National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ACCURATE METAWELD SERVICES, 5, VISHAL INDUSTRIAL ESTATE, VILLAGE ROAD, NAHUR, BHANDUP(WEST), MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 28/08/2022 to 27/08/2024 **Last Amended on** 16/05/2023

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
LOCATION 1-5, VISHAL INDUSTRIAL ESTATE, VILLAGE ROAD, NAHUR, BHANDUP(WEST), MUMBAI, MAHARASHTRA, INDIA Permanent Facility				
1	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Aluminium	AMS/QS/19/01(Issue no/Date:01/ 15.03.2019 Rev No/Rev Date : 01/12.03.2022)
2	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Aluminium	ASTM E 415
3	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Aluminium	IS 8811
4	CHEMICAL- METALS & ALLOYS	CARBON AND LOW ALLOY STEEL	ARSENIC	ASTM E 415
5	CHEMICAL- METALS & ALLOYS	CARBON AND LOW ALLOY STEEL	ARSENIC	IS 8811
6	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Carbon	ASTM E 415
7	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Carbon	IS 8811
8	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Chromium	ASTM E 415
9	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Chromium	IS 8811
10	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Cobalt	AMS/QS/19/01(Issue no/Date:01/ 15.03.2019 Rev No/Rev Date : 01/12.03.2022)
11	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Cobalt	ASTM E 415
12	CHEMICAL- METALS & ALLOYS	Carbon and Low alloy Steel	Cobalt	IS 8811
13	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Copper	ASTM E 415
14	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Copper	IS 8811
15	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Manganese	ASTM E 415
16	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Manganese	IS 8811
17	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Molybdenum	ASTM E 415

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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
18	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Molybdenum	IS 8811
19	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Nickel	ASTM E 415
20	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Nickel	IS 8811
21	CHEMICAL- METALS & ALLOYS	CARBON AND LOW ALLOY STEEL	NIOBIUM	ASTM E 415
22	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Niobium	IS 8811
23	CHEMICAL- METALS & ALLOYS	CARBON AND LOW ALLOY STEEL	NITROGEN	ASTM E 415
24	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Phosphorous	ASTM E 415
25	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Phosphorous	IS 8811
26	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Silicon	ASTM E 415
27	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Silicon	IS 8811
28	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Sulphur	ASTM E 415
29	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Sulphur	IS 8811
30	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Tin	ASTM E 415
31	CHEMICAL- METALS & ALLOYS	CARBON AND LOW ALLOY STEEL	TIN	IS 8811
32	CHEMICAL- METALS & ALLOYS	CARBON AND LOW ALLOY STEEL	TITANIUM	ASTM E 415
33	CHEMICAL- METALS & ALLOYS	CARBON AND LOW ALLOY STEEL	TITANIUM	IS 8811
34	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Vanadium	ASTM E 415
35	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Vanadium	IS 8811
36	CHEMICAL- METALS & ALLOYS	COPPER-ZINC ALLOYS	ALUMINIUM	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
37	CHEMICAL- METALS & ALLOYS	COPPER-ZINC ALLOYS	ANTIMONY	BS EN 15079
38	CHEMICAL- METALS & ALLOYS	COPPER-ZINC ALLOYS	ARSENIC	BS EN 15079
39	CHEMICAL- METALS & ALLOYS	COPPER-ZINC ALLOYS	BISMUTH	BS 15079
40	CHEMICAL- METALS & ALLOYS	COPPER-ZINC ALLOYS	IRON	BS EN 15079
41	CHEMICAL- METALS & ALLOYS	COPPER-ZINC ALLOYS	LEAD	BS EN 15079
42	CHEMICAL- METALS & ALLOYS	COPPER-ZINC ALLOYS	MANGANESE	BS EN 15079
