SCOPE OF ACCREDITATION

Laboratory Name : MICROLAB, 10A, RMT BUNGALOW ROAD, SAI NAGAR 2ND CROSS, SIDCO INDUSTRIAL ESTATE, COIMBATORE, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 03/12/2022 to 02/12/2024 **Last Amended on** 31/01/2023

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	Austenitic & Ferritic-Austenitic Stainless Steel	Pitting Corrosion Test for Stainless Steel	ISO 3651 Part 2(Method- B)
2	CHEMICAL- CORROSION TESTS	Austenitic Stainless Steels	Intergranular Corrosion Test - Practice A	ASTM A262
3	CHEMICAL- CORROSION TESTS	Austenitic Stainless Steels	Intergranular Corrosion Test - Practice B	ASTM A262
4	CHEMICAL- CORROSION TESTS	Austenitic Stainless Steels	Intergranular Corrosion Test - Practice C	ASTM A262
5	CHEMICAL- CORROSION TESTS	Austenitic Stainless Steels	Intergranular Corrosion Test - Practice E	ASTM A262
6	CHEMICAL- CORROSION TESTS	Duplex Austenitic / Ferritic Stainless Steels	Pitting Corrosion Test - Method C	ASTM A923
7	CHEMICAL- CORROSION TESTS	Ferritic /Austentic (Duplex) Stainless Steel (Material Grade : Type 22Cr,25 Cr and 27Cr)	Pitting Corrosion Test - Method "A"	ISO 17781(Clause 5.5)
8	CHEMICAL- CORROSION TESTS	Stainless Steels and Nickel-Base, Chromium-Bearing Alloys	Pitting Corrosion Test - Method A	ASTM G48
9	CHEMICAL- CORROSION TESTS	Wrought Nickel-Rich, Chromium-Bearing Alloys	Pitting Corrosion Test - Method A	ASTM G28
10	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Berillium	ASTM E1251
11	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Bismuth	ASTM E1251
12	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Chromium	ASTM E1251
13	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Copper	ASTM E1251
14	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Iron	ASTM E1251
15	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Lead	ASTM E1251
16	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Magnesium	ASTM E1251
17	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Manganese	ASTM E1251
18	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Nickel	ASTM E1251

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Laboratory Name : MICROLAB, 10A, RMT BUNGALOW ROAD, SAI NAGAR 2ND CROSS, SIDCO INDUSTRIAL ESTATE, COIMBATORE, TAMIL NADU, INDIA

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
19	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Silicon	ASTM E1251
20	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Tin	ASTM E1251
21	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Titanium	ASTM E1251
22	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Vanadium	ASTM E1251
23	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Zinc	ASTM E1251
24	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Zirconium	ASTM E1251
25	CHEMICAL- METALS & ALLOYS	Carbon Steel (High Carbon & Alloy Steel)	Phosphorus	JIS G1253
26	CHEMICAL- METALS & ALLOYS	Carbon Steel (High Carbon & Alloy Steel)	Carbon	ASTM E1999
27	CHEMICAL- METALS & ALLOYS	Carbon Steel (High Carbon & Alloy Steel)	Carbon	JIS G1253
28	CHEMICAL- METALS & ALLOYS	Carbon Steel (High Carbon & Alloy Steel)	Chromium	ASTM E1999
29	CHEMICAL- METALS & ALLOYS	Carbon Steel (High Carbon & Alloy Steel)	Chromium	JIS G1253
30	CHEMICAL- METALS & ALLOYS	Carbon Steel (High Carbon & Alloy Steel)	Copper	ASTM E1999
31	CHEMICAL- METALS & ALLOYS	Carbon Steel (High Carbon & Alloy Steel)	Copper	JIS G1253
32	CHEMICAL- METALS & ALLOYS	Carbon Steel (High Carbon & Alloy Steel)	Magnesium	JIS G1253
33	CHEMICAL- METALS & ALLOYS	Carbon Steel (High Carbon & Alloy Steel)	Manganese	ASTM E1999
34	CHEMICAL- METALS & ALLOYS	Carbon Steel (High Carbon & Alloy Steel)	Manganese	JIS G1253
35	CHEMICAL- METALS & ALLOYS	Carbon Steel (High Carbon & Alloy Steel)	Molybdenum	ASTM E1999
36	CHEMICAL- METALS & ALLOYS	Carbon Steel (High Carbon & Alloy Steel)	Molybdenum	JIS G1253
37	CHEMICAL- METALS & ALLOYS	Carbon Steel (High Carbon & Alloy Steel)	Nickel	ASTM E1999

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
38	CHEMICAL- METALS & ALLOYS	Carbon Steel (High Carbon & Alloy Steel)	Nickel	JIS G1253
39	CHEMICAL- METALS & ALLOYS	Carbon Steel (High Carbon & Alloy Steel)	Phosphorus	ASTM E1999
40	CHEMICAL- METALS & ALLOYS	Carbon Steel (High Carbon & Alloy Steel)	Silicon	ASTM E1999
41	CHEMICAL- METALS & ALLOYS	Carbon Steel (High Carbon & Alloy Steel)	Silicon	JIS G1253
42	CHEMICAL- METALS & ALLOYS	Carbon Steel (High Carbon & Alloy Steel)	Sulphur	ASTM E1999
43	CHEMICAL- METALS & ALLOYS	Carbon Steel (High Carbon & Alloy Steel)	Sulphur	JIS G1253
44	CHEMICAL- METALS & ALLOYS	Carbon Steel (High Carbon & Alloy Steel)	Tin	ASTM E1999
45	CHEMICAL- METALS & ALLOYS	Carbon Steel (High Carbon & Alloy Steel)	Tin	JIS G1253
46	CHEMICAL- METALS & ALLOYS	Carbon Steel (High Carbon & Alloy Steel)	Titanium	ASTM E1999
47	CHEMICAL- METALS & ALLOYS	Carbon Steel (High Carbon & Alloy Steel)	Titanium	JIS G1253
48	CHEMICAL- METALS & ALLOYS	Carbon Steel (High Carbon & Alloy Steel)	Tungsten	JIS G1253
49	CHEMICAL- METALS & ALLOYS	Carbon Steel (High Carbon & Alloy Steel)	Vanadium	ASTM E1999
50	CHEMICAL- METALS & ALLOYS	Carbon Steel (High Carbon & Alloy Steel)	Vanadium	JIS G1253
51	CHEMICAL- METALS & ALLOYS	Cobalt & Cobalt Alloy	Vanadium	MLCBE/VAL/Co/2022 Dt May 2022 by OES
52	CHEMICAL- METALS & ALLOYS	Cobalt & Cobalt Alloys	Aluminium	MLCBE/VAL/Co/2022 Dt May 2022 by OES
53	CHEMICAL- METALS & ALLOYS	Cobalt & Cobalt Alloys	Boron	MLCBE/VAL/Co/2022 Dt May 2022 by OES
54	CHEMICAL- METALS & ALLOYS	Cobalt & Cobalt Alloys	Carbon	MLCBE/VAL/Co/2022 Dt May 2022 by OES
55	CHEMICAL- METALS & ALLOYS	Cobalt & Cobalt Alloys	Chromium	MLCBE/VAL/Co/2022 Dt May 2022 by OES
56	CHEMICAL- METALS & ALLOYS	Cobalt & Cobalt Alloys	Copper	MLCBE/VAL/Co/2022 Dt May 2022 by OES

