National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MATERIAL INSPECTION LABORATORY, UNIT NO. 2 & 4, REGAL INDUSTRIAL ESTATE, GROUND FLOOR, A.D MARG, SEWREE (WEST), MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6708 **Page No** 1 of 13

Validity 24/02/2022 to 23/02/2024 **Last Amended on** 27/03/2022

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	Aluminium & its alloys	Chromium	ASTM E 1251
2	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Copper	ASTM E 1251
3	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Iron	ASTM E 1251
4	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Manganese	ASTM E 1251
5	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Nickel	ASTM E 1251
6	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Silicon	ASTM E 1251
7	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Titanium	ASTM E 1251
8	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Zinc	ASTM E 1251
9	CHEMICAL- METALS & ALLOYS	Aluminium& its alloys	Magnesium	ASTM E 1251
10	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Aluminium	IS 8811
11	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Aluminum	ASTM E 415
12	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Boron	ASTM E 415
13	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Boron	IS 8811
14	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Carbon	ASTM E 415
15	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Carbon	IS 8811
16	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Chromium	ASTM E 415
17	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Chromium	IS 8811
18	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Cobalt	ASTM E 415

SCOPE OF ACCREDITATION

Laboratory Name : MATERIAL INSPECTION LABORATORY, UNIT NO. 2 & 4, REGAL INDUSTRIAL ESTATE, GROUND FLOOR, A.D MARG, SEWREE (WEST), MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6708 **Page No** 2 of 13

Validity 24/02/2022 to 23/02/2024 **Last Amended on** 27/03/2022

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 And Low Alloy Steels	Cobalt	IS 8811
20	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Copper	ASTM E 415
21	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Copper	IS 8811
22	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Manganese	ASTM E 415
23	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Manganese	IS 8811
24	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Molybdenum	ASTM E 415
25	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Molybdenum	IS 8811
26	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Nickel	ASTM E 415
27	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Nickel	IS 8811
28	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Niobium	ASTM E 415
29	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Niobium	IS 8811
30	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Phosphorous	ASTM E 415
31	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Phosphorous	IS 8811
32	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Silicon	ASTM E 415
33	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Silicon	IS 8811
34	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Sulfur	ASTM E 415
35	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Sulfur	IS 8811
36	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Vanadium	ASTM E 415
37	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Vanadium	IS 8811

SCOPE OF ACCREDITATION

Laboratory Name : MATERIAL INSPECTION LABORATORY, UNIT NO. 2 & 4, REGAL INDUSTRIAL ESTATE, GROUND FLOOR, A.D MARG, SEWREE (WEST), MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6708 **Page No** 3 of 13

Validity 24/02/2022 to 23/02/2024 **Last Amended on** 27/03/2022

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	Copper Base & Alloys	Aluminium	BS EN 15079
39	CHEMICAL- METALS & ALLOYS	Copper Base & Alloys	Antimony	BS EN 15079
40	CHEMICAL- METALS & ALLOYS	Copper Base & Alloys	Arsenic	BS EN 15079
41	CHEMICAL- METALS & ALLOYS	Copper Base & Alloys	Bismuth	BS EN 15079
42	CHEMICAL- METALS & ALLOYS	Copper Base & Alloys	Iron	BS EN 15079
43	CHEMICAL- METALS & ALLOYS	Copper Base & Alloys	Lead	BS EN 15079
44	CHEMICAL- METALS & ALLOYS	Copper Base & Alloys	Manganese	BS EN 15079
45	CHEMICAL- METALS & ALLOYS	Copper Base & Alloys	Nickel	BS EN 15079
46	CHEMICAL- METALS & ALLOYS	Copper Base & Alloys	Phosphorus	BS EN 15079
47	CHEMICAL- METALS & ALLOYS	Copper Base & Alloys	Silicon	BS EN 15079
48	CHEMICAL- METALS & ALLOYS	Copper Base & Alloys	Sulphur	BS EN 15079
49	CHEMICAL- METALS & ALLOYS	Copper Base & Alloys	Tin	BS EN 15079
50	CHEMICAL- METALS & ALLOYS	Copper Base & Alloys	Zinc	BS EN 15079
51	CHEMICAL- METALS & ALLOYS	Nickel Base & Alloys	Aluminium	ASTM E 3047
52	CHEMICAL- METALS & ALLOYS	Nickel Base & Alloys	Boron	ASTM E 3047
53	CHEMICAL- METALS & ALLOYS	Nickel Base & Alloys	Carbon	ASTM E 3047
54	CHEMICAL- METALS & ALLOYS	Nickel Base & Alloys	Chromium	ASTM E 3047
55	CHEMICAL- METALS & ALLOYS	Nickel Base & Alloys	Cobalt	ASTM E 3047
56	CHEMICAL- METALS & ALLOYS	Nickel Base & Alloys	Copper	ASTM E 3047

