



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

TREATS (TESTING RESEARCH ENGINEERING AND TECHNOLOGICAL SERVICES), 14 RAMANATH PAL ROAD, KIDDERPORE, KOLKATA, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7597

Page No 1 of 34

Validity 21/12/2024 to 20/12/2028

Last Amended on 07/03/2025

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 Testing				
1	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	COPPER & ITS ALLOYS	MERCUROUS NITRATE TEST FOR SURFACE CRACK DETERMINATION	IS 2305
2	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	ZINC COATED IRON AND STEEL ARTICALS	ADHESION TEST	IS:2629 ; Cl. 6.4/ 6.1
3	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	ZINC COATED IRON AND STEEL ARTICALS	UNIFORMITY OF ZINC COATING	ASTM A 239
4	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	ZINC COATED IRON AND STEEL ARTICLES	DETERMINATION OF MASS OF ZINC COATING	IS 6745
5	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	ZINC COATED IRON AND STEEL ARTICLES	DETERMINATION OF MASS OF ZINC COATING	ASTM A 90 M
6	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	ZINC COATED IRON AND STEEL ARTICLES	DETERMINATION OF MASS OF ZINC COATING	BS EN ISO 1460
7	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	ZINC COATED IRON AND STEEL ARTICLES	THICKNESS OF ZINC COATING	IS 6012
8	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	ZINC COATED IRON AND STEEL ARTICLES	UNIFORMITY OF ZINC COATING	IS 2633
9	CHEMICAL- METALS & ALLOYS	Aliminium & Auminium Alloys	Positive Material Identification (Fe, Si, Mn, Ni, Ti, Zn, Cu, Al, Mg, Cr)	ASTM E 1476
10	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	CHROMIUM	ASTM E 1251
11	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	CHROMIUM	IS 504 (PART 8)
12	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	COBALT	ASTM E 1251
13	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	COPPER	ASTM E 1251
14	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	COPPER	IS 504 (PART 3)
15	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	IRON	ASTM E 1251
16	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	IRON	IS 504 (PART 2)



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Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-7597

Page No

2 of 34

Validity

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Last Amended on

07/03/2025

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17	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	LEAD	ASTM E 1251
18	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	LEAD	IS 504 (PART 1)
19	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	MAGNESIUM	ASTM E 1251
20	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	MAGNESIUM	IS:504(Part 6)
21	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	MANGANESE	ASTM E 1251
22	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	NICKEL	ASTM E 1251
23	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	NICKEL	IS: 504 (Part 7)
24	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	SILICON	ASTM E 1251
25	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	SILICON	IS 504 (PART 1)
26	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	TIN	ASTM E 1251
27	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	TIN	IS 504 (PART 9)
28	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	TITANIUM	ASTM E 1251
29	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	VANADIUM	ASTM E 1251
30	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	ZINC	ASTM E 1251
31	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	ZINC	IS 504(PART 4)
32	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOY	MANGANESE	IS 504 (PART 5)
33	CHEMICAL- METALS & ALLOYS	CAST IRON	MAGNESIUM	ASTM E 1999
34	CHEMICAL- METALS & ALLOYS	CAST IRON	CARBON	ASTM E 1999
35	CHEMICAL- METALS & ALLOYS	CAST IRON	CARBON	IS 15338
36	CHEMICAL- METALS & ALLOYS	CAST IRON	CARBON	JIS G 1253



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Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-7597

Page No

3 of 34

Validity

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Last Amended on

07/03/2025

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37	CHEMICAL- METALS & ALLOYS	CAST IRON	CHROMIUM	ASTM E 1999
38	CHEMICAL- METALS & ALLOYS	CAST IRON	CHROMIUM	IS: 15338
39	CHEMICAL- METALS & ALLOYS	CAST IRON	CHROMIUM	JIS G 1253
40	CHEMICAL- METALS & ALLOYS	CAST IRON	COPPER	ASTM E 1999
41	CHEMICAL- METALS & ALLOYS	CAST IRON	COPPER	IS:15338
42	CHEMICAL- METALS & ALLOYS	CAST IRON	COPPER	JIS G 1253
43	CHEMICAL- METALS & ALLOYS	CAST IRON	MAGNESIUM	IS 15338
44	CHEMICAL- METALS & ALLOYS	CAST IRON	MAGNESIUM	JIS G 1253
45	CHEMICAL- METALS & ALLOYS	CAST IRON	MANGANESE	ASTM E 1999
46	CHEMICAL- METALS & ALLOYS	CAST IRON	MANGANESE	IS: 15338
47	CHEMICAL- METALS & ALLOYS	CAST IRON	MANGANESE	JISG 1253
48	CHEMICAL- METALS & ALLOYS	CAST IRON	NICKEL	ASTM E 1999
49	CHEMICAL- METALS & ALLOYS	CAST IRON	NICKEL	IS:15338
50	CHEMICAL- METALS & ALLOYS	CAST IRON	NICKEL	JIS G 1253
51	CHEMICAL- METALS & ALLOYS	CAST IRON	PHOSPHORUS	ASTM E 1999
52	CHEMICAL- METALS & ALLOYS	CAST IRON	PHOSPHORUS	IS: 15338
53	CHEMICAL- METALS & ALLOYS	CAST IRON	PHOSPHORUS	JIS G 1253
54	CHEMICAL- METALS & ALLOYS	CAST IRON	SILICON	ASTM E 1999
55	CHEMICAL- METALS & ALLOYS	CAST IRON	SILICON	IS: 15338
56	CHEMICAL- METALS & ALLOYS	CAST IRON	SILICON	JIS G1253



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

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Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-7597

Page No

4 of 34

Validity

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Last Amended on

07/03/2025

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57	CHEMICAL- METALS & ALLOYS	CAST IRON	SULFUR	IS:15338
58	CHEMICAL- METALS & ALLOYS	CAST IRON	SULPHUR	ASTME 1999
59	CHEMICAL- METALS & ALLOYS	CAST IRON	SULPHUR	JIS G 1253
60	CHEMICAL- METALS & ALLOYS	CAST IRON	VANADIUM	ASTM E 1999
61	CHEMICAL- METALS & ALLOYS	CAST IRON	VANADIUM	IS: 15338
62	CHEMICAL- METALS & ALLOYS	CAST IRON	VANADIUM	JIS G 1253
63	CHEMICAL- METALS & ALLOYS	COPPER AND COPPERBASE ALLOY	TIN	IS 3685
64	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOY	CHROMIUM	BS EN 15079:
65	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	ALUMINIUM	BS EN 15079
66	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	ANTIMONY	BS EN 15079:
67	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	ARSENIC	BS EN 15079
68	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	BISMUTH	BS EN 15079
69	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	CADMIUM	BS EN 15079
70	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	COBALT	BS EN 15079
71	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	IRON	BS EN 15079
72	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	LEAD	BS EN 15079:
73	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	MANGANESE	BS EN 15079:
74	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	NICKEL	BS EN 15079
75	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	PHOSPHORUS	BS EN 15079:
76	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Positive Material Identification (Fe, Pb, Sn, Mn, Ni, Al, Cu)	ASTM E 1476



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Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-7597

Page No

5 of 34

Validity

21/12/2024 to 20/12/2028

Last Amended on

07/03/2025

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77	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	SILICON	BS EN 15079
78	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	SILVER	BS EN 15079
79	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	SULFUR	BS EN 15079
80	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	TIN	BS EN 15079:
81	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	ZINC	BS EN 15079
82	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	ZIRCONIUM	BS EN 15079
83	CHEMICAL- METALS & ALLOYS	COPPER & COPPER BASE ALLOY	IRON	IS:4027 (PART 8)
84	CHEMICAL- METALS & ALLOYS	COPPER & COPPER BASE ALLOY	MANGANESE	IS 3187
85	CHEMICAL- METALS & ALLOYS	COPPER & COPPER BASE ALLOY	TIN	IS: 4027 (PART 5)
86	CHEMICAL- METALS & ALLOYS	COPPER & COPPER BASE ALLOYS	COPPER	IS 440
87	CHEMICAL- METALS & ALLOYS	COPPER & COPPER BASE ALLOYS	LEAD	IS 440
88	CHEMICAL- METALS & ALLOYS	COPPER & COPPER BASE ALLOYS	NICKEL	IS 3685
89	CHEMICAL- METALS & ALLOYS	COPPER & COPPER BASE ALLOYS	PHOSPHORUS	IS 440
90	CHEMICAL- METALS & ALLOYS	COPPER & COPPER BASE ALLOYS	SILICON	IS 3685
91	CHEMICAL- METALS & ALLOYS	COPPER & COPPER BASE ALLOYS	ZINC	IS: 3685
92	CHEMICAL- METALS & ALLOYS	COPPER AND COPPER BASE ALLOY	COPPER	IS 3685
93	CHEMICAL- METALS & ALLOYS	COPPER AND COPPER BASE ALLOY	COPPER	IS 4027(PT-1)
94	CHEMICAL- METALS & ALLOYS	COPPER AND COPPER BASE ALLOY	IRON	IS 3685
95	CHEMICAL- METALS & ALLOYS	COPPER AND COPPER BASE ALLOY	LEAD	IS 4027 (PT-1)
96	CHEMICAL- METALS & ALLOYS	COPPER AND COPPER BASE ALLOY	NICKEL	IS 4027 (PT-5)



