National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SRI RAGHAVENDRA MATERIAL TESTING SERVICES, Q1, KSSIDC INDUSTRIAL ESTATE, 2ND STAGE, JIGANI LINK ROAD, BOMMASANDRA INDUSTRIAL AREA, BENGALURU, BENGALURU URBAN, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- CORROSION TESTS	Coated/Plated Articles	Neutral Salt spray Test	ISO 9227, ASTM B117
2	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Chromium	ASTM E 1251
3	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Cobalt	ASTM E 1251
4	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Iron	ASTM E 1251
5	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Lead	ASTM E 1251
6	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Magnesium	ASTM E 1251
7	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Manganese	ASTM E 1251
8	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Nickel	ASTM E 1251
9	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Silicon	ASTM E 1251
10	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Tin	ASTM E 1251
11	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Titanium	ASTM E 1251
12	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Vanadium	ASTM E 1251
13	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Zinc	ASTM E 1251
14	CHEMICAL- METALS & ALLOYS	Aluminium& its alloys	Copper	ASTM E 1251
15	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steel	Aluminium	ASTM E 415, IS 8811, JIS G 1253
16	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steel	Arsenic	ASTM E 415, IS 8811, JIS G 1253
17	CHEMICAL- METALS & ALLOYS	Carbon & Alloy steel	Boron	ASTM E 415, IS 8811, JIS G 1253
18	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steel	Carbon	ASTM E 415, IS 8811, JIS G 1253

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
19	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steel	Chromium	ASTM E 415, IS 8811, JIS G 1253
20	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steel	Cobalt	ASTM E 415, IS 8811, JIS G 1253
21	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steel	Copper	ASTM E 415, IS 8811, JIS G 1253
22	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steel	Lead	ASTM E 415, IS 8811, JIS G 1253
23	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steel	Manganese	ASTM E 415, IS 8811, JIS G 1253
24	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steel	Molybedium	ASTM E 415, IS 8811, JIS G 1253
25	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steel	Nickel	ASTM E 415, IS 8811, JIS G 1253
26	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steel	NIOBIUM	ASTM E 415, IS 8811, JIS G 1253
27	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steel	Phosphorous	ASTM E 415, IS 8811, JIS G 1253
28	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steel	Silicon	ASTM E 415, IS 8811, JIS G 1253
29	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steel	Sulphur	ASTM E 415, IS 8811, JIS G 1253
30	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steel	Tin	ASTM E 415, IS 8811, JIS G 1253
31	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steel	Titanium	ASTM E 415, IS 8811, JIS G 1253
32	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steel	Tungsten	ASTM E 415, IS 8811, JIS G 1253
33	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steel	Vanadium	IASTM E 415, S 8811, JIS G 1253
34	CHEMICAL- METALS & ALLOYS	Cast Iron	Aluminium	IS 15338
35	CHEMICAL- METALS & ALLOYS	Cast Iron	Arsenic	IS 15338
36	CHEMICAL- METALS & ALLOYS	Cast Iron	carbon	IS 15338
37	CHEMICAL- METALS & ALLOYS	Cast Iron	chromium	IS 15338