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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	Cobalt & Cobalt Alloys	Iron	MLCBE/VAL/Co/2022 Dt May 2022 by OES
58	CHEMICAL- METALS & ALLOYS	Cobalt & Cobalt Alloys	Manganese	MLCBE/VAL/Co/2022 Dt May 2022 by OES
59	CHEMICAL- METALS & ALLOYS	Cobalt & Cobalt Alloys	Molybdenum	MLCBE/VAL/Co/2022 Dt May 2022 by OES
60	CHEMICAL- METALS & ALLOYS	Cobalt & Cobalt Alloys	Nickel	MLCBE/VAL/Co/2022 Dt May 2022 by OES
61	CHEMICAL- METALS & ALLOYS	Cobalt & Cobalt Alloys	Niobium	MLCBE/VAL/Co/2022 Dt May 2022 by OES
62	CHEMICAL- METALS & ALLOYS	Cobalt & Cobalt Alloys	Phosphorus	MLCBE/VAL/Co/2022 Dt May 2022 by OES
63	CHEMICAL- METALS & ALLOYS	Cobalt & Cobalt Alloys	Silicon	MLCBE/VAL/Co/2022 Dt May 2022 by OES
64	CHEMICAL- METALS & ALLOYS	Cobalt & Cobalt Alloys	Sulphur	MLCBE/VAL/Co/2022 Dt May 2022 by OES
65	CHEMICAL- METALS & ALLOYS	Cobalt & Cobalt Alloys	Tantalum	MLCBE/VAL/Co/2022 Dt May 2022 by OES
66	CHEMICAL- METALS & ALLOYS	Cobalt & Cobalt Alloys	Titanium	MLCBE/VAL/Co/2022 Dt May 2022 by OES
67	CHEMICAL- METALS & ALLOYS	Cobalt & Cobalt Alloys	Tungsten	MLCBE/VAL/Co/2022 Dt May 2022 by OES
68	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Aluminium	BS EN 15079
69	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Antimony	BS EN 15079
70	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Arsenic	BS EN 15079
71	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Beryllium	BS EN 15079
72	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Bismuth	BS EN 15079
73	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Chromium	BS EN 15079
74	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Cobalt	BS EN 15079
75	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Iron	BS EN 15079

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Laboratory Name : MICROLAB, 10A, RMT BUNGALOW ROAD, SAI NAGAR 2ND CROSS, SIDCO INDUSTRIAL ESTATE, COIMBATORE, TAMIL NADU, 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
76	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Lead	BS EN 15079
77	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Magnesium	BS EN 15079
78	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Manganese	BS EN 15079
79	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Nickel	BS EN 15079
80	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Phosphorous	BS EN 15079
81	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Silicon	BS EN 15079
82	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Silver	BS EN 15079
83	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Sulphur	BS EN 15079
84	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Tin	BS EN 15079
85	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Zinc	BS EN 15079
86	CHEMICAL- METALS & ALLOYS	Low Alloy Steels	Aluminium	ASTM E415
87	CHEMICAL- METALS & ALLOYS	Low Alloy Steels	Aluminium	IS 8811
88	CHEMICAL- METALS & ALLOYS	Low Alloy Steels	Aluminium	JIS G1253
89	CHEMICAL- METALS & ALLOYS	Low Alloy Steels	Arsenic	ASTM E415
90	CHEMICAL- METALS & ALLOYS	Low Alloy Steels	Arsenic	IS 8811
91	CHEMICAL- METALS & ALLOYS	Low Alloy Steels	Arsenic	JIS G1253
92	CHEMICAL- METALS & ALLOYS	Low Alloy Steels	Boron	ASTM E415
93	CHEMICAL- METALS & ALLOYS	Low Alloy Steels	Boron	IS 8811
94	CHEMICAL- METALS & ALLOYS	Low Alloy Steels	Boron	JIS G1253

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Laboratory Name : MICROLAB, 10A, RMT BUNGALOW ROAD, SAI NAGAR 2ND CROSS, SIDCO INDUSTRIAL ESTATE, COIMBATORE, TAMIL NADU, 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
95	CHEMICAL- METALS & ALLOYS	Low Alloy Steels	Carbon	ASTM E415
96	CHEMICAL- METALS & ALLOYS	Low Alloy Steels	Carbon	IS 8811
97	CHEMICAL- METALS & ALLOYS	Low Alloy Steels	Carbon	JIS G1253
98	CHEMICAL- METALS & ALLOYS	Low Alloy Steels	Chromium	ASTM E415
99	CHEMICAL- METALS & ALLOYS	Low Alloy Steels	Chromium	IS 8811
100	CHEMICAL- METALS & ALLOYS	Low Alloy Steels	Chromium	JIS G1253
101	CHEMICAL- METALS & ALLOYS	Low Alloy Steels	Cobalt	ASTM E415
102	CHEMICAL- METALS & ALLOYS	Low Alloy Steels	Cobalt	IS 8811
103	CHEMICAL- METALS & ALLOYS	Low Alloy Steels	Cobalt	JIS G1253
104	CHEMICAL- METALS & ALLOYS	Low Alloy Steels	Copper	ASTM E415
105	CHEMICAL- METALS & ALLOYS	Low Alloy Steels	Copper	IS 8811
106	CHEMICAL- METALS & ALLOYS	Low Alloy Steels	Copper	JIS G1253
107	CHEMICAL- METALS & ALLOYS	Low Alloy Steels	Lead	ASTM E415
108	CHEMICAL- METALS & ALLOYS	Nickel & Nickel Alloys	Aluminium	ASTM E3047
109	CHEMICAL- METALS & ALLOYS	Nickel & Nickel Alloys	Boron	ASTM E3047
110	CHEMICAL- METALS & ALLOYS	Nickel & Nickel Alloys	Carbon	ASTM E3047
111	CHEMICAL- METALS & ALLOYS	Nickel & Nickel Alloys	Chromium	ASTM E3047
112	CHEMICAL- METALS & ALLOYS	Nickel & Nickel Alloys	Cobalt	ASTM E3047
113	CHEMICAL- METALS & ALLOYS	Nickel & Nickel Alloys	Copper	ASTM E3047

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
114	CHEMICAL- METALS & ALLOYS	Nickel & Nickel Alloys	Iron	ASTM E3047
115	CHEMICAL- METALS & ALLOYS	Nickel & Nickel Alloys	Manganese	ASTM E3047
116	CHEMICAL- METALS & ALLOYS	Nickel & Nickel Alloys	Molybdenum	ASTM E3047
117	CHEMICAL- METALS & ALLOYS	Nickel & Nickel Alloys	Niobium	ASTM E3047
118	CHEMICAL- METALS & ALLOYS	Nickel & Nickel Alloys	Phosphorus	ASTM E3047
119	CHEMICAL- METALS & ALLOYS	Nickel & Nickel Alloys	Silicon	ASTM E3047
120	CHEMICAL- METALS & ALLOYS	Nickel & Nickel Alloys	Sulphur	ASTM E3047
121	CHEMICAL- METALS & ALLOYS	Nickel & Nickel Alloys	Tantalum	ASTM E3047
122	CHEMICAL- METALS & ALLOYS	Nickel & Nickel Alloys	Titanium	ASTM E3047
123	CHEMICAL- METALS & ALLOYS	Nickel & Nickel Alloys	Tungsten	ASTM E3047
124	CHEMICAL- METALS & ALLOYS	Nickel & Nickel Alloys	Vanadium	ASTM E3047
125	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Aluminium	ASTM E415
126	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Aluminium	IS 8811
127	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Aluminium	JIS G1253
128	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Arsenic	ASTM E415
129	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Arsenic	IS 8811
130	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Arsenic	JIS G1253
131	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Boron	ASTM E415
132	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Boron	IS 8811