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Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-7597

Page No

6 of 34

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97	CHEMICAL- METALS & ALLOYS	COPPER AND COPPERBASE ALLOY	LEAD	IS 3685
98	CHEMICAL- METALS & ALLOYS	COPPER AND COPPERBASE ALLOY	PHOSPHORUS	IS 4027(PT-3)
99	CHEMICAL- METALS & ALLOYS	COPPER AND COPPERBASE ALLOY	SILICON	IS 4027 (PT-10)
100	CHEMICAL- METALS & ALLOYS	COPPER AND COPPERBASE ALLOY	ZINC	IS 4027 (PT-6)
101	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	ALUMINIUM	IS:9879
102	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	ALUMINUM	ASTM E 1086
103	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	ALUMINUM	JIS G 1253
104	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	CARBON	ASTM E 1086
105	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	CARBON	JIS G 1253
106	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	CHROMIUM	ASTM E 1086
107	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	CHROMIUM	JIS G 1253
108	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	COBALT	JIS G 1253
109	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	COPPER	ASTM E 1086
110	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	COPPER	IS:9879
111	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	COPPER	JIS G 1253
112	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	MANGANESE	ASTM E 1086
113	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	MANGANESE	IS:9879
114	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	MANGANESE	JIS G 1253
115	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	MOLYBDENUM	ASTM E 1086
116	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	MOLYBDENUM	IS:9879



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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7597

Page No 7 of 34

Validity 21/12/2024 to 20/12/2028

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117	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	MOLYBDENUM	JIS G 1253
118	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	NICKEL	ASTM E 1086
119	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	NICKEL	IS:9879
120	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	NICKEL	JIS G 1253
121	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	NIObIUM	JIS G 1253
122	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	NITROGEN	JIS G 1253
123	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	PHOSPHORUS	ASTM E 1086
124	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	PHOSPHORUS	IS:9879
125	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	PHOSPHORUS	JIS G 1253
126	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	SILICON	ASTM E 1086
127	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	SILICON	JIS G 1253
128	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	SULFUR	IS:9879
129	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	SULPHUR	ASTM E 1086
130	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	SULPHUR	JIS G 1253
131	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	TIN	JIS G 1253
132	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	TITANIUM	JIS G 1253
133	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	TUNGSTEN	JIS G 1253
134	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	VANADIUM	JIS G 1253
135	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni Steels/Stainless Steel	SILICON	IS:9879
136	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/STAINLESS STEELS	CARBON	IS:9879



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Certificate Number TC-7597

Validity 21/12/2024 to 20/12/2028

Page No 8 of 34

Last Amended on 07/03/2025

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137	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/STAINLESS STEELS	CHROMIUM	IS:9879
138	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/STAINLESS STEELS	NITROGEN	IS 228 (PART 23)
139	CHEMICAL- METALS & ALLOYS	FERRO MANGANESE	CARBON	IS 1559 (SEC III)
140	CHEMICAL- METALS & ALLOYS	FERRO MANGANESE	SULPHUR	IS 1559 (SEC III)
141	CHEMICAL- METALS & ALLOYS	FERRO-MANGANESE	MANGANESE	IS 1559 (SEC IV)
142	CHEMICAL- METALS & ALLOYS	FERRO-MANGANESE	PHOSPHORUS	IS 13938 (PART 3)
143	CHEMICAL- METALS & ALLOYS	FERRO-MANGANESE	SILICON	IS 13938 (PART 1)
144	CHEMICAL- METALS & ALLOYS	FERRO-SILICON	CARBON	IS 1559 (PART 2)
145	CHEMICAL- METALS & ALLOYS	FERRO-SILICON	PHOSPHORUS	IS 1559 (PART 4)
146	CHEMICAL- METALS & ALLOYS	FERRO-SILICON	SILICON	IS 1559 (PART 1)
147	CHEMICAL- METALS & ALLOYS	FERRO-SILICON	SULPHUR	IS 1559 (PART 3)
148	CHEMICAL- METALS & ALLOYS	HIGH ALLOY STEELS	CHROMIUM	ASTM E 1476
149	CHEMICAL- METALS & ALLOYS	HIGH ALLOY STEELS	COBALT	ASTM E1476
150	CHEMICAL- METALS & ALLOYS	HIGH ALLOY STEELS	COPPER	ASTM E 1476
151	CHEMICAL- METALS & ALLOYS	HIGH ALLOY STEELS	MANGANESE	ASTM E 1476
152	CHEMICAL- METALS & ALLOYS	HIGH ALLOY STEELS	MOLYBDENUM	ASTM E 1476
153	CHEMICAL- METALS & ALLOYS	HIGH ALLOY STEELS	NICKEL	ASTM E1476
154	CHEMICAL- METALS & ALLOYS	HIGH ALLOY STEELS	TUNGSTEN	ASTM E 1476
155	CHEMICAL- METALS & ALLOYS	HIGH ALLOY STEELS	VANADIUM	ASTM E 1476
156	CHEMICAL- METALS & ALLOYS	HIGH CARBON FERRO CHROMIUM & CHARGE CHROME	PHOSPHORUS	IS 13452 (PART 7)



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ISO/IEC 17025:2017

Certificate Number

TC-7597

Page No

9 of 34

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157	CHEMICAL- METALS & ALLOYS	HIGH CARBON FERRO-CHROMIUM & CHARGE CHROME	CHROMIUM	IS 13452 (PART 5)
158	CHEMICAL- METALS & ALLOYS	HIGH CARBON FERRO-CHROMIUM & CHARGE CHROGE CHROME	CARBON	IS 1559 (SEC I)
159	CHEMICAL- METALS & ALLOYS	HIGH CARBON FERRO-CHROMIUM & CHARGE-CHROME	SULPHUR	IS 13452(PART 4)
160	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEELS	CHROMIUM	ASTM E 1476
161	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEELS	COPPER	ASTM E 1476
162	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEELS	MANGANESE	ASTM E1476
163	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEELS	MOLYBDENUM	ASTM E 1476
164	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEELS	NICKEL	ASTM E 1476
165	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEELS	NIOBIUM	ASTM E 1476
166	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEELS	TITANIUM	ASTM E 1476
167	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEELS	VANADIUM	ASTM E 1476
168	CHEMICAL- METALS & ALLOYS	LOW CARBOBN FERRO- CHROMIUM	CHROMIUM	IS 13452 (PART 5)
169	CHEMICAL- METALS & ALLOYS	LOW CARBON FERRO CHROMIUM	CARBON	IS 1559 (SEC 1)
170	CHEMICAL- METALS & ALLOYS	LOW CARBON FERRO CHROMIUM	PHOSPHORUS	IS 13452 (PART 7)
171	CHEMICAL- METALS & ALLOYS	LOW CARBON FERRO-CHROMIUM	SULPHUR	IS 13452 (PART 4)
172	CHEMICAL- METALS & ALLOYS	NICKEL & NICKEL ALLOYS	ALUMINUM	ASTM E 3047
173	CHEMICAL- METALS & ALLOYS	NICKEL & NICKEL ALLOYS	CARBON	ASTM E 3047
174	CHEMICAL- METALS & ALLOYS	NICKEL & NICKEL ALLOYS	CHROMIUM	ASTM E 3047
175	CHEMICAL- METALS & ALLOYS	NICKEL & NICKEL ALLOYS	COBALT	ASTM E 3047
176	CHEMICAL- METALS & ALLOYS	NICKEL & NICKEL ALLOYS	COPPER	ASTM E 3047



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

TREATS (TESTING RESEARCH ENGINEERING AND TECHNOLOGICAL SERVICES), 14 RAMANATH PAL ROAD, KIDDERPORE, KOLKATA, WEST BENGAL, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-7597

