National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MALNAD ALLOY CASTINGS PVT. LTD. (LABORATORY DIVISION), 36/A SHIMOGA BHADRAVATHI INDUSTRIAL AREA, BHADRAVATI, SHIVAMOGGA, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6985 **Page No** 1 of 8

Validity 20/03/2022 to 19/03/2024 **Last Amended on** 20/04/2022

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	Carbon & Low Alloy Steel	Aluminium	JIS G 1253
2	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Aluminum	ASTM E 415
3	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Aluminum	IS 8811
4	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Carbon	ASTM E 415
5	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Carbon	IS 8811
6	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Carbon	JIS G 1253
7	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Chromium	ASTM E 415
8	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Chromium	IS 8811
9	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Chromium	JIS G 1253
10	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Copper	ASTM E 415
11	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Copper	IS 8811
12	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Copper	JIS G 1253
13	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Manganese	ASTM E 415
14	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Manganese	IS 8811
15	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Manganese	JIS G 1253
16	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Molybdenum	ASTM E 415
17	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Molybdenum	IS 8811
18	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Molybdenum	JIS G 1253

SCOPE OF ACCREDITATION

Laboratory Name :	MALNAD ALLOY CASTINGS PVT. LTD. (LABORATORY DIVISION), 36/A SHIMOGA BHADRAVATHI INDUSTRIAL AREA, BHADRAVATI, SHIVAMOGGA, KARNATAKA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-6985
Page No	2 of 8
Validity	20/03/2022 to 19/03/2024
Last Amended on	20/04/2022

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	Carbon & Low Alloy Steel	Nickel	ASTM E 415
20	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Nickel	IS 8811
21	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Nickel	JIS G 1253
22	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Niobium	ASTM E 415
23	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Niobium	JIS G 1253
24	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Phosphorus	ASTM E 415
25	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Phosphorus	IS 8811
26	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Phosphorus	JIS G 1253
27	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Silicon	ASTM E 415
28	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Silicon	IS 8811
29	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Silicon	JIS G 1253
30	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Sulphur	ASTM E 415
31	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Sulphur	IS 8811
32	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Sulphur	JIS G 1253
33	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Vanadium	ASTM E 415
34	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Vanadium	IS 8811
35	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Vanadium	JIS G 1253
36	CHEMICAL- METALS & ALLOYS	Cast Iron/ SG Iron	Carbon	ASTM E1999
37	CHEMICAL- METALS & ALLOYS	Cast Iron/ SG Iron	Silicon	ASTME1999

SCOPE OF ACCREDITATION

Laboratory Name : MALNAD ALLOY CASTINGS PVT. LTD. (LABORATORY DIVISION), 36/A SHIMOGA BHADRAVATHI INDUSTRIAL AREA, BHADRAVATI, SHIVAMOGGA, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6985 **Page No** 3 of 8

