National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MATSCOPE MATERIAL TESTING LABS PRIVATE LIMITED, GAT NO. 352, CHAKAN MIDC PHASE II, BHAMBOLI, 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 and Aluminum Alloys	Chromium	ASTM E 1251
2	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum Alloys	Copper	ASTM E 1251
3	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum Alloys	Iron	ASTM E 1251
4	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum Alloys	Lead	ASTM E 1251
5	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum Alloys	Magnesium	ASTM E 1251
6	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum Alloys	Manganese	ASTM E 1251
7	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum Alloys	Nickel	ASTM E 1251
8	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum Alloys	Silicon	ASTM E 1251
9	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum Alloys	Tin	ASTM E 1251
10	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum Alloys	Titanium	ASTM E 1251
11	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum Alloys	Zinc	ASTM E 1251
12	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Sulfur	ASTM E 1086
13	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steel	Carbon	IS 9879
14	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steel	Chromium	IS 9879
15	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steel	Copper	IS 9879
16	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steel	Manganese	IS 9879
17	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steel	Molybdenum	IS 9879
18	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steel	Nickel	Is 9879

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19	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steel	Phosphorous	IS 9879
20	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steel	Silicon	IS 9879
21	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steel	Sulfur	IS 9879
22	CHEMICAL- METALS & ALLOYS	Austenitic c Stainless Steel	Nickel	ASTM E 1086
23	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Carbon	ASTM E 1086
24	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Chromium	ASTM E 1086
25	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Copper	ASTM E 1086
26	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Manganese	ASTM E 1086
27	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Molybdenum	ASTM E 1086
28	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Phsophorous	ASTM E 1086
29	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Silicon	ASTM E 1086
30	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	ASTM E 1999
31	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	IS 15338
32	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium	ASTM E 1999
33	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium	Is 15338
34	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper	ASTM E 1999
35	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper	IS 15338
36	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	ASTM E 1999
37	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	IS 15338

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38	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdenum	ASTM E 1999
39	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdenum	IS 15338
40	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel	ASTM E 1999
41	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel	IS 15338
42	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorous	ASTM E 1999
43	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorous	IS 15338
44	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	ASTM E 1999
45	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	IS 15338
46	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulfur	ASTM E 1999
47	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulfur	IS 15338
48	CHEMICAL- METALS & ALLOYS	Iron and steel	Carbon	JIS 1253
49	CHEMICAL- METALS & ALLOYS	Iron and steel	Chromium	JIS 1253
50	CHEMICAL- METALS & ALLOYS	Iron and steel	Cobalt	JIS 1253
51	CHEMICAL- METALS & ALLOYS	Iron and steel	Manganese	JIS 1253
52	CHEMICAL- METALS & ALLOYS	Iron and steel	Molybdenum	JIS 1253
53	CHEMICAL- METALS & ALLOYS	Iron and steel	Phosphorous	JIS 1253
54	CHEMICAL- METALS & ALLOYS	Iron and steel	Silicon	JIS 1253
55	CHEMICAL- METALS & ALLOYS	Iron and steel	Sulfur	JIS 1253
56	CHEMICAL- METALS & ALLOYS	Iron and steel	Tungsten	JIS 1253

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57	CHEMICAL- METALS & ALLOYS	Iron and steel	Vanadium	JIS 1253
58	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Carbon	IS 8811
59	CHEMICAL- METALS & ALLOYS	Plain carbon and low Alloy Steels	Aluminium	ASTM E 415
60	CHEMICAL- METALS & ALLOYS	Plain carbon and low Alloy Steels	Aluminium	IS 8811
61	CHEMICAL- METALS & ALLOYS	Plain carbon and low Alloy Steels	Carbon	ASTM E 415
62	CHEMICAL- METALS & ALLOYS	Plain carbon and low Alloy Steels	Chromium	ASTM E 415
63	CHEMICAL- METALS & ALLOYS	Plain carbon and low Alloy Steels	Chromium	IS 8811
64	CHEMICAL- METALS & ALLOYS	Plain carbon and low Alloy Steels	Cobalt	ASTM E 415
65	CHEMICAL- METALS & ALLOYS	Plain carbon and low Alloy Steels	Cobalt	IS 8811
66	CHEMICAL- METALS & ALLOYS	Plain carbon and low Alloy Steels	Copper	ASTM E 415
67	CHEMICAL- METALS & ALLOYS	Plain carbon and low Alloy Steels	Copper	IS 8811
68	CHEMICAL- METALS & ALLOYS	Plain carbon and low Alloy Steels	Manganese	ASTM E 415
69	CHEMICAL- METALS & ALLOYS	Plain carbon and low Alloy Steels	Manganese	IS 8811
70	CHEMICAL- METALS & ALLOYS	Plain carbon and low Alloy Steels	Molybdenum	ASTM E 415
71	CHEMICAL- METALS & ALLOYS	Plain carbon and low Alloy Steels	Molybdenum	IS 8811
72	CHEMICAL- METALS & ALLOYS	Plain carbon and low Alloy Steels	Nickel	ASTM E 415
73	CHEMICAL- METALS & ALLOYS	Plain carbon and low Alloy Steels	Nickel	IS 8811
74	CHEMICAL- METALS & ALLOYS	Plain carbon and low Alloy Steels	Niobium	ASTM E 415
75	CHEMICAL- METALS & ALLOYS	Plain carbon and low Alloy Steels	Niobium	IS 8811

