National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MARUTI MATERIAL TESTING LABORATORY, S.NO.232/2, ATLAS METAL COMPOUND, PUNE-NASHIK HIGWAY, BHOSARI, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 09/03/2022 to 08/03/2024 **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	Copper & Copper Alloys	Silicon	BS EN 15079
2	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Antimony	BS EN 15079
3	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Bismuth	BS EN 15079
4	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Chromium	BS EN 15079
5	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Cobalt	BS EN 15079
6	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Iron	BS EN 15079
7	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Lead	BS EN 15079
8	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Manganese	BS EN 15079
9	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Nickel	BS EN 15079
10	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Phosphorous	BS EN 15079
11	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Sulphur	BS EN 15079
12	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Tin	BS EN 15079
13	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Zinc	BS EN 15079
14	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Vanadium	ASTM E 415
15	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	ALUMINIUM	ASTM E 415
16	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Aluminium	IS 8811
17	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	carbon	ASTM E 415
18	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Carbon	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
19	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Chromium	ASTM E 415
20	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Chromium	IS 8811
21	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Cobalt	ASTM E 415
22	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Cobalt	IS 8811
23	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Copper	ASTM E 415
24	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Copper	IS 8811
25	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Manganese	ASTM E 415
26	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Manganese	IS 8811
27	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Molybdenum	ASTM E 415
28	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Molybdenum	IS 8811
29	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nickel	ASTM E 415
30	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nickel	IS 8811
31	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Phosphorous	ASTM E 415
32	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Phosphorous	IS 8811
33	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Silicon	IS 8811
34	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Sulphur	ASTM E 415
35	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Sulphur	IS 8811
36	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Tin	ASTM E 415
37	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Tin	IS 8811

SCOPE OF ACCREDITATION

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38	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Vanadium	IS 8811
39	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	IS 9879
40	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	ASTM E 1086
41	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM E 1086
42	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS 9879
43	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E 1086
44	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 9879
45	CHEMICAL- METALS & ALLOYS	Stainless Steel	Cobalt	ASTM E 1086
46	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E 1086
47	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	IS 9879
48	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E 1086
49	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS 9879
50	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E 1086
51	CHEMICAL- METALS & ALLOYS	Stainless Steel	NIckel	ASTM E 1086
52	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 9879
53	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorous	ASTM E 1086
54	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	IS 9879
55	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E 1086
56	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	IS 9879

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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	Stainless Steel	Sulphur	IS 9879
58	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & alloys, Coated & Painted products	RESISTANCE TO CORROSION	ASTM B 117
59	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals Alloy and Product	Micro -vickers Hardness (HV 0.3)	ASTM E92
60	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals Alloy and Product	Micro -vickers Hardness(HV 0.1)	ASTM E 384
61	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals Alloy and Product	Micro -vickers Hardness(HV 0.5)	ASTM E 384
62	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals Alloys and product	% Elongation	ASTM A370
63	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals Alloys and product	% Elongation	ASTM E8/E8M
64	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals Alloys and product	% Elongation	IS 1608 (Part -1)
65	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals Alloys and product	% Elongation	ISO 6892-1
66	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals Alloys and product	0.2% Proof Stress (By Offset)	ASTM A370
67	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals Alloys and product	0.2% Proof Stress (By Offset)	ASTM E8/E8M
68	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals Alloys and product	0.2% Proof Stress (By Offset)	IS 1608 (Part-1)
69	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals Alloys and product	0.2% Proof Stress (By Offset)	ISO 6892-1
70	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non ferrous metals alloys and Product	BEND TEST	ASME SEC IX

