SCOPE OF ACCREDITATION

Laboratory Name :	TII TECHNO TESTING SERVICES PVT LTD, 238/16, AATHANACHERI VILLAGE, PADAPPAI, CHENNAI, KANCHIPURAM, TAMIL NADU, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-6618
Page No	1 of 34
Validity	22/08/2021 to 21/08/2023
Last Amended on	26/01/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- CORROSION TESTS	Copper , Nickel , Chromium Coatings on steel , Zinc Alloys, Aluminium Alloys & Plastics and on Aluminium anodized samples	Copper Accelerated Acetic Acid Salt Spray Test (CASS Test)	ASTM B368
2	CHEMICAL- CORROSION TESTS	Copper , Nickel , Chromium Coatings on steel , Zinc Alloys, Aluminum Alloys & Plastics and on Aluminum anodized samples	Copper Accelerated Acetic Acid Salt Spray Test (CASS Test)	ISO 9227
3	CHEMICAL- CORROSION TESTS	Copper Base Alloy	Mercurous Nitrate Test Procedure-A*	ASTM B154
4	CHEMICAL- CORROSION TESTS	Copper Base Alloy	Mercurous Nitrate Test Procedure-A*	IS 2305
5	CHEMICAL- CORROSION TESTS	Duplex Stainless Steel	Ferric Chloride Corrosion test-Method C	ASTM A923
6	CHEMICAL- CORROSION TESTS	Duplex Stainless Steel	Intermetallic corrosion Test-Method A	ASTM A923
7	CHEMICAL- CORROSION TESTS	Ferrite stainless steel, wrought ,cast products	Intergranular Corrosion test of stainless steel	ISO 3651 pt-2
8	CHEMICAL- CORROSION TESTS	Ferritic Stainless Steel , Wrought , Cast Products	Intergranular Corrosion Test - Practice W , Practice Z	ASTM A763
9	CHEMICAL- CORROSION TESTS	Ferrous and non ferrous material (inorganic and organic plated painted) materials	Neutral Salt Spray Testing	ISO 9227
10	CHEMICAL- CORROSION TESTS	Ferrous and non ferrous material (inorganic and organic plated painted) materials	Neutral Salt Spray Testing	ASTM B117
11	CHEMICAL- CORROSION TESTS	Ferrous and non ferrous material (inorganic and organic plated painted) materials	Neutral Salt Spray Testing	JIS Z2371
12	CHEMICAL- CORROSION TESTS	Ferrous and non ferrous material (Inorganic and organic coatings	Acetic Acid Salt Spray Test (ASS TEST)	ISO 9227
13	CHEMICAL- CORROSION TESTS	Ferrous and non ferrous material (Inorganic and organic coatings)	Acetic Acid Salt Spray Test (ASS TEST)	ASTM G 85
14	CHEMICAL- CORROSION TESTS	Stainless Steel , Duplex Stainless Steel	Crevice Corrosion Test - Method B	ASTM G48
15	CHEMICAL- CORROSION TESTS	Stainless Steel , Duplex Stainless Steel	Pitting Corrosion Test - Method A	ASTM G48
16	CHEMICAL- CORROSION TESTS	Stainless Steel , Wrought , Cast Product	Intergranular Corrosion Test - Practice B	ASTM A262
17	CHEMICAL- CORROSION TESTS	Stainless Steel , Wrought , Cast Product	Intergranular Corrosion Test - Practice E	ASTM A262

SCOPE OF ACCREDITATION

Laboratory Name :	TII TECHNO TESTING SERVICES PVT LTD, 238/16, AATHANACHERI VILLAGE, PADAPPAI, CHENNAI, KANCHIPURAM, TAMIL NADU, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6618	**Page No**	2 of 34
Validity	22/08/2021 to 21/08/2023	**Last Amended on**	26/01/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
18	CHEMICAL- CORROSION TESTS	Stainless Steel , Wrought , Cast Products	Intergranular Corrosion Test - Practice A	ASTM A 262
19	CHEMICAL- CORROSION TESTS	Stainless steel and Duplex stainless steel	Critical pitting corrosion test method-E*	ASTM G 48
20	CHEMICAL- CORROSION TESTS	Stainless steel wrought /cast products	Intergranular corrosion test-Practice-F	ASTM A 262
21	CHEMICAL- CORROSION TESTS	Stainless steel wrought/cast products	Intergranular corrosion test-Practice -C*	ASTM A262
22	CHEMICAL- CORROSION TESTS	Steel Pipes and Pressure vessel plates	Test for Resistance to Hydrogen Induced Cracking (HIC)	NACE TM 0284
23	CHEMICAL- CORROSION TESTS	Wrought Nickel Rich Chromium Bearing alloys	Intergranular Corrosion Test - Method A	ASTM G28
24	CHEMICAL- CORROSION TESTS	Zn coating on Ferrous Alloys	Mass of Zn coating	ASTM A90/90M
25	CHEMICAL- CORROSION TESTS	Zn coating on Ferrous Alloys	Mass of Zn coating	IS6745
26	CHEMICAL- METALS & ALLOYS	Aluminium Base	Beryllium	ASTM E1251 OES METHOD:
27	CHEMICAL- METALS & ALLOYS	Aluminium Base	Cadmium	ASTM E1251 OES METHOD:
28	CHEMICAL- METALS & ALLOYS	Aluminium Base	Magnesium	ASTM E1251 OES METHOD:
29	CHEMICAL- METALS & ALLOYS	Aluminium Base	Silicon	ASTM E1251 OES METHOD
30	CHEMICAL- METALS & ALLOYS	Free Cutting Steel	Carbon	TII-OES-FC-03/15 Optical Emssion spectrometer
31	CHEMICAL- METALS & ALLOYS	Nickel Base	Titanium	TSPL/NI/2021 Optical Emssion spectrometer
32	CHEMICAL- METALS & ALLOYS	-Aluminium Base	Copper	ASTM E1251 OES METHOD
33	CHEMICAL- METALS & ALLOYS	Aluminium Base	Bismuth	ASTM E1251 OES METHOD:
34	CHEMICAL- METALS & ALLOYS	Aluminium Base	Cobalt	ASTM E1251 OES METHOD
35	CHEMICAL- METALS & ALLOYS	Aluminium Base	Lead	ASTM E1251 OES METHOD

SCOPE OF ACCREDITATION

Laboratory Name : TII TECHNO TESTING SERVICES PVT LTD, 238/16, AATHANACHERI VILLAGE, PADAPPAI, CHENNAI, KANCHIPURAM, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6618 **Page No** 3 of 34