Validity 20/03/2022 to 19/03/2024 **Last Amended on** 20/04/2022

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	Cast Iron/ SG Iron	Sulphur	ASTM E1999
39	CHEMICAL- METALS & ALLOYS	Cast Iron/SG Iron	Chromium	ASTM E1999
40	CHEMICAL- METALS & ALLOYS	Cast Iron/SG Iron	Copper	ASTM E1999
41	CHEMICAL- METALS & ALLOYS	Cast Iron/SG Iron	Manganese	ASTME1999
42	CHEMICAL- METALS & ALLOYS	Cast Iron/SG Iron	Molybdenum	ASTM E1999
43	CHEMICAL- METALS & ALLOYS	Cast Iron/SG Iron	Nickel	ASTM E1999
44	CHEMICAL- METALS & ALLOYS	Cast Iron/SG Iron	Phosphorus	ASTM E1999
45	CHEMICAL- METALS & ALLOYS	Ferrous , Duplex, Super Duplex , Stainless Steel	Carbon	ASTM E 1086
46	CHEMICAL- METALS & ALLOYS	Ferrous , Duplex, Super Duplex , Stainless Steel	Carbon	IS 9879
47	CHEMICAL- METALS & ALLOYS	Ferrous , Duplex, Super Duplex , Stainless Steel	Chromium	ASTM E1086
48	CHEMICAL- METALS & ALLOYS	Ferrous , Duplex, Super Duplex , Stainless Steel	Chromium	IS 9879
49	CHEMICAL- METALS & ALLOYS	Ferrous , Duplex, Super Duplex , Stainless Steel	Copper	ASTM E1086
50	CHEMICAL- METALS & ALLOYS	Ferrous , Duplex, Super Duplex , Stainless Steel	Copper	IS 9879
51	CHEMICAL- METALS & ALLOYS	Ferrous , Duplex, Super Duplex , Stainless Steel	Manganese	ASTM E1086
52	CHEMICAL- METALS & ALLOYS	Ferrous , Duplex, Super Duplex , Stainless Steel	Manganese	IS 9879
53	CHEMICAL- METALS & ALLOYS	Ferrous , Duplex, Super Duplex , Stainless Steel	Molybdenum	ASTM E1086
54	CHEMICAL- METALS & ALLOYS	Ferrous , Duplex, Super Duplex , Stainless Steel	Molybdenum	IS 9879
55	CHEMICAL- METALS & ALLOYS	Ferrous , Duplex, Super Duplex , Stainless Steel	Nickel	ASTM E1086
56	CHEMICAL- METALS & ALLOYS	Ferrous , Duplex, Super Duplex , Stainless Steel	Nickel	IS 9879

SCOPE OF ACCREDITATION

Laboratory Name :	MALNAD ALLOY CASTINGS PVT. LTD. (LABORATORY DIVISION), 36/A SHIMOGA BHADRAVATHI INDUSTRIAL AREA, BHADRAVATI, SHIVAMOGGA, KARNATAKA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6985	**Page No**	4 of 8
Validity	20/03/2022 to 19/03/2024	**Last Amended on**	20/04/2022

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	Ferrous , Duplex, Super Duplex , Stainless Steel	Phosphorus	ASTM E1086
58	CHEMICAL- METALS & ALLOYS	Ferrous , Duplex, Super Duplex , Stainless Steel	Phosphorus	IS 9879
59	CHEMICAL- METALS & ALLOYS	Ferrous , Duplex, Super Duplex , Stainless Steel	Silicon	ASTM E1086
60	CHEMICAL- METALS & ALLOYS	Ferrous , Duplex, Super Duplex , Stainless Steel	Silicon	IS 9879
61	CHEMICAL- METALS & ALLOYS	Ferrous , Duplex, Super Duplex , Stainless Steel	Sulphur	ASTM E1086
62	CHEMICAL- METALS & ALLOYS	Ferrous , Duplex, Super Duplex , Stainless Steel	Sulphur	IS 9879
63	CHEMICAL- METALS & ALLOYS	Ferrous , Duplex, Super Duplex , Stainless Stee	Tungsten	JIS G 1253
64	CHEMICAL- METALS & ALLOYS	Ferrous , Duplex, Super Duplex , Stainless Steel	Carbon	JIS G 1253
65	CHEMICAL- METALS & ALLOYS	Ferrous , Duplex, Super Duplex , Stainless Steel	Chromium	JIS G 1253
66	CHEMICAL- METALS & ALLOYS	Ferrous , Duplex, Super Duplex , Stainless Steel	Copper	JIS G 1253
67	CHEMICAL- METALS & ALLOYS	Ferrous , Duplex, Super Duplex , Stainless Steel	Manganese	JIS G 1253
68	CHEMICAL- METALS & ALLOYS	Ferrous , Duplex, Super Duplex , Stainless Steel	Molybdenum	JIS G 1253
69	CHEMICAL- METALS & ALLOYS	Ferrous , Duplex, Super Duplex , Stainless Steel	Nickel	JIS G 1253
70	CHEMICAL- METALS & ALLOYS	Ferrous , Duplex, Super Duplex , Stainless Steel	Niobium	JIS G 1253
71	CHEMICAL- METALS & ALLOYS	Ferrous , Duplex, Super Duplex , Stainless Steel	Nitrogen	JIS G 1253
72	CHEMICAL- METALS & ALLOYS	Ferrous , Duplex, Super Duplex , Stainless Steel	Phosphorus	JIS G 1253
73	CHEMICAL- METALS & ALLOYS	Ferrous , Duplex, Super Duplex , Stainless Steel	Silicon	JIS G 1253
74	CHEMICAL- METALS & ALLOYS	Ferrous , Duplex, Super Duplex , Stainless Steel	Sulphur	JIS G 1253
75	CHEMICAL- METALS & ALLOYS	Ferrous , Duplex, Super Duplex , Stainless Steel	Titanium	JIS G 1253

