, HSS, HCHCr Products	Carbon	JIS G 1253
182	CHEMICAL- METALS & ALLOYS	Tools Steel, Die Steel, HSS, HCHCr Products	Chromium	JIS G 1253
183	CHEMICAL- METALS & ALLOYS	Tools Steel, Die Steel, HSS, HCHCr Products	Cobalt	JIS G 1253
184	CHEMICAL- METALS & ALLOYS	Tools Steel, Die Steel, HSS, HCHCr Products	Manganese	JIS G 1253
185	CHEMICAL- METALS & ALLOYS	Tools Steel, Die Steel, HSS, HCHCr Products	Molybdenum	JIS G 1253
186	CHEMICAL- METALS & ALLOYS	Tools Steel, Die Steel, HSS, HCHCr Products	Nickel	JIS G 1253
187	CHEMICAL- METALS & ALLOYS	Tools Steel, Die Steel, HSS, HCHCr Products	Phosphorus	JIS G 1253
188	CHEMICAL- METALS & ALLOYS	Tools Steel, Die Steel, HSS, HCHCr Products	Silicon	JIS G 1253
189	CHEMICAL- METALS & ALLOYS	Tools Steel, Die Steel, HSS, HCHCr Products	Sulphur	JG 1253

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190	CHEMICAL- METALS & ALLOYS	Tools Steel, Die Steel, HSS, HCHCr Products	Tin	JIS G 1253
191	CHEMICAL- METALS & ALLOYS	Tools Steel, Die Steel, HSS, HCHCr Products	Tungsten	JIS G 1253
192	CHEMICAL- METALS & ALLOYS	Tools Steel, Die Steel, HSS, HCHCr Products	Vanadium	JIS G 1253
193	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Weld Joints	longitudinal tensile test	IS 3600 part 4
194	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Weld Joints	Micro Hardness Testing of Welded Joints	ISO 9015-2
195	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Weld Joints	Tensile Test Transverse	IS 3600 pt 3
196	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Weld Joints	Transverse Bend Test (Root Bend , Face Bend and Side Bend.)	IS 3600 pt 5
197	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Weld joints Transverse Bend Test (Root Bend , Face Bend & Side Bend)	Transverse Bend Test(Root Bend , Face Bend & Side Bend)	ASME Sec IX
198	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-ferrous metal welds & weld joints	Charpy Impact Test (RT to -70°C & -196°C)	ISO 148-1
199	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals & product's	HV by portal hardness test Ultrasonic Contact Impedance method)	ASTM A1038
200	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HSD	Mass per meter	IS 1786
201	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HSD Bar	Re-Bend	IS 1786
202	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HSD Bar	Tensile Test : % of Elongation	IS 1608-1
203	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HSD Bar	Tensile Test : 0.2% Proof Stress	IS 1608-1

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204	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HSD Bar	Tensile Test : Tensile strength	IS 1608-1
205	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HSD Bar	Tensile Test : Yield Strength	IS 1608-1
206	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HSD Bars	Bend Test	IS 1599
207	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Bend Test	IS 1599
208	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Bend Test	ISO 7438
209	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Brinell Hardness HBW 5 / 750	ISO 6506 - 1
210	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Brinell Hardness HBW 10 / 1000	ISO 6506-1
211	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Brinell Hardness HBW 10 / 3000	ASTM E-10
212	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Brinell Hardness HBW 10 / 3000	IS 1500 - 1
213	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Brinell Hardness HBW 10 / 3000	ISO 6506-1
214	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Brinell Hardness HBW 10 / 3000 by portal hardness tester	ASTM E-110
215	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Brinell Hardness HBW 2.5 / 187.5	ASTM E-10
216	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Brinell Hardness HBW 2.5 / 187.5	IS 1500-1
217	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Brinell Hardness HBW 2.5 / 187.5	ISO 6506 -1