Validity 22/08/2021 to 21/08/2023 **Last Amended on** 26/01/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
36	CHEMICAL- METALS & ALLOYS	Aluminium Base	Nickel	ASTM E1251 OES METHOD
37	CHEMICAL- METALS & ALLOYS	Aluminium Base	Tin	ASTM E1251 OES METHOD
38	CHEMICAL- METALS & ALLOYS	Aluminium Base	Zirconium	ASTM E1251 OES METHOD
39	CHEMICAL- METALS & ALLOYS	Carbon Steel	Carbon	IS 228 Part - I WET METHOD
40	CHEMICAL- METALS & ALLOYS	Carbon Steel	Phosphorus	ASTM E350 WET METHOD
41	CHEMICAL- METALS & ALLOYS	Carbon Steel	Silicon	IS 228 Part - 8 WET METHOD
42	CHEMICAL- METALS & ALLOYS	Carbon Steel	Sulphur	IS 228 Part - 9 WET METHOD
43	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	ASTM E1999 OES METHOD
44	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus	ASTM E1999 OES METHOD
45	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulfur	ASTM E1999 OES METHOD
46	CHEMICAL- METALS & ALLOYS	Cast Iron , SG Iron	Phosphorus	ASTM E351 WET METHOD
47	CHEMICAL- METALS & ALLOYS	Cast Iron , SG Iron	Silicon	IS 12308 Part - 6 WET METHOD
48	CHEMICAL- METALS & ALLOYS	Copper Base	Magnesium	TII/CU/2021
49	CHEMICAL- METALS & ALLOYS	Copper Base	Phosphorus	TII/CU/2021
50	CHEMICAL- METALS & ALLOYS	Copper Base	Zinc	TII/CU/2021
51	CHEMICAL- METALS & ALLOYS	Free Cutting Steel	lead	TII-OES-FC-03/15 Optical Emssion spectrometer
52	CHEMICAL- METALS & ALLOYS	Free Cutting Steel	Molybdenum	TII-OES-FC-03/15 OES METHOD
53	CHEMICAL- METALS & ALLOYS	Free Cutting Steel	Sulphur	TII-OES-FC-03/15 Optical Emssion spectrometer
54	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Aluminium	IS 8811 OES METHOD

SCOPE OF ACCREDITATION

Laboratory Name :	TII TECHNO TESTING SERVICES PVT LTD, 238/16, AATHANACHERI VILLAGE, PADAPPAI, CHENNAI, KANCHIPURAM, TAMIL NADU, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6618	**Page No**	4 of 34
Validity	22/08/2021 to 21/08/2023	**Last Amended on**	26/01/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
55	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Carbon	IS 8811 OES METHOD
56	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Molybdenum	IS 8811 OES METHOD
57	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nickel	IS 8811 OES METHOD
58	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Silicon	IS 8811 OES METHOD
59	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Tin	IS 8811 OES METHOD
60	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Vanadium	IS8811 OES METHOD
61	CHEMICAL- METALS & ALLOYS	Nickel Base	Carbon	TSPL/NI/2021 Optical Emssion spectrometer
62	CHEMICAL- METALS & ALLOYS	Nickel Base	Chromium	TSPL/NI/2021 Optical Emssion spectrometer
63	CHEMICAL- METALS & ALLOYS	Nickel Base	Cobalt	TSPL/NI/2021 Optical Emssion spectrometer
64	CHEMICAL- METALS & ALLOYS	Nickel Base	Manganese	TSPL/NI/2021 Optical Emssion spectrometer
65	CHEMICAL- METALS & ALLOYS	Nickel Base	Phosphorus	TSPL/NI/2021 Optical Emssion spectrometer
66	CHEMICAL- METALS & ALLOYS	Nickel Base	Sulphur	TSPL/NI/2021 Optical Emssion spectrometer
67	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM E1086 OES METHOD
68	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS 228 Part - 1 WET METHOD
69	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS9879 , OES METHOD:
70	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E353 WET METHOD
71	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS 228 Part - 12 WET METHOD
72	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E1086 OES METHOD:
73	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nitrogen	TSPL/SS/2021 Issue No:1 Dt1.7.21

SCOPE OF ACCREDITATION

Laboratory Name : TII TECHNO TESTING SERVICES PVT LTD, 238/16, AATHANACHERI VILLAGE, PADAPPAI, CHENNAI, KANCHIPURAM, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6618 **Page No** 5 of 34

Validity 22/08/2021 to 21/08/2023 **Last Amended on** 26/01/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
74	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorous	ASTM E1086 OES METHOD:
75	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	IS 228 Part - 3 WET METHOD
76	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	TSPL/WET/SS/2021
77	CHEMICAL- METALS & ALLOYS	Tool Steel	Chromium	TII-OES-T-01/13 Optical Emission Spectrometer
78	CHEMICAL- METALS & ALLOYS	Tool Steel	Manganese	TII-OES-T-01/13 Optical Emission Spectrometer
79	CHEMICAL- METALS & ALLOYS	Tool Steel	Phosphorus	TII-OES-T-01/13 Optical Emission Spectrometer
80	CHEMICAL- METALS & ALLOYS	Tool Steel	Sulphur	TII-OES-T-01/13 Optical Emission Spectrometer
81	CHEMICAL- METALS & ALLOYS	- Copper Base	Silicon	TII/CU/2021
82	CHEMICAL- METALS & ALLOYS	- Nickel Base	Aluminium	TSPL/NI/2021 Optical Emssion spectrometer
83	CHEMICAL- METALS & ALLOYS	- Stainless Steel	Silicon	IS 228 Part - 8 WET METHOD
84	CHEMICAL- METALS & ALLOYS	Aluminium Base	Antimony	ASTM E1251 OES METHOD
85	CHEMICAL- METALS & ALLOYS	Aluminium Base	Chromium	ASTM E1251 OES METHOD
86	CHEMICAL- METALS & ALLOYS	Aluminium Base	Iron	ASTM E1251 OES METHOD
87	CHEMICAL- METALS & ALLOYS	Aluminium Base	Manganese	ASTM E1251 OES METHOD
88	CHEMICAL- METALS & ALLOYS	Aluminium Base	Titanium	ASTM E1251 OES MEHTOD:
89	CHEMICAL- METALS & ALLOYS	Aluminium Base	Vanadium	ASTM E1251 OES METHOD:
90	CHEMICAL- METALS & ALLOYS	Aluminium Base	Zinc	ASTM E1251 OES METHOD:
91	CHEMICAL- METALS & ALLOYS	Aluminium base alloy	Cadmium	ASTM E1916 POES :
92	CHEMICAL- METALS & ALLOYS	Aluminium base alloy	Chromium	ASTM E1916 POES AND XRF METHOD:

