National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SV TECH ENGINEERING CONSULTANTS PRIVATE LIMITED (TESTING DIVISION), SV TECH HOUSE, SKILLEN, H-14, H-BLOCK PIMPRI MIDC, PUNE, MAHARASHTRA, 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- METALS & ALLOYS	Aluminum Alloy	Chromium	ASTM E1251
2	CHEMICAL- METALS & ALLOYS	Aluminum Alloy	Copper	ASTM E1251
3	CHEMICAL- METALS & ALLOYS	Aluminum Alloy	Iron	ASTM E1251
4	CHEMICAL- METALS & ALLOYS	Aluminum Alloy	Lead	ASTM E1251
5	CHEMICAL- METALS & ALLOYS	Aluminum Alloy	Magnesium	ASTM E1251
6	CHEMICAL- METALS & ALLOYS	Aluminum Alloy	Manganese	ASTM E1251
7	CHEMICAL- METALS & ALLOYS	Aluminum Alloy	Nickel	ASTM E1251
8	CHEMICAL- METALS & ALLOYS	Aluminum Alloy	Silicon	ASTM E1251
9	CHEMICAL- METALS & ALLOYS	Aluminum Alloy	Tin	ASTM E1251
10	CHEMICAL- METALS & ALLOYS	Aluminum Alloy	Titanium	ASTM E1251
11	CHEMICAL- METALS & ALLOYS	Aluminum Alloy	Zinc	ASTM E1251
12	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Aluminum	ASTM E415
13	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Aluminum	IS 8811
14	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Carbon	ASTM E415
15	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Carbon	IS 8811
16	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Chromium	ASTM E415
17	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Chromium	IS 8811
18	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Cobalt	ASTM E415

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19	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Cobalt	IS 8811
20	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Copper	ASTM E415
21	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Copper	IS 8811
22	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Manganese	ASTM E415
23	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Manganese	IS 8811
24	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Molybdenum	ASTM E415
25	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Molybdenum	IS 8811
26	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Nickel	ASTM E415
27	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Nickel	IS 8811
28	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Phosphorous	ASTM E415
29	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Phosphorous	IS 8811
30	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Silicon	ASTM E415
31	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Silicon	IS 8811
32	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Sulphur	ASTM E415
33	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Sulphur	IS 8811
34	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Vanadium	ASTM E415
35	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Vanadium	IS 8811
36	CHEMICAL- METALS & ALLOYS	Copper Alloy	Aluminum	BS EN 15079
37	CHEMICAL- METALS & ALLOYS	Copper Alloy	Antimony	BS EN 15079

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38	CHEMICAL- METALS & ALLOYS	Copper Alloy	Arsenic	BS EN 15079
39	CHEMICAL- METALS & ALLOYS	Copper Alloy	Iron	BS EN 15079
40	CHEMICAL- METALS & ALLOYS	Copper Alloy	Lead	BS EN 15079
41	CHEMICAL- METALS & ALLOYS	Copper Alloy	Nickel	BS EN 15079
42	CHEMICAL- METALS & ALLOYS	Copper Alloy	Phosphorus	BS EN 15079
43	CHEMICAL- METALS & ALLOYS	Copper Alloy	Tin	BS EN 15079
44	CHEMICAL- METALS & ALLOYS	Copper Alloy	Zinc	BS EN 15079
45	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM E1086
46	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS 9879
47	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E1086
48	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 9879
49	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E1086
50	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	IS 9879
51	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E1086
52	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS 9879
53	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E1086
54	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	IS 9879
55	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E1086
56	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 9879

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57	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorous	ASTM E1086
58	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorous	IS 9879
59	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E1086
60	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	IS 9879
61	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	ASTM E1086
62	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	IS 9879
63	CHEMICAL- METALS & ALLOYS	Tool Steel	Carbon	JIS G 1253
64	CHEMICAL- METALS & ALLOYS	Tool Steel	Chromium	JIS G 1253
65	CHEMICAL- METALS & ALLOYS	Tool Steel	Cobalt	JIS G 1253
66	CHEMICAL- METALS & ALLOYS	Tool Steel	Manganese	JIS G 1253
67	CHEMICAL- METALS & ALLOYS	Tool Steel	Molybdenum	JIS G 1253
68	CHEMICAL- METALS & ALLOYS	Tool Steel	Phosphorous	JIS G 1253
69	CHEMICAL- METALS & ALLOYS	Tool Steel	Silicon	JIS G 1253
70	CHEMICAL- METALS & ALLOYS	Tool Steel	Sulphur	JIS G 1253
71	CHEMICAL- METALS & ALLOYS	Tool Steel	Tungsten	JIS G 1253
72	CHEMICAL- METALS & ALLOYS	Tool Steel	Vanadium	JIS G 1253
73	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	0.2 % Proof Stress	ASME Section II (Part A SA 370)
74	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	0.2 % Proof Stress	ASTM E8/E8M

