National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TESTING LABORATORY, SRI RANGANATHAR INDUSTRIES PRIVATE LIMITED, 12/45, THADAGAM ROAD, EDAYARPALAYAM, COIMBATORE, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7638 **Page No** 1 of 14

Validity 13/01/2023 to 12/01/2025 **Last Amended on** 10/02/2023

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
Permanent Facility				
1	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Silicon	IS 8811
2	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Aluminium	ASTM E415
3	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Aluminium	IS 8811
4	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Antimony	ASTM E415
5	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Antimony	IS 8811
6	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Arsenic	ASTM E415
7	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Arsenic	IS 8811
8	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Boron	ASTM E415
9	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Boron	IS 8811
10	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Carbon	ASTM E415
11	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Carbon	IS 8811
12	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Chromium	ASTM E415
13	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Chromium	IS 8811
14	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Cobalt	ASTM E415
15	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Cobalt	IS 8811
16	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Copper	ASTM E415
17	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Copper	IS 8811
18	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Lead	ASTM E415

SCOPE OF ACCREDITATION

Laboratory Name : TESTING LABORATORY, SRI RANGANATHAR INDUSTRIES PRIVATE LIMITED, 12/45, THADAGAM ROAD, EDAYARPALAYAM, COIMBATORE, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7638 **Page No** 2 of 14

Validity 13/01/2023 to 12/01/2025 **Last Amended on** 10/02/2023

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
19	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Lead	IS 8811
20	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Manganese	ASTM E415
21	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Manganese	IS 8811
22	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Molybdenum	ASTM E415
23	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Molybdenum	IS 8811
24	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Nickel	ASTM E415
25	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Nickel	IS 8811
26	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Niobium	ASTM E415
27	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Niobium	IS 8811
28	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Phosphorus	ASTM E415
29	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Phosphorus	IS 8811
30	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Silicon	ASTM E415
31	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Sulfur	ASTM E415
32	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Sulfur	IS 8811
33	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Tin	ASTM E415
34	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Tin	IS 8811
35	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Titanium	ASTM E415
36	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Titanium	IS 8811
37	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Tungsten	IS 8811

SCOPE OF ACCREDITATION

Laboratory Name : TESTING LABORATORY, SRI RANGANATHAR INDUSTRIES PRIVATE LIMITED, 12/45, THADAGAM ROAD, EDAYARPALAYAM, COIMBATORE, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7638 **Page No** 3 of 14

Validity 13/01/2023 to 12/01/2025 **Last Amended on** 10/02/2023

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
38	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Vanadium	ASTM E415
39	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Vanadium	IS 8811
40	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Aluminium	ASTM E3047
41	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Carbon	ASTM E3047
42	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Carbon	SOP No.SRI/OES/02/WI-96 Issue No.01 August
43	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Chromium	ASTM E3047
44	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Cobalt	ASTM E3047
45	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Copper	ASTM E3047
46	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Iron	ASTM E3047
47	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Magnesium	ASTM E3047
48	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Manganese	ASTM E3047
49	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Manganese	SOP No.SRI/OES/02/WI-96 Issue No.01 August
50	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Molybdenum	ASTM E3047
51	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Niobium	ASTM E3047
52	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Phosphorus	ASTM E3047
53	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Silicon	ASTM E3047
54	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Sulfur	ASTM E3047
55	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Titanium	ASTM E3047
56	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Tungsten	ASTM E3047

SCOPE OF ACCREDITATION

Laboratory Name : TESTING LABORATORY, SRI RANGANATHAR INDUSTRIES PRIVATE LIMITED, 12/45, THADAGAM ROAD, EDAYARPALAYAM, COIMBATORE, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7638 **Page No** 4 of 14