SCOPE OF ACCREDITATION

Laboratory Name :	TII TECHNO TESTING SERVICES PVT LTD, 238/16, AATHANACHERI VILLAGE, PADAPPAI, CHENNAI, KANCHIPURAM, TAMIL NADU, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6618	**Page No**	6 of 34
Validity	22/08/2021 to 21/08/2023	**Last Amended on**	26/01/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
93	CHEMICAL- METALS & ALLOYS	Aluminium base alloy	Titanium	ASTM E1916 POES :
94	CHEMICAL- METALS & ALLOYS	Aluminium base alloy	Vanadium	ASTM E1916 POES:
95	CHEMICAL- METALS & ALLOYS	Aluminium based alloy	Cobalt	ASTM E1916 POES AND XRF METHOD
96	CHEMICAL- METALS & ALLOYS	Aluminum base alloy	Chromium	ASTM E1916 XRF METHOD:
97	CHEMICAL- METALS & ALLOYS	Aluminum base alloy	Cobalt	ASTM E1916 XRF METHOD:
98	CHEMICAL- METALS & ALLOYS	Aluminum base alloy	Copper	ASTM E1916 XRF METHOD:
99	CHEMICAL- METALS & ALLOYS	Aluminum base alloy	Iron	ASTM E1916 XRF METHOD:
100	CHEMICAL- METALS & ALLOYS	Aluminum base alloy	Lead	ASTM E1916 XRF METHOD:
101	CHEMICAL- METALS & ALLOYS	Aluminum base alloy	Magnesium	ASTM E1916 POES AND XRF METHOD:
102	CHEMICAL- METALS & ALLOYS	Aluminum base alloy	Manganese	ASTM E1916 XRF METHOD:
103	CHEMICAL- METALS & ALLOYS	Aluminum base alloy	Nickel	ASTM E1916 XRF METHOD:
104	CHEMICAL- METALS & ALLOYS	Aluminum base alloy	Silicon	ASTM E1916 POES AND XRF METHOD:
105	CHEMICAL- METALS & ALLOYS	Aluminum base alloy	Tin	ASTM E1916 XRF METHOD:
106	CHEMICAL- METALS & ALLOYS	Aluminum base alloy	Zinc	ASTM E1916 POES AND XRF METHOD:
107	CHEMICAL- METALS & ALLOYS	Carbon Steel	Manganese	ASTM E350 WET METHOD
108	CHEMICAL- METALS & ALLOYS	Carbon Steel	Manganese	IS 228 Part - 12 WET METHOD
109	CHEMICAL- METALS & ALLOYS	Carbon Steel	Phosphorus	IS 228 Part - 3 WET METHOD
110	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium	ASTM E1999 OES METHOD
111	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	ASTM E1999 OES METHOD

SCOPE OF ACCREDITATION

Laboratory Name :	TII TECHNO TESTING SERVICES PVT LTD, 238/16, AATHANACHERI VILLAGE, PADAPPAI, CHENNAI, KANCHIPURAM, TAMIL NADU, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6618	**Page No**	7 of 34
Validity	22/08/2021 to 21/08/2023	**Last Amended on**	26/01/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
112	CHEMICAL- METALS & ALLOYS	Cast Iron , SG Iron	Carbon	IS 12308 Part - 11 WET MWTHOD
113	CHEMICAL- METALS & ALLOYS	Cast Iron , SG Iron	Manganese	ASTM E351 WET METHOD
114	CHEMICAL- METALS & ALLOYS	Cast Iron , SG Iron	Sulphur	IS 12308 Part - 2 WET METHOD
115	CHEMICAL- METALS & ALLOYS	Copper Base	Arsenic	TII/CU/2021
116	CHEMICAL- METALS & ALLOYS	Copper Base	Bismuth	TII/CU/2021
117	CHEMICAL- METALS & ALLOYS	Copper Base	Iron	TII/CU/2021
118	CHEMICAL- METALS & ALLOYS	Copper Base	Lead	TII/CU/2021
119	CHEMICAL- METALS & ALLOYS	Copper Base	Manganese	TII/CU/2021
120	CHEMICAL- METALS & ALLOYS	Copper Base	Manganese	TII/CU/2021
121	CHEMICAL- METALS & ALLOYS	Copper Base	Nickel	TII/CU/2021
122	CHEMICAL- METALS & ALLOYS	Copper Base	Phosporus	TII/CU/2021
123	CHEMICAL- METALS & ALLOYS	Copper Base	Silver	TII/CU/2021
124	CHEMICAL- METALS & ALLOYS	Copper Base	Sulphur	TII/CU/2021
125	CHEMICAL- METALS & ALLOYS	Copper Base	Tin	TII/CU/2021
126	CHEMICAL- METALS & ALLOYS	Copper base alloy	Aluminium	ASTM E1916 POES AND HANDLED XRF:
127	CHEMICAL- METALS & ALLOYS	Copper base alloy	Antimony	ASTM E1916 POES:
128	CHEMICAL- METALS & ALLOYS	Copper base alloy	Bismuth	ASTM E1916 POES AND HANDLED XRF:
129	CHEMICAL- METALS & ALLOYS	Copper base alloy	Cadmium	ASTM E1916 POES:
130	CHEMICAL- METALS & ALLOYS	Copper base alloy	Cobalt	ASTM E1916 POES AND HANDLED XRF

SCOPE OF ACCREDITATION

Laboratory Name :	TII TECHNO TESTING SERVICES PVT LTD, 238/16, AATHANACHERI VILLAGE, PADAPPAI, CHENNAI, KANCHIPURAM, TAMIL NADU, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6618	**Page No**	8 of 34
Validity	22/08/2021 to 21/08/2023	**Last Amended on**	26/01/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
131	CHEMICAL- METALS & ALLOYS	Copper base alloy	Iron	ASTM E1916 POES AND HANDLED XRF::
132	CHEMICAL- METALS & ALLOYS	Copper base alloy	Lead	ASTM E1916 POES ANE HANDLED XRF
133	CHEMICAL- METALS & ALLOYS	Copper base alloy	Manganese	ASTM E1916 POES AND HANDLED XRF:
134	CHEMICAL- METALS & ALLOYS	Copper base alloy	Nickel	ASTM E1916 POES AND HANDLED XRF:
135	CHEMICAL- METALS & ALLOYS	Copper base alloy	Phophorus	ASTM E1916 POES:
136	CHEMICAL- METALS & ALLOYS	Copper base alloy	Silicon	ASTM E1916 HANDLED XRF: 2
137	CHEMICAL- METALS & ALLOYS	Copper base alloy	Silver	ASTM E1916 POES:
138	CHEMICAL- METALS & ALLOYS	Copper base alloy	Sulphur	ASTM E1916 POES:
139	CHEMICAL- METALS & ALLOYS	Copper base alloy	Tin ,	ASTM E1916 POES AND HANDLED XRF:
140	CHEMICAL- METALS & ALLOYS	Copper base alloy	Zinc	ASTM E1916 POES AND HANDLED XRF:
141	CHEMICAL- METALS & ALLOYS	Copper based alloy	Aluminium	ASTM E1916 POES AND HANDLED XRF
142	CHEMICAL- METALS & ALLOYS	Copper based alloy	Cobalt	ASTM E1916 POES AND HANDLED XRF
143	CHEMICAL- METALS & ALLOYS	Copper based alloy	Iron	ASTM E1916 POES AND HANDLED XRF:
144	CHEMICAL- METALS & ALLOYS	Copper based alloy	Lead	ASTM E1916 POES AND HANDLED XRF
145	CHEMICAL- METALS & ALLOYS	Copper based alloy	Manganese	ASTM E1916 POES AND HANDLED XRF:
146	CHEMICAL- METALS & ALLOYS	Copper based alloy	Nickel	ASTM E1916 POES AND HANDLED XRF
147	CHEMICAL- METALS & ALLOYS	Copper based alloy	Silicon	ASTM E1916 POES AND HANDLED XRF
148	CHEMICAL- METALS & ALLOYS	Copper Based Alloy	Tin ,	ASTM E1916 POES AND HANDLED XRF
149	CHEMICAL- METALS & ALLOYS	Copper based alloy	Zinc	ASTM E1916 POES AND HANDLED XRF

