



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



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

Certificate Number TC-6035 Page No. : 1 / 9

Validity 28/08/2019 to 27/08/2021 Last Amended on -

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
Permanent Facility				
1	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Aluminium	IS 8811: 2012
2	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Aluminium	ASTM E 415: 2017
3	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Aluminium	AMS/QS/19/01: 2019
4	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Carbon	IS 8811: 2012
5	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Carbon	ASTM E 415 : 2017
6	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Chromium	IS 8811: 2012
7	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Chromium	ASTM E 415: 2017
8	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Cobalt	IS 8811: 2012
9	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Cobalt	ASTM E 415: 2017
10	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Cobalt	AMS/QS/19/01: 2019
11	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Copper	ASTM E 415: 2017
12	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Copper	IS 8811: 2012
13	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Manganese	IS 8811: 2012
14	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Manganese	ASTM E 415: 2017

This is annexure to 'Certificate of Accreditation' and does not require any signature.



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
15	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Molybdenum	IS 8811: 2012
16	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Molybdenum	ASTM E 415: 2017
17	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Nickel	ASTM E 415: 2017
18	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Nickel	IS 8811: 2012
19	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Phosphorous	ASTM E 415: 2017
20	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Phosphorous	IS 8811: 2012
21	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Silicon	ASTM E 415: 2017
22	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Silicon	IS 8811: 2012
23	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Sulphur	ASTM E 415: 2017
24	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Sulphur	IS 8811: 2012
25	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Vanadium	IS 8811: 2012
26	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Vanadium	ASTM E 415: 2017
27	CHEMICAL- METALS & ALLOYS	Stainless steel	Carbon	ASTM E 1086: 2014
28	CHEMICAL- METALS & ALLOYS	Stainless steel	Carbon	IS 9879: 2015



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
29	CHEMICAL- METALS & ALLOYS	Stainless steel	Chromium	AMS/QS/19/02: 2019
30	CHEMICAL- METALS & ALLOYS	Stainless steel	Chromium	ASTM E 1086: 2014
31	CHEMICAL- METALS & ALLOYS	Stainless steel	Chromium	IS 9879: 2015
32	CHEMICAL- METALS & ALLOYS	Stainless steel	Copper	ASTM E 1086: 2014
33	CHEMICAL- METALS & ALLOYS	Stainless steel	Copper	IS 9879: 2015
34	CHEMICAL- METALS & ALLOYS	Stainless steel	Copper	AMS/QS/19/02: 2019
35	CHEMICAL- METALS & ALLOYS	Stainless steel	Manganese	ASTM E 1086: 2014
36	CHEMICAL- METALS & ALLOYS	Stainless steel	Manganese	IS 9879: 2015
37	CHEMICAL- METALS & ALLOYS	Stainless steel	Molybdenum	AMS/QS/19/02: 2019
38	CHEMICAL- METALS & ALLOYS	Stainless steel	Molybdenum	IS 9879: 2015
39	CHEMICAL- METALS & ALLOYS	Stainless steel	Molybdenum	ASTM E 1086: 2014
40	CHEMICAL- METALS & ALLOYS	Stainless steel	Nickel	IS 9879: 2015
41	CHEMICAL- METALS & ALLOYS	Stainless steel	Nickel	AMS/QS/19/02: 2019
42	CHEMICAL- METALS & ALLOYS	Stainless steel	Nickel	ASTM E 1086 : 2014



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
43	CHEMICAL- METALS & ALLOYS	Stainless steel	Niobium	AMS/QS/19/02: 2019
44	CHEMICAL- METALS & ALLOYS	Stainless steel	Phosphorous	IS 9879: 2015
45	CHEMICAL- METALS & ALLOYS	Stainless steel	Phosphorous	ASTM E 1086: 2014
46	CHEMICAL- METALS & ALLOYS	Stainless steel	Silicon	ASTM E 1086: 2014
47	CHEMICAL- METALS & ALLOYS	Stainless steel	Silicon	IS 9879: 2015
48	CHEMICAL- METALS & ALLOYS	Stainless steel	Sulphur	ASTM E1086: 2014
49	CHEMICAL- METALS & ALLOYS	Stainless steel	Sulphur	IS 9879: 2015
50	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Covered electrodes for MMAW of C and C-Mn steel	% Reduction in Area	IS 814: 2011
51	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Covered electrodes for MMAW of C and C-Mn steel	%Elongation	IS 814 : 2011
52	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Covered electrodes for MMAW of C and C-Mn steel	0.2% Proof Stress	IS 814 : 2011
53	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Covered electrodes for MMAW of C and C-Mn steel	Bend Test (Butt Weld)	IS 814: 2011