Validity 13/01/2023 to 12/01/2025 **Last Amended on** 10/02/2023

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
57	CHEMICAL- METALS & ALLOYS	Nickel Alloy	Vanadium	ASTM E3047
58	CHEMICAL- METALS & ALLOYS	Stainless steel	Aluminium	IS 9879
59	CHEMICAL- METALS & ALLOYS	Stainless Steel	Boron	IS 9879
60	CHEMICAL- METALS & ALLOYS	Stainless steel	Carbon	ASTM E1086
61	CHEMICAL- METALS & ALLOYS	Stainless steel	Carbon	IS 9879
62	CHEMICAL- METALS & ALLOYS	Stainless steel	Chromium	ASTM E1086
63	CHEMICAL- METALS & ALLOYS	Stainless steel	Chromium	IS 9879
64	CHEMICAL- METALS & ALLOYS	Stainless steel	Cobalt	IS 9879
65	CHEMICAL- METALS & ALLOYS	Stainless steel	Copper	ASTM E1086
66	CHEMICAL- METALS & ALLOYS	Stainless steel	Copper	IS 9879
67	CHEMICAL- METALS & ALLOYS	Stainless steel	Manganese	ASTM E1086
68	CHEMICAL- METALS & ALLOYS	Stainless steel	Manganese	IS 9879
69	CHEMICAL- METALS & ALLOYS	Stainless steel	Molybdenum	ASTM E1086
70	CHEMICAL- METALS & ALLOYS	Stainless steel	Molybdenum	IS 9879
71	CHEMICAL- METALS & ALLOYS	Stainless steel	Nickel	ASTM E1086
72	CHEMICAL- METALS & ALLOYS	Stainless steel	Nickel	IS 9879
73	CHEMICAL- METALS & ALLOYS	Stainless steel	Nickel	SOP No.SRI/OES/01/WI-96 Issue No.01 February
74	CHEMICAL- METALS & ALLOYS	Stainless steel	Niobium	IS 9879
75	CHEMICAL- METALS & ALLOYS	Stainless steel	Nitrogen	IS 9879

SCOPE OF ACCREDITATION

Laboratory Name : TESTING LABORATORY, SRI RANGANATHAR INDUSTRIES PRIVATE LIMITED, 12/45, THADAGAM ROAD, EDAYARPALAYAM, COIMBATORE, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7638 **Page No** 5 of 14

Validity 13/01/2023 to 12/01/2025 **Last Amended on** 10/02/2023

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
76	CHEMICAL- METALS & ALLOYS	Stainless steel	Phosphorus	ASTM E1086
77	CHEMICAL- METALS & ALLOYS	Stainless steel	Phosphorus	IS 9879
78	CHEMICAL- METALS & ALLOYS	Stainless steel	Silicon	ASTM E1086
79	CHEMICAL- METALS & ALLOYS	Stainless steel	Silicon	IS 9879
80	CHEMICAL- METALS & ALLOYS	Stainless steel	Sulfur	ASTM E1086
81	CHEMICAL- METALS & ALLOYS	Stainless steel	Sulfur	IS 9879
82	CHEMICAL- METALS & ALLOYS	Stainless steel	Titanium	IS 9879
83	CHEMICAL- METALS & ALLOYS	Stainless steel	Tungsten	IS 9879
84	CHEMICAL- METALS & ALLOYS	Stainless steel	Vanadium	IS 9879
85	CHEMICAL- METALS & ALLOYS	Stainless Steel	Zirconium	IS 9879
86	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous alloys	% Elongation	ASTM E 8/8M
87	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous alloys	% Elongation	ISO 6892-1
88	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous alloys	% Elongation	JIS Z2241
89	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous alloys	% Reduction Area	ASTM E 8/8M
90	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous alloys	% Reduction Area	ISO 6892 -1
91	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous alloys	% Reduction Area	JIS Z2241

SCOPE OF ACCREDITATION

Laboratory Name : TESTING LABORATORY, SRI RANGANATHAR INDUSTRIES PRIVATE LIMITED, 12/45, THADAGAM ROAD, EDAYARPALAYAM, COIMBATORE, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7638 **Page No** 6 of 14