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
38	CHEMICAL- METALS & ALLOYS	Cast Iron	Cobalt	IS 15338
39	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper	IS 15338
40	CHEMICAL- METALS & ALLOYS	Cast Iron	Magnesium	IS 15338
41	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	IS 15338
42	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdenum	IS 15338
43	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel	IS 15338
44	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorous	IS 15338
45	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	IS 15338
46	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur	IS 15338
47	CHEMICAL- METALS & ALLOYS	Cast Iron	Tin	IS 15338
48	CHEMICAL- METALS & ALLOYS	Cast iron	Titanium	IS 15338
49	CHEMICAL- METALS & ALLOYS	Cast Iron	Vanadium	IS 15338
50	CHEMICAL- METALS & ALLOYS	Copper & its Alloys	Aluminium	BS EN 15079
51	CHEMICAL- METALS & ALLOYS	Copper & its Alloys	Arsenic	BS EN 15079
52	CHEMICAL- METALS & ALLOYS	Copper & its Alloys	Chromium	BS EN 15079
53	CHEMICAL- METALS & ALLOYS	Copper & its Alloys	Iron	BS EN 15079
54	CHEMICAL- METALS & ALLOYS	Copper & its Alloys	Lead	BS EN 15079
55	CHEMICAL- METALS & ALLOYS	Copper & its Alloys	Manganese	BS EN 15079
56	CHEMICAL- METALS & ALLOYS	Copper & its Alloys	Nickel	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 & its alloys	Phosphorous	BS EN 15079
58	CHEMICAL- METALS & ALLOYS	Copper & its Alloys	Silicon	BS EN 15079
59	CHEMICAL- METALS & ALLOYS	Copper & its Alloys	Sulphur	BS EN 15079
60	CHEMICAL- METALS & ALLOYS	Copper & its Alloys	Tin	BS EN 15079
61	CHEMICAL- METALS & ALLOYS	Copper & its Alloys	Zinc	BS EN 15079
62	CHEMICAL- METALS & ALLOYS	Nickel & its Alloys	Aluminium	ASTM E 3047
63	CHEMICAL- METALS & ALLOYS	Nickel & its Alloys	Carbon	ASTM E 3047
64	CHEMICAL- METALS & ALLOYS	Nickel & its Alloys	Chromium	ASTM E 3047
65	CHEMICAL- METALS & ALLOYS	Nickel & its Alloys	Cobalt	ASTM E 3047
66	CHEMICAL- METALS & ALLOYS	Nickel & its Alloys	Copper	ASTM E 3047
67	CHEMICAL- METALS & ALLOYS	Nickel & its Alloys	Iron	ASTM E 3047
68	CHEMICAL- METALS & ALLOYS	Nickel & its Alloys	Manganese	ASTM E 3047
69	CHEMICAL- METALS & ALLOYS	Nickel & its Alloys	Molybdenum	ASTM E 3047
70	CHEMICAL- METALS & ALLOYS	Nickel & its Alloys	Niobium	ASTM E 3047
71	CHEMICAL- METALS & ALLOYS	Nickel & its Alloys	Phosphorous	ASTM E 3047
72	CHEMICAL- METALS & ALLOYS	Nickel & its Alloys	Silicon	ASTM E 3047
73	CHEMICAL- METALS & ALLOYS	Nickel & its Alloys	Sulphur	ASTM E 3047
74	CHEMICAL- METALS & ALLOYS	Nickel & its Alloys	Titanium	ASTM E 3047
75	CHEMICAL- METALS & ALLOYS	Nickel & its Alloys	Tungsten	ASTM E 3047

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
76	CHEMICAL- METALS & ALLOYS	Stainless steel	Silicon	IS 9879, JIS G 1253
77	CHEMICAL- METALS & ALLOYS	Stainless Steel	Aluminium	IS 9879, JIS G 1253
78	CHEMICAL- METALS & ALLOYS	Stainless steel	Boron	IS 9879, JIS G 1253
79	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS 9879 / JIS G 1253
80	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 9879, JIS G 1253
81	CHEMICAL- METALS & ALLOYS	Stainless Steel	Cobalt	IS 9879, JIS G 1253
82	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	IS 9879, JIS G 1253
83	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS 9879, JIS G 1253
84	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	IS 9879, JIS G 1253
85	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 9879, JIS G 1253
86	CHEMICAL- METALS & ALLOYS	Stainless Steel	Niobium	IS 9879, JIS G 1253
87	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	IS 9879 / JIS G 1253
88	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	IS 9879 / JIS G 1253
89	CHEMICAL- METALS & ALLOYS	Stainless Steel	Titanium	IS 9879, JIS G 1253
90	CHEMICAL- METALS & ALLOYS	Stainless steel	Tungsten	IS 9879, JIS G 1253
91	CHEMICAL- METALS & ALLOYS	Stainless Steel	Vanadium	IS 9879, JIS G 1253
92	CHEMICAL- METALS & ALLOYS	Titanium & Titanium Alloys	Aluminium	ASTM E2994
93	CHEMICAL- METALS & ALLOYS	Titanium & Titanium Alloys	Carbon	ASTM E 2994
94	CHEMICAL- METALS & ALLOYS	Titanium & Titanium Alloys	Chromium	ASTM E 2994