SCOPE OF ACCREDITATION

Laboratory Name : MALNAD ALLOY CASTINGS PVT. LTD. (LABORATORY DIVISION), 36/A SHIMOGA BHADRAVATHI INDUSTRIAL AREA, BHADRAVATI, SHIVAMOGGA, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6985 **Page No** 5 of 8

Validity 20/03/2022 to 19/03/2024 **Last Amended on** 20/04/2022

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	Nickel & Nickel alloys	Carbon	ASTM E 3047
77	CHEMICAL- METALS & ALLOYS	Nickel & Nickel alloys	Chromium	ASTM E 3047
78	CHEMICAL- METALS & ALLOYS	Nickel & Nickel alloys	Copper	ASTM E 3047
79	CHEMICAL- METALS & ALLOYS	Nickel & Nickel alloys	Iron	ASTM E 3047
80	CHEMICAL- METALS & ALLOYS	Nickel & Nickel alloys	Manganese	ASTM E 3047
81	CHEMICAL- METALS & ALLOYS	Nickel & Nickel alloys	Molybdenum	ASTM E 3047
82	CHEMICAL- METALS & ALLOYS	Nickel & Nickel alloys	Niobium	ASTM E 3047
83	CHEMICAL- METALS & ALLOYS	Nickel & Nickel alloys	Phosphorus	ASTM E 3047
84	CHEMICAL- METALS & ALLOYS	Nickel & Nickel alloys	Silicon	ASTM E 3047
85	CHEMICAL- METALS & ALLOYS	Nickel & Nickel alloys	Sulphur	ASTM E 3047
86	CHEMICAL- METALS & ALLOYS	Nickel & Nickel alloys	Tungsten	ASTM E 3047
87	CHEMICAL- METALS & ALLOYS	Nickel & Nickel alloys	Vanadium	ASTM E 3047
88	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Castings, Forgings, Plates, Rails, Coils, Bars, Fasteners, Bolts, Bloom, Slab, Billets, Structure steels, Ingots, Weld joints of castings, Tubes	% Elongation	ASTM E8/8M
89	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Castings, Forgings, Plates, Rails, Coils, Bars, Fasteners, Bolts, Bloom, Slab, Billets, Structure steels, Ingots, Weld joints of castings, Tubes	% Elongation	IS 1608 (Part 1)
90	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Castings, Forgings, Plates, Rails, Coils, Bars, Fasteners, Bolts, Bloom, Slab, Billets, Structure steels, Ingots, Weld joints of castings, Tubes	% Elongation	ISO 6892 (Part 1)
91	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Castings, Forgings, Plates, Rails, Coils, Bars, Fasteners, Bolts, Bloom, Slab, Billets, Structure steels, Ingots, Weld joints of castings, Tubes	% Reduction in Area	ASTM E8/8M
92	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Castings, Forgings, Plates, Rails, Coils, Bars, Fasteners, Bolts, Bloom, Slab, Billets, Structure steels, Ingots, Weld joints of castings, Tubes	% Reduction in Area	IS 1608 (Part 1)