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
54	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Covered electrodes for MMAW of C and C-Mn steel	Rockwell Hardness	IS 814 : 2011
55	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Covered electrodes for MMAW of C and C-Mn steel	Tensile Test Tensile strength	IS 814 : 2011
56	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Covered electrodes for MMAW of C and C-Mn steel	V-notch Charpy Impact Test at RT to -110 and -196 deg C	ASTM A 370: 2018
57	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials , alloys & products	Bend Test	ASTM A 370: 2018
58	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials , alloys & products	Brinell Hardness	ASTM A 370: 2018
59	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials , alloys & products	Rockwell Hardness	ASTM A 370: 2018
60	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials , alloys & products	Rockwell Hardness	ASTM A 370: 2018
61	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials , alloys & products	Tensile Test -Tensile Strength	ASTM A 370: 2018



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
62	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials , alloys & products	V Notch -Charpy Impact Test at RT to -110 and -196 deg C	ASTM A 370: 2018
63	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	% Elongation	ASTM A 370: 2018
64	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	% Reduction Area	ASTM A 370: 2018
65	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	0.2% Proof Stress	ASTM A 370: 2018
66	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials , alloys and Products	Tensile TestTensile strength	IS 1608-Part 1: 2018
67	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials , alloys and Products	V Notch -Charpy Impact Test at RT to -110 and -196 deg C	IS 1757-Part1: 2014
68	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials, alloys and products	% Elongation	IS 1608-Part 1: 2018
69	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials, alloys and products	%Reduction in Area	IS 1608-Part 1: 2018



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
70	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials, alloys and products	0.2% proof stress	IS 1608-Part 1: 2018
71	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials, alloys and products	Bend Test	IS 1599: 2012
72	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials, alloys and products	Brinell Hardness	IS 1500 (Part 1): 2019
73	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials, alloys and products	Brinell Hardness	ASTM E 10: 2018
74	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials, alloys and products	Rockwell Hardness	ASTM E18 : 2019
75	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials, alloys and products	Rockwell Hardness	IS 1586 (Part 1): 2018
76	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials, alloys and products	V Notch -Charpy Impact Test at RT to -196 deg C	ASTM E23: 2018
77	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials, alloys and products	V-notch Charpy Impact Test at RT to 110 and -196 deg C	ASTM E 23: 2018



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
78	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welding Rods electrodes & filler metals of metallic materials	% Reduction Area	IS 1608-Part 1: 2018
79	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welding Rods electrodes & filler metals of metallic materials	%Elongation	IS 1608-Part 1: 2018
80	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welding Rods electrodes & filler metals of metallic materials	0.2 % Proof stress	IS 1608 -Part 1: 2018
81	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welding Rods electrodes & filler metals of metallic materials	Rockwell Hardness	IS 1586 (Part I): 2018
82	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welding Rods electrodes & filler metals of metallic materials	Tensile Test Tensile Strength	IS 1608-Part 1: 2018
83	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welding Rods electrodes & filler metals of metallic materials	V Notch -Charpy Impact Test at (RT to -110 and -196 deg C)	ASTM E 23: 2018
84	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welding Rods electrodes & filler metals of metallic materials	V Notch -Charpy Impact Test at RT to -110 and -196 deg C	IS 1757-Part 1: 2014
85	MECHANICAL- METALLOGRAPHY TEST	Metallic materials , alloys and Products	Average grain size	ASTM E112: 2013



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
86	MECHANICAL-METALLOGRAPHY TEST	Metallic materials , alloys and Products	Macro structure Analysis	ASTM E381: 2017
87	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: 2017
88	MECHANICAL-METALLOGRAPHY TEST	Metallic materials, alloys and products	Average Grain size	IS 4748: 2009
89	MECHANICAL-METALLOGRAPHY TEST	Welding Rods electrodes & filler metals of metallic materials	Average grain size	IS 4748: 2009
90	MECHANICAL-METALLOGRAPHY TEST	Welding Rods electrodes & filler metals of metallic materials	Average grain size	ASTM E112: 2013
91	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: 2019
92	MECHANICAL-METALLOGRAPHY TEST	Welding Rods electrodes & filler metals of metallic materials	Micro -structure analysis	ASM HAND BOOK VOLUME 9: 2004