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
133	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Boron	JIS G1253
134	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Carbon	ASTM E415
135	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Carbon	IS 8811
136	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Carbon	JIS G1253
137	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Chromium	ASTM E415
138	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Chromium	IS 8811
139	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Chromium	JIS G1253
140	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Cobalt	ASTM E415
141	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Cobalt	IS 8811
142	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Cobalt	JIS G1253
143	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Copper	ASTM E415
144	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Copper	IS 8811
145	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Copper	JIS G1253
146	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Lead	ASTM E415
147	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Lead	JIS G1253
148	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Manganese	ASTM E415
149	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Manganese	IS 8811
150	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Manganese	JIS G1253
151	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Molybdenum	ASTM E415

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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	Plain Carbon & Low Alloy Steel	Molybdenum	IS 8811
153	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Molybdenum	JIS G1253
154	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Nickel	ASTM E415
155	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Nickel	IS 8811
156	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Nickel	JIS G1253
157	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Niobium	ASTM E415
158	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Niobium	IS 8811
159	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Niobium	JIS G1253
160	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Nitrogen	ASTM E415
161	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Nitrogen	JIS G1253
162	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Phosphorus	ASTM E415
163	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Phosphorus	IS 8811
164	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Phosphorus	JIS G1253
165	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Silicon	ASTM E415
166	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Silicon	IS 8811
167	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Silicon	JIS G1253
168	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Sulphur	ASTM E415
169	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Sulphur	IS 8811
170	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Sulphur	JIS G1253

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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	Plain Carbon & Low Alloy Steel	Tin	ASTM E415
172	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Tin	IS 8811
173	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Tin	JIS G1253
174	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Titanium	ASTM E415
175	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Titanium	IS 8811
176	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Titanium	JIS G1253
177	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Tungsten	ASTM E415
178	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Tungsten	JIS G1253
179	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Vanadium	ASTM E415
180	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Vanadium	IS 8811
181	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Vanadium	JIS G1253
182	CHEMICAL- METALS & ALLOYS	Stainless Steel	Aluminium	JIS G1253
183	CHEMICAL- METALS & ALLOYS	Stainless Steel	Arsenic	JIS G1253
184	CHEMICAL- METALS & ALLOYS	Stainless Steel	Boron	JIS G1253
185	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM E1086
186	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS 9879
187	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	JIS G1253
188	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E1086
189	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 9879

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Laboratory Name : MICROLAB, 10A, RMT BUNGALOW ROAD, SAI NAGAR 2ND CROSS, SIDCO INDUSTRIAL ESTATE, COIMBATORE, TAMIL NADU, 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
190	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	JIS G1253
191	CHEMICAL- METALS & ALLOYS	Stainless Steel	Cobalt	JIS G1253
192	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E1086
193	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	IS 9879
194	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	JIS G1253
195	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E1086
196	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS 9879
197	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	JIS G1253
198	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E1086
199	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	IS 9879
200	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	JIS G1253
201	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E1086
202	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 9879
203	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	JIS G1253
204	CHEMICAL- METALS & ALLOYS	Stainless Steel	Niobium	JIS G1253
205	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nitrogen	JIS G1253
206	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	ASTM E1086
207	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	IS 9879
208	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	JIS G1253

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209	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E1086
210	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	IS 9879
211	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	JIS G1253
212	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	ASTM E1086
213	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	IS 9879
214	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	JIS G1253
215	CHEMICAL- METALS & ALLOYS	Stainless Steel	Tantalum	JIS G1253
216	CHEMICAL- METALS & ALLOYS	Stainless Steel	Titanium	JIS G1253
217	CHEMICAL- METALS & ALLOYS	Stainless Steel	Tungsten	JIS G1253
218	CHEMICAL- METALS & ALLOYS	Stainless Steel	Vanadium	JIS G1253
219	CHEMICAL- METALS & ALLOYS	Stainless Steel	Zirconium	JIS G1253
220	CHEMICAL- METALS & ALLOYS	Titanium & Titanium Alloys	Aluminium	ASTM E2994
221	CHEMICAL- METALS & ALLOYS	Titanium & Titanium Alloys	Chromium	ASTM E2994
222	CHEMICAL- METALS & ALLOYS	Titanium & Titanium Alloys	Copper	ASTM E2994
223	CHEMICAL- METALS & ALLOYS	Titanium & Titanium Alloys	Iron	ASTM E2994
224	CHEMICAL- METALS & ALLOYS	Titanium & Titanium Alloys	Manganese	ASTM E2994
225	CHEMICAL- METALS & ALLOYS	Titanium & Titanium Alloys	Molybdenum	ASTM E2994
226	CHEMICAL- METALS & ALLOYS	Titanium & Titanium Alloys	Nickel	ASTM E2994
227	CHEMICAL- METALS & ALLOYS	Titanium & Titanium Alloys	Silicon	ASTM E2994

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228	CHEMICAL- METALS & ALLOYS	Titanium & Titanium Alloys	Tin	ASTM E2994
229	CHEMICAL- METALS & ALLOYS	Titanium & Titanium Alloys	Vanadium	ASTM E2994
230	CHEMICAL- METALS & ALLOYS	Titanium & Titanium Alloys	Zirconium	ASTM E2994
231	CHEMICAL- METALS & ALLOYS	Tool Steel	Aluminium	JIS G1253
232	CHEMICAL- METALS & ALLOYS	Tool Steel	Carbon	JIS G1253
233	CHEMICAL- METALS & ALLOYS	Tool STeel	Chromium	JIS G1253
234	CHEMICAL- METALS & ALLOYS	Tool Steel	Cobalt	JIS G1253
235	CHEMICAL- METALS & ALLOYS	Tool Steel	Manganese	JIS G1253
236	CHEMICAL- METALS & ALLOYS	Tool Steel	Molybdenum	JIS G1253
237	CHEMICAL- METALS & ALLOYS	Tool Steel	Nickel	JIS G1253
238	CHEMICAL- METALS & ALLOYS	Tool Steel	Nitrogen	JIS G1253
239	CHEMICAL- METALS & ALLOYS	Tool Steel	Phosphorus	JIS G1253
240	CHEMICAL- METALS & ALLOYS	Tool Steel	Silicon	JIS G1253
241	CHEMICAL- METALS & ALLOYS	Tool Steel	Sulphur	JIS G1253
242	CHEMICAL- METALS & ALLOYS	Tool Steel	Tungsten	JIS G1253
243	CHEMICAL- METALS & ALLOYS	Tool Steel	Vanadium	JIS G1253
244	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium & Aluminium Alloys	Bend Test (Root Bend)	BS EN ISO 15614 Part 2
245	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium & Aluminium Alloys	Bend Test (Side Bend)	BS EN ISO 15614 Part 2

