National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : DELTA METALLURGICAL LABORATORY & SERVICES, C.S. NO.13301/1, SHOP NO. 2, SUMERU PLAZA, NEMINATH NAGAR, SANGLI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 22/03/2022 to 21/03/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- METALS & ALLOYS	Aluminium and Aluminium Alloy	Lead (Pb)	IS 11035
2	CHEMICAL- METALS & ALLOYS	Aluminium and Aluminium Alloy	Chromium (Cr)	ASTM E1251
3	CHEMICAL- METALS & ALLOYS	Aluminium and Aluminium Alloy	Copper (Cu)	ASTM E1251
4	CHEMICAL- METALS & ALLOYS	Aluminium and Aluminium Alloy	Lead (Pb)	ASTM E1251
5	CHEMICAL- METALS & ALLOYS	Aluminium and Aluminium Alloy	Magnesium (Mg)	ASTM E1251
6	CHEMICAL- METALS & ALLOYS	Aluminium and Aluminium Alloy	Manganese (Mn)	ASTM E1251
7	CHEMICAL- METALS & ALLOYS	Aluminium and Aluminium Alloy	Nickel (Ni)	ASTM E1251
8	CHEMICAL- METALS & ALLOYS	Aluminium and Aluminium Alloy	Tin (Sn)	IS 11035
9	CHEMICAL- METALS & ALLOYS	Aluminium and Aluminium Alloy	Titanium (Ti)	ASTM E1251
10	CHEMICAL- METALS & ALLOYS	Aluminium and Aluminium Alloy	Zinc (Zn)	ASTM E1251
11	CHEMICAL- METALS & ALLOYS	Aluminium and Aluminium Alloy	Chromium (Cr)	IS 11035
12	CHEMICAL- METALS & ALLOYS	Aluminium and Aluminium Alloy	Copper (Cu)	IS 11035
13	CHEMICAL- METALS & ALLOYS	Aluminium and Aluminium Alloy	Iron (Fe)	ASTM E1251
14	CHEMICAL- METALS & ALLOYS	Aluminium and Aluminium Alloy	Iron (Fe)	IS 11035
15	CHEMICAL- METALS & ALLOYS	Aluminium and Aluminium Alloy	Magnesium (Mg)	IS 11035
16	CHEMICAL- METALS & ALLOYS	Aluminium and Aluminium Alloy	Manganese (Mn)	IS 11035
17	CHEMICAL- METALS & ALLOYS	Aluminium and Aluminium Alloy	Nickel (Ni)	IS 11035
18	CHEMICAL- METALS & ALLOYS	Aluminium and Aluminium Alloy	Silicon (Si)	ASTM E1251

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
19	CHEMICAL- METALS & ALLOYS	Aluminium and Aluminium Alloy	Silicon (Si)	IS 11035
20	CHEMICAL- METALS & ALLOYS	Aluminium and Aluminium Alloy	Tin (Sn)	ASTM E1251
21	CHEMICAL- METALS & ALLOYS	Aluminium and Aluminium Alloy	Titanium (Ti)	IS 11035
22	CHEMICAL- METALS & ALLOYS	Aluminium and Aluminium Alloy	Zinc (Zn)	IS 11035
23	CHEMICAL- METALS & ALLOYS	Cast Iron	Aluminium (Al)	ASTM E1999
24	CHEMICAL- METALS & ALLOYS	Cast Iron	Aluminium (Al)	IS 15338
25	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon (C)	ASTM E1999
26	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon (C)	IS 15338
27	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium (Cr)	ASTM E1999
28	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium (Cr)	IS 15338
29	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper (Cu)	ASTM E1999
30	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper (Cu)	IS 15338
31	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese (Mn)	ASTM E1999
32	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese (Mn)	IS 15338
33	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdenum (Mo)	ASTM E1999
34	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdenum (Mo)	IS 15338
35	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel (Ni)	ASTM E1999
36	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus (P)	ASTM E1999
37	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus (P)	IS 15338