SCOPE OF ACCREDITATION

Laboratory Name :	TII TECHNO TESTING SERVICES PVT LTD, 238/16, AATHANACHERI VILLAGE, PADAPPAI, CHENNAI, KANCHIPURAM, TAMIL NADU, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6618	**Page No**	9 of 34
Validity	22/08/2021 to 21/08/2023	**Last Amended on**	26/01/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
150	CHEMICAL- METALS & ALLOYS	Free cutting	Aluminium	TII-OES-FC-03/15 Optical Emssion spectrometer
151	CHEMICAL- METALS & ALLOYS	Free cutting	chromium	TII-OES-FC-03/15 Optical Emssion spectrometer
152	CHEMICAL- METALS & ALLOYS	Free cutting	molybdenium	TII-OES-FC-03/15 Optical Emssion spectrometer
153	CHEMICAL- METALS & ALLOYS	Free cutting	Phosphorus	TII-OES-FC-03/15 Optical Emssion spectrometer
154	CHEMICAL- METALS & ALLOYS	Free Cutting Steel	Copper	TII-OES-FC-03/15 Optical Emssion spectrometer
155	CHEMICAL- METALS & ALLOYS	Free Cutting Steel	Manganese	TII-OES-FC-03/15 Optical Emssion spectrometer
156	CHEMICAL- METALS & ALLOYS	Free Cutting Steel	Nickel	TII-OES-FC-03/15 Optical Emssion spectrometer
157	CHEMICAL- METALS & ALLOYS	Free Cutting Steel	Silicon	TII-OES-FC-03/15 OES METHOD
158	CHEMICAL- METALS & ALLOYS	Iron Base Alloy - Low Alloy Steel , Stainless Steel , Tool Steel , Free Cutting Steel , Cast Iron	Aluminum	ASTM E1916 POES :
159	CHEMICAL- METALS & ALLOYS	Iron Base Alloy - Low Alloy Steel , Stainless Steel , Tool Steel , Free Cutting Steel , Cast Iron	Boron	ASTM E1916 POES
160	CHEMICAL- METALS & ALLOYS	Iron Base Alloy - Low Alloy Steel , Stainless Steel , Tool Steel , Free Cutting Steel , Cast Iron	Carbon	ASTM E1916 POES :
161	CHEMICAL- METALS & ALLOYS	Iron Base Alloy - Low Alloy Steel , Stainless Steel , Tool Steel , Free Cutting Steel , Cast Iron	Chromium	ASTM E1916 POES AND HANDLED XRF::
162	CHEMICAL- METALS & ALLOYS	Iron Base Alloy - Low Alloy Steel , Stainless Steel , Tool Steel , Free Cutting Steel , Cast Iron	Cobalt	ASTM E1916 POES AND HANDLED XRF:
163	CHEMICAL- METALS & ALLOYS	Iron Base Alloy - Low Alloy Steel , Stainless Steel , Tool Steel , Free Cutting Steel , Cast Iron	Manganese	ASTM E1916 POES AND XRF METHOD :
164	CHEMICAL- METALS & ALLOYS	Iron Base Alloy - Low Alloy Steel , Stainless Steel , Tool Steel , Free Cutting Steel , Cast Iron	Molybdenum	ASTM E1916 POES AND HANDLED XRF :
165	CHEMICAL- METALS & ALLOYS	Iron Base Alloy - Low Alloy Steel , Stainless Steel , Tool Steel , Free Cutting Steel , Cast Iron	Nickel	ASTM E1916 POES AND HANDLED XRF:
166	CHEMICAL- METALS & ALLOYS	Iron Base Alloy - Low Alloy Steel , Stainless Steel , Tool Steel , Free Cutting Steel , Cast Iron	Niobium	ASTM E1916 POES AND HANDLED XRF:
167	CHEMICAL- METALS & ALLOYS	Iron Base Alloy - Low Alloy Steel , Stainless Steel , Tool Steel , Free Cutting Steel , Cast Iron	Phosphorus	ASTM E1916 POES :
168	CHEMICAL- METALS & ALLOYS	Iron Base Alloy - Low Alloy Steel , Stainless Steel , Tool Steel , Free Cutting Steel , Cast Iron	Silicon	ASTM E1916 XRF METHOD::

SCOPE OF ACCREDITATION

Laboratory Name :	TII TECHNO TESTING SERVICES PVT LTD, 238/16, AATHANACHERI VILLAGE, PADAPPAI, CHENNAI, KANCHIPURAM, TAMIL NADU, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6618	**Page No**	10 of 34
Validity	22/08/2021 to 21/08/2023	**Last Amended on**	26/01/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
169	CHEMICAL- METALS & ALLOYS	Iron Base Alloy - Low Alloy Steel , Stainless Steel , Tool Steel , Free Cutting Steel , Cast Iron	Silicon	ASTM E1916 POES AND XRF METHOD:
170	CHEMICAL- METALS & ALLOYS	Iron Base Alloy - Low Alloy Steel , Stainless Steel , Tool Steel , Free Cutting Steel , Cast Iron	Sulphur	ASTM E1916 POES :
171	CHEMICAL- METALS & ALLOYS	Iron Base Alloy - Low Alloy Steel , Stainless Steel , Tool Steel , Free Cutting Steel , Cast Iron	Tin	ASTM E1916 POES :
172	CHEMICAL- METALS & ALLOYS	Iron Base Alloy - Low Alloy Steel , Stainless Steel , Tool Steel , Free Cutting Steel , Cast Iron	Titanium	ASTM E1916 POES :
173	CHEMICAL- METALS & ALLOYS	Iron Base Alloy - Low Alloy Steel , Stainless Steel , Tool Steel , Free Cutting Steel , Cast Iron	Tungsten	ASTM E1916 POES AND HANDLED XRF:
174	CHEMICAL- METALS & ALLOYS	Iron Base Alloy - Low Alloy Steel , Stainless Steel , Tool Steel , Free Cutting Steel , Cast Iron	Vanadium	ASTM E1916 POES AND HANDLED XRF:
175	CHEMICAL- METALS & ALLOYS	Low alloy steel	Aluminium	ASTM E415 OES METHOD:
176	CHEMICAL- METALS & ALLOYS	Low alloy steel	Aluminium	ASTM E415 OES METHOD:
177	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Boron	ASTM E415 OES METHOD:
178	CHEMICAL- METALS & ALLOYS	Low alloy steel	Carbon	ASTM E415 OES METHOD
179	CHEMICAL- METALS & ALLOYS	Low alloy steel	Chromium	ASTM E 415 OES METHOD
180	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Chromium	IS 8811 OES METHOD
181	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Cobalt	IS 8811 OES METHOD
182	CHEMICAL- METALS & ALLOYS	Low alloy steel	Cobalt	ASTM E 415 OES METHOD
183	CHEMICAL- METALS & ALLOYS	Low alloy steel	Copper	ASTM E 415 OES METHOD
184	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Copper	IS 8811 OES METHOD
185	CHEMICAL- METALS & ALLOYS	Low alloy steel	Manganese	ASTM E415 OES METHOD
186	CHEMICAL- METALS & ALLOYS	Low alloy steel	Nickel	ASTM E415 OES METHOD
187	CHEMICAL- METALS & ALLOYS	Low alloy steel	Nickel	IS8811 OES METHOD