SCOPE OF ACCREDITATION

Laboratory Name : MATERIAL INSPECTION LABORATORY, UNIT NO. 2 & 4, REGAL INDUSTRIAL ESTATE, GROUND FLOOR, A.D MARG, SEWREE (WEST), MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6708 **Page No** 4 of 13

Validity 24/02/2022 to 23/02/2024 **Last Amended on** 27/03/2022

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	Nickel Base & Alloys	Iron	ASTM E 3047
58	CHEMICAL- METALS & ALLOYS	Nickel Base & Alloys	Manganese	ASTM E 3047
59	CHEMICAL- METALS & ALLOYS	Nickel Base & Alloys	Molybdenum	ASTM E 3047
60	CHEMICAL- METALS & ALLOYS	Nickel Base & Alloys	Nickel	ASTM E 3047
61	CHEMICAL- METALS & ALLOYS	Nickel Base & Alloys	Niobium	ASTM E 3047
62	CHEMICAL- METALS & ALLOYS	Nickel Base & Alloys	Phosphorus	ASTM E 3047
63	CHEMICAL- METALS & ALLOYS	Nickel Base & Alloys	Silicon	ASTM E 3047
64	CHEMICAL- METALS & ALLOYS	Nickel Base & Alloys	Sulphur	ASTM E 3047
65	CHEMICAL- METALS & ALLOYS	Nickel Base & Alloys	Titanium	ASTM E 3047
66	CHEMICAL- METALS & ALLOYS	Nickel Base & Alloys	Tungsten	ASTM E 3047
67	CHEMICAL- METALS & ALLOYS	Nickel Base & Alloys	Vanadium	ASTM E 3047
68	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM E 1086
69	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS 9879
70	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E 1086
71	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 9879
72	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E 1086
73	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	IS 9879
74	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E 1086
75	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS 9879

SCOPE OF ACCREDITATION

Laboratory Name : MATERIAL INSPECTION LABORATORY, UNIT NO. 2 & 4, REGAL INDUSTRIAL ESTATE, GROUND FLOOR, A.D MARG, SEWREE (WEST), MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6708 **Page No** 5 of 13

Validity 24/02/2022 to 23/02/2024 **Last Amended on** 27/03/2022

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	Stainless Steel	Molybdenum	ASTM E 1086
77	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	IS 9879
78	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E 1086
79	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 9879
80	CHEMICAL- METALS & ALLOYS	Stainless Steel	Niobium	JIS G 1253
81	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nitrogen	JIS G 1253
82	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorous	ASTM E 1086
83	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorous	IS 9879
84	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E 1086
85	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	IS 9879
86	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulfur	ASTM E 1086
87	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulfur	IS 9879
88	CHEMICAL- METALS & ALLOYS	Stainless Steel	Titanium	JIS G 1253
89	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper and Copper Alloy Pipe and Tubing	Expansion (Pin Test)	ASTM B153
90	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Material	Bend Test	ASTM A 370
91	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Material	Bend Test	IS 1599
92	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Material	Bend Test of HSD steel Bar	IS 1786

