National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : AMSTEEL CASTINGS PVT. LTD., 35A,SIPCOT INDUSTRIAL COMPLEX (PHASE I), HOSUR, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 05/03/2023 to 04/03/2025 **Last Amended on** 08/06/2023

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 1-35A,SIPCOT INDUSTRIAL COMPLEX (PHASE I), HOSUR, TAMIL NADU, INDIA Permanent Facility				
1	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Aluminium	ASTM E3047
2	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Carbon	ASTM E3047
3	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Chromium	ASTM E3047
4	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Cobalt	ASTM E3047
5	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Copper	ASTM E3047
6	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Iron	ASTM E3047
7	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Manganese	ASTM E3047
8	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Molyebdenum	ASTM E3047
9	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Niobium	ASTM E3047
10	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Nitrogen	ASTM E3047
11	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Phosphorus	ASTM E3047
12	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Silicon	ASTM E3047
13	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Sulphur	ASTM E3047
14	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Titanium	ASTM E3047
15	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Tungsten	ASTM E3047
16	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Vanadium	ASTM E3047
17	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Aluminium	ASTM E415
18	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Aluminium	IS 8811

SCOPE OF ACCREDITATION

Laboratory Name : AMSTEEL CASTINGS PVT. LTD., 35A,SIPCOT INDUSTRIAL COMPLEX (PHASE I), HOSUR, TAMIL NADU, INDIA

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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	Plain Carbon Steel & Low Alloy Steel	Boron	ASTM E415
20	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Boron	IS 8811
21	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Carbon	ASTM E415
22	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Carbon	IS 8811
23	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Chromium	ASTM E415
24	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Chromium	IS 8811
25	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Cobalt	ASTM E415
26	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Cobalt	IS 8811
27	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Copper	ASTM E415
28	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Copper	IS 8811
29	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Manganese	ASTM E415
30	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Manganese	IS 8811
31	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Molybdenum	ASTM E415
32	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Molybdenum	IS 8811 : 1998 RA
33	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Nickel	ASTM E415
34	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Nickel	IS 8811
35	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Niobium	ASTM E415
36	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Niobium	IS 8811
37	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Phosphorus	ASTM E415

SCOPE OF ACCREDITATION

Laboratory Name : AMSTEEL CASTINGS PVT. LTD., 35A,SIPCOT INDUSTRIAL COMPLEX (PHASE I), HOSUR, TAMIL NADU, INDIA

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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
38	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Phosphorus	IS 8811
39	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Silicon	ASTM E415
40	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Silicon	IS 8811
41	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Sulphur	ASTM E415
42	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Sulphur	IS 8811
43	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Tin	ASTM E415
44	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Tin	IS 8811
45	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Vanadium	ASTM E415
46	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Vanadium	IS 8811
47	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM E1086
48	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS 9879
49	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E1086
50	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 9879
51	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E1086
52	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	IS 9879
53	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM 1086
54	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS 9879
55	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E1086
56	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	IS 9879

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Laboratory Name : AMSTEEL CASTINGS PVT. LTD., 35A,SIPCOT INDUSTRIAL COMPLEX (PHASE I), HOSUR, TAMIL NADU, INDIA

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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	Nickel	ASTM E1086
58	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 9879
59	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	ASTM E1086
60	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	IS 9879
61	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E1086
62	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	IS 9879
63	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	ASTM E1086
64	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	IS 9879
65	CHEMICAL- METALS & ALLOYS	Stainless steel and Duplex Stainless Steel	Tin	ASTM A751
66	CHEMICAL- METALS & ALLOYS	Stainless Steel and Duplex Stainless Steel	Aluminium	ASTM A751
67	CHEMICAL- METALS & ALLOYS	Stainless Steel and Duplex Stainless Steel	Boron	ASTM A751
68	CHEMICAL- METALS & ALLOYS	Stainless Steel and Duplex Stainless Steel	Carbon	ASTM A751
69	CHEMICAL- METALS & ALLOYS	Stainless Steel and Duplex Stainless Steel	Chromium	ASTM A751
70	CHEMICAL- METALS & ALLOYS	Stainless steel and Duplex Stainless Steel	Cobalt	ASTM A751
71	CHEMICAL- METALS & ALLOYS	Stainless Steel and Duplex Stainless Steel	Copper	ASTM A751
72	CHEMICAL- METALS & ALLOYS	Stainless Steel and Duplex Stainless Steel	Lead	ASTM A751
73	CHEMICAL- METALS & ALLOYS	Stainless Steel and Duplex Stainless Steel	Manganese	ASTM A751
74	CHEMICAL- METALS & ALLOYS	Stainless Steel and Duplex Stainless Steel	Molybdenum	ASTM A751
75	CHEMICAL- METALS & ALLOYS	Stainless Steel and Duplex Stainless Steel	Nickel	ASTM A751