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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	Titanium & Titanium Alloys	Copper	ASTM E2994
96	CHEMICAL- METALS & ALLOYS	Titanium & Titanium Alloys	Iron	ASTM E 2994
97	CHEMICAL- METALS & ALLOYS	Titanium & Titanium Alloys	Manganese	ASTM E 2994
98	CHEMICAL- METALS & ALLOYS	Titanium & Titanium Alloys	Nickel	ASTM E 2994
99	CHEMICAL- METALS & ALLOYS	Titanium & Titanium Alloys	SIlicon	ASTM E 2994
100	CHEMICAL- METALS & ALLOYS	Titanium & Titanium Alloys	Sulphur	ASTM E 2994
101	CHEMICAL- METALS & ALLOYS	Titanium & Titanium Alloys	Tin	ASTM E 2994
102	CHEMICAL- METALS & ALLOYS	Titanium & Titanium Alloys	Tungsten	ASTM E 2994
103	CHEMICAL- METALS & ALLOYS	Titanium & titanium alloys	Vanadium	ASTM E2994
104	CHEMICAL- METALS & ALLOYS	Titanium & Titanium Alloys	Zirconium	ASTM E 2994
105	CHEMICAL- METALS & ALLOYS	Tool Steel	Carbon	JIS. G 1253
106	CHEMICAL- METALS & ALLOYS	Tool Steel	Chromium	JIS G 1253
107	CHEMICAL- METALS & ALLOYS	Tool Steel	cobalt	JIS G 1253
108	CHEMICAL- METALS & ALLOYS	Tool Steel	Manganese	JIS G 1253
109	CHEMICAL- METALS & ALLOYS	Tool Steel	Molybdenum	JIS G 1253
110	CHEMICAL- METALS & ALLOYS	Tool steel	Phosphorous	JIS G 1253
111	CHEMICAL- METALS & ALLOYS	Tool Steel	Silicon	SRMTS/SOP/02 (R1, Issue1,02.07.2014
112	CHEMICAL- METALS & ALLOYS	Tool Steel	Sulphur	JIS G 1253
113	CHEMICAL- METALS & ALLOYS	Tool Steel	Tungsten	JIS. G 1253

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
114	CHEMICAL- METALS & ALLOYS	tool steel	vanadium	JIS G 1253
115	CHEMICAL- METALS & ALLOYS	Zinc & its Alloys	Aluminium	SRMTS/SOP/03 (R0 Issue1 02.07.2014)
116	CHEMICAL- METALS & ALLOYS	Zinc & its Alloys	Cadmium	SRMTS/SOP/03 (R0 Issue1 02.07.2014)
117	CHEMICAL- METALS & ALLOYS	Zinc & its Alloys	Chromium	SRMTS/SOP/03 (R0 Issue1 02.07.2014)
118	CHEMICAL- METALS & ALLOYS	Zinc & its Alloys	Copper	SRMTS/SOP/03 (R0 Issue1 02.07.2014)
119	CHEMICAL- METALS & ALLOYS	Zinc & its Alloys	Iron	SRMTS/SOP/03 (R0 Issue1 02.07.2014)
120	CHEMICAL- METALS & ALLOYS	Zinc & Its Alloys	Lead	SRMTS/SOP/03 (R0 Issue1 02.07.2014)
121	CHEMICAL- METALS & ALLOYS	Zinc & its Alloys	Magnesium	SRMTS/SOP/03 (R0 Issue1 02.07.2014)
122	CHEMICAL- METALS & ALLOYS	Zinc & its Alloys	Manganese	SRMTS/SOP/03 (R0 Issue1 02.07.2014)
123	CHEMICAL- METALS & ALLOYS	Zinc & its Alloys	Nickel	SRMTS/SOP/03 (R0 Issue1 02.07.2014)
124	CHEMICAL- METALS & ALLOYS	Zinc & its Alloys	Tin	SRMTS/SOP/03 (R0 Issue1 02.07.2014)
125	CHEMICAL- METALS & ALLOYS	Zinc & its Alloys	Titanium	SRMTS/SOP/03 (R0 Issue1 02.07.2014)
126	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Hardness-HBW(2.5/187.5)	ASTM E10
127	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials , Alloys & products	Tensile Test (Elongation)	ASTM E8, ASTM A370
128	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials , Alloys & products	Tensile Test (Elongation)	IS 1608 (Part 1)
129	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials , Alloys & products	Tensile Test (Elongation)	ISO 6892-1
130	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials Alloys & products	Bend Test (Sheets & Plates)	ASTM E 290