43	CHEMICAL- METALS & ALLOYS	COPPER-ZINC ALLOYS	NICKEL	BS EN 15079
44	CHEMICAL- METALS & ALLOYS	COPPER-ZINC ALLOYS	PHOSPHOROUS	BS EN 15079
45	CHEMICAL- METALS & ALLOYS	COPPER-ZINC ALLOYS	SILICON	BS EN 15079
46	CHEMICAL- METALS & ALLOYS	COPPER-ZINC ALLOYS	TIN (Sn)	BS EN 15079
47	CHEMICAL- METALS & ALLOYS	COPPER-ZINC ALLOYS	ZINC	BS EN 15079
48	CHEMICAL- METALS & ALLOYS	NICKEL ALLOYS	ALUMINIUM	ASTM E 3047
49	CHEMICAL- METALS & ALLOYS	NICKEL ALLOYS	CARBON	ASTM E 3047
50	CHEMICAL- METALS & ALLOYS	NICKEL ALLOYS	CHROMIUM	ASTM E 3047
51	CHEMICAL- METALS & ALLOYS	NICKEL ALLOYS	COBALT	ASTM E 3047
52	CHEMICAL- METALS & ALLOYS	NICKEL ALLOYS	COPPER	ASTM E 3047
53	CHEMICAL- METALS & ALLOYS	NICKEL ALLOYS	IRON	ASTM E 3047
54	CHEMICAL- METALS & ALLOYS	NICKEL ALLOYS	MAGNESIUM	ASTM E 3047
55	CHEMICAL- METALS & ALLOYS	NICKEL ALLOYS	MANGANESE	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
56	CHEMICAL- METALS & ALLOYS	NICKEL ALLOYS	MOLYBDENUM	ASTM E 3047
57	CHEMICAL- METALS & ALLOYS	NICKEL ALLOYS	NIOBIUM	ASTM E 3047
58	CHEMICAL- METALS & ALLOYS	NICKEL ALLOYS	PHOSPHOROUS	ASTM E 3047
59	CHEMICAL- METALS & ALLOYS	NICKEL ALLOYS	SILICON	ASTM E 3047
60	CHEMICAL- METALS & ALLOYS	NICKEL ALLOYS	SULPHUR	ASTM E 3047
61	CHEMICAL- METALS & ALLOYS	NICKEL ALLOYS	TITANIUM	ASTM E 3047
62	CHEMICAL- METALS & ALLOYS	NICKEL ALLOYS	VANADIUM	ASTM E 3047
63	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	ALUMINIUM	AMS/QS/19/02(Issue no/Date:01/ 15.03.2019 Rev No/Rev Date : 01/12.03.2022)
64	CHEMICAL- METALS & ALLOYS	Stainless steel	Carbon	ASTM E 1086
65	CHEMICAL- METALS & ALLOYS	Stainless steel	Carbon	IS 9879
66	CHEMICAL- METALS & ALLOYS	Stainless steel	Chromium	AMS/QS/19/02(Issue no/Date:01/ 15.03.2019 Rev No/Rev Date : 01/12.03.2022)
67	CHEMICAL- METALS & ALLOYS	Stainless steel	Chromium	ASTM E 1086
68	CHEMICAL- METALS & ALLOYS	Stainless steel	Chromium	IS 9879
69	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	COBALT	AMS/QS/19/02(Issue no/Date:01/ 15.03.2019 Rev No/Rev Date : 01/12.03.2022)
70	CHEMICAL- METALS & ALLOYS	Stainless steel	Copper	AMS/QS/19/02(Issue no/Date:01/ 15.03.2019 Rev No/Rev Date : 01/12.03.2022)
71	CHEMICAL- METALS & ALLOYS	Stainless steel	Copper	ASTM E 1086
72	CHEMICAL- METALS & ALLOYS	Stainless steel	Copper	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
73	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	MANGANESE	AMS/QS/19/02(Issue no/Date:01/ 15.03.2019 Rev No/Rev Date : 01/12.03.2022)
74	CHEMICAL- METALS & ALLOYS	Stainless steel	Manganese	ASTM E 1086
75	CHEMICAL- METALS & ALLOYS	Stainless steel	Manganese	IS 9879
76	CHEMICAL- METALS & ALLOYS	Stainless steel	Molybdenum	AMS/QS/19/02(Issue no/Date:01/ 15.03.2019 Rev No/Rev Date : 01/12.03.2022)
77	CHEMICAL- METALS & ALLOYS	Stainless steel	Molybdenum	ASTM E 1086
78	CHEMICAL- METALS & ALLOYS	Stainless steel	Molybdenum	IS 9879
79	CHEMICAL- METALS & ALLOYS	Stainless steel	Nickel	AMS/QS/19/02(Issue no/Date:01/ 15.03.2019 Rev No/Rev Date : 01/12.03.2022)
80	CHEMICAL- METALS & ALLOYS	Stainless steel	Nickel	ASTM E 1086
81	CHEMICAL- METALS & ALLOYS	Stainless steel	Nickel	IS 9879
82	CHEMICAL- METALS & ALLOYS	Stainless steel	Niobium	AMS/QS/19/02(Issue no/Date:01/ 15.03.2019 Rev No/Rev Date : 01/12.03.2022)
83	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	NITROGEN	IS 228 PART 23
84	CHEMICAL- METALS & ALLOYS	Stainless steel	Phosphorous	ASTM E 1086
85	CHEMICAL- METALS & ALLOYS	Stainless steel	Phosphorous	IS 9879
86	CHEMICAL- METALS & ALLOYS	Stainless steel	Silicon	ASTM E 1086
87	CHEMICAL- METALS & ALLOYS	Stainless steel	Silicon	IS 9879
88	CHEMICAL- METALS & ALLOYS	Stainless steel	Sulphur	ASTM E1086
89	CHEMICAL- METALS & ALLOYS	Stainless steel	Sulphur	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