SCOPE OF ACCREDITATION

Laboratory Name : MATERIAL INSPECTION LABORATORY, UNIT NO. 2 & 4, REGAL INDUSTRIAL ESTATE, GROUND FLOOR, A.D MARG, SEWREE (WEST), MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6708 **Page No** 6 of 13

Validity 24/02/2022 to 23/02/2024 **Last Amended on** 27/03/2022

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	Ferrous Material	Brinell Hardness	IS 1500 Part 1
94	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Brinell Hardness	ASTM E 10
95	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Charpy V Notch Impact test (-196 °C to 23 °C)	ASTM E23
96	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Charpy V Notch Impact Test (-196 °C to 23 °C)	ASTM A 370
97	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Charpy V Notch Impact Test (-196 °C to 23 °C)	ISO 148-1
98	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Elongation	ASTM A370
99	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Elongation	DIN EN ISO 6892-1
100	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Elongation	IS 1608 part1
101	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Elongation	IS 1786
102	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Nick Break Test 400kN	API 1104
103	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Proof Stress (0.2%)	ASTM A370
104	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Proof Stress (0.2%)	DIN EN ISO 6892-1
105	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Proof Stress (0.2%)	IS 1608 part1
106	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Proof test (0.2%) of HSD Steel Bar	IS 1786

SCOPE OF ACCREDITATION

Laboratory Name : MATERIAL INSPECTION LABORATORY, UNIT NO. 2 & 4, REGAL INDUSTRIAL ESTATE, GROUND FLOOR, A.D MARG, SEWREE (WEST), MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6708 **Page No** 7 of 13

Validity 24/02/2022 to 23/02/2024 **Last Amended on** 27/03/2022

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	Ferrous Material	Reduction of area	ASTM A370
108	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Reduction of area	DIN EN ISO 6892-1
109	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Reduction of area	IS 1608
110	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Reduction of area	IS 1786
111	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Reverse Bend Test	ASTM A 1016/ 1016M
112	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Reverse Bend test	ASTM A370
113	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Rockwell Hardness	ASTM E 18
114	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Rockwell Hardness	ASTM E 18
115	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Rockwell Hardness	ASTM E 18
116	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Rockwell Hardness	ASTM E 18
117	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Tensile Strength	ASTM A370
118	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Tensile Strength	DIN EN ISO 6892-1
119	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Tensile Strength	IS 1786
120	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Tensile Strength	IS:1608 part1

SCOPE OF ACCREDITATION

Laboratory Name : MATERIAL INSPECTION LABORATORY, UNIT NO. 2 & 4, REGAL INDUSTRIAL ESTATE, GROUND FLOOR, A.D MARG, SEWREE (WEST), MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6708 **Page No** 8 of 13

Validity 24/02/2022 to 23/02/2024 **Last Amended on** 27/03/2022

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
121	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Transverse Tensile Test	API 1104
122	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Yield Strength	ASTM A370
123	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Yield Strength	DIN EN ISO 6892-1
124	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Yield Strength	IS 1608 part1
125	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Yield Strength	IS 1786
126	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material & Non Ferrous Material	Vickers Hardness (HV 10)	ASTM E 92
127	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material & Non Ferrous Material	Vickers Hardness (HV 10)	IS 1501: Part 1
128	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material & Non Ferrous Material	Vickers Hardness (HV 30)	ASTM E 92
129	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material & Non Ferrous Material	Vickers Hardness (HV 30)	IS 1501: Part1
130	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material & Non Ferrous Material	Vickers Hardness (HV 5)	ASTM E 92
131	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material & Non Ferrous Material	Vickers Hardness (HV-5)	IS 1501: Part 1
132	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hex Nut (M6 to M24)	Proof Load Test	IS 1367: Part 6
133	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hex Nut (M6 to M24)	Proof Load Test	ASTM A 194
134	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel bar (TMT Bar)	Mass/ Unit Length	IS 1786

SCOPE OF ACCREDITATION

Laboratory Name : MATERIAL INSPECTION LABORATORY, UNIT NO. 2 & 4, REGAL INDUSTRIAL ESTATE, GROUND FLOOR, A.D MARG, SEWREE (WEST), MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6708 **Page No** 9 of 13