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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
131	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials Alloys & products	Tensile Test (Reduction Area)	IS 1608 (Part 1)
132	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials Alloys & products	Bend Test (Sheets & Plates)	ASTM A 370
133	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials Alloys & products	Bend Test (Sheets & Plates)	ISO 7438
134	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials Alloys & products	Tensile Test (Reduction Area)	ASTM E8, ASTM A370
135	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials Alloys & products	Tensile Test (Reduction Area)	ISO 6892-1
136	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials Alloys & products	Tensile Test (Tensile Strength)	ASTM E8, ASTM A370
137	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials Alloys & products	Tensile Test (Tensile Strength)	IS 1608 (Part 1)
138	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials Alloys & products	Tensile Test (Tensile Strength)	ISO 6892-1
139	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials Alloys & Products	Tensile Test (Yield Strength)	ASTM E8, ASTM A370
140	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials Alloys & Products	Tensile Test (Yield Strength)	IS 1608 (Part 1)
141	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials Alloys & Products	Tensile Test (Yield Strength)	ISO 6892-1
142	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, Alloys & products	Tensile Strength (Proof Strength)	ISO 6892-1
143	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, Alloys & products	Tensile test (0.2 % offset Yeild)	ASTM E8, ASTM A370
144	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, Alloys & products	Tensile test (Proof Strength)	IS 1608 (Part 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
145	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & Alloys	HARDNESS -HRA	IS 1586 (Part 1)
146	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & Alloys	Impact Testing of Metallic Materials(Temp: Ambient to -60 degree C)	ASTM E 23
147	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Hardness, HV5	ASTM E92
148	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Hardness-HBW(2.5/187.5)	IS 1500 (Part 1)
149	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Hardness ,HBW (10/3000)	ASTM E10
150	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Hardness- HBW (10/3000)	IS 1500 (Part 1)
151	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	HARDNESS- HBW (10/3000)	ISO 6506-1
152	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Hardness- HBW(5/750)	IS 1500 (Part 1)
153	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Hardness- HBW(5/750)	ASTM E10
154	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Hardness- HBW(5/750)	ISO 6506-1
155	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Hardness HV, H10	IS 1501 (Part 1)
156	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Hardness -mHV HV0.2	ASTM E92
157	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Hardness -mHV HV0.2	IS 1501 (Part 1)
158	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	HARDNESS -mHV HV1	ASTM E 384

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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
159	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Hardness -mHV HV1	IS 1501 (Part 1)
160	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Hardness mHV, HV 0.5	ASTM E 384
161	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Hardness mHV, HV 0.5	IS 1501 (Part 1)
162	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Hardness, HV10	ASTM E92
163	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Hardness, HV30	ASTM E92
164	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Hardness, HV30	IS 1501 (Part 1)
165	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Hardness, HV5	IS 1501 (Part 1)
166	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Hardness-HBW(2.5/187.5)	ISO: 6506-1
167	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Hardness-HRBW	IS 1586 (Part 1)
168	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Hardness-HRC	IS 1586 (Part 1)
169	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Hardness-mHV, HV 0.3	IS 1501 (Part 1)
170	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Hardness-mHV, HV 0.3	ASTM E 384
171	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Hardness-mHV, HV0.1	ASTM E 384
172	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Hardness-mHV, HV0.1	IS 1501 (Part 1)

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173	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Hardness-mHV. HV0.05	ASTM E 384
174	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Hardness-mHV. HV0.05	IS 1501 (Part 1)
175	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Impact Test - Charpy (U Notch), Temperature: (-) 60 deg C to ambient	ISO 148-1
176	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Impact Test - Charpy (V Notch), Temperature: (-) 60 degC to Ambient	ISO 148-1
177	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & alloys	Impact Test -IZOD	IS 1598
178	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Impact Test-Charpy (U Notch) (Temp: Ambient T -60 Deg C)	IS 1499
179	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & alloys	Impact Test-Charpy (V Notch) (Temp:Ambient To -60 Deg C)	IS 1757 (Part 1)
180	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non -Ferrous metals Alloys & products (Zinc, Copper,Titanium)	Tensile Test (Tensile strength)	ASTM E8
181	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non -Ferrous metals Alloys & products (Zinc, Copper,Titanium)	Tensile Test (Tensile strength)	IS 1608 (Part 1)
182	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Metals Alloys & Products	Bend Test	ASTM E290
183	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Metal Alloys & Products	Tensile Test (Yield Strength)	ASTM E8
184	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Metals Alloy & Products (Zinc, Copper,Titanium)	Tensile Test (0.2% offset yield)	ASTM E8
185	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Metals Alloy & Products (Zinc, Copper,Titanium)	Tensile Test (Proof Strength)	IS 1608 (Part 1)
186	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Metals Alloy & Products (Zinc, Copper,Titanium)	Tensile Test (Reduction Area)	IS 1608 (Part 1)