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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	Silicon (Si)	ASTM E1999
39	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon (Si)	IS 15338
40	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur (S)	ASTM E1999
41	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur (S)	IS 15338
42	CHEMICAL- METALS & ALLOYS	Cast Iron	Titanium (Ti)	ASTM E 1999
43	CHEMICAL- METALS & ALLOYS	Cast Iron	Vanadium (V)	ASTM E1999
44	CHEMICAL- METALS & ALLOYS	Cast Iron	Vanadium (V)	IS 15338
45	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Material Verification and Sorting By XRF	ASTM E1476
46	CHEMICAL- METALS & ALLOYS	Copper and Copper Alloys	Aluminium (Al)	BS EN 15079
47	CHEMICAL- METALS & ALLOYS	Copper and Copper Alloys	Antimony (Sb)	BS EN 15079
48	CHEMICAL- METALS & ALLOYS	Copper and Copper Alloys	Arsenic (As)	BS EN 15079
49	CHEMICAL- METALS & ALLOYS	Copper and Copper Alloys	Bismuth (Bi)	BS EN 15079
50	CHEMICAL- METALS & ALLOYS	Copper and Copper Alloys	Iron (Fe)	BS EN 15079
51	CHEMICAL- METALS & ALLOYS	Copper and Copper Alloys	Lead (Pb)	BS EN 15079
52	CHEMICAL- METALS & ALLOYS	Copper and Copper Alloys	Manganese (Mn)	BS EN 15079
53	CHEMICAL- METALS & ALLOYS	Copper and Copper Alloys	Nickel (Ni)	BS EN 15079
54	CHEMICAL- METALS & ALLOYS	Copper and Copper Alloys	Phosphorus (P)	BS EN 15079
55	CHEMICAL- METALS & ALLOYS	Copper and Copper Alloys	Silicon (Si)	BS EN 15079
56	CHEMICAL- METALS & ALLOYS	Copper and Copper Alloys	Silver (Ag)	BS EN 15079

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
57	CHEMICAL- METALS & ALLOYS	Copper and Copper Alloys	Sulphur (S)	BS EN 15079
58	CHEMICAL- METALS & ALLOYS	Copper and Copper Alloys	Tin (Sn)	BS EN 15079
59	CHEMICAL- METALS & ALLOYS	Copper and Copper Alloys	Zinc (Zn)	BS EN 15079
60	CHEMICAL- METALS & ALLOYS	Ferrous Metals	Material Verification and Sorting By XRF	ASTM E1476
61	CHEMICAL- METALS & ALLOYS	Nickel & Nickel Alloys	Material Verification and Sorting By XRF	ASTM E1476
62	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Aluminium	IS 8811
63	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Boron	ASTM E 415
64	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Boron	IS 8811
65	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Carbon	IS 8811
66	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Chromium	IS 8811
67	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Cobalt	IS 8811
68	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Copper	IS 8811
69	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Manganese	IS 8811
70	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Molybdenum	IS 8811
71	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Nickel	IS 8811
72	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Niobium	IS 8811
73	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Silicon	IS 8811
74	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Sulphur	IS 8811
75	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Titanium	IS 8811

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
76	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Vanadium	ASTM E 415
77	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Vanadium	IS 8811
78	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Aluminium	ASTM E 415
79	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Carbon	ASTM E 415
80	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Chromium	ASTM E 415
81	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Cobalt	ASTM E 415
82	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Copper	ASTM E 415
83	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Manganese	ASTM E 415
84	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Molybdenum (Mo)	ASTM E 415
85	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Nickel	ASTM E 415
86	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Niobium	ASTM E 415
87	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Phosphorus	IS 8811
88	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Phosphorus (P)	ASTM E 415
89	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Silicon	ASTM E 415
90	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Sulphur	ASTM E 415
91	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Titanium	ASTM E 415
92	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon (C)	ASTM E1086
93	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon (C)	IS 9879
94	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium (Cr)	ASTM E-1086

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
95	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium (Cr)	IS 9879
96	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper (Cu)	ASTM E1086
97	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper (Cu)	IS 9879
98	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese (Mn)	ASTM E1086
99	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese (Mn)	IS 9879
100	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum (Mo)	ASTM E1086
101	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum (Mo)	IS 9879
102	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel (Ni)	ASTM E1086
103	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel (Ni)	IS 9879
104	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nitrogen (N)	ASTM E1086
105	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nitrogen (N)	IS 9879
106	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus (P)	ASTM E1086
107	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus (P)	IS 9879
108	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon (Si)	ASTM E-1086
109	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon (Si)	IS 9879
110	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur (S)	ASTM E-1086
111	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur (S)	IS 9879
112	CHEMICAL- METALS & ALLOYS	Stainless Steel	Tungsten (W)	ASTM E1086
113	CHEMICAL- METALS & ALLOYS	Stainless Steel	Tungsten (W)	IS 9879

