National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRALLOY SPECIAL STEEL CASTINGS PVT. LTD., PLOT NO. 25, SIPCOT INDUSTRIAL COMPLEX, 6TH CROSS ROAD, HOSUR, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 16/03/2021 to 15/03/2023 **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	Ferrous Alloys (Stainless Steel) & Duplex Steel	S	IS:9879 (ESSC/SVVM/DSS/SOR for Duplex Steel only)
2	CHEMICAL- METALS & ALLOYS	Ferrous Alloys (Stainless Steel) & Duplex Steel	Al	ASTM E1086 (ESSC/SVVM/DSS/SOR for Duplex Steel only)
3	CHEMICAL- METALS & ALLOYS	Ferrous Alloys (Stainless Steel) & Duplex Steel	Al	IS:9879 (ESSC/SVVM/DSS/SOR for Duplex Steel only)
4	CHEMICAL- METALS & ALLOYS	Ferrous Alloys (Stainless Steel) & Duplex Steel	B	ASTM E1086 (ESSC/SVVM/DSS/SOR for Duplex Steel only)
5	CHEMICAL- METALS & ALLOYS	Ferrous Alloys (Stainless Steel) & Duplex Steel	B	IS:9879 (ESSC/SVVM/DSS/SOR for Duplex Steel only)
6	CHEMICAL- METALS & ALLOYS	Ferrous Alloys (Stainless Steel) & Duplex Steel	C	ASTM E1086 (ESSC/SVVM/DSS/SOR for Duplex Steel only)
7	CHEMICAL- METALS & ALLOYS	Ferrous Alloys (Stainless Steel) & Duplex Steel	C	IS:9879 (ESSC/SVVM/DSS/SOR for Duplex Steel only)
8	CHEMICAL- METALS & ALLOYS	Ferrous Alloys (Stainless Steel) & Duplex Steel	Co	ASTM E1086 (ESSC/SVVM/DSS/SOR for Duplex Steel only)
9	CHEMICAL- METALS & ALLOYS	Ferrous Alloys (Stainless Steel) & Duplex Steel	Co	IS:9879 (ESSC/SVVM/DSS/SOR for Duplex Steel only)
10	CHEMICAL- METALS & ALLOYS	Ferrous Alloys (Stainless Steel) & Duplex Steel	Cr	ASTM E1086 (ESSC/SVVM/DSS/SOR for Duplex Steel only)
11	CHEMICAL- METALS & ALLOYS	Ferrous Alloys (Stainless Steel) & Duplex Steel	Cr	IS:9879 / ESSC/SVVM/DSS/SOR for Duplex Steel only
12	CHEMICAL- METALS & ALLOYS	Ferrous Alloys (Stainless Steel) & Duplex Steel	Cu	ASTM E1086 (ESSC/SVVM/DSS/SOR for Duplex Steel only)
13	CHEMICAL- METALS & ALLOYS	Ferrous Alloys (Stainless Steel) & Duplex Steel	Cu	IS:9879 (ESSC/SVVM/DSS/SOR for Duplex Steel only)
14	CHEMICAL- METALS & ALLOYS	Ferrous Alloys (Stainless Steel) & Duplex Steel	Mn	ASTM E1086 (ESSC/SVVM/DSS/SOR for Duplex Steel only)
15	CHEMICAL- METALS & ALLOYS	Ferrous Alloys (Stainless Steel) & Duplex Steel	Mn	IS:9879 (ESSC/SVVM/DSS/SOR for Duplex Steel only)