Validity 24/02/2022 to 23/02/2024 **Last Amended on** 27/03/2022

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
135	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel bar (TMT Bar)	Re-bend Test	IS 1786
136	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non- Ferrous Material	Reduction of area	IS 1608 part1
137	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Material	Bend Test	ASTM A370
138	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Material	Bend Test	IS 1599
139	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Material	Brinell Hardness (100 to 300 HBW- 5mm/750kgf) (100 to 600 HBW- 10mm/3000kgf)	IS 1500 Part 1
140	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Material	Brinell Hardness (100 to 300 HBW- 5mm/750kgf) (100 to 600 HBW- 10mm/3000kgf)	ASTM E 10
141	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Material	Charpy V Notch Impact (-101 °C to 23°C)	ASTM E23
142	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Material	Elongation	ASTM B557/B557M
143	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Material	Elongation	ASTM E 8/8M
144	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Material	Elongation	DIN EN ISO 6892-1
145	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Material	Elongation	IS 1608 part1
146	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Material	Proof Stress (0.2%)	ASTM B557/B557M
147	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Material	Proof Stress (0.2%)	ASTM E 8/8 M
148	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Material	Proof Stress (0.2%)	DIN EN ISO 1692-1

SCOPE OF ACCREDITATION

Laboratory Name : MATERIAL INSPECTION LABORATORY, UNIT NO. 2 & 4, REGAL INDUSTRIAL ESTATE, GROUND FLOOR, A.D MARG, SEWREE (WEST), MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6708 **Page No** 10 of 13

Validity 24/02/2022 to 23/02/2024 **Last Amended on** 27/03/2022

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
149	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Material	Proof Stress (0.2%)	IS 1608 part1
150	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Material	Reduction of area	ASTM E 8/8 M
151	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Material	Reduction of area	DIN EN ISO 6892-1
152	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Material	Rockwell Hardness	ASTM E 18
153	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Material	Tensile Strength	ASTM B557/B557M
154	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Material	Tensile Strength	ASTM E 8/8 M
155	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Material	Tensile Strength	DIN EN ISO 6892-1
156	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Material	Tensile Strength	IS 1608 part1
157	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Material	Yield Strength	ASTM E 8/8 M
158	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Material	Yield Strength	DIN EN ISO 6892-1
159	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Material	Yield Strength	IS 1608 part1
160	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pipe & Tubes	Bend Test	ASTM A 370
161	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pipe & Tubes	Bend Test	ASTM A 370
162	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pipe & Tubes	Bend Test	IS 2329

SCOPE OF ACCREDITATION

Laboratory Name : MATERIAL INSPECTION LABORATORY, UNIT NO. 2 & 4, REGAL INDUSTRIAL ESTATE, GROUND FLOOR, A.D MARG, SEWREE (WEST), MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6708 **Page No** 11 of 13

Validity 24/02/2022 to 23/02/2024 **Last Amended on** 27/03/2022

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
163	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pipe & Tubes	Bend Test	IS 2329
164	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pipe & Tubes	Flaring test	ASTM A 370
165	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pipe & Tubes	Flaring Test	ASTM A 370
166	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pipe & Tubes	Flattening Test	IS 2328
167	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pipe & Tubes	Flattening Test	ASTM A 370
168	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pipe & Tubes	Flattening test	IS 2328
169	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pipe & Tubes	Reverse Flattening Test	ASTM A 370
170	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pipe & Tubes	Reverse Flattening test	ASTM A 370
171	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metals	Bend Test	API 1104
172	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metals	Bend Test	IS 7307: Part 1
173	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metals	Bend Test	IS 7310: Part 1
174	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metals	Bend Test : Root, Face and Side Bend	ASME BPVC Sec IX
175	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metals	Fracture Test	ASME BPVC Sec IX
176	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metals	Fracture Test	IS 7307: Part 1