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218	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Brinell Hardness HBW 5 / 250	ASTM E-10
219	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Brinell Hardness HBW 5 / 250	IS 1500-1
220	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Brinell Hardness HBW 5 / 250	ISO 6506-1
221	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Brinell Hardness HBW 5 / 750	ASTM E-10
222	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Brinell Hardness HBW 5 / 750	IS 1500-1
223	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Brinell Hardness HBW10/1000	ASTM E10
224	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Brinell Hardness HBW10/1000	IS 1500 -1
225	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Charpy Impact Test (RT to -70°C & -196°C)	IS 1757 part 1
226	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Charpy Impact Test (RT to -70°C & -196°C)	ISO 148-1
227	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Charpy Impact Testing (RT to -70° C & -196°C)	ASTM E23
228	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Impact Testing - Izod (RT)	IS1598
229	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Micro Vickers Hardness HV0.1	IS 1501-1
230	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Micro Vickers Hardness HV 0.5	IS 1501-1
231	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Micro Vickers Hardness HV0.1	ASTM E384

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232	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Micro Vickers Hardness HV0.1	ISO 6507-1
233	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Micro Vickers Hardness HV0.2	ASTM E384
234	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Micro Vickers Hardness Hv0.2	IS 1501-1
235	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Micro Vickers Hardness HV0.2	ISO 6507-1
236	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Micro Vickers Hardness HV0.3	ASTM E384
237	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Micro Vickers Hardness HV0.3	IS 1501-1
238	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Micro Vickers Hardness HV0.3	ISO 6507-1
239	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Micro Vickers Hardness HV0.5	ASTM E384
240	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Micro Vickers Hardness HV0.5	ISO 6507-1
241	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Micro Vickers hardness HV1	ASTM E384
242	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Micro Vickers hardness HV1	IS 1501-1
243	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Micro Vickers hardness HV1	ISO 6507-1
244	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Rockwell Hardness HRA	ASTM E18
245	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Rockwell Hardness HRA	IS 1586-1

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246	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Rockwell Hardness HRA	ISO 6508-1
247	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Rockwell Hardness HRB (W)	IS 1586 (Part 1)
248	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Rockwell Hardness HRB (W)	ASTM E18
249	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Rockwell Hardness HRB (W)	ISO 6508-1
250	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Rockwell Hardness HRC	ASTM E18
251	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Rockwell Hardness HRC	IS 1586 (Part 1)
252	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Rockwell Hardness HRC	ISO 6508-1
253	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Rockwell Superficial Hardness HR15T	ASTM E18
254	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Rockwell Superficial Hardness HR15T	IS 1586 (Part 1)
255	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Rockwell Superficial Hardness HR15T	ISO 6508-1
256	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Rockwell Superficial Hardness HR30N	ASTM E18
257	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Rockwell Superficial Hardness HR30N	IS 1586 (Part 1)
258	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Rockwell Superficial Hardness HR30N	ISO 6508-1
259	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Rockwell Superficial Hardness HR45N	ASTM E18

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260	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Rockwell Superficial Hardness HR45N	IS 1586 (Part 1)
261	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Rockwell Superficial Hardness HR45N	ISO 6508-1
262	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Rockwell Superficial HR15N	ASTM E18
263	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Rockwell Superficial HR15N	IS 1586 (Part 1)
264	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Rockwell Superficial HR15N	ISO 6508-1
265	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Shear Test	IS 5242
266	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Tensile Test : % of Elongation	ASTM E8/E8M
267	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Tensile Test : % of Elongation	IS 1608-1
268	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Tensile Test : % of Elongation	ISO 6892 part 1
269	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Tensile Test : % of Reduction in Area	ASTM E8/E8M
270	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Tensile Test : % of Reduction in Area	IS 1608 pt 1
271	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Tensile Test : % of Reduction in Area	ISO 6892 pt 1
272	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Tensile Test : 0.2% Proof Stress	ASTM E8/E8M
273	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Tensile Test : 0.2% Proof Stress	IS 1608