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRALLOY SPECIAL STEEL CASTINGS PVT. LTD., PLOT NO. 25, SIPCOT INDUSTRIAL COMPLEX, 6TH CROSS ROAD, 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
16	CHEMICAL- METALS & ALLOYS	Ferrous Alloys (Stainless Steel) & Duplex Steel	Mo	ASTM E1086 (ESSC/SVVM/DSS/SOR for Duplex Steel only)
17	CHEMICAL- METALS & ALLOYS	Ferrous Alloys (Stainless Steel) & Duplex Steel	Mo	IS:9879 / ESSC/SVVM/DSS/SOR for Duplex Steel only
18	CHEMICAL- METALS & ALLOYS	Ferrous Alloys (Stainless Steel) & Duplex Steel	N	ASTM E1086 (ESSC/SVVM/DSS/SOR for Duplex Steel only)
19	CHEMICAL- METALS & ALLOYS	Ferrous Alloys (Stainless Steel) & Duplex Steel	N	IS:9879 (ESSC/SVVM/DSS/SOR for Duplex Steel only)
20	CHEMICAL- METALS & ALLOYS	Ferrous Alloys (Stainless Steel) & Duplex Steel	Nb	ASTM E1086 (ESSC/SVVM/DSS/SOR for Duplex Steel only)
21	CHEMICAL- METALS & ALLOYS	Ferrous Alloys (Stainless Steel) & Duplex Steel	Nb	IS:9879 / ESSC/SVVM/DSS/SOR for Duplex Steel only
22	CHEMICAL- METALS & ALLOYS	Ferrous Alloys (Stainless Steel) & Duplex Steel	Ni	ASTM E1086 (ESSC/SVVM/DSS/SOR for Duplex Steel only)
23	CHEMICAL- METALS & ALLOYS	Ferrous Alloys (Stainless Steel) & Duplex Steel	Ni	IS:9879 (ESSC/SVVM/DSS/SOR for Duplex Steel only)
24	CHEMICAL- METALS & ALLOYS	Ferrous Alloys (Stainless Steel) & Duplex Steel	P	ASTM E1086 (ESSC/SVVM/DSS/SOR for Duplex Steel only)
25	CHEMICAL- METALS & ALLOYS	Ferrous Alloys (Stainless Steel) & Duplex Steel	P	IS:9879 (ESSC/SVVM/DSS/SOR for Duplex Steel only)
26	CHEMICAL- METALS & ALLOYS	Ferrous Alloys (Stainless Steel) & Duplex Steel	S	ASTM E1086 (ESSC/SVVM/DSS/SOR for Duplex Steel only)
27	CHEMICAL- METALS & ALLOYS	Ferrous Alloys (Stainless Steel) & Duplex Steel	Si	ASTM E1086 (ESSC/SVVM/DSS/SOR for Duplex Steel only)
28	CHEMICAL- METALS & ALLOYS	Ferrous Alloys (Stainless Steel) & Duplex Steel	Si	IS:9879 (ESSC/SVVM/DSS/SOR for Duplex Steel only)
29	CHEMICAL- METALS & ALLOYS	Ferrous Alloys (Stainless Steel) & Duplex Steel	Sn	ASTM E1086 (ESSC/SVVM/DSS/SOR for Duplex Steel only)
30	CHEMICAL- METALS & ALLOYS	Ferrous Alloys (Stainless Steel) & Duplex Steel	Sn	IS:9879 (ESSC/SVVM/DSS/SOR for Duplex Steel only)

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRALLOY SPECIAL STEEL CASTINGS PVT. LTD., PLOT NO. 25, SIPCOT INDUSTRIAL COMPLEX, 6TH CROSS ROAD, HOSUR, TAMIL NADU, INDIA