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246	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium & Aluminium Alloys	Bend Test (Face Bend)	BS EN ISO 15614 Part 2
247	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium & Aluminium Alloys	Tensile Test - Tensile Strength (UTS)	BS EN ISO 15614 Part 2
248	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon & Carbon Manganese Steels	Tensile Test - Tensile Strength (UTS)	IS 7307 Part 1
249	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon amd Carbon Manganese Steel	Fracture Test	IS 7307 Part 1
250	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon and Carbon Manganese Steel	Bend Test (Root Bend)	IS 7307 Part 1
251	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon and Carbon Manganese Steel	Bend Test (Side Bend)	IS 7307 Part 1
252	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon and Carbon Manganese Steel	Bend Test (Face Bend)	IS 7307 Part 1
253	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon and Low Alloy Steel Pipe	Flattening Test	ASTM A530/A530M
254	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon and Low Alloy Steel Pipes	Bend Test (Root Bend)	API 1104
255	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon and Low Alloy Steel Pipes	Bend Test (Side Bend)	API 1104
256	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon and Low Alloy Steel Pipes	Bend Test (Face Bend)	API 1104
257	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon and Low Alloy Steel Pipes	Tensile Test - Tensile Strength (UTS)	API 1104
258	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon and Low Alloy Steel Tubes	Flaring Test	ASTM A450/450M
259	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon and Low Alloy Steel Tubes	Flattening Test	ASTM A450/450M

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260	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon and Low Alloy SteelPipes	Nick Break Test	API 1104
261	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper And Copper Alloys	"Rockwell Hardness Test (HRBW/ , 1.588mm Ball / 100 kgf)"	ASTM E18
262	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper And Copper Alloys	"Rockwell Hardness Test (HRBW/ , 1.588mm Ball / 100 kgf)"	IS 1586 Part 1
263	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper And Copper Alloys	"Rockwell Hardness Test (HRBW/ , 1.588mm Ball / 100 kgf)"	ISO 6508 Part 1
264	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper And Copper Alloys	"Rockwell Hardness Test (HRA / Diamond Indenter / 60kgf)"	ASTM E18
265	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper And Copper Alloys	"Rockwell Hardness Test (HRA / Diamond Indenter / 60kgf)"	IS 1586 Part 1
266	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper And Copper Alloys	"Rockwell Hardness Test (HRA / Diamond Indenter / 60kgf)"	ISO 6508 Part 1
267	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper And Copper Alloys	0.2% Proof Strength	ISO 6892 Part 1
268	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper And Copper Alloys	Brinell Hardness Test (HBW, 10mm Ball / 3000kgf)	ASTM E10
269	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper And Copper Alloys	Brinell Hardness Test (HBW, 10mm Ball / 3000kgf)	IS 1500 Part 1
270	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper And Copper Alloys	Brinell Hardness Test (HBW, 10mm Ball / 3000kgf)	ISO 6506 Part 1
271	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper And Copper Alloys	Charpy Impact Test (Ambient to minus 196 Degree Celsius)	ASTM E23
272	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper And Copper Alloys	Charpy Impact Test (Ambient to minus 196 Degree Celsius)	IS 1757 Part 1
273	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper And Copper Alloys	Charpy Impact Test (Ambient to minus 196 Degree Celsius)	ISO 148 Part 1

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274	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper And Copper Alloys	Elongation %	ASTM E8/E8M
275	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper And Copper Alloys	Elongation %	ISO 6892 Part 1
276	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper And Copper Alloys	Reduction Area %	ASTM E8/E8M
277	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper And Copper Alloys	Reduction Area %	ISO 6892 Part 1
278	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper And Copper Alloys	Tensile Test - Tensile Strength (UTS)	ASTM E8/E8M
279	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper And Copper Alloys	Vickers Hardness (HV 5 Kg)	ASTM E92
280	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper And Copper Alloys	Vickers Hardness (HV 5 Kg)	ISO 1501 Part 1
281	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper And Copper Alloys	Vickers Hardness (HV 5 Kg)	ISO 6507 Part 1
282	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper And Copper Alloys	Yield Strength (0.2% Offset)	ASTM E8/E8M
283	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper And Copper Alloys	0.2% Proof Strength	IS 1608 Part 1
284	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper And Copper Alloys	Bend Test (Root Bend, Face Bend & Side Bend)	ISO 15614 Part 6
285	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper And Copper Alloys	Elongation %	IS 1608 Part 1
286	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper And Copper Alloys	Reduction Area %	IS 1608 Part 1
287	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper And Copper Alloys	Tensile Test - Tensile Strength (UTS)	IS 1608 Part 1

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288	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper And Copper Alloys	Tensile Test - Tensile Strength (UTS)	ISO 15614 Part 6
289	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper And Copper Alloys	Tensile Test - Tensile Strength (UTS)	ISO 6892 Part 1
290	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cryogenic Vessels (Steel and Aluminium)	Tensile Test - Tensile Strength (UTS)	BS EN 13458 Part 2
291	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cryogenic Vessels (Steel andAluminium)	Bend Test (Root Bend)	BS EN 13458 Part 2
292	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cryogenic Vessels (Steel andAluminium)	Bend Test (Side Bend)	BS EN 13458 Part 2
293	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cryogenic Vessels (Steel andAluminium)	Bend Test (Face Bend)	BS EN 13458 Part 2
294	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cryogenic Vessels(Steel and Aluminium)	Bend Test (Root Bend, Face Bend & Side Bend)	BS EN 13458 Part 2
295	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Duplex (Austenitic - Ferritic) Stainless Steels	Charpy Impact Test (Ambient to minus 196 Degree Celsius)	ASTM A923
296	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Duplex (Austenitic - Ferritic) Stainless Steels	Charpy Impact Test (Ambient to minus 196 Degree Celsius)	ISO 17781
297	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals	Bend Test (Root Bend)	IS 2825
298	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals	Bend Test (Side Bend)	IS 2825
299	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals	Bend Test (Face Bend)	IS 2825
300	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals	Nick Break Test	IS 2825
301	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals	Tensile Test - Tensile Strength (UTS)	IS 2825

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302	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Weld Joints	Bend Test (Root Bend)	ASME Section IX
303	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Weld Joints	Bend Test (Root Bend)	ASTM E190
304	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Weld Joints	Bend Test (Root Bend)	AWS D15.1 / D15.1M
305	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Weld Joints	Bend Test (Side Bend)	ASME Section IX
306	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Weld Joints	Bend Test (Side Bend)	ASTM E190
307	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Weld Joints	Bend Test (Side Bend)	AWS D15.1 / D15.1M
308	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Weld Joints	Bend Test (Face Bend)	ASME Section IX
309	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Weld Joints	Bend Test (Face Bend)	ASTM E190
310	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Weld Joints	Bend Test (Face Bend)	AWS D15.1 / D15.1M
311	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Weld Joints	Charpy Impact Test (Ambient to minus 196 Degree Celsius)	ASME Section IX
312	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Weld Joints	Charpy Impact Test (Ambient to minus 196 Degree Celsius)	IS 2825
313	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Weld Joints	Elongation %	AWS B4.0/B4.0M
314	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Weld Joints	Fracture Test	ASME Section IX
315	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Weld Joints	Reduction Area %	AWS B4.0/B4.0M