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75	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	0.2 % Proof Stress	AWS B 4.0
76	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	0.2 % Proof Stress	IS 1608 (Part 1)
77	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	0.2 % Proof Stress	ISO 6892 (Part 1)
78	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	0.5 % Proof Stress	ASME Section II (Part A SA 370)
79	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	0.5 % Proof Stress	AWS B 4.0
80	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	0.5 % Proof Stress	AWS D1.1/D1.1M
81	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	1 % Proof Stress	ASME Section II (Part A SA 370)
82	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	1 % Proof Stress	AWS B 4.0
83	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Bend Test	ASTM A370
84	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Bend Test	IS 1599
85	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Bend Test (For Flat & Round Products)	ASME Section II (Part A SA 370)
86	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Bend Test (For Flat & Round Products)	ASME Section IX
87	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Bend Test (For Flat & Round Products)	AWS B 4.0
88	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Bend Test (For Flat & Round Products)	AWS D1.1/D1.1M

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89	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Brinell Hardness (HBW 10/3000)	ISO 6506-1
90	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Brinell Hardness (HBW 2.5/187.5)	ASTM A370
91	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Brinell Hardness (HBW 5/750)	ASTM A370
92	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Brinell Hardness (HBW 5/750)	ASTM E10
93	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Brinell Hardness (HBW 5/750)	IS 1500 (Part 1)
94	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Brinell Hardness (HBW 5/750)	ISO 6506-1
95	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Brinell Hardness HBW (10/3000)	ASTM A370
96	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Brinell Hardness HBW (10/3000)	ASTM E10
97	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Brinell Hardness HBW (10/3000)	IS 1500 (Part 1)
98	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Elongation	ASME Section II (Part A SA 370)
99	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Elongation	ASTM A370
100	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Elongation	ASTM E8/E8M
101	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Elongation	AWS B 4.0
102	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Elongation	AWS D1.1/D1.1M

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103	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Elongation	IS 1608 (Part 1)
104	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Impact Test - Charpy V Notch (Temperature: +50°C to -196°C)	ASME Section II (Part A SA 370)
105	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Impact Test - Charpy V Notch (Temperature: +50°C to -196°C)	ASME Section VIII
106	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Impact Test - Charpy V Notch (Temperature: +50°C to -196°C)	ASTM E23
107	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Impact Test - Charpy V Notch (Temperature: +50°C to -196°C)	AWS B 4.0
108	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Impact Test - Charpy V Notch (Temperature: +50°C to -196°C)	ISO 148 (Part 1)
109	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Reduction Area	ASME Section II (Part A SA 370)
110	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Reduction Area	ASTM A370
111	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Reduction Area	ASTM E8/E8M
112	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Reduction Area	AWS D1.1/D1.1M
113	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Reduction Area	IS 1608 (Part 1)
114	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Reduction Area	AWS B 4.0
115	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Rockwell Hardness (HRA)	ASME Section II (Part A SA 370)
116	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Rockwell Hardness (HRA)	ASTM E18

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117	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Rockwell Hardness (HRA)	IS 1586 (Part 1)
118	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Rockwell Hardness (HRA)	ISO 6508-1
119	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Rockwell Hardness (HRBW)	ASME Section II (Part A SA 370)
120	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Rockwell Hardness (HRBW)	ASTM E18
121	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Rockwell Hardness (HRBW)	IS 1586 (Part 1)
122	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Rockwell Hardness (HRBW)	ISO 6508-1
123	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Rockwell Hardness (HRC)	ASME Section II (Part A SA 370)
124	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Rockwell Hardness (HRC)	ASTM E18
125	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Rockwell Hardness (HRC)	IS 1586 (Part 1)
126	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Rockwell Hardness (HRC)	ISO 6508-1
127	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Tensile Strength	ASME Section II (Part A SA 370)
128	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Tensile Strength	ASME Section IX
129	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Tensile Strength	ASTM A370
130	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Tensile Strength	ASTM E8/E8M

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131	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Tensile Strength	IS 1608 (Part 1)
132	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Tensile Strength	AWS B 4.0
133	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Vickers & Micro Vickers Hardness (HV 0.1)	ASTM E384
134	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Vickers & Micro Vickers Hardness (HV 0.1)	ASTM E92
135	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Vickers & Micro Vickers Hardness (HV 0.1)	IS 1501 (Part 1)
136	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Vickers & Micro Vickers Hardness (HV 0.5)	ASTM E384
137	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Vickers & Micro Vickers Hardness (HV 0.5)	ASTM E92
138	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Vickers & Micro Vickers Hardness (HV 0.5)	IS 1501 (Part 1)
139	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Vickers & Micro Vickers Hardness (HV 1)	ASTM E384
140	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Vickers & Micro Vickers Hardness (HV 1)	ASTM E92
141	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Vickers & Micro Vickers Hardness (HV 1)	IS 1501 (Part 1)
142	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Vickers & Micro Vickers Hardness (HV 10)	ASTM E384
143	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Vickers & Micro Vickers Hardness (HV 10)	ASTM E92
144	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Vickers & Micro Vickers Hardness (HV 10)	IS 1501 (Part 1)