Page No

10 of 34

Validity

21/12/2024 to 20/12/2028

Last Amended on

07/03/2025

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	CHEMICAL- METALS & ALLOYS	NICKEL & NICKEL ALLOYS	IRON	ASTM E 3047
178	CHEMICAL- METALS & ALLOYS	NICKEL & NICKEL ALLOYS	MANGANESE	ASTM E 3047
179	CHEMICAL- METALS & ALLOYS	NICKEL & NICKEL ALLOYS	MOLYBDENUM	ASTM E 3047
180	CHEMICAL- METALS & ALLOYS	NICKEL & NICKEL ALLOYS	NIOBIUM	ASTM E 3047
181	CHEMICAL- METALS & ALLOYS	NICKEL & NICKEL ALLOYS	PHOSPHOROUS	ASTM E 3047
182	CHEMICAL- METALS & ALLOYS	Nickel & Nickel Alloys	Positive Material Identification (Fe, Co, Ti, Mn, Ni, Mo, Al, Cr, Si)	ASTM E 1476
183	CHEMICAL- METALS & ALLOYS	NICKEL & NICKEL ALLOYS	SILICON	ASTM E 3047
184	CHEMICAL- METALS & ALLOYS	NICKEL & NICKEL ALLOYS	SULFUR	ASTM E 3047
185	CHEMICAL- METALS & ALLOYS	NICKEL & NICKEL ALLOYS	TITANIUM	ASTM E 3047
186	CHEMICAL- METALS & ALLOYS	NICKEL & NICKEL ALLOYS	VANADIUM	ASTM E 3047
187	CHEMICAL- METALS & ALLOYS	PIG IRON, CAST IRON & S.G IRON	CARBON	IS 12308 (PART 11)
188	CHEMICAL- METALS & ALLOYS	PIG IRON, CAST IRON & S.G. IRON	CHROMIUM	IS 12308 (PART 8)
189	CHEMICAL- METALS & ALLOYS	PIG IRON, CAST IRON & S.G. IRON	MANGANESE	IS 12308 (PART 10)
190	CHEMICAL- METALS & ALLOYS	PIG IRON, CAST IRON & S.G. IRON	NICKEL	IS 12308 (PART 7)
191	CHEMICAL- METALS & ALLOYS	PIG IRON, CAST IRON & S.G. IRON	PHOSPHORUS	IS 12308 (PART 5)
192	CHEMICAL- METALS & ALLOYS	PIG IRON, CAST IRON & S.G. IRON	SILICON	IS 12308 (PART 6)
193	CHEMICAL- METALS & ALLOYS	PIG IRON, CAST IRON & S.G. IRON	SULPHUR	IS 12308 (PART 2)
194	CHEMICAL- METALS & ALLOYS	PLAIN CARBIN AND LOW ALLOY STEEL	BORON	ASTM E 415
195	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	ALUMINIUM	ASTM E 415
196	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	SILICON	IS 228 (PART 8)

This is annexure to 'Certificate of Accreditation' and does not require any signature.



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

TREATS (TESTING RESEARCH ENGINEERING AND TECHNOLOGICAL SERVICES), 14 RAMANATH PAL ROAD, KIDDERPORE, KOLKATA, WEST BENGAL, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-7597

Page No

11 of 34

Validity

21/12/2024 to 20/12/2028

Last Amended on

07/03/2025

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
197	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	ALUMINIUM	IS 8811
198	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	ARSENIC	IS 8811
199	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	BORON	IS 8811
200	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	CARBON	IS 8811
201	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	CHROMIUM	IS 228 (PART 6)
202	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	CHROMIUM	IS 8811
203	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	COBALT	IS 8811
204	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	COPPER	IS 228 (PART 15)
205	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	COPPER	IS 8811
206	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	MANGANESE	IS 228 (PART 2)
207	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	MANGANESE	IS 8811
208	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	MOLYBDENUM	IS 8811
209	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	NICKEL	IS 228 (PART 5)
210	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	NICKEL	IS 8811
211	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	NIObIUM	IS 8811
212	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	NITROGEN	IS 228 (PART 23)
213	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	PHOSPHORUS	IS 228 (PART 3)
214	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	PHOSPHORUS	IS 8811
215	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	SILICON	IS 8811
216	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	SULFUR	IS 8811



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

TREATS (TESTING RESEARCH ENGINEERING AND TECHNOLOGICAL SERVICES), 14 RAMANATH PAL ROAD, KIDDERPORE, KOLKATA, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7597

Page No 12 of 34

Validity 21/12/2024 to 20/12/2028

Last Amended on 07/03/2025

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
217	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	SULPHUR	IS 228 (PART 9)
218	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	TIN	IS 8811
219	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	VANADIUM	IS 8811
220	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	CARBON	JIS G 1253
221	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	MOLYBDENUM	ASTM E 415
222	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	ALUMINIUM	JIS G 1253
223	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	ARSENIC	ASTM E 415
224	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	ARSENIC	JIS G 1253
225	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	BORON	JIS G 1253
226	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	CARBON	ASTM E 415
227	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	CARBON	IS:228 (PART 1)
228	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	CHROMIUM	JIS G 1253
229	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	COBALT	ASTM E 415
230	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	COBALT	JIS G 1253
231	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	COPPER	ASTM E 415
232	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	COPPER	JISG 1253
233	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	MANGANESE	ASTM E 415
234	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	MANGANESE	JIS G 1253
235	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	MOLYBDENUM	JIS G 1253
236	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	NICKEL	JIS G 1253



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

TREATS (TESTING RESEARCH ENGINEERING AND TECHNOLOGICAL SERVICES), 14 RAMANATH PAL ROAD, KIDDERPORE, KOLKATA, WEST BENGAL, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-7597

Page No

13 of 34

Validity

21/12/2024 to 20/12/2028

Last Amended on

07/03/2025

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
237	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	NIObIUM	ASTM E 415
238	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	NIObIUM	JIS G 1253
239	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	NITROGEN	JIS G 1253
240	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	PHOSPHORUS	ASTM E 415
241	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	SILICON	ASTM E 415
242	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	SILICON	JIS G 1253
243	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	SULPHUR	JIS G 1253
244	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	TIN	ASTM E 415
245	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	TIN	JIS G 1253
246	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	TITANIUM	JIS G 1253
247	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	TUNGSTEN	JIS G 1253
248	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	VANADIUM	ASTM E 415
249	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	VANADIUM	JIS G 1253
250	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	CHROMIUM	ASTM E 415
251	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW CARBON STEEL	NICKEL	ASTM E 415
252	CHEMICAL- METALS & ALLOYS	PLAIN CARBON STEEL AND LOWALLOY STEEL	PHOSPHORUS	JIS G 1253
253	CHEMICAL- METALS & ALLOYS	PLAIN CARBON STEEL AND LOWALLOY STEEL	SULPHUR	ASTME 415
254	CHEMICAL- METALS & ALLOYS	PURE COPPER	OXYGEN CONTENT	International Copper Development Council Brussels Report No. 85
255	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL & HIGH ALLOY STEEL	CARBON	IS 228 (PT-1)
256	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL & HIGH ALLOY STEEL	CHROMIUM	IS 228 (PT-6)

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National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

TREATS (TESTING RESEARCH ENGINEERING AND TECHNOLOGICAL SERVICES), 14 RAMANATH PAL ROAD, KIDDERPORE, KOLKATA, WEST BENGAL, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-7597

Page No

14 of 34

Validity

21/12/2024 to 20/12/2028

Last Amended on

07/03/2025

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
257	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL & HIGH ALLOY STEEL	COPPER	IS228 (PT-15)
258	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL & HIGH ALLOY STEEL	MANGANESE	IS 228 (PT-2)
259	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL & HIGH ALLOY STEEL	MOLYBDENUM	IS228 (PT-7)
260	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL & HIGH ALLOY STEEL	NICKEL	IS 228 (PT-5)
261	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL & HIGH ALLOY STEEL	PHOSPHORUS	IS 228 (PT-3)
262	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL & HIGH ALLOY STEEL	SILICON	IS 228 (PT-8)
263	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL & HIGH ALLOY STEEL	SULPHUR	IS 228 (PT-9)
264	CHEMICAL- METALS & ALLOYS	STAINLESS STEELS	CHROMIUM	ASTM E1476
265	CHEMICAL- METALS & ALLOYS	STAINLESS STEELS	COPPER	ASTM E1476
266	CHEMICAL- METALS & ALLOYS	STAINLESS STEELS	MANGANESE	ASTM E 1476
267	CHEMICAL- METALS & ALLOYS	STAINLESS STEELS	MOLYBDENUM	ASTM E1476
268	CHEMICAL- METALS & ALLOYS	STAINLESS STEELS	NICKEL	ASTM E 1476
269	CHEMICAL- METALS & ALLOYS	STAINLESS STEELS	NOBIUM	ASTM E 1476
270	CHEMICAL- METALS & ALLOYS	STAINLESS STEELS	TITANIUM	ASTM E 1476
271	CHEMICAL- METALS & ALLOYS	WHITE METAL	ANTIMONY	IS 1409
272	CHEMICAL- METALS & ALLOYS	WHITE METAL	COPPER	IS 1409
273	CHEMICAL- METALS & ALLOYS	WHITE METAL	LEAD	IS 1409
274	CHEMICAL- METALS & ALLOYS	WHITE METAL	TIN	IS 1409
275	CHEMICAL- METALS & ALLOYS	Zinc & Zinc Alloys	Positive Material Identification (Fe, Mn, Ni, Zn, Al, Mg)	ASTM E 1476
276	CHEMICAL- METALS & ALLOYS	ZINC & ZINC- ALLOYS	ALUMINIUM	ISO:3815-1



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TREATS (TESTING RESEARCH ENGINEERING AND TECHNOLOGICAL SERVICES), 14 RAMANATH PAL ROAD, KIDDERPORE, KOLKATA, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7597