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316	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Weld Joints	Steel Weld Joints	AWS D1.1
317	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Weld Joints	Tensile Test - Tensile Strength (UTS)	ASME Section IX
318	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Weld Joints	Tensile Test - Tensile Strength (UTS)	AWS B4.0/B4.0M
319	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Weld Joints	Tensile Test - Tensile Strength (UTS)	AWS D15.1 / D15.1M
320	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Weld Joints	Yield Strength	AWS B4.0 / B4.0M
321	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Weld Joints	Yield Strength (0.2% Offste)	AWS B4.0/B4.0M
322	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Weld Joints	Yield Strength (0.5% EUL)	AWS B4.0 / B4.0M
323	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Weld Joints	Yield Strength (1% Off Set)	AWS B4.0 / B4.0M
324	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Strength (0.2% Offset), Yield Strength (1% Offset), Yield Strength (0.5% EUL), Yield Strength	IS 1608 Part 1
325	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV10 Kg)	ASTM E92
326	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV10 Kg)	ISO 6507 Part 1
327	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Bend Test (Bend)	ASTM E290
328	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Bend Test (Root Bend)	DIN EN ISO 5173

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329	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Bend Test (Side Bend)	DIN EN ISO 5173
330	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test (HBW, 10mm Ball / 3000kgf), Brinell Hardness Test (HBW, 10mm Ball / 1000kgf), Brinell Hardness Test (HBW, 10mm Ball / 500kgf), Brinell Hardness Test (HBW, 05mm Ball / 750kgf)	ASTM E10
331	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test (HBW, 10mm Ball / 3000kgf), Brinell Hardness Test (HBW, 10mm Ball / 1000kgf), Brinell Hardness Test (HBW, 10mm Ball / 500kgf), Brinell Hardness Test (HBW, 05mm Ball / 750kgf)	IS 1500 Part 1
332	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test (HBW, 10mm Ball / 3000kgf), Brinell Hardness Test (HBW, 10mm Ball / 1000kgf), Brinell Hardness Test (HBW, 10mm Ball / 500kgf), Brinell Hardness Test (HBW, 05mm Ball / 750kgf)	ISO 6506 Part 1
333	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elongation %	ASTM E8/E8M
334	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elongation %	IS 1608 Part 1
335	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elongation %	ISO 6892 Part 1
336	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Reduction Area %	ASTM E8/E8M
337	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Reduction Area %	IS 1608 Part 1

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338	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Reduction Area %	ISO 6892 Part 1
339	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test - Tensile Strength (UTS)	ASTM E8/E8M
340	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV10 Kg)	ISO 9015 Part 1
341	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV20 Kg)	ASTM E92
342	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV20 Kg)	ISO 6507 Part 1
343	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV30 Kg)	ASTM E92
344	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV30 Kg)	ISO 1501 Part 1
345	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV30 Kg)	ISO 6507 Part 1
346	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Strength (0.2% Offset), Yield Strength (1% Offset), Yield Strength (0.5% EUL), Yield Strength	ASTM E8/E8M
347	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Strength (0.5% EUL)	ASTM E8/E8M
348	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Strength	ASTM E8/E8M
349	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test (HBW 10mm Ball / 1000kgf)	IS 1500 Part 1
350	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV10 Kg)	ISO 1501 Part 1

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351	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.2% Proof Strength	IS 1608 Part 1
352	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.2% Proof Strength	ISO 6892 Part 1
353	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	1 % Proof strength	IS 1608 Part 1
354	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	1 % Proof strength	ISO 6892 Part 1
355	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	1% Proof Strength	IS 1608 Part 1
356	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	1% Proof Strength	ISO 6892 Part 1
357	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Bend Test - (Bend Test)	IS 1599
358	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Bend Test - (Bend Test)	ISO 7438
359	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Bend Test (Bend Test)	ASTM E290
360	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Bend Test (Bend Test)	IS 1599
361	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Bend Test (Bend Test)	ISO 7438
362	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Bend Test (Face Bend)	BS EN ISO 5173
363	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test (HBW 10mm Ball / 1000kgf)	ISO 6506 Part 1
364	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test (HBW 10mm Ball / 1000kgf)	ASTM E10

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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
365	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test (HBW 10mm Ball / 1000kgf)	ISO 6506 Part 1
366	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test (HBW 10mm Ball / 1000kgf)	ASTM E10
367	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test (HBW 10mm Ball / 1000kgf)	IS 1500 Part 1
368	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test (HBW 10mm Ball / 500kgf)	ASTM E10
369	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test (HBW 10mm Ball / 500kgf)	IS 1500 Part 1
370	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test (HBW 10mm Ball / 500kgf)	ISO 6506 Part 1
371	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test (HBW 10mm Ball / 500kgf)	IS 1500 Part 1
372	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test (HBW 10mm Ball / 500kgf)	ISO 6506 Part 1
373	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test (HBW 10mm Ball / 500kgf)	ASTM E10
374	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test (HBW 5mm Ball / 750kgf)	ASTM E10
375	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test (HBW 5mm Ball / 750kgf)	IS 1500 Part 1
376	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test (HBW 5mm Ball / 750kgf)	ISO 6506 Part 1
377	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test (HBW 5mm Ball / 750kgf)	ISO 6506 Part 1
378	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test (HBW 5mm Ball / 750kgf)	ASTM E10

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379	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test (HBW 5mm Ball / 750kgf)	IS 1500 Part 1
380	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test (HBW, 10mm Ball / 3000kgf)	ASTM E10
381	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test (HBW, 10mm Ball / 3000kgf)	IS 1500 Part 1
382	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test (HBW, 10mm Ball / 3000kgf)	ISO 6506 Part 1
383	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Charpy Impact Test (Ambient to minus 196 Degree Celsius)	ASTM E23
384	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Charpy Impact Test (Ambient to minus 196 Degree Celsius)	ASTM E23
385	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Charpy Impact Test (Ambient to minus 196 Degree Celsius)	ASTM E23
386	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Charpy Impact Test (Ambient to minus 196 Degree Celsius)	EN ISO 9016
387	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Charpy Impact Test (Ambient to minus 196 Degree Celsius)	IS 1499
388	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Charpy Impact Test (Ambient to minus 196 Degree Celsius)	IS 1757 Part 1
389	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Charpy Impact Test (Ambient to minus 196 Degree Celsius)	IS 1757 Part 1
390	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Charpy Impact Test (Ambient to minus 196 Degree Celsius)	ISO 148 Part 1
391	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Charpy Impact Test (Ambient to minus 196 Degree Celsius)	ISO 148 Part 1
392	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elongation %	ASTM E8/E8M

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393	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elongation %	IS 1608 Part 1
394	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elongation %	ISO 6892 Part 1
395	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Flaring Test	IS 2330
396	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Flattening Test	IS 2328
397	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Test	ISO 9017
398	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Metallic Materials Brinell Hardness Test (HBW 5mm Ball / 750kgf)	IS 1500 Part 1
399	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Reduction Area %	ASTM E8/E8M
400	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Reduction Area %	IS 1608 Part 1
401	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Reduction Area %	ISO 6892 Part 1
402	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness (HRA / Diamond Indenter / 60kgf)	ASTM E18
403	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness (HRA / Diamond Indenter / 60kgf)	IS 1586 Part 1
404	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness (HRA / Diamond Indenter / 60kgf)	ISO 6508 Part 1
405	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness Test (HRA / Diamond Indenter / 60kgf)	ASTM E18
406	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness Test (HRA / Diamond Indenter / 60kgf)	ASTM E18