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Validity 16/03/2021 to 15/03/2023 **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
31	CHEMICAL- METALS & ALLOYS	Ferrous Alloys (Stainless Steel) & Duplex Steel	Ti	ASTM E1086 (ESSC/SVVM/DSS/SOR for Duplex Steel only)
32	CHEMICAL- METALS & ALLOYS	Ferrous Alloys (Stainless Steel) & Duplex Steel	Ti	IS:9879 (ESSC/SVVM/DSS/SOR for Duplex Steel only)
33	CHEMICAL- METALS & ALLOYS	Ferrous Alloys (Stainless Steel) & Duplex Steel	V	ASTM E1086 (ESSC/SVVM/DSS/SOR for Duplex Steel only)
34	CHEMICAL- METALS & ALLOYS	Ferrous Alloys (Stainless Steel) & Duplex Steel	V	IS:9879 (ESSC/SVVM/DSS/SOR for Duplex Steel only)
35	CHEMICAL- METALS & ALLOYS	Ferrous Alloys (Stainless Steel) & Duplex Steel	W	ASTM E1086 (ESSC/SVVM/DSS/SOR for Duplex Steel only)
36	CHEMICAL- METALS & ALLOYS	Ferrous Alloys (Stainless Steel) & Duplex Steel	W	IS:9879 (ESSC/SVVM/DSS/SOR for Duplex Steel only)
37	CHEMICAL- METALS & ALLOYS	Ferrous Alloys (Stainless Steel) & Duplex Steel	Zr	ASTM E1086 (ESSC/SVVM/DSS/SOR for Duplex Steel only)
38	CHEMICAL- METALS & ALLOYS	Ferrous Alloys (Stainless Steel) & Duplex Steel	Zr	IS:9879 (ESSC/SVVM/DSS/SOR for Duplex Steel only)
39	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Plain Carbon & Low Alloy Steel	Al	ASTM E415
40	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Plain Carbon & Low Alloy Steel	Al	IS:8811
41	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Plain Carbon & Low Alloy Steel	B	ASTM E415
42	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Plain Carbon & Low Alloy Steel	B	IS:8811
43	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Plain Carbon & Low Alloy Steel	C	ASTM E415
44	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Plain Carbon & Low Alloy Steel	C	IS:8811
45	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Plain Carbon & Low Alloy Steel	Co	ASTM E415
46	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Plain Carbon & Low Alloy Steel	Co	IS:8811
47	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Plain Carbon & Low Alloy Steel	Cr	ASTM E415

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRALLOY SPECIAL STEEL CASTINGS PVT. LTD., PLOT NO. 25, SIPCOT INDUSTRIAL COMPLEX, 6TH CROSS ROAD, 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
48	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Plain Carbon & Low Alloy Steel	Cr	IS:8811
49	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Plain Carbon & Low Alloy Steel	Cu	ASTM E415
50	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Plain Carbon & Low Alloy Steel	Cu	IS:8811
51	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Plain Carbon & Low Alloy Steel	Mn	ASTM E415
52	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Plain Carbon & Low Alloy Steel	Mn	IS:8811
53	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Plain Carbon & Low Alloy Steel	Mo	ASTM E415
54	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Plain Carbon & Low Alloy Steel	Mo	IS:8811
55	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Plain Carbon & Low Alloy Steel	N	ASTM E415
56	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Plain Carbon & Low Alloy Steel	N	IS:8811
57	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Plain Carbon & Low Alloy Steel	Nb	ASTM E415
58	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Plain Carbon & Low Alloy Steel	Nb	IS:8811
59	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Plain Carbon & Low Alloy Steel	Ni	ASTM E415
60	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Plain Carbon & Low Alloy Steel	Ni	IS:8811
61	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Plain Carbon & Low Alloy Steel	P	ASTM E415
62	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Plain Carbon & Low Alloy Steel	P	IS:8811
63	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Plain Carbon & Low Alloy Steel	Pb	ASTM E415
64	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Plain Carbon & Low Alloy Steel	Pb	IS:8811
65	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Plain Carbon & Low Alloy Steel	S	ASTM E415
66	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Plain Carbon & Low Alloy Steel	S	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
67	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Plain Carbon & Low Alloy Steel	Sb	ASTM E415
68	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Plain Carbon & Low Alloy Steel	Sb	IS:8811
69	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Plain Carbon & Low Alloy Steel	Si	ASTM E415
70	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Plain Carbon & Low Alloy Steel	Si	IS:8811
71	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Plain Carbon & Low Alloy Steel	Sn	ASTM E415
72	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Plain Carbon & Low Alloy Steel	Sn	IS:8811
73	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Plain Carbon & Low Alloy Steel	Ti	ASTM E415
74	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Plain Carbon & Low Alloy Steel	Ti	IS:8811
75	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Plain Carbon & Low Alloy Steel	V	ASTM E415
76	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Plain Carbon & Low Alloy Steel	V	IS:8811
77	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Plain Carbon & Low Alloy Steel	W	ASTM E415
78	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Plain Carbon & Low Alloy Steel	W	IS:8811
79	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Plain Carbon & Low Alloy Steel	Zr	ASTM E415
80	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Plain Carbon & Low Alloy Steel	Zr	IS:8811
81	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Stainless & Duplex Steel	Al	ASTM A751
82	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Stainless & Duplex Steel	B	ASTM A751
83	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Stainless & Duplex Steel	C	ASTM A751
84	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Stainless & Duplex Steel	Co	ASTM A751
85	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Stainless & Duplex Steel	Cr	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
86	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Stainless & Duplex Steel	Cu	ASTM A751
87	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Stainless & Duplex Steel	Mn	ASTM A751
88	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Stainless & Duplex Steel	Mo	ASTM A751
89	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Stainless & Duplex Steel	N	ASTM A751
90	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Stainless & Duplex Steel	Nb	ASTM A751
91	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Stainless & Duplex Steel	Ni	ASTM A751
92	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Stainless & Duplex Steel	P	ASTM A751
93	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Stainless & Duplex Steel	S	ASTM A751
94	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Stainless & Duplex Steel	Si	ASTM A751
95	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Stainless & Duplex Steel	Sn	ASTM A751
96	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Stainless & Duplex Steel	Ti	ASTM A751
97	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Stainless & Duplex Steel	V	ASTM A751
98	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Stainless & Duplex Steel	W	ASTM A751
99	CHEMICAL- METALS & ALLOYS	Ferrous Alloys Stainless & Duplex Steel	Zr	ASTM A751
100	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Al	ASTM E3047
101	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	C	ASTM E3047
102	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Co	ASTM E3047
103	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Cr	ASTM E3047
104	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Cu	ASTM E3047