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114	CHEMICAL- METALS & ALLOYS	Stainless Steel	Vanadium (V)	ASTM E1086
115	CHEMICAL- METALS & ALLOYS	Stainless Steel	Vanadium (V)	IS 9879
116	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners- Nut	Proof Load Test	ASTM A370
117	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals	Tensile Test-%Elongation	ASTM E 8/ E8M
118	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals	Tensile Test-%Elongation	BS EN ISO 6892-1
119	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals	Tensile Test-%Elongation	IS 1608-Part 1
120	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals	Tensile Test-%Reduction Area(%RA)	ASTM E 8/ E8M
121	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals	Tensile Test-%Reduction Area(%RA)	BS EN ISO 6892-1
122	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals	Tensile Test-%Reduction Area(%RA)	IS 1608
123	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals	Tensile Test-0.2% Proof Stress/Yield Stress	ASTM E 8/ E8M
124	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals	Tensile Test-0.2% Proof Stress/Yield Stress	BS EN ISO 6892-1
125	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals	Tensile Test-0.2% Proof Stress/Yield Stress	IS 1608-Part 1
126	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals	Tensile Test-Ultimate Tensile Strength	ASTM E 8/ E8M
127	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals	Tensile Test-Ultimate Tensile Strength	BS EN ISO 6892-1

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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
128	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals	Tensile Test-Ultimate Tensile Strength	IS 1608-Part 1
129	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Bend Test /Face / Root / Side Bend	AWS D1.1
130	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Tensile Test-% Reduction area (%RA)	AWS D1.1
131	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Tensile Test-0.2% Proof Stress/Yield stress	AWS D1.1
132	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Tensile Test-Ultimate Tensile Strength	AWS D1.1
133	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Bend Test / Face / Root / Side Bend	BS EN ISO 15614-1
134	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Bend Test /Face / Root / Side Bend	ASME SEC. IX
135	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Bend Test / Face / Root / Side Bend	ASME SEC. IX
136	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Bend Test / Face / Root / Side Bend	BS EN ISO 5173
137	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Bend Test / Face / Root / Side Bend	IS 3600 (Part 6)
138	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Bend Test / Face / Root / Side Bend	IS 3600 (Part 7)
139	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Bend Test / Face / Root / Side Bend	IS 3600 (Part 6)
140	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Bend Test / Face / Root / Side Bend	IS 3600 (Part 6)
141	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Bend Test / Face / Root / Side Bend	IS 3600 (Part 7)

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142	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Bend Test /Face / Root / Side Bend	ASTM E 190
143	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Bend Test /Face / Root / Side Bend	ASTM E 190
144	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Bend Test /Face / Root / Side Bend	ASTM E 190
145	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Bend Test /Face / Root / Side Bend	BS EN ISO 15614-1
146	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Bend Test /Face / Root / Side Bend	BS EN ISO 15614-1
147	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Bend Test /Face / Root / Side Bend	BS EN ISO 15614-1
148	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Bend Test /Face / Root / Side Bend	BS EN ISO 15614-1
149	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Bend Test /Face / Root / Side Bend	BS EN ISO 5173
150	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Bend Test /Face / Root / Side Bend	BS EN ISO 5173
151	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Bend Test /Face / Root / Side Bend	BS EN ISO 5173
152	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Bend Test /Face / Root / Side Bend	IS 3600 (Part 5)
153	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Bend Test /Face / Root / Side Bend	IS 3600 (Part 5)
154	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Bend Test /Face / Root / Side Bend	IS 3600 (Part 5)
155	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Bend Test /Face / Root / Side Bend	IS 3600 (Part 5)

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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
156	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Bend Test /Face / Root / Side Bend	IS 3600 (Part 6)
157	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Bend Test /Face / Root / Side Bend	IS 3600 (Part 7)
158	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Bend Test /Face / Root / Side Bend	IS 3600 (Part 7)
159	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Bend Test /Face / Root / Side Bend	IS 3600 (Part 7)
160	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Bend Test /Face / Root / Side Bend	ASME SEC. IX
161	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Bend Test/Face / Root / Side Bend	ASME SEC. IX
162	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Bend Test/Face / Root / Side Bend	ASTM E 190
163	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Bend Test/Face / Root / Side Bend	BS EN ISO 5173
164	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Bend Test/Face / Root / Side Bend	IS 3600 (Part 5)
165	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Bend Test/Face / Root / Side Bend	IS 3600 (Part 6)
166	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Bend Test/Face/Root / Side Bend	ASTM E 190
167	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Tensile Test-% Elongation	ASME SEC.IX
168	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Tensile Test-% Reduction area (%RA)	ASME SEC.IX
169	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Tensile Test-% Reduction area (%RA)	BS EN ISO 15614-1