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76	CHEMICAL- METALS & ALLOYS	Plain carbon and low Alloy Steels	Phosphorus	ASTM E 415
77	CHEMICAL- METALS & ALLOYS	Plain carbon and low Alloy Steels	Phosphorus	IS 8811
78	CHEMICAL- METALS & ALLOYS	Plain carbon and low Alloy Steels	Silicon	ASTM E 415
79	CHEMICAL- METALS & ALLOYS	Plain carbon and low Alloy Steels	Silicon	IS 8811
80	CHEMICAL- METALS & ALLOYS	Plain carbon and low Alloy Steels	Sulfur	ASTM E 415
81	CHEMICAL- METALS & ALLOYS	Plain carbon and low Alloy Steels	Sulfur	IS 8811
82	CHEMICAL- METALS & ALLOYS	Plain carbon and low Alloy Steels	Titanium	ASTM E 415
83	CHEMICAL- METALS & ALLOYS	Plain carbon and low Alloy Steels	Titanium	IS 8811
84	CHEMICAL- METALS & ALLOYS	Plain carbon and low Alloy Steels	Vanadium	ASTM E 415
85	CHEMICAL- METALS & ALLOYS	Plain carbon and low Alloy Steels	Vanadium	IS 8811
86	CHEMICAL- METALS & ALLOYS	Wrought Aluminum Alloys	Chromium	IS 11035
87	CHEMICAL- METALS & ALLOYS	Wrought Aluminum Alloys	Copper	IS 11035
88	CHEMICAL- METALS & ALLOYS	Wrought Aluminum Alloys	Iron	IS 11035
89	CHEMICAL- METALS & ALLOYS	Wrought Aluminum Alloys	Magnesium	IS 11035
90	CHEMICAL- METALS & ALLOYS	Wrought Aluminum Alloys	Manganese	IS 11035
91	CHEMICAL- METALS & ALLOYS	Wrought Aluminum Alloys	Silicon	IS 11035
92	CHEMICAL- METALS & ALLOYS	Wrought Aluminum Alloys	Titanium	IS 11035
93	CHEMICAL- METALS & ALLOYS	Wrought Aluminum Alloys	Zinc	IS 11035

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94	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fusion Weld Joints and Weld Metal in Steel	Fracture Test (Max. Load 400 kN)	IS 3600 (Part 8)
95	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous)	Brinell Hardness Test HBW 2.5/187.5	ASTM E10
96	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous)	Brinell Hardness Test HBW 2.5/187.5	IS 1500 (Part 1)
97	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous)	Impact Test (Charpy V-Notch: Ambient Temperature)	IS 1757 (Part 1)
98	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous)	Impact Test (Charpy V-Notch: Ambient Temperature)	ISO 148-1
99	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous)	Impact Test (Charpy V-Notch: upto -40 °C)	IS 1757 (Part 1)
100	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous)	Impact Test (Charpy V-Notch: upto -40 °C)	ISO 148-1
101	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous)	Micro Vickers Hardness (HV 0.1)	ASTM E384
102	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous)	Micro Vickers Hardness (HV 0.1)	IS 1501 (Part 1)
103	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous)	Micro Vickers Hardness (HV 0.1)	ISO 6507 (Part 1)
104	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous)	Micro Vickers Hardness (HV 1)	ASTM E384
105	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous)	Micro Vickers Hardness (HV 1)	IS 1501 (Part 1)
106	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous)	Micro Vickers Hardness (HV 1)	ISO 6507 (Part 1)
107	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous)	Rockwell Hardness (HR30N)	ASTM E18