Validity 21/12/2024 to 20/12/2028

Page No 15 of 34

Last Amended on 07/03/2025

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
277	CHEMICAL- METALS & ALLOYS	ZINC & ZINC- ALLOYS	ANTIMONY	ISO:3815-1
278	CHEMICAL- METALS & ALLOYS	ZINC & ZINC- ALLOYS	BISMUTH	ISO:3815-1
279	CHEMICAL- METALS & ALLOYS	ZINC & ZINC- ALLOYS	CADMIUM	ISO:3815-1
280	CHEMICAL- METALS & ALLOYS	ZINC & ZINC- ALLOYS	COPPER	ISO:3815-1
281	CHEMICAL- METALS & ALLOYS	Zinc & Zinc- Alloys	IRON	ISO:3815-1
282	CHEMICAL- METALS & ALLOYS	ZINC & ZINC- ALLOYS	LEAD	ISO:3815-1
283	CHEMICAL- METALS & ALLOYS	ZINC & ZINC- ALLOYS	MAGNESIUM	ISO:3815-1
284	CHEMICAL- METALS & ALLOYS	ZINC & ZINC- ALLOYS	MANGANESE	ISO:3815-1
285	CHEMICAL- METALS & ALLOYS	ZINC & ZINC- ALLOYS	NICKEL	ISO:3815-1
286	CHEMICAL- METALS & ALLOYS	ZINC & ZINC- ALLOYS	TIN	ISO:3815-1
287	CHEMICAL- METALS & ALLOYS	ZINC & ZINC- ALLOYS	TITANIUM	ISO:3815-1
288	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Deformed Steel Bars	Re-Bend Test	IS 1786
289	MECHANICAL- MECHANICAL PROPERTIES OF METALS	DEFORMED STEEL BARS	BEND TEST	IS:1599
290	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Deformed Steel Bars	Mass Per Meter Test (Mandrel Dia 8 to 256 mm)	IS 1786
291	MECHANICAL- MECHANICAL PROPERTIES OF METALS	DEFORMED STEEL BARS	TENSILE TEST (YS / 0.2%PS.0.4% PS)	IS 1786
292	MECHANICAL- MECHANICAL PROPERTIES OF METALS	DEFORMED STEEL BARS	TENSILE TEST (%E)	IS 1786
293	MECHANICAL- MECHANICAL PROPERTIES OF METALS	DEFORMED STEEL BARS	TENSILE TEST (TS)	IS:1786



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

TREATS (TESTING RESEARCH ENGINEERING AND TECHNOLOGICAL SERVICES), 14 RAMANATH PAL ROAD, KIDDERPORE, KOLKATA, WEST BENGAL, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-7597

Page No

16 of 34

Validity

21/12/2024 to 20/12/2028

Last Amended on

07/03/2025

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
294	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material and Welded Test Coupon	TENSILE TEST(TS)	ASTM: A370
295	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous spring washer	Permanent Set Test	Gost 6402
296	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Welded Test Coupon	Nick Break Test	API 1104
297	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS & NON FERROUS MATERIALS	BRINELL HARDNESS TEST	ASTM E 10
298	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS & NON FERROUS MATERIALS	BRINELL HARDNESS TEST	ASTM: A370
299	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS & NON FERROUS MATERIALS HARD MATERIALS	MICRO VICKERS HARDNESS TEST HV 0.1, HV0.2,HV0.3, HV0.5, HV1	ASTM E 92
300	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS & NON FERROUS MATERIALS HARD MATERIALS	MICRO VICKERS HARDNESS TEST HV 0.1, HV0.2, HV 0.3,HV0.5, HV1	IS 1501 (PT - 1)
301	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS & NON FERROUS MATERIALS HARD MATERIALS	MICRO VICKERS HARDNESS TEST HV 0.1, HV0.2,HV0.3, HV0.5, HV1	ASTM E 384
302	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS & NON FERROUS MATERIALS HARD MATERIALS	VICKERS HARDNESS TEST	IS:1501(Part I)
303	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS & NON FERROUS TUBES	DRIFT EXPANSION TEST	IS:2335
304	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS & NON FERROUS TUBES	FLATTENING TEST	ASTM A370
305	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS & NON FERROUS TUBES	FLATTENING TEST	IS:2328
306	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS AND NON -FERROUS MATERIALS	COMPRESSIVE STRENGTH	ASTM: E9
307	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material	Bend Test	ASTM E 290



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

TREATS (TESTING RESEARCH ENGINEERING AND TECHNOLOGICAL SERVICES), 14 RAMANATH PAL ROAD, KIDDERPORE, KOLKATA, WEST BENGAL, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-7597

Page No

17 of 34

Validity

21/12/2024 to 20/12/2028

Last Amended on

07/03/2025

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
308	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material	Bend Test	ISO:7438
309	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous material	Charpy Impact Test	IS:1757 Pt 1
310	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material	Charpy Impact Test	ISO 9016
311	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material	Rockwell Hardness Test	ASTM E 18
312	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous material	Rockwell Hardness Test	ASTM E 18
313	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material	Rockwell Hardness Test	ASTM E 18
314	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material	Tensile Test (TS)	ASTM E 8
315	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material	Tensile Test (TS)	ISO:6892-1
316	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material	Tensile Test (% E)	ASTM E8
317	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous material	Tensile Test (% RA),	ASTM E 8
318	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material	Tensile Test(YS, 0.2 % 0.5 % PS)	ASTM E 8
319	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS AND NON FERROUS MATERIAL	VICKERS HARDNESS TEST	ISO:6507-1
320	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material Welded Test Coupon	Tensile Test (TS)	ASME Sec IX
321	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material and Welded Test Coupon	Tensile Test (TS)	IS:1608 (Part 1)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

TREATS (TESTING RESEARCH ENGINEERING AND TECHNOLOGICAL SERVICES), 14 RAMANATH PAL ROAD, KIDDERPORE, KOLKATA, WEST BENGAL, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-7597

Page No

18 of 34

Validity

21/12/2024 to 20/12/2028

Last Amended on

07/03/2025

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
322	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material and Welded Test Coupon	Bend Test	ASTM A 370
323	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material and Welded Test Coupon	Bend Test	IS 1599
324	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous material and welded test coupon	Charpy Impact Test	ASTM E23
325	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material and Welded Test Coupon	Lateral Expansion and % Shear Test	ASTM E 23
326	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous material and welded test coupon	Lateral Expansion and % Shear Test	ISO:148-1
327	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous material and welded test coupon	Rockwell Hardness Test	ASTM A 370
328	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material and welded test coupon	Rockwell Hardness Test	IS:1586 PART 1
329	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material and Welded Test Coupon	Rockwell Hardness Test	ISO:6508-1
330	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS AND NON FERROUS MATERIAL AND WELDED TEST COUPON	Tensile Test (% E)	IS 1608 (PT-1)
331	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material and Welded Test Coupon	Tensile Test (% RA)	CLASS RULE BOOK
332	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS AND NON FERROUS MATERIAL AND WELDED TEST COUPON	Tensile Test ((%E,)	ISO 6892-1
333	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material and Welded Test Coupon	Tensile Test (YS,0.2%, 0.5% PS)	ISO 6892-1
334	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material and Welded Test Coupon	Tensile Test (% E,)	CLASS RULE BOOK
335	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material and Welded Test Coupon	TENSILE TEST (%E)	ISO-6892 -1



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TREATS (TESTING RESEARCH ENGINEERING AND TECHNOLOGICAL SERVICES), 14 RAMANATH PAL ROAD, KIDDERPORE, KOLKATA, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7597

Validity 21/12/2024 to 20/12/2028

Page No 19 of 34

Last Amended on 07/03/2025

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
336	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material and Welded Test Coupon	Tensile Test (%RA)	ISO 6892-1
337	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS AND NON FERROUS MATERIAL AND WELDED TEST COUPON	Tensile Test (RA)	IS 1608 (PT-1)
338	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material and Welded Test Coupon	Tensile Test (TS)	CLASS RULE BOOK
339	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material and Welded Test Coupon	Tensile Test (YS/PS 0.2%, 0.5%,)	CLASS RULE BOOK
340	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS AND NON FERROUS MATERIAL AND WELDED TEST COUPON	Tensile Test(YS, 0.2 % 0.5 % PS)	IS 1608 (PT-1)
341	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material and welded test coupon	Vickers Hardness Test	ASTM E 92
342	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material and Welded Test Coupon (Plate / Tubes)	BEND TEST(Root Bend / Face Bend / Side Bend)	AWS D1.1
343	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material and Welded Test Coupon (Plate / Tubes)	BEND TEST(Root Bend / Face Bend / Side Bend)	CLASS RULE BOOK
344	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material and Welded Test Coupon (Plate / Tubes)	Bend Test (Root Bend/Face Bend /Side Bend)	ASME Sec IX
345	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous material and welded test coupons	BRINELL HARDNESS TEST	ISO-6506-1
346	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous material and welded test coupons	Charpy Impact Test	ISO:148-1
347	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material andWelded Test Coupon	Rockwell Hardness Test	IS:5652 (PART 1)
348	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS AND NON FERROUS MATERIALS	BRINELL HARDNESS TEST	IS 1500(Pt 1)
349	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous tubes	Drift Expansion Test	ISO:8493



National Accreditation Board for Testing and Calibration Laboratories

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7597

Validity 21/12/2024 to 20/12/2028

Page No 20 of 34

Last Amended on 07/03/2025

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
350	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous tubes	Flattening Test	ISO: 8492
351	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous welded test coupon	Bend Test	ASTM E 190
352	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous welded test coupon	Bend Test	ISO 5173
353	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous welded test coupon	Fracture Test	ISO 7310 (Part I)
354	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous welded test coupon	Fracture Test	ISO 9017
355	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous welded test coupon	Tensile Test	ISO 4136
356	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Welded Test coupon/ Material	Visual Examination	ISO 17637
357	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS BOLTS	HEAD SOUNDNESS TEST	IS:1367(PART-3)
358	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Bolts	Head Soundness Test	ISO:898-1
359	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Bolts	Shear Test	IS:12427
360	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Bolts	Shear Test	IS:5242
361	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Bolts	Shear Test	IS:6639
362	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Bend Test	IS:277
363	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material and welded test coupon	Fracture Test	IS 3600 (Pt-8)