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407	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness Test (HRA / Diamond Indenter / 60kgf)	IS 1586 Part 1
408	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness Test (HRA / Diamond Indenter / 60kgf)	IS 1586 Part 1
409	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness Test (HRA / Diamond Indenter / 60kgf)	ISO 6508 Part 1
410	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness Test (HRA / Diamond Indenter / 60kgf)	ISO 6508 Part 1
411	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness Test (HRBW / 1.588mm Ball / 100kgf)	ASTM E18
412	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness Test (HRBW / 1.588mm Ball / 100kgf)	ASTM E18
413	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness Test (HRBW / 1.588mm Ball / 100kgf)	IS 1586 Part 1
414	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness Test (HRBW / 1.588mm Ball / 100kgf)	IS 1586 Part 1
415	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness Test (HRBW / 1.588mm Ball / 100kgf)	ISO 6508 Part 1
416	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness Test (HRBW / 1.588mm Ball / 100kgf)	ISO 6508 Part 1
417	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness Test (HRC / Daimond Indenter / 150kgf)	ASTM E18
418	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness Test (HRC / Daimond Indenter / 150kgf)	IS 1586 Part 1
419	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness Test (HRC / Daimond Indenter / 150kgf)	ISO 6508 Part 1
420	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness Test (HRC / Diamond Indenter / 150kgf)	ASTM E18

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421	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness Test (HRC / Diamond Indenter / 150kgf)	ASTM E18
422	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness Test (HRC / Diamond Indenter / 150kgf)	IS 1586 Part 1
423	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness Test (HRC / Diamond Indenter / 150kgf)	IS 1586 Part 1
424	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness Test (HRC / Diamond Indenter / 150kgf)	ISO 6508 Part 1
425	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness Test (HRC / Diamond Indenter / 150kgf)	ISO 6508 Part 1
426	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test - Tensile Strength (UTS)	ASTM E8/E8M
427	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test - Tensile Strength (UTS)	IS 1608 Part 1
428	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test - Tensile Strength (UTS)	ISO 4136
429	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test - Tensile Strength (UTS)	ISO 6892 Part 1
430	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test - Tensile Strength (UTS)	ISO 6892 Part 1
431	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV10 Kg)	ASTM E92
432	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV10 Kg)	ASTM E92
433	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV10 Kg)	ISO 1501 Part 1
434	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV10 Kg)	ISO 1501 Part 1

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435	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV10 Kg)	ISO 6507 Part 1
436	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV10 Kg)	ISO 6507 Part 1
437	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV10 Kg)	ASTM E92
438	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV10 Kg)	ISO 6507 Part 1
439	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV20 Kg)	ASTM E92
440	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV20 Kg)	ASTM E92
441	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV20 Kg)	ISO 1501 Part 1
442	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV20 Kg)	ISO 1501 Part 1
443	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV20 Kg)	ISO 6507 Part 1
444	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV20 Kg)	ISO 6507 Part 1
445	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV20 Kg)	ISO 1501 Part 1
446	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV20 Kg)	ISO 6507 Part 1
447	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV30 Kg)	ASTM E92
448	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV30 Kg)	ASTM E92

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449	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV30 Kg)	ISO 1501 Part 1
450	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV30 Kg)	ISO 1501 Part 1
451	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV30 Kg)	ISO 6507 Part 1
452	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV30 Kg)	ISO 6507 Part 1
453	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV30 Kg)	ASTM E92
454	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV30 Kg)	ISO 6507 Part 1
455	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV5 Kg)	ASTM E92
456	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV5 Kg)	ASTM E92
457	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV5 Kg)	ISO 1501 Part 1
458	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV5 Kg)	ISO 1501 Part 1
459	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV5 Kg)	ISO 6507 Part 1
460	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV5 Kg)	ISO 6507 Part 1
461	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV5 Kg)	ISO 9015 Part 1
462	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Strength	ASTM E8/E8M

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463	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Strength	IS 1608 Part 1
464	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Strength	ISO 6892 Part 1
465	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Strength (0.2% Offset)	ASTM E8/E8M
466	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Strength (0.2% Offset), Yield Strength (1% Offset), Yield Strength (0.5% EUL), Yield Strength	ISO 6892 Part 1
467	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Strength (0.5% EUL)	ASTM E8/E8M
468	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Strength (0.5% EUL)	IS 1608 Part 1
469	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Strength (0.5% EUL)	ISO 6892 Part 1
470	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Strength (0.5% EUL)	IS 1608 Part 1
471	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Strength (0.5% EUL)	ISO 6892 Part 1
472	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Strength (0.5% Offset)	ASTM E8/E8M
473	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Strength (1% Offset)	ASTM E8/E8M
474	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Strength (1% Offset)	ASTM E8/E8M
475	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Strength	IS 1608 Part 1

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476	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Strength	ISO 6892 Part 1
477	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials - Overlay welding	Bend Test (Side Bend)	BS EN ISO 15614 Part 7
478	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Matreials	Yield Strength (0.2% Offset)	ASTM E8/E8M
479	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals	Charpy Impact Test (Ambient to minus 196 Degree Celsius)	IS 1499
480	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pressure Vessels (Plate, Pipe and Tubes)	Pull Out & Push Out Test	ASME Section VIII Division 1
481	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Stainless Steel and Alloy Pipe	Flattening Test	ASTM A999/A999M
482	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Stainless Steel Weld Joints	Bend Test (Root Bend)	AWS D1.6
483	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Stainless Steel Weld Joints	Bend Test (Side Bend)	AWS D1.6
484	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Stainless Steel Weld Joints	Bend Test (Face Bend)	AWS D1.6
485	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Stainless Steel weld Joints	Fracture Test	AWS D1.6
486	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Stainless Steels Weld Joints	Tensile Test - Tensile Strength (UTS)	AWS D1.6
487	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel , Nickel & Nickel Alloys	Bend Test (Root Bend)	BS EN ISO 15614 Part 1
488	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel and Related Alloys	Bend Test - (Bend Test)	ASTM A370
489	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel and Related Alloys	Rockwell Hardness Test (HRC / Diamond Indenter / 150kgf)	ASTM A370

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490	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Weld Joints	Bend Test (Root Bend)	AWS D1.1
491	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Weld Joints	Bend Test (Side Bend)	AWS D1.1
492	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Weld Joints	Bend Test (Face Bend)	AWS D1.1
493	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Weld Joints	Tensile Test - Tensile Strength (UTS)	AWS D1.1
494	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel, Nickel & Nickel Alloys	Bend Test (Face Bend)	BS EN ISO 15614 Part 1
495	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel, Nickel & Nickel Alloys	Bend Test (Side Bend)	BS EN ISO 15614 Part 1
496	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel, Nickel & Nickel Alloys	Tensile Test - Tensile Strength (UTS)	BS EN ISO 15614 Part 1
497	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steels ,Stainless Steels and Related Alloys	"Yield Strength (0.2% Offset), Yield Strength (1% Offset), Yield Strength (0.5% EUL), Yield Strength"	ASME SA370
498	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steels ,Stainless Steels and Related alloys	Charpy Impact Test (Ambient to minus 196 Degree Celsius)	ASME SA370
499	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steels ,Stainless Steels and Related Alloys	Charpy Impact Test (Ambient to minus 196 Degree Celsius)	ASME SA370
500	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steels ,Stainless Steels and Related Alloys	Elongation %	ASME SA370
501	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steels ,Stainless Steels and Related Alloys	Reduction Area %	ASME SA370
502	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steels ,Stainless Steels and Related Alloys	Tensile Test - Tensile Strength (UTS)	ASME SA370