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108	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous)	Rockwell Hardness (HRA)	ASTM A370
109	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous)	Rockwell Hardness (HRA)	ASTM E18
110	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous)	Rockwell Hardness (HRA)	IS 1586 (Part 1)
111	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous)	Rockwell Hardness (HRBW)	ASTM A370
112	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous)	Rockwell Hardness (HRBW)	ASTM E18
113	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous)	Rockwell Hardness (HRBW)	IS 1586 (Part 1)
114	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous)	Rockwell Hardness (HRC)	ASTM A370
115	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous)	Rockwell Hardness (HRC)	ASTM E18
116	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous)	Rockwell Hardness (HRC)	IS 1586 (Part 1)
117	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous)	Rockwell Superficial Hardness Test (HR30N)	ASTM A370
118	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous)	Rockwell Superficial Hardness Test (HR30N)	IS 1586 (Part 1)
119	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous)	Vickers Hardness (HV 10)	ASTM E92
120	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous)	Vickers Hardness (HV 10)	IS 1501 (Part 1)
121	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous)	Vickers Hardness (HV 10)	ISO 6507 (Part 1)

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122	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous)	Vickers Hardness (HV 5)	ASTM E92
123	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous)	Vickers Hardness (HV 5)	IS 1501 (Part 1)
124	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous)	Vickers Hardness (HV 5)	ISO 6507 (Part 1)
125	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Non-Ferrous)	% Elongation	ASTM E8/E8M
126	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Non-Ferrous)	% Elongation	IS 1608 (Part 1)
127	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Non-Ferrous)	% Reduction Area	ASTM E8/E8M
128	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Non-Ferrous)	% Reduction Area	IS 1608 (Part 1)
129	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Non-Ferrous)	Bend Test	IS 1599
130	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Non-Ferrous)	Bend Test	ISO 7438
131	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Non-Ferrous)	Brinell Hardness HBW 2.5/62.5	ASTM E10
132	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Non-Ferrous)	Brinell Hardness HBW 2.5/62.5	IS 1500 (Part 1)
133	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Non-Ferrous)	Flaring/ Drift Expansion Test (upto 150 mm OD, Max. Applied Load 400 kN)	IS 2335
134	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Non-Ferrous)	Proof Stress	ASTM E8/E8M
135	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Non-Ferrous)	Proof Stress	IS 1608 (Part 1)

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136	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Non-Ferrous)	Rockwell Hardness (HRBW)	ASTM E18
137	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Non-Ferrous)	Rockwell Hardness (HRBW)	IS 1586 (Part 1)
138	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Non-Ferrous)	Ultimate Tensile Strength	ASTM E8/E8M
139	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Non-Ferrous)	Ultimate Tensile Strength	IS 1608 (Part 1)
140	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Non-Ferrous)	Yield Strength	ASTM E8/E8M
141	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Non-Ferrous)	Yield Strength	IS 1608 (Part 1)
142	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material - Tubes and Pipes (Ferrous)	Flattening Test (OD upto 150 mm)	ASTM A370
143	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous)	% Elongation	ASTM E8/E8M
144	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous)	% Elongation	IS 1608 (Part 1)
145	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous)	% Reduction Area	ASTM E8/E8M
146	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous)	% Reduction Area	IS 1608 (Part 1)
147	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous)	Proof Stress	ASTM E8/E8M
148	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous)	Proof Stress	IS 1608 (Part 1)
149	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous)	Ultimate Tensile Strength	ASTM E8/E8M

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150	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous)	Ultimate Tensile Strength	IS 1608 (Part 1)
151	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous)	Yield Strength	ASTM E8/E8M
152	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous)	Yield Strength	IS 1608 (Part 1)
153	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials - Steel Pipes, Tubes, Plates (Ferrous)	Bend Test	ASTM A370
154	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials - Steel Pipes, Tubes, Plates (Ferrous)	Bend Test	IS 1599
155	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials - Tubes and Pipes (Ferrous)	Flattening Test (OD upto 150 mm)	IS 2328
156	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials - Welds and Weldments (Ferrous)	Bend Test	ASME Section IX
157	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Tubes (Ferrous)	Flaring/ Drift Expansion Test (upto 150 mm OD, Max. Applied Load 400 kN)	ASTM A370
158	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Tubes (Ferrous)	Flaring/ Drift Expansion Test (upto 150 mm OD, Max. Applied Load 400 kN)	IS 2335
159	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Tubes (Non-Ferrous)	Flaring/ Drift Expansion Test (upto 150 mm OD, Max. Applied Load 400 kN)	ISO 8493
160	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Tubes (Non-Ferrous)	Flattening Test (OD upto 150 mm)	IS 2328
161	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Tubes (Non-Ferrous)	Flattening Test (OD upto 150 mm)	ISO 8492
162	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals - Sheets and Strips (Ferrous)	Erichsen Cupping (0.2 mm to 2 mm)	IS 10175
163	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steels, Stainless Steels and Related Alloys	% Elongation	ASTM A370