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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
71	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non ferrous metals alloys and Product	BEND TEST	ASTM A 370
72	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non ferrous metals alloys and Product	BEND TEST	ASTM E0290
73	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non ferrous metals alloys and Product	BEND TEST	IS 1599
74	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non ferrous metals alloys and Product	FRACTURE TEST	ASME SEC-IX
75	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non ferrous metals alloys and Product	Micro - vickers Hardness (HV 0.1)	ASTM E92
76	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non ferrous metals Alloys and Product	Micro -vickers Hardness (HV 0.5)	ISO 6507-1
77	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals Alloys and product	Micro -vickers Hardness(HV 0.3)	ASTM E 384
78	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals Alloys and product	Micro -vickers Hardness(HV 1)	ASTM E 384
79	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals alloys and product	Micro-vickers Hardness (HV 0.1)	ISO 6507-1
80	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non ferrous metals alloys and product	Micro-vickers Hardness (HV 0.3)	ISO 6507-1
81	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non ferrous metals alloys and product	Micro-vickers Hardness (HV 1.0)	ASTM E92
82	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals Alloys and product	Ultimate Tensile Strength (UTS)	ISO 6892-1
83	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals Alloys and product	Yield Strength (YS)	ASTM 370
84	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals Alloys and product	Yield Strength (YS)	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
85	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals Alloys and product	Yield Strength (YS)	ISO 6892-1
86	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Rockwell Superficial Hardness Test (HR 15N)	ASTM E 18
87	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Rockwell Superficial Hardness Test (HR 15N)	IS 1586 Part 1
88	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Rockwell Superficial Hardness Test (HR 15N)	ISO 6508-1
89	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Rockwell Superficial Hardness Test (HR 30N)	ASTM A370
90	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Rockwell Superficial Hardness Test (HR 30N)	ASTM E18
91	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Rockwell Superficial Hardness Test (HR 30N)	IS 1586 Part 1
92	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Rockwell Superficial Hardness Test (HR 30N)	ISO 6508 - 1
93	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Rockwell Superficial Hardness Test (HR 45N)	ASTM A370
94	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Rockwell Superficial Hardness Test (HR 45N)	ASTM E18
95	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Rockwell Superficial Hardness Test (HR 45N)	IS 1586 Part 1
96	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Rockwell Superficial Hardness Test (HR 45N)	ISO 6508 - 1
97	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Rockwell Superficial Hardness Test (HR 15N)	ASTM A 370
98	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	% Reduction Area (R.A)	ASTM A370

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99	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	% Reduction Area (R.A)	ASTM E8/E8M
100	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	% Reduction Area (R.A)	IS 1608 (Part-1)
101	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	% Reduction Area (R.A)	ISO-6892-1
102	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Brinell Hardness (5/750Kgf)	ASTM A 370
103	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Brinell Hardness (5/750Kgf)	ASTM E 10:2018
104	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Brinell Hardness (5/750Kgf)	IS 1500(Part1)
105	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Brinell Hardness (5/750Kgf)	ISO 6506-1
106	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Brinell Hardness 10/3000 kgf	ASTM A370
107	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Brinell Hardness 10/3000 kgf	ASTM E10
108	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Brinell Hardness 10/3000 kgf	IS-1500(PART-1)
109	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Brinell Hardness 10/3000 kgf	ISO:6506-1
110	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Micro - Vickers Hardness (HV 0.5)	ASTM E92
111	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Micro - vickers Hardness (HV 1)	ISO 6507-1
112	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Micro Vickers Hardness (HV0.1)	IS 1501 (Part 1)

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113	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Micro Vickers Hardness (HV0.3)	IS 1501 (Part 1)
114	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Micro Vickers Hardness (HV0.5)	IS 1501 (Part 1)
115	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Micro Vickers Hardness (HV1.0)	IS 1501 (Part 1)
116	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Rockwell Hardness Test (HRBW)	ASTM E 18
117	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Rockwell Hardness Test (HRA)	ASTM A370
118	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Rockwell Hardness Test (HRA)	ASTM E 18
119	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Rockwell Hardness Test (HRA)	IS 1586 Part 1
120	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Rockwell Hardness Test (HRA)	ISO 6508 - 1
121	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Rockwell Hardness Test (HRBW)	ASTM A370
122	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Rockwell Hardness Test (HRBW)	IS 1586 Part 1
123	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Rockwell Hardness Test (HRBW)	ISO 6508-1
124	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Rockwell Hardness Test (HRC)	ASTM A370
125	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Rockwell Hardness Test (HRC)	ASTM E 18
126	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Rockwell Hardness Test (HRC)	IS 1586 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
127	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Rockwell Hardness Test (HRC)	ISO 6508 - 1
128	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Rockwell Superficial Hardness Test (HR 45T)	ASTM A370
129	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Rockwell Superficial Hardness Test (HR 15T)	ASTM A370
130	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Rockwell Superficial Hardness Test (HR 15T)	ASTM E18
131	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Rockwell Superficial Hardness Test (HR 15T)	IS 1586 Part 1
132	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Rockwell Superficial Hardness Test (HR 15T)	ISO 6508 - 1
133	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Rockwell Superficial Hardness Test (HR 30T)	ASTM A370
134	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Rockwell Superficial Hardness Test (HR 30T)	ASTM E18
135	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Rockwell Superficial Hardness Test (HR 30T)	IS 1586 Part 1
136	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Rockwell Superficial Hardness Test (HR 30T)	ISO 6508 - 1
137	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Rockwell Superficial Hardness Test (HR 45T)	ASTM E18
138	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Rockwell Superficial Hardness Test (HR 45T)	IS 1586 Part 1
139	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Rockwell Superficial Hardness Test (HR 45T)	ISO 6508-1
140	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Ultimate Tensile Strength (UTS)	ASTM A370