SCOPE OF ACCREDITATION

Laboratory Name :	TII TECHNO TESTING SERVICES PVT LTD, 238/16, AATHANACHERI VILLAGE, PADAPPAI, CHENNAI, KANCHIPURAM, TAMIL NADU, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6618	**Page No**	11 of 34
Validity	22/08/2021 to 21/08/2023	**Last Amended on**	26/01/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
188	CHEMICAL- METALS & ALLOYS	Low Alloy steel	Niobium	ASTM E415 OES METHOD
189	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Phosphorous	IS 8811 OES METHOD:
190	CHEMICAL- METALS & ALLOYS	Low alloy steel	Phosphorus	ASTM E415OES METHOD
191	CHEMICAL- METALS & ALLOYS	Low alloy steel	Silicon	ASTM E415 OES METHOD
192	CHEMICAL- METALS & ALLOYS	Low alloy steel	Sulphur	ASTM E415 OES METHOD
193	CHEMICAL- METALS & ALLOYS	Low Alloy steel	Sulphur	IS 8811 OES METHOD
194	CHEMICAL- METALS & ALLOYS	Low alloy steel	Tin	ASTM E415 OES METHOD
195	CHEMICAL- METALS & ALLOYS	Low alloy steel	Titanium	ASTM E415 OES METHOD
196	CHEMICAL- METALS & ALLOYS	Low alloy steel	Vanadium	ASTM E415 OES METHOD
197	CHEMICAL- METALS & ALLOYS	Low carbon	Aluminium	ASTM E415 OES METHOD
198	CHEMICAL- METALS & ALLOYS	Low carbon	Boron	ASTM E415 , OES METHOD
199	CHEMICAL- METALS & ALLOYS	Nickel Base	Copper	TSPL/NI/2021 Optical Emssion spectrometer
200	CHEMICAL- METALS & ALLOYS	Nickel base	Iron	TSPL/NI/2021 Optical Emssion spectrometer
201	CHEMICAL- METALS & ALLOYS	Nickel Base	Molybdenum	TSPL/NI/2021 Optical Emssion spectrometer
202	CHEMICAL- METALS & ALLOYS	Nickel base	Niobium	TSPL/NI/2021 Optical Emssion spectrometer
203	CHEMICAL- METALS & ALLOYS	Nickel Base	Silicon	TSPL/NI/2021 Optical Emssion spectrometer
204	CHEMICAL- METALS & ALLOYS	Nickel base	Tungsten	TSPL/NI/2021 Optical Emssion spectrometer
205	CHEMICAL- METALS & ALLOYS	Nickel base alloy	Molybdenium	ASTM E1916 POES AND XRF METHOD:
206	CHEMICAL- METALS & ALLOYS	Nickel based alloy	Aluminium	ASTM E1916 POES AND XRF METHOD

SCOPE OF ACCREDITATION

Laboratory Name :	TII TECHNO TESTING SERVICES PVT LTD, 238/16, AATHANACHERI VILLAGE, PADAPPAI, CHENNAI, KANCHIPURAM, TAMIL NADU, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6618	**Page No**	12 of 34
Validity	22/08/2021 to 21/08/2023	**Last Amended on**	26/01/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
207	CHEMICAL- METALS & ALLOYS	Nickel based alloy	Chromium	ASTM E1916 POES AND XRF METHOD
208	CHEMICAL- METALS & ALLOYS	Nickel based alloy	Cobalt	ASTM E1916 POES AND XRF METHOD
209	CHEMICAL- METALS & ALLOYS	Nickel based alloy	Copper	ASTM E1916 POES:
210	CHEMICAL- METALS & ALLOYS	Nickel based alloy	Iron	ASTM E1916 POES AND XRF METHOD
211	CHEMICAL- METALS & ALLOYS	Nickel based alloy	Manganese	ASTM E1916 POES AND XRF METHOD
212	CHEMICAL- METALS & ALLOYS	Nickel based alloy	Molybdenum	ASTM E1916 POES AND XRF METHOD
213	CHEMICAL- METALS & ALLOYS	Nickel based alloy	Niobium	ASTM E1916 POES AND XRF METHOD
214	CHEMICAL- METALS & ALLOYS	Nickel based alloy	Silicon	ASTM E1916 POES AND XRF METHOD
215	CHEMICAL- METALS & ALLOYS	Nickel based alloy	Titanium	ASTM E1916 POES AND XRF METHOD
216	CHEMICAL- METALS & ALLOYS	Nickel based alloy	Tungsten	ASTM E1916 POES AND XRF METHOD
217	CHEMICAL- METALS & ALLOYS	Nickel based alloy	Vanadium	ASTM E1916 POES AND XRF METHOD
218	CHEMICAL- METALS & ALLOYS	Stainless steel	Boron	TSPL/SS/2021 Issue No:1 Dt1.7.21
219	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS 228 Part - 1 WET METHOD:
220	CHEMICAL- METALS & ALLOYS	Stainless steel	Carbon	IS9879 OES METHOD
221	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS9879 OES METHOD:
222	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E1086 , OES METHOD:
223	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 228 Part - 6 WET METHOD
224	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 228 Part - 6 WET METHOD:
225	CHEMICAL- METALS & ALLOYS	Stainless steel	Cobalt	TSPL/SS/2021 Issue No:1 Dt1.7.21