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274	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Tensile Test : Tensile strength	ASTM E8/E8M
275	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Tensile Test : Yield Strength	ASTM E8/E8M
276	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Tensile Test : Yield Strength	IS 1608-1
277	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Tensile Test : Yield Strength	ISO 6892 part 1
278	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Tensile Test : Yield Strength - 0.2% PS	ISO 6892 part 1
279	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Tensile Test :Tensile Strength	IS 1608-1
280	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Tensile Test :Tensile Strength	ISO 6892 part 1
281	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Tensile Test: % of Elongation	JIS Z 2241
282	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Tensile Test: % of Reduction of Area	JIS Z 2241
283	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Tensile Test: 0.2% Proof Stress	JIS Z 2241
284	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Tensile Test: Tensile Strength	JIS Z 2241
285	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Tensile Test: Yield Strength	JIS Z 2241
286	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Vickers Hadness HV10	IS 1501-1
287	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Vickers Hadness HV10	ISO 6507-1

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288	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Vickers Hadness HV30	ASTM E92
289	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Vickers Hardness HV10	ASTM E92
290	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Vickers Hardness HV30	IS 1501-1
291	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Vickers Hardness HV30	ISO 6507-1
292	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Vickers Hardness HV5	ASTM E92
293	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Vickers Hardness HV5	IS 1501-1
294	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Vickers Hardness HV5	ISO 6507-1
295	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Tube)	Drift Expanding test	ISO 8493
296	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Tube)	Drift Expanding Test	IS 2335
297	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Tube)	Flattening Test	ISO 8492
298	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Tubes)	Flattening Test	IS 2328
299	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Stainless Steel Materials	Charpy Impact Testing (RT to -70°C & -196°C)	ASTM A923
300	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Materials	Leeb Hardness Test (Portable Hardness)	ASTM A956
301	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Materials	Tensile Test: % of Elongation	ASTM A370

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302	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Materials	Tensile Test: % of Reduction Area	ASTM A370
303	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Materials	Tensile Test: 0.2% Proof Stress	ASTM A370
304	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Materials	Tensile Test: Tensile Strength	ASTM A370
305	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Materials	Tensile Test: Yield Strength	ASTM A370
306	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes	Crushing Test	IS 3074
307	MECHANICAL-METALLOGRAPHY TEST	Cast Irons	Micro Examination	ISO 945-1
308	MECHANICAL-METALLOGRAPHY TEST	Coated Products	Coating or Plating Layer Thickness by microscopic Method	IS 3203
309	MECHANICAL-METALLOGRAPHY TEST	Coated Products	Coating Thickness by Microscopic Method	ASTM B487
310	MECHANICAL-METALLOGRAPHY TEST	Ferrous metals & product's	Grain size in Metals	ASTM E112
311	MECHANICAL-METALLOGRAPHY TEST	Ferrous metals & product's	Grain size in Metals	ASTM E1382
312	MECHANICAL-METALLOGRAPHY TEST	Ferrous metals & product's	Grain size in Metals	ISO 643
313	MECHANICAL-METALLOGRAPHY TEST	Ferrous metals & product's	Macro etch of Ferrous metals & alloys	ASTM E340
314	MECHANICAL-METALLOGRAPHY TEST	Ferrous metals and product's	Grain size in Metals	IS 4748
315	MECHANICAL-METALLOGRAPHY TEST	Ferrous metals and product's	Microstructure Analysis	ASM Hand book Vol IX
316	MECHANICAL-METALLOGRAPHY TEST	Ferrous metals and product's	Steel Inclusion rating	ASTM E45 Method A
317	MECHANICAL-METALLOGRAPHY TEST	Ferrous metals and product's	Steel Inclusion rating	IS 4163
318	MECHANICAL-METALLOGRAPHY TEST	Ferrous metals and product's	Steel Inclusion rating	ISO 4967