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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	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Fe	ASTM E3047
106	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Mn	ASTM E3047
107	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Mo	ASTM E3047
108	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	N	ASTM E3047
109	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Nb	ASTM E3047
110	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	P	ASTM E3047
111	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	S	ASTM E3047
112	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Si	ASTM E3047
113	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Ti	ASTM E3047
114	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	V	ASTM E3047
115	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	W	ASTM E3047
116	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Ferrous MaterialsMaterials	Brinell Hardness (HBW 10/3000)	IS 1500-1
117	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Brinell Hardness (HBW 10/3000)	ASTM E10
118	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials	% of Elongation (4d)	ASTM A370
119	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials	% of Elongation (4d)	ASTM E8
120	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials	% of Elongation (4d)	IS 1608
121	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials	% of Elongation (4d)	ISO 6892-1

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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
122	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	% of Elongation (5d)	ASTM A370
123	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	% of Elongation (5d)	ASTM E8
124	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	% of Elongation (5d)	IS 1608
125	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	% of Elongation (5d)	ISO 6892-1
126	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	% Reduction in area	ASTM A370
127	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	% Reduction in area	ASTM E8
128	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	% Reduction in area	IS 1608
129	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	% Reduction in area	ISO 6892-1
130	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	1% Proof Stress	ASTM A370
131	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	1% Proof Stress	ASTM E8
132	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	1% Proof Stress	IS 1608
133	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	1% Proof Stress	ISO 6892-1
134	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Bend Test	ASTM A370
135	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Bend Test	ASTM E290

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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
136	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Bend Test	IS 1599
137	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Bend Test	ISO 7438
138	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Brinell Hardness (HBW 10/3000)	ASTM 370
139	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Brinell Hardness (HBW 10/3000)	ASTM A370
140	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Brinell Hardness (HBW 10/3000)	ASTM A370
141	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Brinell Hardness (HBW 10/3000)	ASTM A370
142	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Brinell Hardness (HBW 10/3000)	ASTM E10
143	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Brinell Hardness (HBW 10/3000)	ASTM E10
144	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Brinell Hardness (HBW 10/3000)	ASTM E10
145	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Brinell Hardness (HBW 10/3000)	IS 1500-1
146	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Brinell Hardness (HBW 10/3000)	IS 1500-1
147	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Brinell Hardness (HBW 10/3000)	IS 1500-1
148	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Brinell Hardness (HBW 10/3000)	ISO 6506-1
149	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Brinell Hardness (HBW 10/3000)	ISO 6506-1