90	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	TITANIUM	AMS/QS/19/02(Issue no/Date:01/ 15.03.2019 Rev No/Rev Date : 01/12.03.2022)
91	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	TUNGSTEN	AMS/QS/19/02(Issue no/Date:01/ 15.03.2019 Rev No/Rev Date : 01/12.03.2022)
92	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	VANADIUM	AMS/QS/19/02(Issue no/Date:01/ 15.03.2019 Rev No/Rev Date : 01/12.03.2022)
93	MECHANICAL-MECHANICAL PROPERTIES OF METALS	CARBON & ALLOY FASTNERS (NUTS)	PROOF LOAD	IS 1367 -PART 6
94	MECHANICAL-MECHANICAL PROPERTIES OF METALS	CARBON & ALLOY FASTNERS (NUTS)	PROOF LOAD	ISO 898 - PART 2
95	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper and Copper-Alloy Pipe and Tubing	FLARING TEST	ASTM B 153
96	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Covered electrodes for MMAW of C and C-Mn steel	Charpy Impact Test at (RT to -196 deg C) & (RT to +100 deg C)	ASTM A 370
97	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS ALLOYS- FASTENERS (NUTS)	PROOF LOAD	ASTM A 962
98	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS MATERIALS & ALLOYS	FLATTENING TEST	ASTM A 370
99	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials , alloys & products	Bend Test	ASTM A 370
100	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials , alloys & products	Brinell Hardness	ASTM A 370
101	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials , alloys & products	Charpy Impact Test at (RT to -196 deg C) & (RT to +100 deg C)	ASTM A 370
102	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials , alloys & products	FLARING TEST	ASTM A 370
103	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials , alloys & products	Rockwell Hardness	ASTM A 370

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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
104	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials , alloys & products	Rockwell Hardness	ASTM A 370
105	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials , alloys & products	Tensile Test -Tensile Strength	ASTM A 370
106	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	% Elongation	ASTM A 370
107	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	% Reduction Area	ASTM A 370
108	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	0.2% Proof Stress	ASTM A 370
109	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS MATERIALS- FASTENERS (NUTS)	PROOF LOAD	ASTM A 370
110	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HIGH STRENGTH DEFORMED STEEL BARS AND WIRES	% ELONGATION	IS 1786
111	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HIGH STRENGTH DEFORMED STEEL BARS AND WIRES	0.2% PROOF STRESS	IS 1786
112	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HIGH STRENGTH DEFORMED STEEL BARS AND WIRES	TENSILE- TENSILE STRENGTH	IS 1786
113	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METALLIC MATERIAL	BRINELL HARDNESS	ISO 6506-1
114	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METALLIC MATERIALS	% ELONGATION	BS EN 895
115	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METALLIC MATERIALS	% ELONGATION	BS EN ISO 4136
116	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Elongation	EN 10002-1
117	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METALLIC MATERIALS	% ELONGATION	ISO 898-1

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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
118	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METALLIC MATERIALS	% REDUCTION IN AREA	BS EN 4136
119	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METALLIC MATERIALS	% REDUCTION IN AREA	BS EN 895
120	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METALLIC MATERIALS	% REDUCTION IN AREA	ISO 898-1
121	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METALLIC MATERIALS	0.2% PROOF STRESS	BS EN 895