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187	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Metals Alloy & Products (Zinc, Copper,Titanium)	Tensile Test (Yield Strength)	IS 1608 (Part 1)
188	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Metals Alloys & Products(Zinc, Copper, Titanium)	Tensile Test (Reduction of Area)	IS 1608 (Part 1)
189	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Metals Alloys & Products(Zinc, Copper, Titanium)	Tensile Test (Reduction of Area)	ASTM E8
190	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Metals, alloys & products (Copper, Zinc, Titanium)	Tensile Test (Elongation)	ASTM E8
191	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Metals, alloys & products (Copper, Zinc, Titanium)	Tensile Test (Elongation)	IS 1608 (Part 1)
192	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metals	Bend Test	EN 910, ISO 5173, EN ISO 15164-1+A1(E)
193	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metals	Tensile	ASME Sec IX
194	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metals	Bend Test	AWS D 17.1
195	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metals	Bend Test	API 1104
196	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metals	Bend Test	ASME SEC IX
197	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metals	Bend Test	ASTM E 190
198	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metals	Fracture Test	ASME Sec IX
199	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metals	Fracture Test	AWS D 17.1
200	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metals	Fracture Test	IS 3600 (Part 8)

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201	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metals	Fracture Test	ISO 9017
202	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metals	Hardness Test on Arc Welded Joints	EN 1043-1,EN ISO:9015:Part 1 ,EN ISO 15164-1+A1(E)
203	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metals	Impact Testing of Metallic Materials(Temp: Ambient to -196 Deg C)	ASTM E 23 ,API 1104
204	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metals	Impact Testing of Metallic Materials(Temp: Ambient to -196 Deg C)	BS EN ISO 15164-1+A1(E)
205	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metals	Tensile	AWS D 17.1
206	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metals	Tensile	EN 895, ISO 4136, EN ISO 15164-1+A1(E)
207	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metals	Tensile	API 1104
208	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test Specimen	Shear Testing	ASME SEC IX
209	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test Specimen	Shear Testing	EN ISO 14273
210	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wrought and Cast Aluminum- and Magnesium-Alloy Products	Tensile Test (0.2% off Yield)	ASTM B557
211	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wrought and Cast Aluminum- and Magnesium-Alloy Products	Tensile Test (Elongation)	ASTM B 557
212	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wrought and Cast Aluminum- and Magnesium-Alloy Products	Tensile Test (Reduction of Area)	ASTM B 557
213	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wrought and Cast Aluminum- and Magnesium-Alloy Products	Tensile Test (Tensile strength)	ASTM B557
214	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wrought and Cast Aluminum- and Magnesium-Alloy Products	Tensile Test (Yield Strength)	ASTM B 557

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215	MECHANICAL-METALLOGRAPHY TEST	Aluminium Metal & Alloys	Microstructure	IS 7739 (Part 1 to 9)
216	MECHANICAL-METALLOGRAPHY TEST	Aluminium Metal & Alloys	Microstructure	ASM Metals Hand Book Vol9, ASTM E3-11, ASTM E407-7e1
217	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steels	IGC Practice E	ASTM A 262
218	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steels	IGC Practice F	ASTM A 262
219	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steels	IGC Test ,Practice C	ASTM A262
220	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steels	IGC Test Practice :B	ASTM A 262
221	MECHANICAL-METALLOGRAPHY TEST	Cast Iron	Graphite Flake type & size Nodularity	IS 7754, ISO-945-1
222	MECHANICAL-METALLOGRAPHY TEST	Copper Metal & alloys	Microstructure	ASM Metals Hand Book Vol9, ASTM E3-11 ASTM E407-7e1
223	MECHANICAL-METALLOGRAPHY TEST	Copper Metal & alloys	Microstructure	IS 7739 (Part 1 to 9)
224	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials , alloy & Products	Case Depth (by Hardness Traverse method) HV1	IS 6416
225	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials , alloy & Products	Case Depth(by Hardness Traverse method) HV 0.3	IS 6416
226	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials , alloy & Products	Case Depth(by Hardness Traverse method) HV 0.5	IS 6416
227	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials , Alloys & products	Grain size	IS 4748
228	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials , Alloys & products	Grain size	ASTM E 112
229	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Case Depth(by Hardness Traverse method) HV 0.1	IS 6416
230	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, Alloys & products	Case Depth(by microscopic Method)	IS 6416
231	MECHANICAL-METALLOGRAPHY TEST	Ferrouss Material Alloys & products	Macro Etch	IS 12573
232	MECHANICAL-METALLOGRAPHY TEST	Ferrouss Material Alloys & products	Macroetch	ASTM E 381, ASTM E 340
233	MECHANICAL-METALLOGRAPHY TEST	Galvanised Articles	Zinc Coating mass by stripping	ASTM A90