SCOPE OF ACCREDITATION

Laboratory Name :	TII TECHNO TESTING SERVICES PVT LTD, 238/16, AATHANACHERI VILLAGE, PADAPPAI, CHENNAI, KANCHIPURAM, TAMIL NADU, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6618	**Page No**	13 of 34
Validity	22/08/2021 to 21/08/2023	**Last Amended on**	26/01/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
226	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E1086 OES METHOD :
227	CHEMICAL- METALS & ALLOYS	Stainless steel	Manganese	ASTM E1086 OES METHOD:
228	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E353 WET METHOD:
229	CHEMICAL- METALS & ALLOYS	Stainless steel	Molybdenum	ASTM E1086 OES METHOD:
230	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	IS9879 OES METHOD:
231	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 228 Part - 5 WET METHOD
232	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 228 Part - 5 WET METHOD:
233	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS9879 OES METHOD:
234	CHEMICAL- METALS & ALLOYS	Stainless steel	Niobium	TSPL/SS/2021 Issue No:1 Dt1.7.21
235	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	IS 228 Part - 3 WET METHOD:
236	CHEMICAL- METALS & ALLOYS	Stainless steel	Phousphorus	IS 9879 OES METHOD:
237	CHEMICAL- METALS & ALLOYS	Stainless steel	Silicon	ASTM E1086 OES METHOD:
238	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	IS 9879 OES METHOD:
239	CHEMICAL- METALS & ALLOYS	Stainless steel	Sulphur	ASTM E1086 OES METHOD:
240	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	IS 9879 OES METHOD:
241	CHEMICAL- METALS & ALLOYS	Stainless steel	Tantalum	TSPL/SS/2021 Issue No:1 Dt1.7.21
242	CHEMICAL- METALS & ALLOYS	Stainless steel	Tin	TSPL/SS/2021 Issue No:1 Dt1.7.21
243	CHEMICAL- METALS & ALLOYS	Stainless Steel	Titanium	TSPL/SS/2021 Issue No:1 Dt1.7.21
244	CHEMICAL- METALS & ALLOYS	Stainless steel	Vanadium	TSPL/SS/2021 Issue No:1 Dt1.7.21

SCOPE OF ACCREDITATION

Laboratory Name : TII TECHNO TESTING SERVICES PVT LTD, 238/16, AATHANACHERI VILLAGE, PADAPPAI, CHENNAI, KANCHIPURAM, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6618 **Page No** 14 of 34

Validity 22/08/2021 to 21/08/2023 **Last Amended on** 26/01/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
245	CHEMICAL- METALS & ALLOYS	Stainless steell	Copper	IS9879 OES METHOD:
246	CHEMICAL- METALS & ALLOYS	Titanium base	Aluminium	ASTM E2994 :2016 OES METHOD
247	CHEMICAL- METALS & ALLOYS	Titanium base	Carbon	ASTM E2994 :2016 OES METHOD
248	CHEMICAL- METALS & ALLOYS	Titanium base	Iron	ASTM E2994 :2016 OES METHOD
249	CHEMICAL- METALS & ALLOYS	Titanium base	Tin	ASTM E2994 :2016 OES METHOD
250	CHEMICAL- METALS & ALLOYS	Tool Steel	Carbon	TII-OES-T-01/13 Optical Emission Spectrometer
251	CHEMICAL- METALS & ALLOYS	Tool Steel	Cobalt	TII-OES-T-01/13 Optical Emission Spectrometer
252	CHEMICAL- METALS & ALLOYS	Tool steel	molybdenium	TII-OES-T-01/13 Optical Emission Spectrometer
253	CHEMICAL- METALS & ALLOYS	Tool Steel	Nickel	TII-OES-T-01/13 Optical Emission Spectrometer
254	CHEMICAL- METALS & ALLOYS	Tool Steel	Silicon	TII-OES-T-01/13 Optical Emission Spectrometer
255	CHEMICAL- METALS & ALLOYS	Tool Steel	Tungsten	TII-OES-T-01/13 Optical Emission Spectrometer
256	CHEMICAL- METALS & ALLOYS	Tool Steel	Vanadium	TII-OES-T-01/13 Optical Emission Spectrometer
257	MECHANICAL- BUILDINGS MATERIALS	Accelerated Cured Concrete	Compress Strength	IS9013
258	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Compressive Strength	IS 3495 - Part 1
259	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimension test	IS 1077
260	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Efflorescence	IS 3495 - Part 3
261	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Water Absorption	IS 3495 - Part 2
262	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive strength	IS4031 Pt6
263	MECHANICAL- BUILDINGS MATERIALS	Cement	Consistency	IS4031 Pt4

SCOPE OF ACCREDITATION

Laboratory Name :	TII TECHNO TESTING SERVICES PVT LTD, 238/16, AATHANACHERI VILLAGE, PADAPPAI, CHENNAI, KANCHIPURAM, TAMIL NADU, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6618	**Page No**	15 of 34
Validity	22/08/2021 to 21/08/2023	**Last Amended on**	26/01/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
264	MECHANICAL- BUILDINGS MATERIALS	Cement	Final setting time	IS4031 Pt5
265	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness (By dry sieving	IS4031 Pt1
266	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial setting Time	IS4031 Pt5
267	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggreagate	Crushing Value	IS 2386 Pt4
268	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Bulk Density (loose &Rodded)	IS 2386 P-3
269	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Determination of 10%fine values	IS2839 Pt4
270	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Intex	IS2386 Pt1
271	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS2386 Pt1
272	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact value	IS2386 Pt4
273	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Sieve Analysis	IS 2386 Pt-1
274	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Specific gravity	IS2386 Pt3
275	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregte	Water Absorption	IS2386 Pt3
276	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive Strength	IS 516
277	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Compressive Strength	IS 15658
278	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Water Absorption	IS 15658
279	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Bulk density(loose &Rodded)	IS2386 Pt3
280	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Particle finer than 75 Micron	IS2386 Pt2
281	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate (River Sand , Msand and Crushing Sand)	Seive Analysis	IS 2386 - Part1
282	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate (River Sand , Msand and Crushing Sand)	Specific Gravity	IS 2386 (Part 3)

SCOPE OF ACCREDITATION

Laboratory Name : TII TECHNO TESTING SERVICES PVT LTD, 238/16, AATHANACHERI VILLAGE, PADAPPAI, CHENNAI, KANCHIPURAM, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6618 **Page No** 16 of 34