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Laboratory Name : AMSTEEL CASTINGS PVT. LTD., 35A,SIPCOT INDUSTRIAL COMPLEX (PHASE I), HOSUR, TAMIL NADU, INDIA

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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
76	CHEMICAL- METALS & ALLOYS	Stainless steel and Duplex Stainless Steel	Niobium	ASTM A751
77	CHEMICAL- METALS & ALLOYS	Stainless steel and Duplex Stainless Steel	Nitrogen	ASTM A751
78	CHEMICAL- METALS & ALLOYS	Stainless Steel and Duplex Stainless Steel	Phosphorus	ASTM A751
79	CHEMICAL- METALS & ALLOYS	Stainless Steel and Duplex Stainless Steel	Silicon	ASTM A751
80	CHEMICAL- METALS & ALLOYS	Stainless Steel and Duplex Stainless Steel	Sulphur	ASTM A751
81	CHEMICAL- METALS & ALLOYS	Stainless steel and Duplex Stainless Steel	Titanium	ASTM A751
82	CHEMICAL- METALS & ALLOYS	Stainless steel and Duplex Stainless Steel	Tungsten	ASTM A751
83	CHEMICAL- METALS & ALLOYS	Stainless steel and Duplex Stainless Steel	Vanadium	ASTM A751
84	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Elongation	ASTM E8
85	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Elongation	IS 1608 : PART 1
86	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Elongation	ISO 6892 - 1
87	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Reduction Area	ASTM E8
88	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Reduction area	IS 1608 : PART 1
89	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Reduction Area	ISO 6892 - 1
90	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.2 % Offset Yield Strength	ASTM E8
91	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.2 % Proof Strength	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
92	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.2 % Proof Strength	ISO 6892 - 1
93	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	1.0 % Proof Strength	ISO 6892 - 1
94	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	1.0 % Proof Stress	IS 1608 : PART 1
95	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Bend Test	IS 1599
96	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Bend Test	ISO 7438
97	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness	ASTM E10
98	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness	IS 1500 : PART 1
99	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness	ISO 6506-1
100	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Charpy Impact test - "U" notch (From ambient temperature to -110°C and -196°C)	ASTM E23
101	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Charpy Impact test - "V" notch (From ambient temperature to -110°C and -196°C)	ASTM E23
102	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Charpy Impact test "U" notch(ambient temperature to -110°C and -196°C)	IS 1499
103	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Charpy Impact test "V" notch(From ambient temperature to -110°C and -196°C)	IS 1757 Part 1
104	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Charpy Impact test "V" notch(From ambient temperature to -110°C and -196°C)	ISO 148 - 1