122	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METALLIC MATERIALS	0.2% PROOF STRESS	BS EN ISO 4136
123	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.2% Proof Stress	EN 10002-1
124	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METALLIC MATERIALS	0.2% PROOF STRESS	ISO 898-1
125	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METALLIC MATERIALS	BEND TEST	ASTM E 290
126	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METALLIC MATERIALS	BRINELL HARDNESS	EN 10003-1
127	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METALLIC MATERIALS	Charpy Impact Test at (RT to -196 deg C) & (RT to +100 deg C)	BS EN 10045-1
128	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METALLIC MATERIALS	Charpy Impact Test at (RT to -196 deg C) & (RT to +100 deg C)	BS EN ISO 148-1
129	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METALLIC MATERIALS	FLARING TEST	IS 2335
130	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Reduction Area	EN 10002-1
131	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METALLIC MATERIALS	ROCKWELL HARDNESS HRC	ISO 6508 - 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
132	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METALLIC MATERIALS	ROCKWELL HRADNESS HRC	ASTM E 18
133	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METALLIC MATERIALS	TENSILE TEST- TENSILE STRENGTH	BS EN 895
134	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METALLIC MATERIALS	TENSILE TEST- TENSILE STRENGTH	BS EN ISO 4136
135	MECHANICAL-MECHANICAL PROPERTIES OF METALS	metallic materials	TENSILE TEST- TENSILE STRENGTH	ISO 6892 PART 1
136	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METALLIC MATERIALS	TENSILE TEST- TENSILE STRENGTH	ISO 898-1
137	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	TENSILE TEST-TENSILE STRENGTH	EN 10002-1
138	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METALLIC MATERIALS	VICKER'S HARDNESS HV10	ASTM E92
139	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METALLIC MATERIALS	VICKER'S HARDNESS HV10	BS EN ISO 6507-1
140	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METALLIC MATERIALS	VICKER'S HARDNESS HV10	IS 1501-1
141	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METALLIC MATERIALS	VICKER'S HARDNESS HV30	ASTM E92
142	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METALLIC MATERIALS	VICKER'S HARDNESS HV30	BS EN ISO 6507-1
143	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METALLIC MATERIALS	VICKER'S HARDNESS HV30	IS 1501-1
144	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METALLIC MATERIALS	VICKER'S HARDNESS HV5	ASTM E 92
145	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METALLIC MATERIALS	VICKER'S HARDNESS HV5	BS EN ISO 6507-1

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146	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METALLIC MATERIALS	VICKER'S HARDNESS HV5	IS 1501-1
147	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials , alloys and Products	Charpy Impact Test at (RT to -196 deg C) & (RT to +100 deg C)	IS 1757-Part1
148	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials , alloys and Products	FLATTENING TEST	IS 2328
149	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials , alloys and Products	Tensile Test Tensile strength	IS 1608-Part 1
150	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials and alloy and products	% Elongation	ASTM E8
151	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METALLIC MATERIALS AND ALLOY PRODUCTS	TENSILE STRENGTH	ASTM E8
152	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials, alloys and products	% Elongation	IS 1608-Part 1
153	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METALLIC MATERIALS, ALLOYS AND PRODUCTS	% REDUCTION IN AREA	ASTM E 8