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170	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Tensile Test-% Reduction area (%RA)	BS EN ISO 4136
171	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Tensile Test-% Reduction area (%RA)	IS 3600 (Part 3)
172	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Tensile Test-% Reduction area (%RA)	IS 7307-1
173	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Tensile Test-% Reduction area (%RA)	IS3600 (Part 4)
174	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Tensile Test-%Elongation	BS EN ISO 15614-1
175	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Tensile Test-%Elongation	BS EN ISO 4136
176	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Tensile Test-%Elongation	IS 3600 (Part 3)
177	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Tensile Test-%Elongation	IS 3600 (Part 4)
178	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Tensile Test-%Elongation	IS 7307-1
179	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Tensile Test-0.2% Proof Stress/Yield stress	ASME SEC.IX
180	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Tensile Test-0.2% Proof Stress/Yield stress	BS EN ISO 15614-1
181	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Tensile Test-0.2% Proof Stress/Yield stress	BS EN ISO 4136
182	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Tensile Test-0.2% Proof Stress/Yield stress	IS 3600 (Part 3)
183	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Tensile Test-0.2% Proof Stress/Yield stress	IS 3600 (Part 4)

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184	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Tensile Test-0.2% Proof Stress/Yield stress	IS 7307-1
185	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Tensile Test-Ultimate Tensile Strength	ASME SEC.IX
186	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Tensile Test-Ultimate Tensile Strength	BS EN ISO 15614-1
187	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Tensile Test-Ultimate Tensile Strength	BS EN ISO 4136
188	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Tensile Test-Ultimate Tensile Strength	IS 3600 (Part 3)
189	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Tensile Test-Ultimate Tensile Strength	IS 3600 (Part 4)
190	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Tensile Test-Ultimate Tensile Strength	IS 7307-1
191	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Bend Test /Face / Root / Side Bend	ASME SEC. IX
192	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Brinell Hardness	ASTM E10
193	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Brinell Hardness	BS EN ISO 6506-1
194	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Brinell Hardness	BS EN ISO 9015-1
195	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Brinell Hardness	IS 1500 (Part 1)
196	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Hardness Test Rockwell Hardness HRB	ASTM E18
197	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Hardness Test Rockwell Hardness HRB	BS EN ISO 6508-1

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198	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Hardness Test Rockwell Hardness HRB	IS 1586 (Part 1)
199	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Hardness Test Rockwell Hardness HRC	ASTM E18
200	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Hardness Test Rockwell Hardness HRC	BS EN ISO 6508-1
201	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Hardness Test Rockwell Hardness HRC	IS 1586 (Part 1)
202	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Superficial Rockwell Hardness HR15N	ASTM E18
203	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Superficial Rockwell Hardness HR15N	BS EN ISO 6508-1
204	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Superficial Rockwell Hardness HR15N	IS 1586 (Part 1)
205	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Superficial Rockwell Hardness HR30N	ASTM A370
206	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Superficial Rockwell Hardness HR30N	ASTM E18
207	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Superficial Rockwell Hardness HR30N	BS EN ISO 6508-1
208	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Superficial Rockwell Hardness HR30N	IS 1586 (Part 1)
209	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Superficial Rockwell Hardness HR45N	ASTM E18
210	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Superficial Rockwell Hardness HR45N	BS EN ISO 6508-1
211	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Superficial Rockwell Hardness HR45N	IS 1586 (Part 1)