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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
150	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Brinell Hardness (HBW 10/3000)	ISO 6506-1
151	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Brinell Hardness (HBW 10/3000)	ISO 6506-1
152	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Charpy Impact - "U" Notch (Ambient Temperatre to Minus 196°C)	IS 1499
153	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Charpy Impact - "V" Notch (Ambient Temperature to Minus 196°C)	IS 1757-1
154	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Charpy Impact - "V" Notch (Ambient Temperature to Minus 196°C)	ISO 148-1
155	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness Scale B (HRBW)	ASTM A370
156	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness Scale B (HRBW)	ASTM A370
157	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness Scale B (HRBW)	ASTM A370
158	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness Scale B (HRBW)	ASTM E18
159	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness Scale B (HRBW)	ASTM E18
160	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness Scale B (HRBW)	ASTM E18
161	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness Scale B (HRBW)	IS 1586-1
162	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness Scale B (HRBW)	IS 1586-1
163	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness Scale B (HRBW)	IS 1586-1

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRALLOY SPECIAL STEEL CASTINGS PVT. LTD., PLOT NO. 25, SIPCOT INDUSTRIAL COMPLEX, 6TH CROSS ROAD, HOSUR, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 16/03/2021 to 15/03/2023 **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
164	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness Scale B (HRBW)	ISO 6508-1
165	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness Scale B (HRBW)	ISO 6508-1
166	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness Scale B (HRBW)	ISO 6508-1
167	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness Scale C (HRC)	ASTM A370
168	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness Scale C (HRC)	ASTM A370
169	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness Scale C (HRC)	ASTM A370
170	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness Scale C (HRC)	ASTM E18
171	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness Scale C (HRC)	ASTM E18
172	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness Scale C (HRC)	ASTM E18
173	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness Scale C (HRC)	IS 1586-1
174	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness Scale C (HRC)	IS 1586-1
175	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness Scale C (HRC)	IS 1586-1
176	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness Scale C (HRC)	ISO 6508-1
177	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness Scale C (HRC)	ISO 6508-1

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRALLOY SPECIAL STEEL CASTINGS PVT. LTD., PLOT NO. 25, SIPCOT INDUSTRIAL COMPLEX, 6TH CROSS ROAD, 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
178	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness Scale C (HRC)	ISO 6508-1
179	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Tensile Strength	ASTM A370
180	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Tensile Strength	ASTM E8
181	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Tensile Strength	IS 1608
182	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Tensile Strength	ISO 6892-1
183	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Yield Stress 0.2% (offset Method)	ASTM A370
184	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Yield Stress 0.2% (offset Method)	IS 1608
185	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Yield Stress 0.2% (offset Method)	ISO 6892-1
186	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Yield Stress 0.2%(offset Method)	ASTM E8
187	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	Intergranular Corrosion Test (Practice A)	ASTM A262
188	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	Intergranular Corrosion Test (Practice B)	ASTM A262
189	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	Intergranular Corrosion Test (Practice E)	ASTM A262
190	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	Intergranular Corrosion Test (Practice F)	ASTM A262
191	MECHANICAL-METALLOGRAPHY TEST	Duplex & Stainless Steel	Ferrite Estimation (Manual Point Count Method)	ASTM E562
192	MECHANICAL-METALLOGRAPHY TEST	Duplex & Stainless Steel	Intergranular Corrosion Test (Method A)	ISO 3651-2

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
193	MECHANICAL-METALLOGRAPHY TEST	Duplex & Stainless Steel	Pitting Corrosion Test (Method A)	ASTM G48:11
194	MECHANICAL-METALLOGRAPHY TEST	Duplex & Stainless Steel	Pitting Corrosion Test (Method C)	ASTM A923
195	MECHANICAL-METALLOGRAPHY TEST	Duplex & Stainless Steel	Sodium Hydroxide Etch Test (Method A)	ASTM A923
196	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials	Grain Size (Comparison Method)	ASTM E112
197	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials	Grain Size (Comparison Method)	IS 4748
198	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials	Grain Size (Comparison Method)	ISO 643
199	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials	Microstructure Examination	ASM Handbook - Vol. 9