SCOPE OF ACCREDITATION

Laboratory Name : AMSTEEL CASTINGS PVT. LTD., 35A,SIPCOT INDUSTRIAL COMPLEX (PHASE I), HOSUR, TAMIL NADU, INDIA

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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
105	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Strength	ASTM E8
106	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile strength	IS 1608 : PART 1
107	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Strength	ISO 6892 - 1
108	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness	ASTM E92
109	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	VIickers Hardness	ISO 6507-1
110	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	% Elongation	ASTM A370
111	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	% Reduction Area	ASTM A370
112	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	0.2% Offset Yield Strength	ASTM A370
113	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Bend Test	ASTM A370
114	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Tensile Strength	ASTM A370
115	MECHANICAL-METALLOGRAPHY TEST	Duplex Stainless Steel	Ferric Chloride Corrosion Test - Method C	ASTM A923
116	MECHANICAL-METALLOGRAPHY TEST	Duplex Stainless Steel	Sodium Hydroxide Etch test - Method A	ASTM A923
117	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Grain Size Measurement (Comparision Method)	ASTM E112
118	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Microstructure Examination	ASM HANDBOOK VOLUME - 9
119	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel	Intergranular Corrosion Test - Method A	EN ISO 3651-2

SCOPE OF ACCREDITATION

Laboratory Name : AMSTEEL CASTINGS PVT. LTD., 35A,SIPCOT INDUSTRIAL COMPLEX (PHASE I), HOSUR, TAMIL NADU, INDIA

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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
120	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel	Intergranular Corrosion Test - Practice "A"	ASTM A262
121	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel	Intergranular Corrosion Test - Practice "B"	ASTM A262
122	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel	Intergranular Corrosion Test - Practice "E"	ASTM A262
123	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel	Intergranular Corrosion Test - Practice "F"	ASTM A262
124	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel,Duplex Stainless Steel & Nickel base alloys	Ferric Chloride Pitting Test - Method A	ASTM G48
125	MECHANICAL-METALLOGRAPHY TEST	Steel	Depth of Decarburization	ASTM E1077
126	MECHANICAL-METALLOGRAPHY TEST	Steel	Depth of Decarburization	ISO 3887
127	MECHANICAL-METALLOGRAPHY TEST	Steel	Ferrite Estimation (Manual Point Count)	ASTM E562
128	MECHANICAL-METALLOGRAPHY TEST	Steel	Grain Size Measurement (Comparision Method)	IS 4748
129	MECHANICAL-METALLOGRAPHY TEST	Steel	Grain Size Measurement (Comparision Method)	ISO 643
130	MECHANICAL-METALLOGRAPHY TEST	Steel	Macro examination	IS 7739 PART 5 : 1976 RA2018 & ASME Sec IX

SCOPE OF ACCREDITATION

Laboratory Name :	AMSTEEL CASTINGS PVT. LTD., 35A,SIPCOT INDUSTRIAL COMPLEX (PHASE I), HOSUR, TAMIL NADU, 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
LOCATION 2 - 25,SIPCOT INDUSTRIAL COMPLEX, HOSUR, TAMIL NADU, INDIA Permanent Facility				
1	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Aluminium	ASTM E3047
2	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Carbon	ASTM E3047
3	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Chromium	ASTM E3047
4	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Cobalt	ASTM E3047
5	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Copper	ASTM E3047
6	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Iron	ASTM E3047
7	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Manganese	ASTM E3047
8	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Molybdenum	ASTM E3047
9	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Niobium	ASTM E3047
10	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Nitrogen	ASTM E3047
11	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Phosphorus	ASTM E3047
12	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Silicon	ASTM E3047
13	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Sulphur	ASTM E3047
14	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Titanium	ASTM E3047
15	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Vanadium	ASTM E3047
16	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Tungsten	ASTM E3047
17	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Aluminium	ASTM E415
18	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Aluminium	IS 8811

SCOPE OF ACCREDITATION

Laboratory Name : AMSTEEL CASTINGS PVT. LTD., 35A,SIPCOT INDUSTRIAL COMPLEX (PHASE I), HOSUR, TAMIL NADU, INDIA

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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	Plain Carbon Steel & Low Alloy Steel	Boron	ASTM E415
20	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Boron	IS 8811
21	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Carbon	ASTM E415
22	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Carbon	IS 8811
23	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Chromium	ASTM E415
24	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Chromium	IS 8811
25	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Cobalt	ASTM E415
26	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Cobalt	IS 8811
27	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Copper	ASTM E415
28	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Copper	IS 8811
29	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Manganese	ASTM E415
30	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Manganese	IS 8811
31	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Molybdenum	ASTM E415
32	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Molybdenum	IS 8811
33	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Nickel	ASTM E415
34	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Nickel	IS 8811
35	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Niobium	ASTM E415
36	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Niobium	IS 8811
37	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Phosphorus	ASTM E415