Validity 13/01/2023 to 12/01/2025 **Last Amended on** 10/02/2023

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
92	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous alloys	0.2% Proof stress	ISO 6892-1
93	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous alloys	0.2% Proof stress	ASTM E 8/8M
94	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous alloys	0.2% Proof stress	JIS Z2241
95	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous alloys	Bend Test	ASME Sec IX (QW 161)
96	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous alloys	Brinell Hardness Test (HBW (10mm/3000Kgf))	ASTM E10
97	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous alloys	Brinell Hardness Test (HBW (10mm/3000Kgf))	IS 1500 (Part 1)
98	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous alloys	Brinell Hardness Test (HBW (10mm/3000Kgf))	ISO 6506-1
99	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous alloys	Impact Test Charpy 'V' notch, Ambient Temperature & sub zero to -196 deg. C	IS 1757 (Part 1)
100	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous alloys	Impact Test Charpy 'V' notch, Ambient Temperature & sub zero to -196 deg. C	ISO 148-1
101	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous alloys	Rockwell Hardness Test ((HRBW/ (1/16"/100Kgf))	ISO 6508-1
102	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous alloys	Rockwell Hardness Test ((HRBW/ (1/16"/100Kgf))	IS 1586 (Part 1)
103	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous alloys	Rockwell Hardness Test ((HRC / (Diamond/150Kgf))	ISO 6508-1
104	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous alloys	Rockwell Hardness Test ((HRC / (Diamond/150Kgf))	IS 1586 (Part 1)
105	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous alloys	Tensile strength	ASTM E8/ 8M

SCOPE OF ACCREDITATION

Laboratory Name :	TESTING LABORATORY, SRI RANGANATHAR INDUSTRIES PRIVATE LIMITED, 12/45, THADAGAM ROAD, EDAYARPALAYAM, COIMBATORE, TAMIL NADU, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7638	**Page No**	7 of 14
Validity	13/01/2023 to 12/01/2025	**Last Amended on**	10/02/2023

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
106	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous alloys	Tensile strength	ISO 6892-1
107	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous alloys	Tensile strength	JIS Z2241
108	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous alloys	Yield Strength	ASTM E8/ 8M
109	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous alloys	Yield Strength	ISO 6892-1
110	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous alloys	Yield Strength	JIS Z2241
111	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Nickel alloys	% Elongation	ISO 6892-1
112	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Nickel alloys	% Elongation	JIS Z2241
113	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Nickel alloys	% Elongation	ASTM E8/ 8M
114	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Nickel alloys	% Reduction Area	ISO 6892-1
115	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Nickel alloys	% Reduction Area	JIS Z2241
116	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Nickel alloys	% Reduction Area	ASTM E8/ 8M
117	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Nickel alloys	0.2% proof stress	ASTM E8/ 8M
118	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Nickel alloys	0.2% proof stress	ISO 6892-1
119	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Nickel alloys	0.2% proof stress	JIS Z2241

SCOPE OF ACCREDITATION

Laboratory Name : TESTING LABORATORY, SRI RANGANATHAR INDUSTRIES PRIVATE LIMITED, 12/45, THADAGAM ROAD, EDAYARPALAYAM, COIMBATORE, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7638 **Page No** 8 of 14