Validity 22/08/2021 to 21/08/2023 **Last Amended on** 26/01/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
283	MECHANICAL- BUILDINGS MATERIALS	Fine aggregates	Bulking	IS2386 Pt-6
284	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Water Absorption	IS2386 Pt3
285	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Rebound Hammer	IS 13311 Pt2
286	MECHANICAL- BUILDINGS MATERIALS	Reinforced Steel	% of Elongation	IS 1608 -
287	MECHANICAL- BUILDINGS MATERIALS	Reinforced Steel	Bend Test	IS 1599
288	MECHANICAL- BUILDINGS MATERIALS	Reinforced Steel	Mass per meter	IS 1786
289	MECHANICAL- BUILDINGS MATERIALS	Reinforced Steel	Re-Bend Test	IS 1786
290	MECHANICAL- BUILDINGS MATERIALS	Reinforced Steel	Ultimate Tensile Strength	IS 1608 -
291	MECHANICAL- BUILDINGS MATERIALS	Reinforced Steel	Yield Strength	IS 1608 - 3rd revision
292	MECHANICAL- BUILDINGS MATERIALS	Soil	California bearing Capacity test	IS2720 Pt-16
293	MECHANICAL- BUILDINGS MATERIALS	Soil	Field Density by Core Cutter method	IS2720V-Pt29,IS1975
294	MECHANICAL- BUILDINGS MATERIALS	Soil	Field Density by Sand replacement method	IS 2720 Pt-28,
295	MECHANICAL- BUILDINGS MATERIALS	Soil	Free Swell Index	IS 2720 Pt-40
296	MECHANICAL- BUILDINGS MATERIALS	Soil	Light Compaction	IS 2720 - Part 7
297	MECHANICAL- BUILDINGS MATERIALS	Soil	Liquid Limit	IS 2720 - Part 5
298	MECHANICAL- BUILDINGS MATERIALS	Soil	Modified Proctor Compaction test(OMC)	IS 2720 Pt-8
299	MECHANICAL- BUILDINGS MATERIALS	Soil	Modified protector Compaction Test(MDD)	IS2720 Pt-8
300	MECHANICAL- BUILDINGS MATERIALS	Soil	Plastic Limit	IS 2720 - Part 5
301	MECHANICAL- BUILDINGS MATERIALS	Solid Blocks / Hollow Blocks	Compressive Strength	IS 2185 - Part 1

SCOPE OF ACCREDITATION

Laboratory Name :	TII TECHNO TESTING SERVICES PVT LTD, 238/16, AATHANACHERI VILLAGE, PADAPPAI, CHENNAI, KANCHIPURAM, TAMIL NADU, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6618	**Page No**	17 of 34
Validity	22/08/2021 to 21/08/2023	**Last Amended on**	26/01/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
302	MECHANICAL- BUILDINGS MATERIALS	Solid Blocks / Hollow Blocks	Concrete Block Density	IS 2185 (Part - 1)
303	MECHANICAL- BUILDINGS MATERIALS	Solid Blocks / Hollow Blocks	Water Absorption	IS 2185 (Part 1) - 3rd revision
304	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Components Metals and alloys composites	Durability test 0.1kN TO 10kN ,0.01Hz to 1000 Hz	ASTM F1798
305	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Components Metals and alloys composites	Durability test 0.1kN TO 10kN ,0.01Hz to 1000 Hz	ASTM F1264
306	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Components Metals and alloys composites	Durability test 0.1kN TO 10kN ,0.01Hz to 1000 Hz	ASTM F382
307	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Components Metals and alloys composites	Durability test 0.1kN TO 10kN ,0.01Hz to 1000 Hz	ASTM F543
308	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Components Metals and alloys composites	Fracture Toughness test	ASTM E399
309	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Fasteners (Internal Threaded)	Proof load for Nut	IS1367 PT-3
310	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Fasteners (External and Internal Threaded)	Proof load for Bolt, screw and stud	ASTM F606/606M
311	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Fasteners (External and Internal Threaded)	Proof load for Bolt, screw and stud	IS 1367 PT -3
312	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Fasteners (External and Internal Threaded)	Proof load for Bolt, screw and stud	ISO 898 PT-1
313	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Fasteners (External and Internal Threaded)	Proof load for Nut	ISO 898 PT-2
314	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous weld joints	Bend Test	IBR 1950 (Cl-261-262)
315	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous weld joints	Tensile Test-Tensile strength	IBR 1950 (Cl-258 to 259)

SCOPE OF ACCREDITATION

Laboratory Name : TII TECHNO TESTING SERVICES PVT LTD, 238/16, AATHANACHERI VILLAGE, PADAPPAI, CHENNAI, KANCHIPURAM, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6618 **Page No** 18 of 34

Validity 22/08/2021 to 21/08/2023 **Last Amended on** 26/01/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
316	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous weld joints	Pull out/ Push out Test	ASME SEC VIII DIV-1
317	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non ferrous weld joints	Tensile Test-Tensile strength	ASME SEC IX
318	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous alloy products ,semi finished products	Fatigue test	ASTM E466
319	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous alloy products ,semi finished products	Fatigue test	ASTM E647
320	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous weld joints	Bend Test (Face bend/Root bend/Side bend)	AWS D1.1
321	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous weld joints	Bend Test (Face bend/Root bend/Side bend)	AWS D1.6
322	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous weld joints	Bend Test (Face bend/Root bend/Side bend)	IS2825
323	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous weld joints	Bend Test(Face bend/Root bend/Side bend)	ASME SEC IX
324	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous weld joints	Charpy Impact test (Ambient to minus 196 degree Celsius)	IS1757 PT1
325	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous weld joints	Charpy Impact test (Ambient to minus 196 degree Celsius)	ASME SEC IX
326	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous weld joints	Charpy Impact test (Ambient to minus 196 degree Celsius)	ASTM A370
327	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous weld joints	Charpy Impact test (Ambient to minus 196 degree Celsius)	ASTM E23
328	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous weld joints	Charpy Impact test (Ambient to minus 196 degree Celsius)	ISO 148 PT 1
329	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non ferrous weld joints	Fracture Test	ASME SEC IX

SCOPE OF ACCREDITATION

Laboratory Name : TII TECHNO TESTING SERVICES PVT LTD, 238/16, AATHANACHERI VILLAGE, PADAPPAI, CHENNAI, KANCHIPURAM, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6618 **Page No** 19 of 34

Validity 22/08/2021 to 21/08/2023 **Last Amended on** 26/01/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
330	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non ferrous weld joints	Fracture Test	AWS D1 .1
331	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non ferrous weld joints	Fracture test	AWS D1.6
332	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non ferrous weld joints	Fracture Test	IS 7307
333	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous weld joints	Pull out/ Push out Test	ASME SEC IX
334	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non ferrous weld joints	Tensile Test-Tensile strength	AWS D1.1
335	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non ferrous weld joints	Tensile Test-Tensile strength	AWS D1.6
336	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non ferrous weld joints	Tensile Test-Tensile strength	IS 7307 PT1
337	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non ferrous weld joints	Tensile Test-Tensile strength	IS2825
338	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials & alloys	Brinell Hardness-HBW 2.5 /187.5	IS1500 PT-1
339	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials & alloys	Tensile Test-Tensile strength	ASME SEC IX
340	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials & alloys	Tensile Test-Tensile strength	ASTM A370
341	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials & alloys	Tensile Test-Tensile strength	AWS D1.1
342	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials & alloys	% Elongation	ASTM A370
343	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials & alloys	% Reduction area	ASTM E8/8M

SCOPE OF ACCREDITATION

Laboratory Name : TII TECHNO TESTING SERVICES PVT LTD, 238/16, AATHANACHERI VILLAGE, PADAPPAI, CHENNAI, KANCHIPURAM, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6618 **Page No** 20 of 34