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503	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steels and Related Alloys	Brinell Hardness Test (HBW 5mm Ball / 750kgf)	ASTM A370
504	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steels and Related Alloys	Brinell Hardness Test (HBW, 10mm Ball / 3000kgf)	ASTM A370
505	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steels and Related Alloys	Charpy Impact Test (Ambient to minus 196 Degree Celsius)	ASTM A370
506	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steels and Related Alloys	Charpy Impact Test (Ambient to minus 196 Degree Celsius)	ASTM A370
507	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steels and Related Alloys	Elongation %	ASTM A370
508	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steels and Related Alloys	Flaring Test	ASTM A370
509	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steels and Related Alloys	Flattening Test	ASTM A370
510	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steels and Related Alloys	Reduction Area %	ASTM A370
511	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steels and Related Alloys	Rockwell Hardness (HRA / Diamond Indenter / 60kgf)	ASTM A370
512	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steels and Related Alloys	Rockwell Hardness Test (HRBW / 1.588mm Ball / 100kgf)	ASTM A370
513	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steels and Related Alloys	Tensile Test - Tensile Strength (UTS)	ASTM A370
514	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steels and Related Alloys	Yield Strength	ASTM A370
515	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steels and Related Alloys	Yield Strength (0.2% Offset)	ASTM A370
516	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steels and Related Alloys	Yield Strength (0.5% Offset)	ASTM A370

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517	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steels and Related Alloys	Yiels Strength (1% Offset)	ASTM A370
518	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wrought and Cast Aluminium and Magnesium Alloy Products	Yield Strength (1% Offset)	ASTM B557
519	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wrought and Cast Aluminium and Magnesium Alloy Products	Yield Strength (0.2% Offset)	ASTM B557M
520	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wrought and Cast Aluminium and Magnesium Alloy Products	Yield Strength (0.5% EUL)	ASTM B557
521	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wrought and Cast Aluminium and Magnesium Alloy Products	Yield Strength	ASTM B557
522	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wrought and Cast Aluminium and Magnesium Alloy Products	Elongation %	ASTM B557
523	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wrought and Cast Aluminium and Magnesium Alloy Products	Elongation %	ASTM B557M
524	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wrought and Cast Aluminium and Magnesium Alloy Products	Tensile Test - Tensile Strength (UTS)	ASTM B557
525	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wrought and Cast Aluminium and Magnesium Alloy Products	Tensile Test - Tensile Strength (UTS)	ASTM B557M
526	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wrought and Cast Aluminium and Magnesium Alloy Products	Yield Strength	ASTM B557M
527	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wrought and Cast Aluminium and Magnesium Alloy Products	Yield Strength (0.2% Offset)	ASTM B557
528	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wrought and Cast Aluminium and Magnesium Alloy Products	Yield Strength (0.5% EUL)	ASTM B557M
529	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wrought and Cast Aluminium and Magnesium Alloy Products	Yield Strength (1% Offset)	ASTM B557M
530	MECHANICAL-METALLOGRAPHY TEST	Aluminium and its Alloy Products	Grain Size Measurement by Comparison Method	ASTM E112

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531	MECHANICAL-METALLOGRAPHY TEST	Aluminium & Aluminium Alloys Products	Micro Vickers Hardness (100gf to 1000gf)	ASTM E384
532	MECHANICAL-METALLOGRAPHY TEST	Aluminium & Aluminium Alloys Products	Micro Vickers Hardness (100gf to 1000gf)	IS 1501 Part 1
533	MECHANICAL-METALLOGRAPHY TEST	Aluminium & Aluminium Alloys Products	Micro Vickers Hardness (100gf to 1000gf)	ISO 6507 Part 1
534	MECHANICAL-METALLOGRAPHY TEST	Aluminium and Aluminium Alloy Products	Micro Examination	IS 7739 Part 3
535	MECHANICAL-METALLOGRAPHY TEST	Aluminium And Aluminium Alloys	Macro Examination	ISO 9606 Part 2
536	MECHANICAL-METALLOGRAPHY TEST	Aluminium and its Alloy Products	Anodic Coating on Aluminium Alloys	IS 5523
537	MECHANICAL-METALLOGRAPHY TEST	Billets, Blooms, Bar & Forgings	Macro Examination	ASTM E381
538	MECHANICAL-METALLOGRAPHY TEST	Billets, Blooms, Hot Rolled Products, Extrusion, Sheets, Plates, Castings, Machined & Ground Parts	Micro Examination	ASTM E3
539	MECHANICAL-METALLOGRAPHY TEST	Billets, Blooms, Hot Rolled Products, Extrusion, Sheets, Plates, Castings, Machined and Ground Parts	Micro Examination	ASTM E407
540	MECHANICAL-METALLOGRAPHY TEST	Billets, Blooms, Hot rolled Products, Extrusion, Sheets, Plates, Castings, Machined and Ground Parts	Micro Examination	ASM Metals Hand Book Volume 9
541	MECHANICAL-METALLOGRAPHY TEST	Billets, Blooms, Hot Rolled Products, Extrusion, Sheets, Plates, Castings, Machined and Ground Parts	Micro Vickers Hardness (100gf - 1000gf)	ASTM E384
542	MECHANICAL-METALLOGRAPHY TEST	Billets, Blooms, Hot rolled Products, Extrusion, Sheets, Plates, Castings, Machined and Ground Parts	Micro Vickers Hardness (100gf - 1000gf)	IS 1501 Part 1
543	MECHANICAL-METALLOGRAPHY TEST	Billets, Blooms, Hot Rolled Products, Extrusion, Sheets, Plates, Castings, Machined and Ground Parts	Micro Vickers Hardness (100gf - 1000gf)	ISO 6507 Part 1
544	MECHANICAL-METALLOGRAPHY TEST	Billets, Blooms, Hot Rolled Products, Extrusion, Sheets, Plates, Castings, Machined and Ground Parts.	Micro Examination	ASTM A923 Method A
545	MECHANICAL-METALLOGRAPHY TEST	Billets, Blooms, Hot rolled Products, Forgings, Extrusion, Sheets, Plates, Castings, Machined and Ground Parts	Macro Examination	ASM Metals Hand Book Volume 9
546	MECHANICAL-METALLOGRAPHY TEST	Billets, Blooms, Hot rolled Products, Forgings, Extrusion, Sheets, Plates, Castings, Machined and Ground Parts	Micro Examination	ASTM E407
547	MECHANICAL-METALLOGRAPHY TEST	Billets, Blooms, Hot rolled Products, Forgings, Extrusion, Sheets, Plates, Castings, Machined and Ground Parts	Micro Vickers Hardness (100gf - 1000gf)	ASTM E384
548	MECHANICAL-METALLOGRAPHY TEST	Billets, Blooms, Hot rolled Products, Forgings, Extrusion, Sheets, Plates, Castings, Machined and Ground Parts	Micro Vickers Hardness (100gf - 1000gf)	IS 1501 Part 1
549	MECHANICAL-METALLOGRAPHY TEST	Billets, Blooms, Hot rolled Products, Forgings, Extrusion, Sheets, Plates, Castings, Machined and Ground Parts	Micro Vickers Hardness (100gf - 1000gf)	ISO 6507 Part 1