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164	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steels, Stainless Steels and Related Alloys	% Reduction Area	ASTM A370
165	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steels, Stainless Steels and Related Alloys	Proof Stress	ASTM A370
166	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steels, Stainless Steels and Related Alloys	Ultimate Tensile Strength	ASTM A370
167	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steels, Stainless Steels and Related Alloys	Yield Strength	ASTM A370
168	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welding, Brazing, Fusion and Related Ferrous Products	Fracture Test (Max. Load 400 kN)	ASME Section IX
169	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welding, Brazing, Fusion and Related Ferrous Products	Ultimate Tensile Strength	ASME Section IX
170	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welding, Brazing, Fusion and Related Non-Ferrous Products	Bend Test	ASME Section IX
171	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welding, Brazing, Fusion and Related Non-Ferrous Products	Fracture Test (Max. Load 400 kN)	ASME Section IX
172	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welding, Brazing, Fusion and Related Non-Ferrous Products	Ultimate Tensile Strength	ASME Section IX
173	MECHANICAL-METALLOGRAPHY TEST	Cast Iron/ Gray Iron/ Malleable Iron/ Ductile Iron/ SG Iron	Graphite Type Distribution Size (Nodularity & Nodule Count)	ASTM A247
174	MECHANICAL-METALLOGRAPHY TEST	Cast Iron/ Gray Iron/ Malleable Iron/ Ductile Iron/ SG Iron	Graphite Type Distribution Size (Nodularity & Nodule Count)	IS 7754
175	MECHANICAL-METALLOGRAPHY TEST	Cast Irons, Carbon and Low-alloy Steels, Aluminum Alloys, Titanium Alloys	Micro Structure Analysis	ASM Handbook Volume 9
176	MECHANICAL-METALLOGRAPHY TEST	Iron Castings	Micro Structure Analysis	ASTM A247
177	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Grain size by Microscopic Method (ASTM Grade 0.5 to 8 at 100X Magnification)	ASTM E112

SCOPE OF ACCREDITATION

Laboratory Name :	MATSCOPE MATERIAL TESTING LABS PRIVATE LIMITED, GAT NO. 352, CHAKAN MIDC PHASE II, BHAMBOLI, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-10790	**Page No**	12 of 12
Validity	07/07/2022 to 06/07/2024	**Last Amended on**	23/11/2022

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
178	MECHANICAL-METALLOGRAPHY TEST	Sheets, Plates, Weldments of Steel Products	Weld Joints, Welding Fusion, Welded Joint, Macro & Dimensional Measurement of Weld Joint (upto 40X Magnification)	IS 3600 (Part 9)
179	MECHANICAL-METALLOGRAPHY TEST	Steel Bars, Billets, Blooms, Forging of Carbon and Low Alloy Steel Castings, Sheets, Plates, Welds & Welded Test Specimen	Macro Etch Testing	ASTM E381
180	MECHANICAL-METALLOGRAPHY TEST	Steel Products	Case Depth by Microscopic Method	IS 6416
181	MECHANICAL-METALLOGRAPHY TEST	Steel Products	Case Depth by Microscopic Method	ISO 18203
182	MECHANICAL-METALLOGRAPHY TEST	Steel Products	Decarb Measurement by Microscopic Method	ASTM E1077
183	MECHANICAL-METALLOGRAPHY TEST	Steel Products	Decarb Measurement by Microscopic Method	IS 6396
184	MECHANICAL-METALLOGRAPHY TEST	Steel Products	Grain Size by Microscopic Method	IS 4748
185	MECHANICAL-METALLOGRAPHY TEST	Steel Products	Inclusion Rating	ASTM E45
186	MECHANICAL-METALLOGRAPHY TEST	Steel Products	Inclusion Rating	IS 4163
187	MECHANICAL-METALLOGRAPHY TEST	Steel Products	Macro Examination	IS 13015
188	MECHANICAL-METALLOGRAPHY TEST	Welding, Brazing, Fusion and Related Ferrous & Non-Ferrous Products	Weld Joints ,Welding Fusion, Welded Joint, Macro & Dimensional Measurement of Weld Joint (upto 40X Magnification)	ASME Section IX
189	MECHANICAL-METALLOGRAPHY TEST	Wrought Steel Products	Macro Etch Test	IS 11371
190	MECHANICAL-METALLOGRAPHY TEST	Wrought Steel Products	Macro Examination	IS 11371