National Accreditation Board for Testing and Calibration Laboratories

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Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-7597

Page No

21 of 34

Validity

21/12/2024 to 20/12/2028

Last Amended on

07/03/2025

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
364	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material and Welded Test Coupon	Bend Test (Side Bend)	ISO 5177
365	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material and Welded Test Coupon	BEND TEST(Root Bend / Face Bend / Side Bend)	IACS-UR-W28 CLAUSE 4.2.2.4
366	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material and Welded Test Coupon	Tensile Test (% El)	ASTM A 370
367	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material and Welded Test Coupon	Tensile Test (% RA)	ASTM A 370
368	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material and Welded Test Coupon	TENSILE TEST(Y.S.,0.2% & 0.5% P.S.)	ASTM A 370
369	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS RIVETS	HEAD SOUNDNESS TEST	IS:10102
370	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Spring Washer	Permanent Load Test	AS 1559 (SEC 5.4)
371	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Spring Washer	Permanent Load Test	Gost 6402
372	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Spring Washer	Permanent Set Test	AS 1559 (SEC 5.4)
373	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Spring Washer	Twist Test	AS 1559 (SEC 5.4)
374	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Spring Washer	Twist Test	Gost 6402
375	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Welded Test Coupon	Nick Break Test	IS 2825
376	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Welded Test Coupon	Nick Break Test	IS 3600 (PT-8)
377	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hard Material	Vickers Hardness Test	IS:12783



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

TREATS (TESTING RESEARCH ENGINEERING AND TECHNOLOGICAL SERVICES), 14 RAMANATH PAL ROAD, KIDDERPORE, KOLKATA, WEST BENGAL, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-7597

Page No

22 of 34

Validity

21/12/2024 to 20/12/2028

Last Amended on

07/03/2025

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
378	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METALIC SPRING WASHER	PERMANENT SET TEST	BS:4464
379	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METALIC SPRING WASHER	TEIST TEST	BS 4464
380	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METALIC SPRING WASHERS	TWIST TEST	BS 4464
381	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METALLIC MATERIALS	IZOD IMPACT TEST	IS: 1598
382	MECHANICAL-MECHANICAL PROPERTIES OF METALS	NON-FERROUS TUBES(COPPER)	DOUBLING-OVER TEST	IS:2501
383	MECHANICAL-MECHANICAL PROPERTIES OF METALS	ROLLED STEEL PRODUCTS	WEIGHT/ METER (MASS) SECTIONAL AREA	IS 1730/1732
384	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SINGLE COIL RECTANGULAR SECTION SPRING WASHERS	PERMANENT SET TEST	IS:3063
385	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SINGLE COIL RECTANGULAR SECTION SPRING WASHERS	PERMANENT LOAD TEST	IS 3063
386	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SINGLE COIL RECTANGULAR SECTION SPRING WASHERS	TWIST TEST	IS 3063
387	MECHANICAL-MECHANICAL PROPERTIES OF METALS	STEEL ,STAINLESS STEEL AND WELDED MATERIAL	VOLUME FRACTION BY SYSTEMATIC MANUAL POINT COUNT (FERRITE CONTENT)	ASTM E 562
388	MECHANICAL-MECHANICAL PROPERTIES OF METALS	STEEL ,STAINLESS STEEL AND WELDED MATERIAL	VOLUME FRACTION BY SYSTEMATIC MANUAL POINT COUNT (FERRITE CONTENT)	ASTM A 800
389	MECHANICAL-MECHANICAL PROPERTIES OF METALS	STEEL ,STAINLESS STEEL MATERIAL	VOLUME FRACTION BY SYSTEMATIC MANUAL POINT COUNT (FERRITE CONTENT)	ASTM A 799
390	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Fasteners Bolts / Screw	Tensile, Proof Load, Wedge Load test	AS/NZS/1559
391	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Fasteners Bolts / Screw	Tensile, Proof Load, Wedge Load tests	IS:1367 Pt 3 && PT -14



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TREATS (TESTING RESEARCH ENGINEERING AND TECHNOLOGICAL SERVICES), 14 RAMANATH PAL ROAD, KIDDERPORE, KOLKATA, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7597

Validity 21/12/2024 to 20/12/2028

Page No 23 of 34

Last Amended on 07/03/2025

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
392	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Fasteners Bolts / Screw	Tensile, Proof Load, Wedge Load Tests	ISO:898-1
393	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Fasteners Bolts / Screw /Stud	Tensile, Proof Load, Wedge Load Test	ASTM A 193
394	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Fasteners Bolts/Screw/Stu	Tensile, Proof Load, wedge Load Test	ASTM F 606
395	MECHANICAL-MECHANICAL PROPERTIES OF METALS	STEEL FASTENERS NUTS	PROOF LOAD TEST	ASTM A194 M
396	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Fasteners nuts	PROOF LOAD TEST	IS 1367 (PT- 6)
397	MECHANICAL-MECHANICAL PROPERTIES OF METALS	STEEL FASTENERS NUTS	PROOF LOAD TEST	IS 1367(Part 14)SEC II
398	MECHANICAL-MECHANICAL PROPERTIES OF METALS	STEEL FASTNERS NUTS	PROOF LOAD TEST	AS/NZS:1559
399	MECHANICAL-MECHANICAL PROPERTIES OF METALS	STEEL FASTNERS NUTS	PROOF LOAD TEST	ISO:898-2
400	MECHANICAL-MECHANICAL PROPERTIES OF METALS	STEEL, STAINLESS STEEL AND WELDED MATERIAL	VOLUME FRACTION BY SYSTEMATIC MANUAL POINT COUNT (FERRITE CONTENT)	BS EN ISO 8249
401	MECHANICAL-METALLOGRAPHY TEST	ALUMINUM AND ITS ALLOYS	THICKNESS OF ANODIC COATINGS(MICROSCOPIC METHOD),	IS:5523
402	MECHANICAL-METALLOGRAPHY TEST	AUSTENITIC STAINLESS STEELS	DETECTING SUSCEPTIBILITY TO INTER GRANULAR CORROSION ATTACK - (IGC B & C)	ASTM: A 262 (PRACTICE B & C)
403	MECHANICAL-METALLOGRAPHY TEST	AUSTENITIC STAINLESS STEELS	DETECTING SUSCEPTIBILITY TO INTERGRANULAR CORROSION ATTACK - IGC PRACTICE E	IS 10461 PT-2
404	MECHANICAL-METALLOGRAPHY TEST	AUSTENITIC STAINLESS STEELS	DETECTING SUSCEPTIBILITY TO INTERGRANULAR CORROSION ATTACK - IGC PRACTICE A & E	ASTM A 262 (PRACTICE A & E)
405	MECHANICAL-METALLOGRAPHY TEST	AUSTENITIC STAINLESS STEELS	DETECTING SUSCEPTIBILITY TO INTERGRANULAR CORROSION ATTACK - IGC PRACTICE C.	IS 10461 PT- 1
406	MECHANICAL-METALLOGRAPHY TEST	CAST IRON	MICROSTRUCTURE EXAMINATION	IS:7754

This is annexure to 'Certificate of Accreditation' and does not require any signature.



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Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-7597

Page No

24 of 34

Validity

21/12/2024 to 20/12/2028

Last Amended on

07/03/2025

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407	MECHANICAL-METALLOGRAPHY TEST	DUCTILE IRON	MICROSTRUCTURE EXAMINATION, FOR NODULARITY AND NODULE COUNT TEST	ASTM E 2567
408	MECHANICAL-METALLOGRAPHY TEST	DUPLEX AUSTENITIC/FERRITIC STAINLESS STEEL	DETECTING DETRIMENTAL INTERMETALLIC PHASE	ASTM A 923 (Method A)
409	MECHANICAL-METALLOGRAPHY TEST	DUPLEX AUSTENITIC/FERRITIC STAINLESS STEEL	DETECTING DETRIMENTAL INTERMETALLIC PHASE	ASTM A 923 (Method B)
410	MECHANICAL-METALLOGRAPHY TEST	ELECTROPLATED COATING	TESTING LOCAL THICKNESS BY MICROSCOPIC METHOD	ASTM B487-1985
411	MECHANICAL-METALLOGRAPHY TEST	FERROUS AND NON FERROUS	ESTIMATION OF: a)AVERAGE GRAIN SIZE, b) AUSTENITIC GRAIN SIZE FOR STEEL(COMPARISON METHOD)	IS:4748
412	MECHANICAL-METALLOGRAPHY TEST	FERROUS AND NON FERROUS	ESTIMATION OF: a)AVERAGE GRAIN SIZE, b) AUSTENITIC GRAIN SIZE FOR STEEL(COMPARISON METHOD)	ASTM: E112
413	MECHANICAL-METALLOGRAPHY TEST	FERROUS AND NON FERROUS	TESTING LOCAL THICKNESS BY MICROSCOPIC METHOD ELECTROPLATED COATING	IS 3203
414	MECHANICAL-METALLOGRAPHY TEST	FERROUS AND NON FERROUS MATERIAL AND WELDED TEST COUPON	MACRO EXAMINATION	ASTM E340
415	MECHANICAL-METALLOGRAPHY TEST	FERROUS AND NON FERROUS METAL	ESTIMATION OF: a)AVERAGE GRAIN SIZE, b) AUSTENITIC GRAIN SIZE FOR STEEL(COMPARISON METHOD)	ISO:643
416	MECHANICAL-METALLOGRAPHY TEST	FERROUS AND NON FERROUS METAL	MICROSTRUCTURE EXAMINATION, IN-SITU METALLOGRAPHY- PRODUCTION & EVALUATION OF REPLICAS	ASTM E1351
417	MECHANICAL-METALLOGRAPHY TEST	FERROUS AND NON FERROUS METAL	MICROSTRUCTURE EXAMINATION, IN-SITU METALLOGRAPHY- PRODUCTION & EVALUATION OF REPLICAS	METAL HANDBOOK VOL7, 8th EDITON
418	MECHANICAL-METALLOGRAPHY TEST	Ferrous and Non Ferrous welded test coupons	Macro and Micro examination	ISO:17639
419	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material and welded test coupon	Macro Examination	IS 3600 (PT-9)
420	MECHANICAL-METALLOGRAPHY TEST	IRON AND STEEL PRODUCTS	TESTING LOCAL THICKNESS BY MICROSCOPIC METHOD OF ZINC	IS:1573