SCOPE OF ACCREDITATION

Laboratory Name : AMSTEEL CASTINGS PVT. LTD., 35A,SIPCOT INDUSTRIAL COMPLEX (PHASE I), HOSUR, TAMIL NADU, INDIA

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38	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Phosphorus	IS 8811
39	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Silicon	ASTM E415
40	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Silicon	IS 8811
41	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Sulphur	ASTM E415
42	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Sulphur	IS 8811
43	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Tin	ASTM E415
44	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Tin	IS 8811
45	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Titanium	ASTM E415
46	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Titanium	IS 8811
47	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Vanadium	ASTM E415
48	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Vanadium	IS 8811
49	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM 1086
50	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS 9879
51	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E1086
52	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 9879
53	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E1086
54	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	IS 9879
55	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E1086
56	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS 9879

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Laboratory Name : AMSTEEL CASTINGS PVT. LTD., 35A,SIPCOT INDUSTRIAL COMPLEX (PHASE I), HOSUR, TAMIL NADU, INDIA

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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	Molybdenum	ASTM E1086
58	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	IS 9879
59	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E1086
60	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 9879
61	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	ASTM E1086
62	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	IS 9879
63	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E1086
64	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	IS 9879
65	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	ASTM E1086
66	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	IS 9879
67	CHEMICAL- METALS & ALLOYS	Stainless Steel & Duplex Stainless Steel	Aluminium	ASTM A751
68	CHEMICAL- METALS & ALLOYS	Stainless Steel & Duplex Stainless Steel	Boron	ASTM A751
69	CHEMICAL- METALS & ALLOYS	Stainless Steel & Duplex Stainless Steel	Carbon	ASTM A751
70	CHEMICAL- METALS & ALLOYS	Stainless Steel & Duplex Stainless Steel	Chromium	ASTM A751
71	CHEMICAL- METALS & ALLOYS	Stainless Steel & Duplex Stainless Steel	Cobalt	ASTM A751
72	CHEMICAL- METALS & ALLOYS	Stainless Steel & Duplex Stainless Steel	Copper	ASTM A751
73	CHEMICAL- METALS & ALLOYS	Stainless Steel & Duplex Stainless Steel	Manganese	ASTM A751
74	CHEMICAL- METALS & ALLOYS	Stainless Steel & Duplex Stainless Steel	Molybdenum	ASTM A751
75	CHEMICAL- METALS & ALLOYS	Stainless Steel & Duplex Stainless Steel	Nickel	ASTM A751

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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
76	CHEMICAL- METALS & ALLOYS	Stainless Steel & Duplex Stainless Steel	Niobium	ASTM A751
77	CHEMICAL- METALS & ALLOYS	Stainless Steel & Duplex Stainless Steel	Nitrogen	ASTM A715
78	CHEMICAL- METALS & ALLOYS	Stainless Steel & Duplex Stainless Steel	Phosphorus	ASTM A751
79	CHEMICAL- METALS & ALLOYS	Stainless Steel & Duplex Stainless Steel	Silicon	ASTM A751
80	CHEMICAL- METALS & ALLOYS	Stainless Steel & Duplex Stainless Steel	Sulphur	ASTM A751
81	CHEMICAL- METALS & ALLOYS	Stainless Steel & Duplex Stainless Steel	Tin	ASTM A751
82	CHEMICAL- METALS & ALLOYS	Stainless Steel & Duplex Stainless Steel	Titanium	ASTM A751
83	CHEMICAL- METALS & ALLOYS	Stainless Steel & Duplex Stainless Steel	Tungsten	ASTM A751
84	CHEMICAL- METALS & ALLOYS	Stainless Steel & Duplex Stainless Steel	Vanadium	ASTM A751
85	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Elongation(4d)	ASTM E8
86	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Elongation(4d)	IS 1608 : PART 1
87	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Elongation(4d)	ISO 6892 - 1
88	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Elongation(5d)	ASTM E8
89	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Elongation(5d)	IS 1608 : PART 1
90	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Elongation(5d)	ISO 6892 - 1
91	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Reduction Area	ASTM E8