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212	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals Including Weld Metals	Tensile Test-% Elongation	AWS D1.1
213	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non ferrous alloys including weld specimens	Charpy Impact test	ASTM E23
214	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non ferrous alloys including weld specimens	Charpy Impact test	BS EN ISO 9016
215	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non ferrous alloys including weld specimens	Charpy Impact test	ISO 148-1
216	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Jominy End Quench Test (Hardenability Test)	IS 3848
217	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Jominy End Quench Test (Hardenability Test)	ASTM A255
218	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material Tubes and Pipes	Flattening Test	ASTM A370
219	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material Tubes and Pipes	Flattening Test	ISO 8492
220	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials - Steel and its Products, Ni Alloy and products, Al alloys and its products	Bend Test	ASTM E 290
221	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials - Steel and its Products, Ni Alloy and products, Al alloys and its products	Bend Test	IS 1599
222	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials - Steel and its Products, Ni Alloy and products, Al alloys and its products	Bend Test	IS 1599
223	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials - Steel and its Products, Ni Alloy and products, Al alloys and its products	Bend Test	IS 1599
224	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials - Steel and its Products, Ni Alloy and products, Al alloys and its products	Bend Test	ASTM E 290
225	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials - Steel and its Products, Ni Alloy and products, Al alloys and its products	Bend Test	ASTM E 290

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226	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials - Steel and its Products, Ni Alloy and products, Al alloys and its products	Bend Test	ASTM E 290
227	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials - Steel and its Products, Ni Alloy and products, Al alloys and its products	Bend Test	ASTM E 290
228	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials - Steel and its Products, Ni Alloy and products, Al alloys and its products	Bend Test	IS 1599
229	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials - Steel and its Products, Ni Alloy and products, Al alloys and its products	Bend Test	IS 1599
230	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforced steel bars & wires	Rebend Test	IS 1786
231	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforced steel bars & wires	Rebend Test	IS 1786
232	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforced steel bars & wires	Rebend Test	IS 1786
233	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforced steel bars & wires	Rebend Test	IS 1786
234	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforced steel bars & wires	Rebend Test	IS 1786
235	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforced steel bars & wires	Weight/meter	IS 1786
236	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel & its products including weld metals	Bend Test	ASTM A370
237	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel & its products including weld metals	Bend Test	ASTM A370
238	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel & its products including weld metals	Bend Test	ASTM A370
239	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel & its products including weld metals	Bend Test	ASTM A370

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240	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel & its products including weld metals	Bend Test	ASTM A370
241	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel & its products including weld metals	Charpy Impact test	ASTM A370
242	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel & its products including weld metals	Tensile Test-%Elongation	ASTM A370
243	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel & its products including weld metals	Tensile Test-%Reduction Area(%RA)	ASTM A370
244	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel & its products including weld metals	Tensile Test-0.2% Proof Stress/Yield Stress	ASTM A370
245	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel & its products including weld metals	Tensile Test-Ultimate Tensile Strength	ASTM A370
246	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel & its products including weld metals	Through thickness tensile test / Z test	ASTM A770/770M-03
247	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel & its products including weld metals	Through thickness tensile test / Z test	BS EN ISO 10164
248	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel and Its Products including weld metals	Brinell Hardness	ASTM A 370
249	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel and Its Products including weld metals	Hardness Test Rockwell Hardness HRBW	ASTM A370
250	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel and Its Products including weld metals	Hardness Test Rockwell Hardness HRC	ASTM A370
251	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel and Its Products including weld metals	Superficial Rockwell Hardness HR15N	ASTM A370
252	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel and Its Products including weld metals	Superficial Rockwell Hardness HR45N	ASTM A370
253	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	IGCT Practice A	ASTM A262

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254	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	IGCT Practice B	ASTM A262
255	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	IGCT Practice C	ASTM A262
256	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	IGCT Practice E	ASTM A262
257	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	IGCT Practice F	ASTM A262
258	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	Intergranular corrosion test	IS 10461(Part1)
259	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	Intergranular corrosion test	IS 10461(Part2)
260	MECHANICAL-METALLOGRAPHY TEST	Cast iron(grey iron), Ductile iron	Graphite type, distribution and size	ASTM A247
261	MECHANICAL-METALLOGRAPHY TEST	Cast iron(grey iron), Ductile iron	Graphite type, distribution and size	IS 7754
262	MECHANICAL-METALLOGRAPHY TEST	Duplex stainless steels, stainless steel and related alloys	Crevice corrosion test	ASTM G48 Method B
263	MECHANICAL-METALLOGRAPHY TEST	Duplex stainless steels, stainless steel and related alloys	Pitting corrosion test	ASTM G48 Method C
264	MECHANICAL-METALLOGRAPHY TEST	Duplex stainless steels, stainless steel and related alloys	Pitting corrosion test	ASTM G48 Method E
265	MECHANICAL-METALLOGRAPHY TEST	Duplex stainless steels, stainless steel and related alloys	Pitting corrosion test	ASTM G48 Method A
266	MECHANICAL-METALLOGRAPHY TEST	Ferritic Stainless Steel	Intergranular attack in Ferritic steel	ASTM A763
267	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous Metals	Macro examination/Visual examination	AWS D1.1
268	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous Metals	Macro examination/Visual examination	ASM Metal Hand Book Vol. 9
269	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous Metals	Macro examination/Visual examination	ASTM E381
270	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous Metals	Macro examination/Visual examination	IS 11371
271	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous Metals	Macro examination/Visual examination	IS 13015
272	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous Metals Including Weld Metals	Macro examination/Visual examination	ASME Sec IX