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Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-7597

Page No

25 of 34

Validity

21/12/2024 to 20/12/2028

Last Amended on

07/03/2025

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421	MECHANICAL-METALLOGRAPHY TEST	PHOSPHATE COATING ON IRON AND STEEL	DETERMINATION OF MASS OF PHOSPHATE COATING	IS 3618
422	MECHANICAL-METALLOGRAPHY TEST	STAINLESS STEEL AND RELATED ALLOYS	PITTING AND CREVICE COROSION RESISTANCE BY USE OF FERRIC CHLORIDE SOLUTION	ASTM G48
423	MECHANICAL-METALLOGRAPHY TEST	Steel Bar, Bullets Blooms And Forging	Macro Examination	ASTM E 381
424	MECHANICAL-METALLOGRAPHY TEST	STEELS	DETERMINATION OF NON MEALLIC INCLUSION CONTENT BY MICROSCOPIC EXAMINATION	IS: 4163
425	MECHANICAL-METALLOGRAPHY TEST	STEELS	DETERMINATION OF NON-METALLIC INCLUSION CONTENT BY MICROSCOPIC EXAMINATION	ASTM E45:2018a Method A
426	MECHANICAL-METALLOGRAPHY TEST	STEELS	DETERMINATION OF NON-METALLIC INCLUSION CONTENT BY MICROSCOPIC EXAMINATION	ISO 4967
427	MECHANICAL-METALLOGRAPHY TEST	STEELS	MEASUREMENT OF CASE DEPTH (MICROSCOPIC METHOD, MACROSCOPIC AND HARDNESS METHOD)	IS:6416
428	MECHANICAL-METALLOGRAPHY TEST	STEELS	MEASUREMENT OF DEPTH OF DECARBURISATION (MICROSCOPIC METHOD)	IS:6396/2000
429	MECHANICAL-METALLOGRAPHY TEST	STEELS	MEASUREMENT OF DEPTH OF DECARBURISATION BY MICROSCOPIC METHOD	ASTM E1077
430	MECHANICAL-METALLOGRAPHY TEST	TIN COATING ON IRON,STEEL,NICKEL ALLOYS, COPPER AND COPPER ALLOYS	DETERMINATION OF THICKNESS OF TIN COATING BY MASS METHOD	IS 1359
431	MECHANICAL-METALLOGRAPHY TEST	WROUGHT STEEL PRODUCT	MACRO EXAMINATION	IS:11371
432	NON-DESTRUCTIVE-METAL & ALLOYS	CASTINGS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASTM A 609
433	NON-DESTRUCTIVE-METAL & ALLOYS	CASTINGS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	IS:7666
434	NON-DESTRUCTIVE-METAL & ALLOYS	DETECTION OF INTERNAL FLAW	ULTRASONIC FLAW DETECTION BY CONTACT METHOD	ASTM E 2375



National Accreditation Board for Testing and Calibration Laboratories

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7597

Page No 26 of 34

Validity 21/12/2024 to 20/12/2028

Last Amended on 07/03/2025

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435	NON-DESTRUCTIVE-METAL & ALLOYS	DETECTION OF INTERNAL FLAW	ULTRASONIC FLAW DETECTION CONTACT METHOD	IS 3664
436	NON-DESTRUCTIVE-METAL & ALLOYS	DETECTION OF INTERNAL FLAWS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASME SEC V ARTICLE 23 SE 745
437	NON-DESTRUCTIVE-METAL & ALLOYS	EXAMINATION OF CASTING	MAGNETIC PARTICLE INSPECTION yoke , visible technique	EN 1369
438	NON-DESTRUCTIVE-METAL & ALLOYS	EXAMINATION OF CASTINGS AND FORGINGS	MAGNETIC PARTICLE TESTING (YOKE VISIBLE TECHNIQUE)	IS:3703
439	NON-DESTRUCTIVE-METAL & ALLOYS	EXAMINATION OF CASTINGS AND FORGINGS	MAGNETIC PARTICLE TESTING (YOKE - VISIBLE)	ASME SEC V ARTICLE 25 SE 709
440	NON-DESTRUCTIVE-METAL & ALLOYS	EXAMINATION OF CASTINGS AND FORGINGS	MAGNETIC PARTICLE TESTING (YOKE VISIBLE)	ASTM E 709
441	NON-DESTRUCTIVE-METAL & ALLOYS	EXAMINATION OF FORGINGS	Magnetic PARTICLE TESTING (YOKE VISIBLE)	IS:7743
442	NON-DESTRUCTIVE-METAL & ALLOYS	EXAMINATION OF METALS & WELDS	Magnetic PARTICLE TESTING (YOKE VISIBLE TECHNIQUE)	IS:5334
443	NON-DESTRUCTIVE-METAL & ALLOYS	EXAMINATION OF PIPES, TUBES & WELDS	MAGNETIC PARTICLE TESTING (YOKE VISIBLE)	IS:6752
444	NON-DESTRUCTIVE-METAL & ALLOYS	EXAMINATION OF PIPES, TUBES, WELD, CASTING & FORGING	MAGNETIC PARTICLE TESTING (YOKE - VISIBLE)	IS:3703
445	NON-DESTRUCTIVE-METAL & ALLOYS	EXAMINATION OF STEEL FORGING	MAGNETIC PARTICLE TESTING (YOKE TYPE)-VISIBLE	ASTM A275
446	NON-DESTRUCTIVE-METAL & ALLOYS	EXAMINATION OF WELDS	MAGNETIC PARTICLE TESTING (YOKE VISIBLE technique)	ISO 17638
447	NON-DESTRUCTIVE-METAL & ALLOYS	FERRITE OR MARTENSITIC STEEL FORGING	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	BS EN 10228-3
448	NON-DESTRUCTIVE-METAL & ALLOYS	FERROUS AND NON FERROUS MATERIAL	LIQUID PENETRANT TEST BY SOLVENT REMOVAL TYPE (VISIBLE)	ASTM E 165
449	NON-DESTRUCTIVE-METAL & ALLOYS	FERROUS AND NON FERROUS MATERIAL	LIQUID PENETRANT TEST BY SOLVENT REMOVAL TYPE (VISIBLE)	ASTM E1220
450	NON-DESTRUCTIVE-METAL & ALLOYS	FERROUS AND NON FERROUS MATERIAL	LIQUID PENETRANT TEST BY SOLVENT REMOVAL TYPE (VISIBLE)	ASTM E1417
451	NON-DESTRUCTIVE-METAL & ALLOYS	FERROUS AND NON FERROUS MATERIAL	LIQUID PENETRANT TEST BY SOLVENT REMOVAL TYPE (VISIBLE)	ISO 3452-1



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

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Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-7597