Validity 13/01/2023 to 12/01/2025 **Last Amended on** 10/02/2023

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
120	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Nickel alloys	Bend Test(QW 161)	ASME Sec IX
121	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Nickel alloys	Brinell Hardness Test (HBW (10mm/3000Kgf))	ASTM E10
122	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Nickel alloys	Brinell Hardness Test (HBW (10mm/3000Kgf))	ISO 6506-1
123	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Nickel alloys	Brinell Hardness Test (HBW (10mm/3000Kgf))	ASTM E10
124	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Nickel alloys	Brinell Hardness Test (HBW (10mm/3000Kgf))	IS 1500 (Part 1)
125	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Nickel alloys	Guided Bend Test (4.1.1.1)	ASTM E290
126	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Nickel alloys	Impact Test Charpy 'V' notch, Ambient Temperature & sub zero to -196 deg. C	ISO 148-1
127	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Nickel alloys	Impact Test Charpy 'V' notch, Ambient Temperature & sub zero to -196 deg. C	ASTM E23
128	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Nickel alloys	Impact Test Charpy 'V' notch, Ambient Temperature & sub zero to -196 deg. C	IS 1757 (Part 1)
129	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Nickel alloys	Rockwell Hardness Test ((HRBW/ (1/16"/100Kgf))	ISO 6508-1
130	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Nickel alloys	Rockwell Hardness Test ((HRBW/ (1/16"/100Kgf))	IS 1586 (Part 1)
131	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Nickel alloys	Rockwell Hardness Test ((HRC / (Diamond/150Kgf))	ISO 6508-1
132	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Nickel alloys	Rockwell Hardness Test ((HRC / (Diamond/150Kgf))	IS 1586 (Part 1)
133	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Nickel alloys	Tensile strength	ASTM E8/ 8M

SCOPE OF ACCREDITATION

Laboratory Name :	TESTING LABORATORY, SRI RANGANATHAR INDUSTRIES PRIVATE LIMITED, 12/45, THADAGAM ROAD, EDAYARPALAYAM, COIMBATORE, TAMIL NADU, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7638	**Page No**	9 of 14
Validity	13/01/2023 to 12/01/2025	**Last Amended on**	10/02/2023

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
134	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Nickel alloys	Tensile strength	ISO 6892-1
135	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Nickel alloys	Tensile strength	JIS Z2241
136	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Nickel alloys	Yield Strength	ASTM E8/ 8M
137	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Nickel alloys	Yield Strength	ISO 6892-1
138	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Nickel alloys	Yield Strength	JIS Z2241
139	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Plates bar & Welds	Tensile Strength	ISO 4136
140	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel plate bar & Welds	Impact Test Charpy 'V' notch, Ambient Temperature & sub zero to -196 deg. C	ISO 9016
141	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel plates bar & Welds	% Elongation	ASME SA 370
142	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel plates bar & Welds	% Elongation	ASTM E8/ 8M
143	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel plates bar & Welds	% Elongation	ISO 6892-1
144	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel plates bar & Welds	% Elongation	ASTM A 370
145	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Plates bar & Welds	% Elongation	ISO 4136
146	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel plates bar & Welds	% Reduction Area	ASME SA 370
147	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel plates bar & Welds	% Reduction Area	ASTM E8/ 8M

SCOPE OF ACCREDITATION

Laboratory Name : TESTING LABORATORY, SRI RANGANATHAR INDUSTRIES PRIVATE LIMITED, 12/45, THADAGAM ROAD, EDAYARPALAYAM, COIMBATORE, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7638 **Page No** 10 of 14

Validity 13/01/2023 to 12/01/2025 **Last Amended on** 10/02/2023

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
148	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel plates bar & Welds	% Reduction Area	ISO 6892-1
149	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel plates bar & Welds	% Reduction Area	ASTM A 370
150	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Plates bar & Welds	% Reduction Area	ISO 4136
151	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel plates bar & Welds	0.2% proof stress	ASME SA 370
152	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel plates bar & Welds	0.2% proof stress	ASTM E8/ 8M
153	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel plates bar & Welds	0.2% proof stress	ISO 6892-1
154	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel plates bar & Welds	0.2% proof stress	ASTM A 370
155	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Plates bar & Welds	0.2% proof stress	ISO 4136
156	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Plates bar & Welds	Bend	DIN EN ISO 5173
157	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel plates bar & Welds	Bend Test	ASTM A 370
158	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel plates bar & Welds	Bend Test(QW 161)	ASME Sec IX
159	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel plates bar & Welds	Brinell Hardness Test (HBW (10mm/3000Kgf))	ASTM A 370
160	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel plates bar & Welds	Brinell Hardness Test (HBW (10mm/3000Kgf))	ASTM E10
161	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel plates bar & Welds	Brinell Hardness Test (HBW (10mm/3000Kgf))	ISO 6506-1