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273	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous Metals Including Weld Metals	Macro examination/Visual examination	BS EN ISO 17639
274	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous Metals Including Weld Metals	Macro examination/Visual examination	IS 3600 (Part 9)
275	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous Metals Including Weld Metals	Macro examination/Visual examination	IS 7307 (Part 1)
276	MECHANICAL-METALLOGRAPHY TEST	Ferrous and non ferrous Metals and alloys	Microstructural analysis	ASM Handbook Vol.9
277	MECHANICAL-METALLOGRAPHY TEST	Ferrous and non ferrous Metals and alloys	Microstructural analysis,	ASTM E407 & ASM Hand Book Vol 9-2004
278	MECHANICAL-METALLOGRAPHY TEST	Ferrous and non ferrous Metals and alloys	Microstructural analysis, In-situ Metallography	ASTM E1351
279	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials,Non-ferrous materials,alloys,Painted panels & products	Salt Spray (Fog) test	ISO 9227
280	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials,Non-ferrous materials,alloys,Painted panels & products	Salt Spray (Fog) test	ASTM B117
281	MECHANICAL-METALLOGRAPHY TEST	Ferrous metals	Depth of decarburization by Microscopic method	ASTM E1077
282	MECHANICAL-METALLOGRAPHY TEST	Ferrous metals	Inclusion rating by method A to D	DIN 50602
283	MECHANICAL-METALLOGRAPHY TEST	Ferrous metals	Depth of decarburization by Microscopic method	IS 6396
284	MECHANICAL-METALLOGRAPHY TEST	Ferrous metals	Inclusion rating by comparison method	ASTM E45 Method A and D
285	MECHANICAL-METALLOGRAPHY TEST	Ferrous metals	Inclusion rating by comparison method	IS 4163 Method A
286	MECHANICAL-METALLOGRAPHY TEST	Ferrous metals and non ferrous metals	Case depth by Microscopic method	ISO 18203
287	MECHANICAL-METALLOGRAPHY TEST	Ferrous metals and non ferrous metals	Case depth by Microscopic method	IS 6416
288	MECHANICAL-METALLOGRAPHY TEST	Ferrous metals and non ferrous metals	Coating thickness by Microscopic method	IS 3203
289	MECHANICAL-METALLOGRAPHY TEST	Multiphase Ferrous and non ferrous alloys	Determination of volume fraction of phases	ASTM E562
290	MECHANICAL-METALLOGRAPHY TEST	Multiphase ferrous alloys	Ferrite measurement by Feritscope	ASTM A800/ 800M
291	MECHANICAL-METALLOGRAPHY TEST	Multiphase ferrous alloys	Ferrite measurement by Feritscope	ASTM A800/ 800M