Page No

27 of 34

Validity

21/12/2024 to 20/12/2028

Last Amended on

07/03/2025

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
452	NON-DESTRUCTIVE-METAL & ALLOYS	FERROUS AND NON FERROUS MATERIAL AND CASTINGS	VISUAL TESTING	BS EN 19959
453	NON-DESTRUCTIVE-METAL & ALLOYS	FERROUS AND NON FERROUS MATERIAL AND WELDED MATERIAL	VISUAL TESTING OF FUSION WELD	BS EN ISO 13018
454	NON-DESTRUCTIVE-METAL & ALLOYS	FERROUS AND NON FERROUS MATERIAL AND WELDED MATERIAL	VISUAL TESTING OF FUSION WELD	ISO 17637
455	NON-DESTRUCTIVE-METAL & ALLOYS	Ferrous and Nonferrous Material and Welded	Visual Testing	IS 822
456	NON-DESTRUCTIVE-METAL & ALLOYS	FERROUS WELDED PIPE AND TUBLLER PRODUCT	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	IS:7343
457	NON-DESTRUCTIVE-METAL & ALLOYS	FORGINGS	ULTRASONIC FLAW DETECTION BY CONTACT METHOD	IS 11626
458	NON-DESTRUCTIVE-METAL & ALLOYS	FORGINGS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASTM A 388
459	NON-DESTRUCTIVE-METAL & ALLOYS	FORGINGS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	IS 8791
460	NON-DESTRUCTIVE-METAL & ALLOYS	FORGINGS	ULTRASONIC FLAW DETECTION BY " CONTACT METHOD	ASTM A 745
461	NON-DESTRUCTIVE-METAL & ALLOYS	LIQUID PENETRANT TESTING OF MATERIALS	Liquid Penetrant test by Solvent Removable type(Visible)	IS:3658
462	NON-DESTRUCTIVE-METAL & ALLOYS	METALLIC WELDED MATERIAL	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASTM E 164
463	NON-DESTRUCTIVE-METAL & ALLOYS	PIPE AND TUBE PRODUCTS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASTM E 273
464	NON-DESTRUCTIVE-METAL & ALLOYS	PIPE/TUBE PRODUCT	FLAW DETECTION BY A-SCAN CONTACT METHOD	IS 6394:06 RA
465	NON-DESTRUCTIVE-METAL & ALLOYS	PIPES AND TUBES	ULTRASONIC FLAW DETECTION CONTACT METHOD	ASTM E 213
466	NON-DESTRUCTIVE-METAL & ALLOYS	PLATE	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASTM A 435
467	NON-DESTRUCTIVE-METAL & ALLOYS	PLATE	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASTM A578
468	NON-DESTRUCTIVE-METAL & ALLOYS	PLATE	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	EN 10160

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National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TREATS (TESTING RESEARCH ENGINEERING AND TECHNOLOGICAL SERVICES), 14 RAMANATH PAL ROAD, KIDDERPORE, KOLKATA, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7597

Validity 21/12/2024 to 20/12/2028

Page No 28 of 34

Last Amended on 07/03/2025

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469	NON-DESTRUCTIVE-METAL & ALLOYS	PLATE	ULTRASONIC FLAW DETECTION BY CONTACT METHOD	ASTM A577
470	NON-DESTRUCTIVE-METAL & ALLOYS	PLATE	ULTRASONIC FLAW DETECTION BY CONTACT METHOD	IS:4225
471	NON-DESTRUCTIVE-METAL & ALLOYS	PLATES	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	IS:11630
472	NON-DESTRUCTIVE-METAL & ALLOYS	SPHEROIDAL GRAPHITE CAST IRON	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	BS EN 12680 -1
473	NON-DESTRUCTIVE-METAL & ALLOYS	steel welds	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	IS:4260
474	NON-DESTRUCTIVE-METAL & ALLOYS	Structural Welds	Ultrasonic Testing	AWS D 1.6
475	NON-DESTRUCTIVE-METAL & ALLOYS	STRUCTURAL WELDS	ULTRASONIC TESTING	AWS D1.1
476	NON-DESTRUCTIVE-METAL & ALLOYS	THICKNESS MEASUREMENT	FLAW DETECTION BY A-SCAN CONTACT METHOD	ASTM E797
477	NON-DESTRUCTIVE-METAL & ALLOYS	WELD	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	BS EN ISO:17640
478	NON-DESTRUCTIVE-METAL & ALLOYS	Weld	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	IS 4260



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

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Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-7597

Page No

29 of 34

Validity

21/12/2024 to 20/12/2028

Last Amended on

07/03/2025

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Site Testing				
1	CHEMICAL- METALS & ALLOYS	Aluminium & Auminium Alloys	Positive Material Identification (Fe, Si, Mn, Ni, Ti, Zn, Cu, Al, Mg, Cr)	ASTM E 1476
2	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Positive Material Identification (Fe, Pb, Sn, Mn, Ni, Al, Cu)	ASTM E 1476
3	CHEMICAL- METALS & ALLOYS	HIGH ALLOY STEELS	CHROMIUM	ASTM E 1476
4	CHEMICAL- METALS & ALLOYS	HIGH ALLOY STEELS	COBALT	ASTM E1476
5	CHEMICAL- METALS & ALLOYS	HIGH ALLOY STEELS	COPPER	ASTM E 1476
6	CHEMICAL- METALS & ALLOYS	HIGH ALLOY STEELS	MANGANESE	ASTM E 1476
7	CHEMICAL- METALS & ALLOYS	HIGH ALLOY STEELS	MOLYBDENUM	ASTM E 1476
8	CHEMICAL- METALS & ALLOYS	HIGH ALLOY STEELS	NICKEL	ASTM E1476
9	CHEMICAL- METALS & ALLOYS	HIGH ALLOY STEELS	TUNGSTEN	ASTM E 1476
10	CHEMICAL- METALS & ALLOYS	HIGH ALLOY STEELS	VANADIUM	ASTM E 1476
11	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEELS	CHROMIUM	ASTM E 1476
12	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEELS	COPPER	ASTM E 1476
13	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEELS	MANGANESE	ASTM E1476
14	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEELS	MOLYBDENUM	ASTM E 1476
15	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEELS	NICKEL	ASTM E 1476
16	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEELS	NIOBIUM	ASTM E 1476
17	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEELS	TITANIUM	ASTM E 1476
18	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEELS	VANADIUM	ASTM E 1476
19	CHEMICAL- METALS & ALLOYS	Nickel & Nickel Alloys	Positive Material Identification (Fe, Co, Ti, Mn, Ni, Mo, Al, Cr, Si)	ASTM E 1476

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National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

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Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-7597

Page No

30 of 34

Validity

21/12/2024 to 20/12/2028

Last Amended on

07/03/2025

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20	CHEMICAL- METALS & ALLOYS	STAINLESS STEELS	CHROMIUM	ASTM E1476
21	CHEMICAL- METALS & ALLOYS	STAINLESS STEELS	COPPER	ASTM E1476
22	CHEMICAL- METALS & ALLOYS	STAINLESS STEELS	MANGANESE	ASTM E 1476
23	CHEMICAL- METALS & ALLOYS	STAINLESS STEELS	MOLYBDENUM	ASTM E1476
24	CHEMICAL- METALS & ALLOYS	STAINLESS STEELS	NICKEL	ASTM E 1476
25	CHEMICAL- METALS & ALLOYS	STAINLESS STEELS	NOBIUM	ASTM E 1476
26	CHEMICAL- METALS & ALLOYS	STAINLESS STEELS	TITANIUM	ASTM E 1476
27	CHEMICAL- METALS & ALLOYS	Zinc & Zinc Alloys	Positive Material Identification (Fe, Mn, Ni, Zn, Al, Mg)	ASTM E 1476
28	MECHANICAL- MECHANICAL PROPERTIES OF METALS	STEEL ,STAINLESS STEEL AND WELDED MATERIAL	VOLUME FRACTION BY SYSTEMATIC MANUAL POINT COUNT (FERRITE CONTENT)	ASTM E 562
29	MECHANICAL- MECHANICAL PROPERTIES OF METALS	STEEL ,STAINLESS STEEL AND WELDED MATERIAL	VOLUME FRACTION BY SYSTEMATIC MANUAL POINT COUNT (FERRITE CONTENT)	ASTM A 800
30	MECHANICAL- MECHANICAL PROPERTIES OF METALS	STEEL ,STAINLESS STEEL MATERIAL	VOLUME FRACTION BY SYSTEMATIC MANUAL POINT COUNT (FERRITE CONTENT)	ASTM A 799
31	MECHANICAL- METALLOGRAPHY TEST	FERROUS AND NON FERROUS METAL	MICROSTRUCTURE EXAMINATION, IN-SITU METALLOGRAPHY- PRODUCTION & EVALUATION OF REPLICAS	ASTM E1351
32	MECHANICAL- METALLOGRAPHY TEST	FERROUS AND NON FERROUS METAL	MICROSTRUCTURE EXAMINATION, IN-SITU METALLOGRAPHY- PRODUCTION & EVALUATION OF REPLICAS	METAL HANDBOOK VOL7, 8th EDITON
33	NON-DESTRUCTIVE- METAL & ALLOYS	CASTINGS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASTM A 609
34	NON-DESTRUCTIVE- METAL & ALLOYS	CASTINGS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	IS:7666
35	NON-DESTRUCTIVE- METAL & ALLOYS	DETECTION OF INTERNAL FLAW	ULTRASONIC FLAW DETECTION BY CONTACT METHOD	ASTM E 2375



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

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Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-7597