SCOPE OF ACCREDITATION

Laboratory Name : TESTING LABORATORY, SRI RANGANATHAR INDUSTRIES PRIVATE LIMITED, 12/45, THADAGAM ROAD, EDAYARPALAYAM, COIMBATORE, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7638 **Page No** 11 of 14

Validity 13/01/2023 to 12/01/2025 **Last Amended on** 10/02/2023

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
162	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel plates bar & Welds	Brinell Hardness Test (HBW (10mm/3000Kgf))	IS 1500 (Part 1)
163	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel plates bar & Welds	Impact Test Charpy 'V' notch, Ambient Temperature & sub zero to -196 deg. C	ASTM A 370
164	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel plates bar & Welds	Impact Test Charpy 'V' notch, Ambient Temperature & sub zero to -196 deg. C	ISO 148-1
165	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel plates bar & Welds	Impact Test Charpy 'V' notch, Ambient Temperature & sub zero to -196 deg. C	IS 1757 (Part 1)
166	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel plates bar & Welds	Rockwell Hardness Test ((HRBW/ (1/16"/100Kgf))	ISO 6508-1
167	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel plates bar & Welds	Rockwell Hardness Test ((HRBW/ (1/16"/100Kgf))	IS 1586 (Part 1)
168	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel plates bar & Welds	Rockwell Hardness Test ((HRC / (Diamond/150Kgf))	ISO 6508-1
169	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel plates bar & Welds	Rockwell Hardness Test ((HRC / (Diamond/150Kgf))	IS 1586 (Part 1)
170	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel plates bar & Welds	Tensile strength	ASTM E8/ 8M
171	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel plates bar & Welds	Tensile strength	ISO 6892-1
172	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel plates bar & Welds	Tensile strength	ASME SA 370
173	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel plates bar & Welds	Tensile strength	ASTM A 370
174	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel plates bar & Welds	Yield Strength	ASTM E8/ 8M
175	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel plates bar & Welds	Yield Strength	ISO 6892-1

SCOPE OF ACCREDITATION

Laboratory Name : TESTING LABORATORY, SRI RANGANATHAR INDUSTRIES PRIVATE LIMITED, 12/45, THADAGAM ROAD, EDAYARPALAYAM, COIMBATORE, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7638 **Page No** 12 of 14

Validity 13/01/2023 to 12/01/2025 **Last Amended on** 10/02/2023

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
176	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel plates bar & Welds	Yield Strength	ASME SA 370
177	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel plates bar & Welds	Yield strength	ASTM A 370
178	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel plates bar & Welds	Yield strength	ISO 4136
179	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel products, alloys	% Elongation	ASME SA370
180	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel products, alloys	% Elongation	ASTM A 370
181	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel products, alloys	% Reduction Area	ASME SA370
182	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel products, alloys	% Reduction Area	ASTM A 370
183	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel products, alloys	0.2% Proof stress	ASME SA370
184	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel products, alloys	0.2% Proof stress	ASTM A 370
185	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel products, alloys	Bend Test	ASTM A 370
186	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel products, alloys	Brinell Hardness Test (HBW (10mm/3000Kgf))	ASTM A 370
187	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel products, alloys	Impact Test Charpy 'V' notch, Ambient Temperature & sub zero to -196 deg. C	ASTM A 370
188	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel products, alloys	Tensile strength	ASME SA 370
189	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel products, alloys	Tensile strength	ASTM A 370