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292	MECHANICAL-METALLOGRAPHY TEST	Stainless steel & duplex steel materials	IGCT	BS EN ISO 3651-1
293	MECHANICAL-METALLOGRAPHY TEST	Stainless steel & duplex steel materials	IGCT Method A	BS EN ISO 3651-2
294	MECHANICAL-METALLOGRAPHY TEST	Stainless steel & duplex steel materials	IGCT Method B	BS EN ISO 3651-2
295	MECHANICAL-METALLOGRAPHY TEST	Stainless steel & Duplex Steel Material	IGCT Method C	BS EN ISO 3651-2
296	MECHANICAL-METALLOGRAPHY TEST	Stainless steel /Duplex stainless steels	Detecting presence of detrimental intermetallic phases	ASTM A923 Method A
297	MECHANICAL-METALLOGRAPHY TEST	Stainless steel /Duplex stainless steels	Detecting presence of detrimental intermetallic phases	ASTM A923 Method B
298	MECHANICAL-METALLOGRAPHY TEST	Stainless steel /Duplex stainless steels	Detecting presence of detrimental intermetallic phases	ASTM A923 Method C
299	MECHANICAL-METALLOGRAPHY TEST	Steel and its products, Ni alloys, Copper alloys	Grain size measurement by comparison method,	ASTM E112
300	MECHANICAL-METALLOGRAPHY TEST	Steel and its products, Ni alloys, Copper alloys	Grain size measurement by comparison method,	IS 4748
301	MECHANICAL-METALLOGRAPHY TEST	Wrought nickel rich chromium bearing alloys	Inter granular corrosion test - Method A	ASTM G28

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Site Facility				
1	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Material Verification and Sorting By XRF	ASTM E1476
2	CHEMICAL- METALS & ALLOYS	Ferrous Metals	Material Verification and Sorting By XRF	ASTM E1476
3	CHEMICAL- METALS & ALLOYS	Nickel & Nickel Alloys	Material Verification and Sorting By XRF	ASTM E1476
4	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Aluminium (Al)	IS 8811
5	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Carbon (C)	IS 8811
6	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Chromium (Cr)	IS 8811
7	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Manganese (Mn)	IS 8811
8	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Molybdenum (Mo)	IS 8811
9	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Nickel (Ni)	IS 8811
10	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Silicon (Si)	IS 8811
11	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Sulphur (S)	IS 8811
12	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Titanium (Ti)	IS 8811
13	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Vanadium (V)	ASTM E 415
14	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Vanadium (V)	IS 8811
15	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Aluminium (Al)	ASTM E415
16	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Carbon (C)	ASTM E 415
17	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Chromium (Cr)	ASTM E 415
18	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Manganese (Mg)	ASTM E 415

SCOPE OF ACCREDITATION

Laboratory Name : DELTA METALLURGICAL LABORATORY & SERVICES, C.S. NO.13301/1, SHOP NO. 2, SUMERU PLAZA, NEMINATH NAGAR, SANGLI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 22/03/2022 to 21/03/2024 **Last Amended on** -

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	Plain carbon steel & low alloy steel	Molybdenum (Mo)	ASTM E 415
20	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Phosphorus (P)	ASTM E 415
21	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Phosphorus (P)	IS 8811
22	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Silicon (Si)	ASTM E 415
23	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Sulphur (S)	ASTM E 415
24	CHEMICAL- METALS & ALLOYS	Plain carbon steel & low alloy steel	Titanium (Ti)	ASTM E 415
25	CHEMICAL- METALS & ALLOYS	Plain carbon steel&low alloy steel	Nickel (Ni)	ASTM E 415
26	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon (C)	ASTM E 1086
27	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon (C)	IS 9879
28	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium (Cr)	ASTM E1086
29	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium (Cr)	IS 9879
30	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper (Cu)	ASTM E-1086
31	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper (Cu)	IS 9879
32	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese (Mn)	ASTM E-1086
33	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese (Mn)	IS 9879
34	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum (Mo)	ASTM E-1086
35	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum (Mo)	IS 9879
36	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel (Ni)	ASTM E-1086
37	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel (Ni)	IS 9879

SCOPE OF ACCREDITATION

Laboratory Name : DELTA METALLURGICAL LABORATORY & SERVICES, C.S. NO.13301/1, SHOP NO. 2, SUMERU PLAZA, NEMINATH NAGAR, SANGLI, MAHARASHTRA, 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
38	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus (P)	ASTM E-1086
39	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus (P)	IS 9879
40	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon (Si)	ASTM E1086
41	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon (Si)	IS 9879
42	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur (S)	ASTM E1086
43	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur (S)	IS 9879
44	MECHANICAL-METALLOGRAPHY TEST	Ferrous and non ferrous Metals and alloys	Microstructural analysis, In-situ Metallography	ASTM E1351
45	MECHANICAL-METALLOGRAPHY TEST	Multiphase ferrous alloys	Ferrite measurement by Feritscope	ASTM A800/ 800M
46	MECHANICAL-METALLOGRAPHY TEST	Multiphase ferrous alloys	Ferrite measurement by Feritscope	ASTM A800/ 800M