SCOPE OF ACCREDITATION

Laboratory Name : MATERIAL INSPECTION LABORATORY, UNIT NO. 2 & 4, REGAL INDUSTRIAL ESTATE, GROUND FLOOR, A.D MARG, SEWREE (WEST), MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6708 **Page No** 12 of 13

Validity 24/02/2022 to 23/02/2024 **Last Amended on** 27/03/2022

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
177	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metals	Fracture Test	IS 7310: Part 1
178	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metals	Transverse Tensile Strength	ASME BPVC Sec IX
179	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld In Metals	Transverse Tensile Strength	IS 7307:Part 1
180	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld In Metals	Transverse Tensile Strength	IS 7310: Part 1
181	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Pipes	Flattening test	ASTM B 775/ B7/ 5M
182	MECHANICAL-METALLOGRAPHY TEST	Austenitic and Ferritic (duplex) Stainless Steels	IGC Test (Huey Test)	ISO 3651 Part-1
183	MECHANICAL-METALLOGRAPHY TEST	Austenitic and Ferritic (duplex) Stainless Steels	IGC Test: Method- A,B,C Flattening Test for Tube	ISO 3651-2
184	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	Resistance to Intergranular corrosion: IGC Practice - A	ASTM A 262
185	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	Resistance to Intergranular corrosion: IGC Practice –B	ASTM A 262
186	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	Resistance to Intergranular corrosion: IGC Practice –C	ASTM A 262
187	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	Resistance to Intergranular corrosion: IGC Practice –E	ASTM A 262
188	MECHANICAL-METALLOGRAPHY TEST	Carbon, Low Alloy, Austenitic Stainless steel	Estimation of Grain Size (Comparison Method)	ASTM E 112
189	MECHANICAL-METALLOGRAPHY TEST	Duplex Stainless Steel (Ferrite/ Austenite)	Detecting detrimental intermetallic phase Method – A	ASTM A 923
190	MECHANICAL-METALLOGRAPHY TEST	Duplex Stainless Steel (Ferrite/ Austenite)	Detecting detrimental intermetallic phase Method – B	ASTM A 923
191	MECHANICAL-METALLOGRAPHY TEST	Duplex Stainless Steel (Ferrite/ Austenite)	Detecting detrimental intermetallic phase Method – C	ASTM A 923
192	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material	Inclusion Content Test	ASTM E 45- Method A
193	MECHANICAL-METALLOGRAPHY TEST	Ferrous material	Macro Examination	ASTM E340

SCOPE OF ACCREDITATION

Laboratory Name : MATERIAL INSPECTION LABORATORY, UNIT NO. 2 & 4, REGAL INDUSTRIAL ESTATE, GROUND FLOOR, A.D MARG, SEWREE (WEST), MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6708 **Page No** 13 of 13

Validity 24/02/2022 to 23/02/2024 **Last Amended on** 27/03/2022

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
194	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material	Macro Examination	ASTM E381
195	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material	Micro Structure Examination	ASM Handbook Vol-9
196	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material	Volume Fraction of different phases by systematic manual count	ASTM E562
197	MECHANICAL-METALLOGRAPHY TEST	Non-Ferrous Material	Macro Examination	ASTM E340
198	MECHANICAL-METALLOGRAPHY TEST	Non-Ferrous Material	Micro Structure Examination	ASM Handbook Vol-9
199	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel and related alloys	Pitting Corrosion Test	ASTM G48 (Method A)
200	MECHANICAL-METALLOGRAPHY TEST	Steel Casting, Austenitic Alloy	Ferrite Content (by Ferritoscope Method)	ASTM A 799/ A799M
201	MECHANICAL-METALLOGRAPHY TEST	Steel Casting, Austenitic Alloy	Ferrite Content (by Ferritoscope Method)	ASTM A800/ A800M
202	MECHANICAL-METALLOGRAPHY TEST	Wrought, Nickel Rich, Chromium- Bearing Alloys	Susceptibility to Intergranular corrosion- Method A	ASTM G28