154	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials, alloys and products	%Reduction in Area	IS 1608-Part 1
155	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METALLIC MATERIALS, ALLOYS AND PRODUCTS	0.2% PROOF STRESS	ASTM E 8
156	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials, alloys and products	0.2% proof stress	IS 1608-Part 1
157	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials, alloys and products	Bend Test	IS 1599
158	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials, alloys and products	Brinell Hardness	ASTM E 10
159	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials, alloys and products	Brinell Hardness	IS 1500 (Part 1)

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160	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials, alloys and products	Charpy Impact Test at (RT to -196 deg C) & (RT to +100 deg C)	ASTM E 23
161	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials, alloys and products	Rockwell Hardness	ASTM E18
162	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials, alloys and products	Rockwell Hardness	IS 1586 (Part 1)
163	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METALLIC MATERIALS- ALLOYS AND PRODUCTS	% ELONGATION	ISO 6892 PART 1
164	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METALLIC MATERIALS- ALLOYS AND PRODUCTS	% REDUCTION IN AREA	ISO 6892 PART -1
165	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METALLIC MATERIALS- ALLOYS AND PRODUCTS	0.2% PROOF STRESS	ISO 6892 PART-1
166	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METALS & ALLOYS, COVERED ELECTRODES FOR MMAW OF CARBON & C-Mn STEEL WELDING RODS ELECTRODES & FILLER METALS	Charpy Impact Test at (RT to -196 deg C) & (RT to +100 deg C)	ASME SEC VIII DIV 1
167	MECHANICAL-MECHANICAL PROPERTIES OF METALS	STAINLESS STEEL- FASTENERS (NUTS)	PROOF LOAD	IS 1367 -PART 14
168	MECHANICAL-MECHANICAL PROPERTIES OF METALS	STAINLESS STEEL- FASTENERS (NUTS)	PROOF LOAD	ISO 898 PART 6
169	MECHANICAL-MECHANICAL PROPERTIES OF METALS	WELD SPECIMENS	DIFFUSIBLE HYDROGEN	IS 11802
170	MECHANICAL-MECHANICAL PROPERTIES OF METALS	WELD SPECIMENS	DIFFUSIBLE HYDROGEN	ISO 3690
171	MECHANICAL-MECHANICAL PROPERTIES OF METALS	WELD SPECIMENS	VICKER'S HARDNESS HV30	BS EN ISO 9015-1
172	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welding Rods electrodes & filler metals of metallic materials	% Reduction Area	IS 1608-Part 1
173	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welding Rods electrodes & filler metals of metallic materials	%Elongation	IS 1608-Part 1

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
174	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welding Rods electrodes & filler metals of metallic materials	0.2 % Proof stress	IS 1608 -Part 1
175	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welding Rods electrodes & filler metals of metallic materials	Charpy Impact Test at (RT to -196 deg C) & (RT to +100 deg C)	ASTM E 23
176	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welding Rods electrodes & filler metals of metallic materials	Charpy Impact Test at (RT to -196 deg C) & (RT to +100 deg C)	IS 1757-Part 1
177	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welding Rods electrodes & filler metals of metallic materials	Tensile Test Tensile Strength	IS 1608-Part 1
178	MECHANICAL-MECHANICAL PROPERTIES OF METALS	WELDS & WELDED TEST SPECIMENS	TENSILE TEST- TENSILE STRENGTH	ASME SEC IX
179	MECHANICAL-MECHANICAL PROPERTIES OF METALS	WELDS AND WELDED TEST SPECIMENS	% ELONGATION	ASME SEC IX
180	MECHANICAL-MECHANICAL PROPERTIES OF METALS	WELDS AND WELDED TEST SPECIMENS	% REDUCTION IN AREA	ASME SEC IX
181	MECHANICAL-MECHANICAL PROPERTIES OF METALS	WELDS AND WELDED TEST SPECIMENS	0.2% PROOF STRESS	ASME SEC IX
182	MECHANICAL-MECHANICAL PROPERTIES OF METALS	WELDS IN METALLIC MATERIALS	BEND TEST	ASME SEC IX