SCOPE OF ACCREDITATION

Laboratory Name :	MALNAD ALLOY CASTINGS PVT. LTD. (LABORATORY DIVISION), 36/A SHIMOGA BHADRAVATHI INDUSTRIAL AREA, BHADRAVATI, SHIVAMOGGA, KARNATAKA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6985	**Page No**	6 of 8
Validity	20/03/2022 to 19/03/2024	**Last Amended on**	20/04/2022

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
93	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Castings, Forgings, Plates, Rails, Coils, Bars, Fasteners, Bolts, Bloom, Slab, Billets, Structure steels, Ingots, Weld joints of castings, Tubes	% Reduction in Area	ISO 6892 (Part 1)
94	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Castings, Forgings, Plates, Rails, Coils, Bars, Fasteners, Bolts, Bloom, Slab, Billets, Structure steels, Ingots, Weld joints of castings, Tubes	0.1%,0.2% , 0.5% Proof Strength	IS 1608 (Part 1)
95	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Castings, Forgings, Plates, Rails, Coils, Bars, Fasteners, Bolts, Bloom, Slab, Billets, Structure steels, Ingots, Weld joints of castings, Tubes	0.1%,0.2% , 0.5% Proof Strength	ISO 6892 (Part 1)
96	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Castings, Forgings, Plates, Rails, Coils, Bars, Fasteners, Bolts, Bloom, Slab, Billets, Structure steels, Ingots, Weld joints of castings, Tubes	Brinell Hardness - HBW 10/3000	ASTM E10
97	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Castings, Forgings, Plates, Rails, Coils, Bars, Fasteners, Bolts, Bloom, Slab, Billets, Structure steels, Ingots, Weld joints of castings, Tubes	Brinell Hardness - HBW 10/3000	ASTM E10
98	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Castings, Forgings, Plates, Rails, Coils, Bars, Fasteners, Bolts, Bloom, Slab, Billets, Structure steels, Ingots, Weld joints of castings, Tubes	Brinell Hardness - HBW 10/3000	IS 1500 (Part 1)
99	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Castings, Forgings, Plates, Rails, Coils, Bars, Fasteners, Bolts, Bloom, Slab, Billets, Structure steels, Ingots, Weld joints of castings, Tubes	Brinell Hardness - HBW 10/3000	IS 1500 (Part 1)
100	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Castings, Forgings, Plates, Rails, Coils, Bars, Fasteners, Bolts, Bloom, Slab, Billets, Structure steels, Ingots, Weld joints of castings, Tubes	Brinell Hardness - HBW 10/3000	ISO 6506-1
101	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Castings, Forgings, Plates, Rails, Coils, Bars, Fasteners, Bolts, Bloom, Slab, Billets, Structure steels, Ingots, Weld joints of castings, Tubes	Brinell Hardness - HBW 10/3000	ISO 6506-1
102	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Castings, Forgings, Plates, Rails, Coils, Bars, Fasteners, Bolts, Bloom, Slab, Billets, Structure steels, Ingots, Weld joints of castings, Tubes	Impact Test (Charpy “V”) (25° C to -50° C & -196'° C)	ASTM E23
103	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Castings, Forgings, Plates, Rails, Coils, Bars, Fasteners, Bolts, Bloom, Slab, Billets, Structure steels, Ingots, Weld joints of castings, Tubes	Ultimate Tensile Strength	ASTM E8/8M
104	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Castings, Forgings, Plates, Rails, Coils, Bars, Fasteners, Bolts, Bloom, Slab, Billets, Structure steels, Ingots, Weld joints of castings, Tubes	Ultimate Tensile Strength	IS 1608 (Part 1)
105	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Castings, Forgings, Plates, Rails, Coils, Bars, Fasteners, Bolts, Bloom, Slab, Billets, Structure steels, Ingots, Weld joints of castings, Tubes	Ultimate Tensile Strength	ISO 6892 (Part 1)
106	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Castings, Forgings, Plates, Rails, Coils, Bars, Fasteners, Bolts, Bloom, Slab, Billets, Structure steels, Ingots, Weld joints of castings, Tubes	Yield Strength	IS 1608 (Part 1)