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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
92	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Reduction Area	IS 1608 : PART 1
93	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Reduction Area	ISO 6892-1
94	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.2% Offset Yield Strength	ASTM E8
95	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.2% Proof Strength	IS 1608 : PART 1
96	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.2% Proof Strength	ISO 6892-1
97	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	1% Proof Strength	IS 1608 : PART 1
98	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	1% Proof Strength	ISO 6892-1
99	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials	Bend Test	ASTM E290
100	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Bend Test	IS 1599
101	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Bend Test	ISO 7438
102	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness (HBW 10/3000)	IS 1500 : PART 1
103	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	BRINELL HARDNESS(HBW 10/3000)	ASTM E10
104	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	BRINELL HARDNESS(HBW 10/3000)	ISO 6506-1
105	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials	Charpy Impact "U" Notch (Ambient Temperature to -110°C and -196°C)	IS 1499

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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
106	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials	Charpy Impact Test "V" Notch (Ambient Temperature to -110°C and -196°C)	ISO 148 - 1
107	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials	Charpy Impact test "V" Notch (Ambient Temperature to -110°C and -196°C)	IS 1757 : PART 1
108	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials	Rockwell Hardness Scale B (HRBW)	ASTM E18
109	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials	Rockwell Hardness Scale B (HRBW)	IS 1586 : PART 1
110	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials	Rockwell Hardness Scale B (HRBW)	ISO 6508-1
111	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials	Rockwell Hardness Scale C (HRC)	ASTM E18
112	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials	Rockwell Hardness Scale C (HRC)	IS 1586 : PART 1
113	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials	Rockwell Hardness Scale C(HRC)	ISO 6508 - 1
114	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Strength	ASTM E8
115	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Strength	IS 1608 : PART 1
116	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Strength	ISO 6892-1
117	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	% Elongation(4d)	ASTM A370
118	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	% Elongation(5d)	ASTM A370
119	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	% Reduction Area	ASTM A370

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120	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	0.2% Offset Yield Strength	ASTM A370
121	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Bend Test	ASTM A370
122	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Tensile Strength	ASTM A370
123	MECHANICAL-METALLOGRAPHY TEST	Duplex Stainless Steel	Pitting Corrosion Test - Ferric Chloride Corrosion Test (Method C)	ASTM A923
124	MECHANICAL-METALLOGRAPHY TEST	Duplex Stainless Steel	Pitting Corrosion Test : Sodium Hydroxide Etch test (Method A)	ASTM A923
125	MECHANICAL-METALLOGRAPHY TEST	Metallic materials	Grain Size (Comparison Method)	ASTM E112
126	MECHANICAL-METALLOGRAPHY TEST	Metallic materials	Microstructure Examination	ASM HANDBOOK VOLUME 9
127	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel	Intergranular Corrosion (IGC) Test - Practice F	ASTM A262
128	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel	Intergranular Corrosion(IGC) Test - Practice A	ASTM A262
129	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel	Intergranular Corrosion(IGC) Test - Practice B	ASTM A262
130	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel	Intergranular Corrosion(IGC) Test - Practice E	ASTM A262
131	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel & Duplex Stainless Steel	Intergranular Corrosion (IGC) Test - Method A	ISO 3651-2
132	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel,Duplex Stainless Steel and Nickel Alloy	Pitting Corrosion Test - Method A	ASTM G48
133	MECHANICAL-METALLOGRAPHY TEST	Steel	Ferrite Estimation (Manual Point Count Method)	ASTM E562
134	MECHANICAL-METALLOGRAPHY TEST	Steel	Grain Size (Comparison Method)	ISO 643
135	MECHANICAL-METALLOGRAPHY TEST	Steel	Grain Size(Comparision Method)	IS 4748