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319	MECHANICAL-METALLOGRAPHY TEST	Ferrous metals and product's	Volume Fraction	ASTM E 1245
320	MECHANICAL-METALLOGRAPHY TEST	Gray Cast Iron & SG Iron Materials	Micro Examination Graphite Flakes / Nodules type and size, Distribution characteristics and matrix analysis	IS 7754
321	MECHANICAL-METALLOGRAPHY TEST	Gray Cast Iron & SG Iron Materials	Micro Examination Graphite Flakes / Nodules type and size, Distribution characteristics and matrix analysis	ASTM A247
322	MECHANICAL-METALLOGRAPHY TEST	Hardened Steel Materials	Case Depth by Microscopic Method	IS 13691
323	MECHANICAL-METALLOGRAPHY TEST	Hardened Steel Materials	Case Depth by Microscopic Method	IS 6416
324	MECHANICAL-METALLOGRAPHY TEST	Hardened Steel Materials	Case Depth By Microvickers Hardness Method	IS 13691: 1993 RA
325	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials (Ferrous & Non-ferrous)	Determining Volume Fraction	ASTM E 562
326	MECHANICAL-METALLOGRAPHY TEST	Nickel rich Chromium Bearing alloys	Critical Pitting Corrosion (Method C)	ASTM G48
327	MECHANICAL-METALLOGRAPHY TEST	Nickel rich Chromium Bearing alloys	Intergranular Corrosion Test (Method A)	ASTM G28
328	MECHANICAL-METALLOGRAPHY TEST	Non-ferrous metal's and product's	Microstructure Analysis	ASM Hand book Vol.9
329	MECHANICAL-METALLOGRAPHY TEST	Non-ferrous metal's and product's	Grain size in Metals	ASTM E112
330	MECHANICAL-METALLOGRAPHY TEST	Non-ferrous metal's and product's	Macro etching Metals and Alloys	ASTM E 340
331	MECHANICAL-METALLOGRAPHY TEST	Non-ferrous metals and product's	Volume Fraction	ASTM E 1245
332	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel Materials	Crevice Corrosion Test (Method B)	ASTM G48
333	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel Materials	Critical Pitting Corrosion Test (Method E)	ASTM G48
334	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel Materials	Ferrite Content Measurement	ISO 17781
335	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel Materials	Intergranular Corrosion Test (Huey Test)	ISO 3651 P-1

SCOPE OF ACCREDITATION

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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
336	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel Materials	Intergranular Corrosion Test (Method A, B, C)	ISO 3651 P-2
337	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel Materials	Intergranular Corrosion Test (Practice A)	ASTM A262
338	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel Materials	Intergranular Corrosion Test (Practice B)	ASTM A262
339	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel Materials	Intergranular Corrosion Test (Practice C)	ASTM A262
340	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel Materials	Intergranular Corrosion Test (Practice E)	ASTM A262
341	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel Materials	Micro Structure Analysis	ASTM A923 (Method A)
342	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel Materials	Micro Structure Analysis	ISO 17781
343	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel Materials	Pitting Corrosion Test (Method A)	ASTM G48
344	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel Materials	Pitting Corrosion Test (Method A)	ISO 17781
345	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel Materials	Pitting Corrosion Test (Method C)	ASTM A923
346	MECHANICAL-METALLOGRAPHY TEST	Steel Bars, Billets, Blooms & Forgings	Macro Examination	ASTM E381
347	MECHANICAL-METALLOGRAPHY TEST	Steel Materials	Decarb Measurement	ASTM E1077
348	MECHANICAL-METALLOGRAPHY TEST	Steel Materials	Decarb Measurement	JIS G 0558
349	MECHANICAL-METALLOGRAPHY TEST	Steel Materials	Decarburisation Depth	IS 6396
350	MECHANICAL-METALLOGRAPHY TEST	Steel Materials	Grain size Measurement	JIS G 0551
351	MECHANICAL-METALLOGRAPHY TEST	Steel Materials	Hardenability of Steel (Jominy Test)	ASTM A255
352	MECHANICAL-METALLOGRAPHY TEST	Steel Materials	Hardenability test by end quenching (Jominy Test)	ISO 642
353	MECHANICAL-METALLOGRAPHY TEST	Steel Materials	Inclusion Rating	JIS G 0555
354	MECHANICAL-METALLOGRAPHY TEST	Steel Materials	Macro examination	JIS G 0553