SCOPE OF ACCREDITATION

Laboratory Name :	MALNAD ALLOY CASTINGS PVT. LTD. (LABORATORY DIVISION), 36/A SHIMOGA BHADRAVATHI INDUSTRIAL AREA, BHADRAVATI, SHIVAMOGGA, KARNATAKA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6985	**Page No**	7 of 8
Validity	20/03/2022 to 19/03/2024	**Last Amended on**	20/04/2022

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
107	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Castings, Forgings, Plates, Rails, Coils, Bars, Fasteners, Bolts, Bloom, Slab, Billets, Structure steels, Ingots, Weld joints of castings, Tubes	Yield Strength	ISO 6892 (Part 1)
108	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Castings, Forgings, Plates, Rails, Coils, Bars, Fasteners, Bolts, Bloom, Slab, Billets, Structure steels, Ingots, Weld joints of castings, Tubes	Yield Strength by offset method (software)	ASTM E 8/8M
109	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Castings, Forgings, Plates, Rails, Coils, Bars, Fasteners, Bolts, Bloom, Slab, Billets, Structure steels, Ingots, Weld joints of castings, Tubes	Yield stress by extensometer (0.1%,0.2% , 0.5%)	ASTM E8/8M
110	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals & Alloys	Bend Test	ASTM A 370
111	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals & Alloys	% Elongation	ASTM A 370
112	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals & Alloys	% Reduction in Area	ASTM A370
113	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals & Alloys	Impact Test (Charpy “V” - 25° C to -50° C & -196° C)	ASTM A370
114	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals & Alloys	Ultimate Tensile Strength	ASTM A370
115	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals & Alloys	Yield Strength by offset method (software)	ASTM A 370
116	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals & Alloys	Yield stress by extensometer (0.1%,0.2% , 0.5%)	ASTM A 370
117	MECHANICAL-METALLOGRAPHY TEST	Austenitic stainless steel	Inter granular Corrosion Test Practice A	ASTM A 262
118	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	Inter granular Corrosion Test Practice C	ASTM A 262
119	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	Inter granular Corrosion Test Practice B	ASTM A 262
120	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	Inter granular Corrosion Test Practice E	ASTM A 262
121	MECHANICAL-METALLOGRAPHY TEST	Duplex Stainless Steel	Determination of inter metalic phases in Duplex Stainless steel- Method A	ASTM A923

SCOPE OF ACCREDITATION

Laboratory Name :	MALNAD ALLOY CASTINGS PVT. LTD. (LABORATORY DIVISION), 36/A SHIMOGA BHADRAVATHI INDUSTRIAL AREA, BHADRAVATI, SHIVAMOGGA, KARNATAKA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-6985
Page No	8 of 8
Validity	20/03/2022 to 19/03/2024
Last Amended on	20/04/2022

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-METALLOGRAPHY TEST	Duplex Stainless Steel	Ferrite Count	ASTM E562
123	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals & Alloys	Micro Structural Characterization	ASM Hand Book Vol -9/ ASTM E 407
124	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals & Alloys	Micro Structural Characterization	ASM Metals Hand Book Vol. 9
125	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals and Alloys	Micro Structural Characterization	ASM Hand Book Vol -9/ ASTM E3
126	MECHANICAL-METALLOGRAPHY TEST	S G Iron Products	Micro structure examination	ASM Metals Hand Book Vol. 9
127	MECHANICAL-METALLOGRAPHY TEST	S G Iron Products	Nodularity, Type, Size, Distribution of Nodules by comparison method	ASTM A247
128	MECHANICAL-METALLOGRAPHY TEST	Stainless Steels,Duplex Stainless Steel	Pitting corrosion Test - Method A	ASTM G 48