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234	MECHANICAL-METALLOGRAPHY TEST	Galvanised Articles	Zinc Coating mass by stripping	IS 6745
235	MECHANICAL-METALLOGRAPHY TEST	Metals & Alloys	Coating Thickness	ASTM B487
236	MECHANICAL-METALLOGRAPHY TEST	Metals & Alloys	Coating Thickness	IS 3203
237	MECHANICAL-METALLOGRAPHY TEST	Metals & Alloys	Grain Size	ASTME 1382
238	MECHANICAL-METALLOGRAPHY TEST	Metals & Alloys	Volume Fraction	ASTM E 562
239	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel	Pitting Corrosion	ASTM G48-Method A
240	MECHANICAL-METALLOGRAPHY TEST	Steel	Microstructure	IS 7739 (Part 1 to 9)
241	MECHANICAL-METALLOGRAPHY TEST	Steel	Microstructure	ASM Metals Hand Book Vol9, ASTM E3-11, ASTM E407-7e1
242	MECHANICAL-METALLOGRAPHY TEST	Steel(Plain Carbon & Alloy Steel)	Inclusion Rating	ISO 4967
243	MECHANICAL-METALLOGRAPHY TEST	Steel(Plain Carbon & Alloy Steel)	Inclusion Rating	ASTM E45
244	MECHANICAL-METALLOGRAPHY TEST	Steel(Plain Carbon & Alloy Steel)	Inclusion Rating	IS 4163
245	MECHANICAL-METALLOGRAPHY TEST	Steels	Decarb Depth	ASTM E1077
246	MECHANICAL-METALLOGRAPHY TEST	Steels	Decarb Depth	IS 6396
247	MECHANICAL-METALLOGRAPHY TEST	Steels	Decarb Depth	ISO 3887
248	MECHANICAL-METALLOGRAPHY TEST	Weld & welded test specimen	Microstructure	IS 7739 (Part 1 to 9)
249	MECHANICAL-METALLOGRAPHY TEST	Weld & welded test specimen	Microstructure	ASTM E3-11, ASTM E407-7 e1
250	MECHANICAL-METALLOGRAPHY TEST	Weld & welded test specimen	Weld & welded test specimen	ASM Metals Hand Book Vol9
251	MECHANICAL-METALLOGRAPHY TEST	Weld in Metals	Hardness Test on Arc Welded Joints	EN 1043-1, EN ISO:9015 Part 1, EN ISO 15164-1+A1(E)
252	MECHANICAL-METALLOGRAPHY TEST	Weld in Metals	Macroscopic & Microscopic Examination	ASME sec IX

SCOPE OF ACCREDITATION

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253	MECHANICAL-METALLOGRAPHY TEST	Weld in Metals	Hardness Test on Arc Welded Joints	API 1104
254	MECHANICAL-METALLOGRAPHY TEST	Weld in Metals	Macroscopic & Microscopic Examination	API 1104
255	MECHANICAL-METALLOGRAPHY TEST	Weld in Metals	Macroscopic & Microscopic Examination	EN 1321, EN ISO 15164-1+A1(E)
256	MECHANICAL-METALLOGRAPHY TEST	Weld in Metals	Macroscopic & Microscopic Examination	IS 3600 (Part 9)
257	MECHANICAL-METALLOGRAPHY TEST	Weld in Metals	Micro Hardness Test of welded Joints	EN 1043-2, ISO-9015-2
258	MECHANICAL-METALLOGRAPHY TEST	Welds & welded Test Specimens	Macroetch	ASTM E340