Page No

31 of 34

Validity

21/12/2024 to 20/12/2028

Last Amended on

07/03/2025

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36	NON-DESTRUCTIVE-METAL & ALLOYS	DETECTION OF INTERNAL FLAW	ULTRASONIC FLAW DETECTION CONTACT METHOD	IS 3664
37	NON-DESTRUCTIVE-METAL & ALLOYS	DETECTION OF INTERNAL FLAWS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASME SEC V ARTICLE 23 SE 745
38	NON-DESTRUCTIVE-METAL & ALLOYS	EXAMINATION OF CASTING	MAGNETIC PARTICLE INSPECTION yoke , visible technique	EN 1369
39	NON-DESTRUCTIVE-METAL & ALLOYS	EXAMINATION OF CASTINGS AND FORGINGS	MAGNETIC PARTICLE TESTING (YOKE VISIBLE TECHNIQUE)	IS:3703
40	NON-DESTRUCTIVE-METAL & ALLOYS	EXAMINATION OF CASTINGS AND FORGINGS	MAGNETIC PARTICLE TESTING (YOKE - VISIBLE)	ASME SEC V ARTICLE 25 SE 709
41	NON-DESTRUCTIVE-METAL & ALLOYS	EXAMINATION OF CASTINGS AND FORGINGS	MAGNETIC PARTICLE TESTING (YOKE VISIBLE)	ASTM E 709
42	NON-DESTRUCTIVE-METAL & ALLOYS	EXAMINATION OF FORGINGS	Magnetic PARTICLE TESTING (YOKE VISIBLE)	IS:7743
43	NON-DESTRUCTIVE-METAL & ALLOYS	EXAMINATION OF METALS & WELDS	Magnetic PARTICLE TESTING (YOKE VISIBLE TECHNIQUE)	IS:5334
44	NON-DESTRUCTIVE-METAL & ALLOYS	EXAMINATION OF PIPES, TUBES & WELDS	MAGNETIC PARTICLE TESTING (YOKE VISIBLE)	IS:6752
45	NON-DESTRUCTIVE-METAL & ALLOYS	EXAMINATION OF PIPES, TUBES, WELD, CASTING & FORGING	MAGNETIC PARTICLE TESTING (YOKE - VISIBLE)	IS:3703
46	NON-DESTRUCTIVE-METAL & ALLOYS	EXAMINATION OF STEEL FORGING	MAGNETIC PARTIAL TESTING (YOKE TYPE)-VISIBLE	ASTM A275
47	NON-DESTRUCTIVE-METAL & ALLOYS	EXAMINATION OF WELDS	MAGNETIC PARTICLE TESTING (YOKE VISIBLE technique)	ISO 17638
48	NON-DESTRUCTIVE-METAL & ALLOYS	FERRITE OR MARTENSITIC STEEL FORGING	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	BS EN 10228-3
49	NON-DESTRUCTIVE-METAL & ALLOYS	FERROUS AND NON FERROUS MATERIAL	LIQUID PENETRANT TEST BY SOLVENT REMOVAL TYPE (VISIBLE)	ASTM E 165
50	NON-DESTRUCTIVE-METAL & ALLOYS	FERROUS AND NON FERROUS MATERIAL	LIQUID PENETRANT TEST BY SOLVENT REMOVAL TYPE (VISIBLE)	ASTM E1220
51	NON-DESTRUCTIVE-METAL & ALLOYS	FERROUS AND NON FERROUS MATERIAL	LIQUID PENETRANT TEST BY SOLVENT REMOVAL TYPE (VISIBLE)	ASTM E1417
52	NON-DESTRUCTIVE-METAL & ALLOYS	FERROUS AND NON FERROUS MATERIAL	LIQUID PENETRANT TEST BY SOLVENT REMOVAL TYPE (VISIBLE)	ISO 3452-1



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

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Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-7597

Page No

32 of 34

Validity

21/12/2024 to 20/12/2028

Last Amended on

07/03/2025

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53	NON-DESTRUCTIVE-METAL & ALLOYS	FERROUS AND NON FERROUS MATERIAL AND CASTINGS	VISUAL TESTING	BS EN 19959
54	NON-DESTRUCTIVE-METAL & ALLOYS	FERROUS AND NON FERROUS MATERIAL AND WELDED MATERIAL	VISUAL TESTING OF FUSION WELD	BS EN ISO 13018
55	NON-DESTRUCTIVE-METAL & ALLOYS	FERROUS AND NON FERROUS MATERIAL AND WELDED MATERIAL	VISUAL TESTING OF FUSION WELD	ISO 17637
56	NON-DESTRUCTIVE-METAL & ALLOYS	Ferrous and Nonferrous Material and Welded	Visual Testing	IS 822
57	NON-DESTRUCTIVE-METAL & ALLOYS	FERROUS WELDED PIPE AND TUBLLER PRODUCT	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	IS:7343
58	NON-DESTRUCTIVE-METAL & ALLOYS	FORGINGS	ULTRASONIC FLAW DETECTION BY CONTACT METHOD	IS 11626
59	NON-DESTRUCTIVE-METAL & ALLOYS	FORGINGS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASTM A 388
60	NON-DESTRUCTIVE-METAL & ALLOYS	FORGINGS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	IS 8791
61	NON-DESTRUCTIVE-METAL & ALLOYS	FORGINGS	ULTRASONIC FLAW DETECTION BY " CONTACT METHOD	ASTM A 745
62	NON-DESTRUCTIVE-METAL & ALLOYS	LIQUID PENETRANT TESTING OF MATERIALS	Liquid Penetrant test by Solvent Removable type(Visible)	IS:3658
63	NON-DESTRUCTIVE-METAL & ALLOYS	METALLIC WELDED MATERIAL	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASTM E 164
64	NON-DESTRUCTIVE-METAL & ALLOYS	PIPE AND TUBE PRODUCTS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASTM E 273
65	NON-DESTRUCTIVE-METAL & ALLOYS	PIPE/TUBE PRODUCT	FLAW DETECTION BY A-SCAN CONTACT METHOD	IS 6394:06 RA
66	NON-DESTRUCTIVE-METAL & ALLOYS	PIPES AND TUBES	ULTRASONIC FLAW DETECTION CONTACT METHOD	ASTM E 213
67	NON-DESTRUCTIVE-METAL & ALLOYS	PLATE	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASTM A 435
68	NON-DESTRUCTIVE-METAL & ALLOYS	PLATE	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASTM A578
69	NON-DESTRUCTIVE-METAL & ALLOYS	PLATE	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	EN 10160

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Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-7597

Page No

33 of 34

Validity

21/12/2024 to 20/12/2028

Last Amended on

07/03/2025

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70	NON-DESTRUCTIVE-METAL & ALLOYS	PLATE	ULTRASONIC FLAW DETECTION BY CONTACT METHOD	ASTM A577
71	NON-DESTRUCTIVE-METAL & ALLOYS	PLATE	ULTRASONIC FLAW DETECTION BY CONTACT METHOD	IS:4225
72	NON-DESTRUCTIVE-METAL & ALLOYS	PLATES	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	IS:11630
73	NON-DESTRUCTIVE-METAL & ALLOYS	SPHEROIDAL GRAPHITE CAST IRON	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	BS EN 12680 -1
74	NON-DESTRUCTIVE-METAL & ALLOYS	steel welds	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	IS:4260
75	NON-DESTRUCTIVE-METAL & ALLOYS	STRUCTURAL WELDING FOR STEEL	RADIOGRAPHY TESTING BY X-RAY & GAMMA RAY (Ir-192)	AWS D1.1
76	NON-DESTRUCTIVE-METAL & ALLOYS	Structural Welds	Radiography Testing	AWS D 1.6
77	NON-DESTRUCTIVE-METAL & ALLOYS	Structural Welds	Ultrasonic Testing	AWS D 1.6
78	NON-DESTRUCTIVE-METAL & ALLOYS	STRUCTURAL WELDS	ULTRASONIC TESTING	AWS D1.1
79	NON-DESTRUCTIVE-METAL & ALLOYS	THICKNESS MEASUREMENT	FLAW DETECTION BY A-SCAN CONTACT METHOD	ASTM E797
80	NON-DESTRUCTIVE-METAL & ALLOYS	WELD	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	BS EN ISO:17640
81	NON-DESTRUCTIVE-METAL & ALLOYS	Weld	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	IS 4260
82	NON-DESTRUCTIVE-METAL & ALLOYS	WELDED PLATE (FERROUS)	RADIOGRAPHY TESTING BY X-RAY & GAMMA RAY (Ir-192)	IS:1182
83	NON-DESTRUCTIVE-METAL & ALLOYS	WELDED STEEL PIPE (BUTT JOINT)	RADIOGRAPHY TESTING BY X-RAY & GAMMA RAY (Ir-192)	IS:4853
84	NON-DESTRUCTIVE-METAL & ALLOYS	WELDMENTS AND METALIC FORGNGS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTING BY X-RAY & GAMMA RAY (Ir-192)	IS:2595
85	NON-DESTRUCTIVE-METAL & ALLOYS	WELDMENTS AND METALIC CASTING (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTING BY X-RAY & GAMMA RAY (Ir-192)	ASTM E1030
86	NON-DESTRUCTIVE-METAL & ALLOYS	WELDMENTS AND METALIC CASTING / FORGNGS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTING BY X RAY	ASTM E 1032
87	NON-DESTRUCTIVE-METAL & ALLOYS	WELDMENTS AND METALIC CASTING / FORGNGS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTING BY X-RAY & GAMMA RAY (Ir-192)	ASME SEC V ARTICLE 2



National Accreditation Board for Testing and Calibration Laboratories

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Validity 21/12/2024 to 20/12/2028

Page No 34 of 34

Last Amended on 07/03/2025

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88	NON-DESTRUCTIVE-METAL & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNGS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (Ir-192)	ASTM E 94
89	NON-DESTRUCTIVE-METAL & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNGS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (Ir-192)	ISO:17636 PT 1