SCOPE OF ACCREDITATION

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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
355	MECHANICAL-METALLOGRAPHY TEST	Weld Products	Macro Examination	ASME SEC IX
356	MECHANICAL-METALLOGRAPHY TEST	Weld Products	Macro Examination	ISO 17639
357	MECHANICAL-METALLOGRAPHY TEST	Weld Products	Macro Examination & Weld Measurement	ISO 5817
358	MECHANICAL-METALLOGRAPHY TEST	Weld Products	Macroscopic and Microscopic examination of weld Joints	IS 3600-9

SCOPE OF ACCREDITATION

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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
Site Facility				
1	CHEMICAL- METALS & ALLOYS	Copper & alloys	Zinc	ASTM E 1476- by portable XRF analyser , cl 7.1
2	CHEMICAL- METALS & ALLOYS	Iron Base	Niobium	ASTM E 1476- by portable XRF analyser , cl 7.1
3	CHEMICAL- METALS & ALLOYS	Iron Base	Titanium	ASTM E 1476- by portable XRF analyser , cl 7.1
4	CHEMICAL- METALS & ALLOYS	Iron Base	Vanadium	ASTM E 1476- by portable XRF analyser , cl 7.1
5	CHEMICAL- METALS & ALLOYS	Iron, Copper & their alloys	Lead	ASTM E 1476- by portable XRF analyser , cl 7.1
6	CHEMICAL- METALS & ALLOYS	Iron, Copper & their alloys	Tin	ASTM E 1476- by portable XRF analyser , cl 7.1
7	CHEMICAL- METALS & ALLOYS	Iron, Nickel & its alloys	Cobalt	ASTM E 1476- by portable XRF analyser , cl 7.1
8	CHEMICAL- METALS & ALLOYS	Iron, Nickel & its alloys	Molybdenum	ASTM E 1476- by portable XRF analyser , cl 7.1
9	CHEMICAL- METALS & ALLOYS	Iron, Nickel & their alloys	Tungsten	ASTM E 1476- by portable XRF analyser , cl 7.1
10	CHEMICAL- METALS & ALLOYS	Metals & Metallic Products (Iron,Copper, Nickel & their alloys)	Iron	ASTM E 1476- by portable XRF analyser , cl 7.1
11	CHEMICAL- METALS & ALLOYS	Metals & Metallic Products (Iron,Copper, Nickel & their alloys)	Manganese	ASTM E 1476- by portable XRF analyser , cl 7.1
12	CHEMICAL- METALS & ALLOYS	Metals & Metallic Products (Iron,Copper, Nickel & their alloys)	Chromium	ASTM E 1476- by portable XRF analyser , cl 7.1
13	CHEMICAL- METALS & ALLOYS	Metals & Metallic Products (Iron,Copper, Nickel & their alloys)	Copper	ASTM E 1476- by portable XRF analyser , cl 7.1
14	CHEMICAL- METALS & ALLOYS	Metals & Metallic Products (Iron,Copper, Nickel & their alloys)	Nickel	ASTM E 1476- by portable XRF analyser , cl 7.1
15	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metals & product's	HV by portal hardness test Ultrasonic Contact Impedance method)	ASTM A1038
16	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous & Non-ferrous)	Brinell Hardness HBW 10 / 3000 by portal hardness tester	ASTM E-110
17	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Materials	Leeb Hardness Test (Portable Hardness)	ASTM A956