183	MECHANICAL-MECHANICAL PROPERTIES OF METALS	WELDS IN METALLIC MATERIALS	BEND TEST	ASTM E 190
184	MECHANICAL-MECHANICAL PROPERTIES OF METALS	WELDS IN METALLIC MATERIALS	BEND TEST	BS EN 910
185	MECHANICAL-MECHANICAL PROPERTIES OF METALS	WELDS IN METALLIC MATERIALS	BEND TEST	ISO 5173
186	MECHANICAL-MECHANICAL PROPERTIES OF METALS	WELDS IN METALLIC MATERIALS	Charpy Impact Test at (RT to -196 deg C) & (RT to +100 deg C)	BS EN ISO 875
187	MECHANICAL-MECHANICAL PROPERTIES OF METALS	WELDS IN METALLIC MATERIALS	Charpy Impact Test at (RT to -196 deg C) & (RT to +100 deg C)	BS EN ISO 9016

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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
188	MECHANICAL-MECHANICAL PROPERTIES OF METALS	WELDS IN METALLIC MATERIALS	VICKER'S HARDNESS HV10	BS EN ISO 9015-1
189	MECHANICAL-MECHANICAL PROPERTIES OF METALS	WELDS IN METALLIC MATERIALS	VICKER'S HARDNESS HV5	BS EN ISO 9015-1
190	MECHANICAL-METALLOGRAPHY TEST	AUSTENITIC STAINLESS STEEL	IGC PRACTICE A	ASTM A 262
191	MECHANICAL-METALLOGRAPHY TEST	FERROUS & NON FERROUS MATERIALS	COATING THICKNESS BY MICROSCOPIC METHOD	ASTM B487
192	MECHANICAL-METALLOGRAPHY TEST	FERROUS MATERIALS, ALLOYS & PRODUCTS	CASE DEPTH MEASUREMENT (BY MICROSCOPIC METHOD)	IS 6416
193	MECHANICAL-METALLOGRAPHY TEST	FERROUS MATERIALS, ALLOYS & PRODUCTS	DEPTH OF DECARBURISATION	ASTM E1077
194	MECHANICAL-METALLOGRAPHY TEST	FERROUS MATERIALS, ALLOYS & PRODUCTS	DEPTH OF DECARBURISATION	IS 6396
195	MECHANICAL-METALLOGRAPHY TEST	FERROUS MATERIALS, ALLOYS & PRODUCTS	MICRO STRUCTURE ANALYSIS	IS 7754
196	MECHANICAL-METALLOGRAPHY TEST	FERROUS MATERIALS, ALLOYS & PRODUCTS	MICROSTRUCTURE ANALYSIS	IS 1865
197	MECHANICAL-METALLOGRAPHY TEST	FERROUS MATERIALS, ALLOYS & PRODUCTS	MICROSTRUCTURE ANALYSIS	SEP 1520
198	MECHANICAL-METALLOGRAPHY TEST	FERROUS MATERIALS, ALLOYS & PRODUCTS	NON METALLIC INCLUSION RATING BY COMPARISON	ASTM E45 METHOD A
199	MECHANICAL-METALLOGRAPHY TEST	METALLIC MATERIAL	Volume Fraction	ASTM E562
200	MECHANICAL-METALLOGRAPHY TEST	METALLIC MATERIALS	COATING THICKNESS BY MICROSCOPIC MATERIALS	IS 3203
201	MECHANICAL-METALLOGRAPHY TEST	METALLIC MATERIALS	Detecting Detrimental Intermetallic Phase in Duplex & Stainless steel	ASTM A923 METHOD A
202	MECHANICAL-METALLOGRAPHY TEST	Metallic materials , alloys and Products	Average grain size	ASTM E112
203	MECHANICAL-METALLOGRAPHY TEST	Metallic materials , alloys and Products	Macro structure Analysis	ASTM E381
204	MECHANICAL-METALLOGRAPHY TEST	Metallic materials , alloys and Products except Case Carburizing, Hardened and Tempered ,Induction Hardened condition	Microstructure Analysis	ASM Hand Book Vol - 9 -2004/ASTM E3

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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
205	MECHANICAL-METALLOGRAPHY TEST	Metallic materials, alloys and products	Average Grain size	IS 4748
206	MECHANICAL-METALLOGRAPHY TEST	Welding Rods electrodes & filler metals of metallic materials	Average grain size	ASTM E112
207	MECHANICAL-METALLOGRAPHY TEST	Welding Rods electrodes & filler metals of metallic materials	Average grain size	IS 4748
208	MECHANICAL-METALLOGRAPHY TEST	Welding Rods electrodes & filler metals of metallic materials	Macro structure Analysis	ASME Sec II C -5.1-15/5.4-13/5.5 -14
209	MECHANICAL-METALLOGRAPHY TEST	Welding Rods electrodes & filler metals of metallic materials	Micro -structure analysis	ASM HAND BOOK VOLUME 9

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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
LOCATION 2 - 6, VISHAL INDUSTRIAL ESTATE, VILLAGE ROAD, NAHUR, BHANDUP (WEST), MUMBAI, MAHARASHTRA, INDIA Permanent Facility				
1	MECHANICAL-METALLOGRAPHY TEST	AUSTENITIC STAINLESS STEEL	IGC PRACTICE E	ASTM A 262