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7638 **Page No** 13 of 14

Validity 13/01/2023 to 12/01/2025 **Last Amended on** 10/02/2023

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
190	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel products, alloys	Yield Strength	ASME SA 370
191	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel products, alloys	Yield strength	ASTM A 370
192	MECHANICAL-METALLOGRAPHY TEST	Corrosion by Mass-Duplex stainless steels	Ferric Chloride Test	(Method 'C') ASTM A 923
193	MECHANICAL-METALLOGRAPHY TEST	Corrosion by Mass-Duplex stainless steels	Pitting Corrosion Test	(Method 'A' & Method 'E') ASTM G 48
194	MECHANICAL-METALLOGRAPHY TEST	Corrosion by Mass-Stainless steels	Inter-Granular corrosion test	(Practice 'B' & Practice 'C') ASTM A 262
195	MECHANICAL-METALLOGRAPHY TEST	Corroson by Mass-Nickel rich Chromium Bearing alloys	Inter-Granular Corrosion Test	(Method 'A') ASTM G 28
196	MECHANICAL-METALLOGRAPHY TEST	Duplex Stainless steels	Inter-granular Corrosion	(Method 'A') ASTM A 923
197	MECHANICAL-METALLOGRAPHY TEST	Ferrous alloys	Macro Examination	ASTM E340
198	MECHANICAL-METALLOGRAPHY TEST	Ferrous alloys	Macro examination at room temperature	ISO 4969
199	MECHANICAL-METALLOGRAPHY TEST	Ferrous alloys	Micro Examination	ASM Handbook Vol. 9 Ed
200	MECHANICAL-METALLOGRAPHY TEST	Nickel alloys	Macro Examination	ASTM E 340
201	MECHANICAL-METALLOGRAPHY TEST	Nickel alloys	Micro Examination	ASM Handbook Volume 9 Ed
202	MECHANICAL-METALLOGRAPHY TEST	Stainless steels	Inter-granular Corrosion	(Practice 'A') ASTM A 262
203	MECHANICAL-METALLOGRAPHY TEST	Stainless steels	Inter-granular Corrosion	Method 'A' EN ISO 3651-2
204	MECHANICAL-METALLOGRAPHY TEST	Stainless steels	Inter-granular Corrosion	Practice 'E'- ASTM A 262
205	MECHANICAL-METALLOGRAPHY TEST	Stainless Steels, Duplex & welded test specimens	Volume fraction of Phase	ASTM E 562
206	MECHANICAL-METALLOGRAPHY TEST	Stainless Steels, Duplex, Welds & welded test specimens	Ferrite content measurement	ASTM A800/A800M
207	MECHANICAL-METALLOGRAPHY TEST	Stainless Steels, Duplex, Welds & welded test specimens	Ferrite content measurement	ASTM A800/A800M

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7638 **Page No** 14 of 14

Validity 13/01/2023 to 12/01/2025 **Last Amended on** 10/02/2023

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
208	MECHANICAL-METALLOGRAPHY TEST	Steel plates bar & Welds	Macro Examination	ASTM E 340
209	MECHANICAL-METALLOGRAPHY TEST	Steel plates bar & Welds	Macro Examination	EN ISO 17639
210	MECHANICAL-METALLOGRAPHY TEST	Steel plates bar & Welds	Macro Examination	ISO 4969
211	MECHANICAL-METALLOGRAPHY TEST	Steel plates bar & Welds	Micro Examination	ASM Handbook Volume 9
212	MECHANICAL-METALLOGRAPHY TEST	Steel plates bar & Welds	Micro Examination	EN ISO 17639
213	MECHANICAL-METALLOGRAPHY TEST	Steels	Grain Size Measurement	(By comparison method) ASTM E 112
214	MECHANICAL-METALLOGRAPHY TEST	Steels	Inclusion Rating	(By comparison method) ASTM E 45