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550	MECHANICAL-METALLOGRAPHY TEST	Billets, Blooms, Hot Rolled Products,Forgings, Extrusion, Sheets, Plates, Castings, Machined and Griund Parts	Micro Examination	ASTM E3
551	MECHANICAL-METALLOGRAPHY TEST	Brazed joints	Macro Examination	BS EN 12797
552	MECHANICAL-METALLOGRAPHY TEST	Case Hardened Steels & Nitrided Steels	Case Depth by Microscopic Method	IS 13691
553	MECHANICAL-METALLOGRAPHY TEST	Case Hardened Steels & Nitrided Steels	Case depth by Microscopic Method	IS 6416
554	MECHANICAL-METALLOGRAPHY TEST	Case Hardened Steels & Nitrided Steels	Case Depth by Microscopic Method	ISO 18203
555	MECHANICAL-METALLOGRAPHY TEST	Case Hardened Steels & Nitrided Steels	Case Depth by Microscopic Method	ISO 2639
556	MECHANICAL-METALLOGRAPHY TEST	Case Hardened Steels & Nitrided Steels	Case depth by Hardness Traverse method	IS 13691
557	MECHANICAL-METALLOGRAPHY TEST	Case Hardened Steels & Nitrided Steels	Case depth by Hardness Traverse method	IS 6416
558	MECHANICAL-METALLOGRAPHY TEST	Case Hardened Steels & Nitrided Steels	Case depth by Hardness Traverse method	ISO 18203
559	MECHANICAL-METALLOGRAPHY TEST	Case Hardened Steels & Nitrided Steels	Case depth by Hardness Traverse method	ISO 2639
560	MECHANICAL-METALLOGRAPHY TEST	Cast Iron Products	Micro Examination Graphite Flakes / Nodules type and size, Distribution characteristics and matrix analysis	ASM Metal Hand Book Volume 9
561	MECHANICAL-METALLOGRAPHY TEST	Cast Iron Products	Micro Examination Graphite Flakes / Nodules type and size, Distribution characteristics and matrix analysis	ASTM A247
562	MECHANICAL-METALLOGRAPHY TEST	Cast Iron Products	Micro Examination Graphite Flakes / Nodules type and size, Distribution characteristics and matrix analysis	IS 7754
563	MECHANICAL-METALLOGRAPHY TEST	Cast Iron Products	Micro Examination Graphite Flakes / Nodules type and size, Distribution characteristics and matrix analysis	ISO 1083
564	MECHANICAL-METALLOGRAPHY TEST	Cast Iron Products	Micro Examination Graphite Flakes / Nodules type and size, Distribution characteristics and matrix analysis	ISO 945 Part 1

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565	MECHANICAL-METALLOGRAPHY TEST	Copper & Copper Alloys Products	Micro Vickers Hardness (100gf to 1000gf)	ASTM E384
566	MECHANICAL-METALLOGRAPHY TEST	Copper & Copper Alloys Products	Micro Vickers Hardness (100gf to 1000gf)	IS 1501
567	MECHANICAL-METALLOGRAPHY TEST	Copper & Copper Alloys Products	Micro Vickers Hardness (100gf to 1000gf)	ISO 6507 Part 1
568	MECHANICAL-METALLOGRAPHY TEST	Copper Alloys & Copper Alloys	Grain Size Measurements by Comparison Method and Intercept Method	ASTM E112
569	MECHANICAL-METALLOGRAPHY TEST	Copper and Copper Alloys	Macro Examination	ISO 9606 Part 3
570	MECHANICAL-METALLOGRAPHY TEST	Duplex Stainless Steel	Micro Examination	ISO 17781
571	MECHANICAL-METALLOGRAPHY TEST	Duplex Stainless Steel	Volume Fraction of Phase	ISO 17781
572	MECHANICAL-METALLOGRAPHY TEST	Duplex Stainless Steel Weld Joints	Micro Examination	ISO 17781
573	MECHANICAL-METALLOGRAPHY TEST	Duplex Stainless Steels	Volume fraction of Phase	ASTM E562
574	MECHANICAL-METALLOGRAPHY TEST	Electroplate Coatings	Measurement of Thickness of Electro Plated Coating of Copper, Brass, Nickel, Nickel Chromium, Hard Chromium, Lead, Zinc, Cadmium, Silver, Gold and Tin	IS 3203
575	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous Weld Joints	Macro Examination	BS EN 13458 Part 2
576	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous Weld Joints	Macro Examination	ASM Metals Hand Book Volume 9
577	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous Weld Joints	Macro Examination	ASTM E340
578	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous Weld Joints	Macro Examination	ASME Section IX
579	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous Weld Joints	Macro Examination	EN ISO 17639
580	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous Weld Joints	Macro Examination	IS 7307 Part 1
581	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous Weld Joints	Macro Examination	ISO 9606 Part 1

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582	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous Weld Joints	Micro Examination	ASTM E407
583	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous Weld Joints And Products	Micro Vickers Hardness (100gf to 1000gf)	ISO 6507 Part 1
584	MECHANICAL-METALLOGRAPHY TEST	Lead, Nickel, Nickel-Copper Alloys, Tin and Tin Alloys, Titanium and Titanium Alloys	Micro Examination	ASM Metals Hand Book Volume 9
585	MECHANICAL-METALLOGRAPHY TEST	Metallic and Oxide Coating on Ferrous Materials And Products	Measurement of Metal and Oxide Coating Thickness by Microscopic Method	ASTM B487
586	MECHANICAL-METALLOGRAPHY TEST	Metallic and Oxide Coating on Ferrous Materials And Products	Measurement of Metal and Oxide Coating Thickness by Microscopic Method	ISO 1463
587	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials & Products	Grain Size Measurements by Comparison Method and Intercept Method	ASTM E112
588	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials & Products	Grain Size Measurements by Comparison Method	EN ISO 643
589	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials & Products	Decarburization Depth	ASTM E1077
590	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials & Products	Decarburization Depth	ASTM F2328
591	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials & Products	Decarburization Depth	IS 6396
592	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials & Products	Decarburization Depth	ISO 3887
593	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials & Products	Grain Size Measurements by Comparison Method and Intercept Method	ASTM E112
594	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials & Products	Grain Size Measurements by Comparison Method and Intercept Method	EN ISO 643
595	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials & Products	Grain Size Measurements by Comparison Method and Intercept Method	IS 4748
596	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials & Products	Grain Size Measurements by Comparison Method	IS 4748
597	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials & Products	Inclusion Rating	ASTM E45
598	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials & Products	Inclusion Rating	BS EN 10247

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599	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials & Products	Inclusion Rating	IS 4163
600	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials & Products	Macro Examination	ASM Metals Hand Book Volume 9
601	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials & Products	Macro Examination	ASTM A604
602	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials & Products	Macro Examination	ASTM E340
603	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials & Products	Macro Examination	IS 11371
604	MECHANICAL-METALLOGRAPHY TEST	Nickel & Nickel Alloys	Macro Examination	ISO 9606 Part 4
605	MECHANICAL-METALLOGRAPHY TEST	Titanium and Titanium Alloys, Zirconium and Zirconium Alloys	Macro Examination	ISO 9606 Part 5