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141	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Ultimate Tensile Strength (UTS)	ASTM E8/E8M
142	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Ultimate Tensile Strength (UTS)	IS-1608 P1
143	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous metals, alloys & products	Yield Strength (YS)	ASTM E8/E8M
144	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET, PIPE, TUBE, BILLET, WELDED PRODUCTS, BAR	IMPACT TEST	ISO 148-1
145	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET, PIPE, TUBE, BILLET, WELDED PRODUCTS, BAR	IMPACT TEST upto -50 deg c	IS 1757
146	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Sheet,Plate,Pipe,Tube	Ultimate Tensile Strength (UTS)	ASME SEC-IX
147	MECHANICAL-METALLOGRAPHY TEST	Ferrous and Non ferrous metals alloys and Product	MACRO STRUCTURAL ANALYSIS (THROAT , LEG LENGTH , CONVEXITY , CONCAVITY , WELD PENETRATION)	ASME SEC - IX
148	MECHANICAL-METALLOGRAPHY TEST	Ferrous and Non ferrous metals alloys and Product	CASE DEPTH MEASUREMENT	IS 6416
149	MECHANICAL-METALLOGRAPHY TEST	Ferrous and Non ferrous metals alloys and Product	CASE DEPTH MEASUREMENT	ISO 18203
150	MECHANICAL-METALLOGRAPHY TEST	Ferrous and Non ferrous metals alloys and Product	DEPTH OF DECARBURIZATION	ASTM E 1077
151	MECHANICAL-METALLOGRAPHY TEST	Ferrous and Non ferrous metals alloys and Product	DEPTH OF DECARBURIZATION	IS 6396
152	MECHANICAL-METALLOGRAPHY TEST	Ferrous and Non ferrous metals alloys and Product	MACRO STRUCTURAL ANALYSIS	ASTM E 340
153	MECHANICAL-METALLOGRAPHY TEST	Ferrous and non ferrous metals Alloys and product	MICROSTRUCTURAL ANALYSIS. PHASE IDENTIFICATION AND COMMENTS ON QUALITY OF HEAT TREATMENT	ASM HANDBOOK VOL.9
154	MECHANICAL-METALLOGRAPHY TEST	Ferrous and Non ferrous metals alloys and Product	NODULARITY AND NODLE COUNT, FLAKE SIZE AND TYPE	ASTM A 247
155	MECHANICAL-METALLOGRAPHY TEST	Ferrous and Non ferrous metals alloys and Product	NODULARITY AND NODLE COUNT, FLAKE SIZE AND TYPE	IS 7754

SCOPE OF ACCREDITATION

Laboratory Name : MARUTI MATERIAL TESTING LABORATORY, S.NO.232/2, ATLAS METAL COMPOUND, PUNE-NASHIK HIGWAY, BHOSARI, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 09/03/2022 to 08/03/2024 **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
156	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	MACRO STRUCTURAL ANALYSIS	BS EN ISO 17639
157	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	MACRO STRUCTURAL ANALYSIS (LEG LENGTH , CONVEXITY , CONCAVITY , WELD PENETRATION)	ISO 5817
158	MECHANICAL-METALLOGRAPHY TEST	SHEET SAMPLE , PLATE SAMPLE , FORGED SAMPLES, HEAT TREATED SAMPLE , CAST PRODUCTS .	MICROSTRUCTURAL ANALYSIS.	ASM HANDBOOK VOL.9
159	MECHANICAL-METALLOGRAPHY TEST	SHEET SAMPLE , PLATE SAMPLE , FORGED SAMPLES, HEAT TREATED SAMPLE , CAST PRODUCTS .	MICROSTRUCTURAL ANALYSIS.	ASTM E 407
160	MECHANICAL-METALLOGRAPHY TEST	SHEET SAMPLE , PLATE SAMPLE , FORGED SAMPLES, HEAT TREATED SAMPLE , CAST PRODUCTS.	NON-METALLIC INCLUSION RATING	ASTM E 45
161	MECHANICAL-METALLOGRAPHY TEST	SHEET SAMPLE , PLATE SAMPLE , FORGED SAMPLES, HEAT TREATED SAMPLE , CAST PRODUCTS.	Determination of Content of Nonmetallic Inclusions - Micrographic Method Using Standard Diagrams	IS 4163
162	MECHANICAL-METALLOGRAPHY TEST	SHEET SAMPLE , PLATE SAMPLE , FORGED SAMPLES, NUT , BOLT , HEAT TREATED SAMPLE , CAST PRODUCTS .	GRAIN SIZE MEASUREMENT	IS 4748
163	MECHANICAL-METALLOGRAPHY TEST	SHEET SAMPLE , PLATE SAMPLE , FORGED SAMPLES, NUT , BOLT , HEAT TREATED SAMPLE , CAST PRODUCTS.	GRAIN SIZE MEASUREMENT	ASTM E 112