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145	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Vickers & Micro Vickers Hardness (HV 30)	ASTM E384
146	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Vickers & Micro Vickers Hardness (HV 30)	ASTM E92
147	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Vickers & Micro Vickers Hardness (HV 30)	IS 1501 (Part 1)
148	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Vickers & Micro Vickers Hardness (HV 5)	ASTM E384
149	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Vickers & Micro Vickers Hardness (HV 5)	ASTM E92
150	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Vickers & Micro Vickers Hardness (HV 5)	IS 1501 (Part 1)
151	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Yield Strength	ASTM A370
152	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Yield Strength	ASTM E8/E8M
153	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Yield Strength	IS 1608 (Part 1)
154	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Yield Stress	ASME Section II (Part A SA 370)
155	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials and Products	Yield Stress	AWS D1.1/ D1.1M
156	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials and Products	Impact Test - Charpy V Notch (Temperature: +50°C to -196°C)	ASTM A370
157	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials and Products	Impact Test - Charpy V Notch (Temperature: +50°C to -196°C)	IS 1757 (Part 1)
158	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Materials and Products	0.2 % Proof Stress	ASTM B557

SCOPE OF ACCREDITATION

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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
159	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Materials and Products	Elongation	ASTM B557
160	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Materials and Products	Reduction Area	ASTM B557
161	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Materials and Products	Tensile Strength	ASTM B557
162	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Materials and Products	Yield Strength	ASTM B557
163	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Stainless Steel Materials and Products	0.5 % Proof Stress	AWS D1.6/D1.6M
164	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Stainless Steel Materials and Products	1 % Proof Stress	AWS D1.6/D1.6M
165	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Stainless Steel Materials and Products	Bend Test (For Flat & Round Products)	AWS D1.6/D1.6M
166	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Stainless Steel Materials and Products	Elongation	AWS D1.6/D1.6M
167	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Stainless Steel Materials and Products	Reduction Area	AWS D1.6/D1.6M
168	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Stainless Steel Materials and Products	Tensile Strength	AWS D1.6/D1.6M
169	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	IGC (Practice A)	ASTM A 262
170	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	IGC (Practice B)	ASTM A 262
171	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	IGC (Practice-B)	ISO 3651 (Part-1)
172	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	IGC (Practice-C)	ASTM A 262
173	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	IGC (Practice-E)	ASTM A 262

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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
174	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	IGC(Practice-A)	ISO 3651(Part2)
175	MECHANICAL-METALLOGRAPHY TEST	Cast Iron (White , Grey , Malleable , Ductile)	Graphite Type , Distribution , Size	ASTM 247
176	MECHANICAL-METALLOGRAPHY TEST	Cast Iron (White , Grey , Malleable , Ductile)	Graphite Type , Distribution , Size	IS 7754
177	MECHANICAL-METALLOGRAPHY TEST	Duplex Austenitic &FerriticStainlessSteels	Grain Size	ASTM E 1181-02
178	MECHANICAL-METALLOGRAPHY TEST	Duplex Austenitic &FerriticStainlessSteels	Method A (Sodium Hydroxide EtchTest)	ASTM A 923
179	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous materials and products	Average Grain Size by Microscopic comparison method	ASTM E 112
180	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous materials and products	Coating Thickness (Microscopic Method)	IS 3203
181	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous materials and products	Grain Size	IS 4748
182	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous materials and products	Macro Examination	ASME Sec. IX
183	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous materials and products	Microstructure Analysis	ASM Handbook VOL. 9
184	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous materials and products	Microstructure Analysis	IS 7739
185	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials and products	Determination of Depth of Decarburization	IS 6396
186	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials and products	Measurement of Case Depth by Microscopic Method	IS 6416
187	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials and products	Non – Metallic inclusion Rating by (Method A)	ASTM E 45
188	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials and products	Non – Metallic inclusion Rating by Method A	IS 4163
189	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Macro Examination	IS11371
190	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Macrostructure Analysis	ASTM 381
191	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Microstructure Analysis	ASTM E 340

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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
192	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials,alloys & products	Micro Test (Averagegrain size bycomparisonmethod)	ISO 643
193	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials,alloys&products	Decarb Layer Test (MicroscopicMethod)	ASTME1077
194	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials,alloys&products	Macro Examination	ASTM A 561
195	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials,alloys&products	MacroExamination	IS 13015
196	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials,alloys&products	MacroExamination	ISO 6157-3
197	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials,alloys&products	Non MetallicI nclusion Rating (MethodA)	ISO 4967
198	MECHANICAL-METALLOGRAPHY TEST	SG Iron	Nodularity & Nodule Count	ASTM 247
199	MECHANICAL-METALLOGRAPHY TEST	SG Iron	Nodularity & Nodule count	IS 7754:
200	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel materials and products	Macro Examination	AWSD 1.6 / D 1.6 M
201	MECHANICAL-METALLOGRAPHY TEST	Welds & Welded Test Specimens	Macro & Micro examination	IS 3600 (Part 9)
202	MECHANICAL-METALLOGRAPHY TEST	Welds & Welded Test Specimens	Macro Examination	AWSD 1.1 / D 1.1 M