Validity 22/08/2021 to 21/08/2023 **Last Amended on** 26/01/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
344	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials & alloys	% Reduction Area	IS1608
345	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials & alloys	%Elongation	IS1608
346	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials & alloys	%Reduction area	ASTM A370
347	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials & alloys	Brinell Hardness-HBW 10 /3000	ASTM E10
348	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials & alloys	Brinell Hardness-HBW 10 /3000	IS1500 PT-1
349	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials & alloys	Brinell Hardness-HBW 2.5 /187.5	ASTM E10
350	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials & alloys	Brinell Hardness-HBW 5 /750*	ASTM E10
351	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials & alloys	Brinell Hardness-HBW 5 /750*	IS1500PT-1
352	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials & alloys	Charpy Impact test (Ambient to minus 196 degree Celsius)	ASTM A370
353	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials & alloys	Charpy Impact test (Ambient to minus 196 degree Celsius)	ASTM E23
354	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials & alloys	Charpy Impact test (Ambient to minus 196 degree Celsius)	IS1757 PT1
355	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials & alloys	Charpy Impact test (Ambient to minus 196 degree Celsius)	ISO148 PT1
356	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials & alloys	Flaring test	ASTM A370
357	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials & alloys	Flaring test	ASTM A450

SCOPE OF ACCREDITATION

Laboratory Name : TII TECHNO TESTING SERVICES PVT LTD, 238/16, AATHANACHERI VILLAGE, PADAPPAI, CHENNAI, KANCHIPURAM, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6618 **Page No** 21 of 34

Validity 22/08/2021 to 21/08/2023 **Last Amended on** 26/01/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
358	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials & alloys	Flaring test	IS2330
359	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials & alloys	Flattening Test	ASTM A370
360	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials & alloys	Flattening Test	ASTM A530/530M
361	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials & alloys	Flattening Test	IS2328
362	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials & alloys	Vickers Hardness-HV-10	ASTME92
363	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials & alloys	Vickers Hardness-HV-10	IS1501 PT-1
364	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials & alloys	Vickers Hardness-HV5.0	ASTM E92
365	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials & alloys	Vickers Hardness-HV5.0	IS1501 PT-1
366	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials & alloys	Yield strength- Offset method 0.1 %,0.2% ,0.5 ,1.0% Proof strength	ASTM A370
367	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials & alloys	Yield strength- Offset method 0.1%,0.2% ,0.5 ,1.0% Proof stength	IS1608
368	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and alloy	Micro Vickers Hardness-HV0.5	ASTM E384
369	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and alloy	Rockwell Hardness- HRA*	IS1586 PT 1
370	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and alloy	Rockwell Hardness- HRC	IS 1586 PT-1
371	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and alloy	Vickers hardness-HV-30	IS1501 PT-1

SCOPE OF ACCREDITATION

Laboratory Name : TII TECHNO TESTING SERVICES PVT LTD, 238/16, AATHANACHERI VILLAGE, PADAPPAI, CHENNAI, KANCHIPURAM, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6618 **Page No** 22 of 34

Validity 22/08/2021 to 21/08/2023 **Last Amended on** 26/01/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
372	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and alloys	Rockwell Hardness- HRC	ASTM A370
373	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and alloys	Rockwell Hardness- HRC	ASTM E18
374	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and alloys	Rockwell hardness-HRB	ASTM A370
375	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and alloys	% Elongation	ASTM E8/8M
376	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and alloys	Bend Test	ASTM A370
377	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and alloys	Bend test	ASTM E190
378	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and alloys	Bend test	ASTM E290
379	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and alloys	Bend test	IS1599
380	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and alloys	Drift Expanding test	ASTM A370
381	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and alloys	Drift Expanding test	IS2335
382	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and alloys	Micro vickers Hardness -HV 0.3	ASTM 384
383	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and alloys	Micro vickers Hardness- HV 0.5	IS1501 PT-1
384	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and alloys	Micro vickers Hardness- HV 1.0	ASTM 384
385	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and alloys	Micro Vickers hardness-HV-0.3*	IS1501 PT-1

SCOPE OF ACCREDITATION

Laboratory Name : TII TECHNO TESTING SERVICES PVT LTD, 238/16, AATHANACHERI VILLAGE, PADAPPAI, CHENNAI, KANCHIPURAM, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6618 **Page No** 23 of 34

Validity 22/08/2021 to 21/08/2023 **Last Amended on** 26/01/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
386	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and alloys	Micro Vickers hardness-HV1.0	IS1501
387	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and alloys	Pull out/Push out test	ASME SEC IX
388	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and alloys	Pull out/Push out test	ASME SEC VIII DIV -1
389	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and alloys	Rockwell Hardness- HRA*	ASTM E18
390	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and alloys	Rockwell Hardness -HRB	ASTM A370
391	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and alloys	Rockwell hardness-HRA*	ASTM A370
392	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and alloys	Rockwell hardness-HRB	IS1586-PT-1
393	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and alloys	Rockwell hardness-HRC	ASTM A370
394	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and alloys	Tear test	ASME SEC IX
395	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and alloys	Tensile Test-Tensile strength	ASTM E8/8M
396	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and alloys	Tensile Test-Tensile strength	AWS D1.6
397	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and alloys	Tensile Test-Tensile strength	IS 1608 PT1
398	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and alloys	Vickers Hardness -HV30	ASTM E92
399	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials& alloys	Yield strength- Offset method 0.1 %,0.2% ,0.5 ,1.0% Proof strength	ASTM E8/8M

SCOPE OF ACCREDITATION

Laboratory Name :	TII TECHNO TESTING SERVICES PVT LTD, 238/16, AATHANACHERI VILLAGE, PADAPPAI, CHENNAI, KANCHIPURAM, TAMIL NADU, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6618	**Page No**	24 of 34
Validity	22/08/2021 to 21/08/2023	**Last Amended on**	26/01/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
400	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous meterials and alloys	Rockwell hardness-HRB	ASTM E18
401	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous material and alloy	Brinell Hardness-HBW 10 /3000	ASTM E10
402	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous material and alloy	Brinell Hardness-HBW 10 /3000	IS1500PT-1
403	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous material and alloy	Brinell Hardness-HBW 2.5 /187.5	ASTM E10
404	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous material and alloy	Brinell Hardness-HBW 5 /750*	ASTM E10
405	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous material and alloy	Charpy Impact test (Ambient to minus 196 degree Celsius)	ASTM E23
406	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous material and alloy	Micro Vickers Hardness- HV1.0	ASTM 384
407	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous material and alloy	Micro Vickers hardness HV-1.0	IS1501 PT-1
408	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous material and alloy	Rockwell Hardness- HRC	IS1586 pt-1
409	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous material and alloy	Rockwell hardness-HRB	ASTME 18
410	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous material and alloy	Vickers Hardness -HV-30	ASTM E92
411	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous material and alloy	Vickers Hardness-HV-10	ASTM E92
412	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous material and alloy	Vickers Hardness-HV-30	IS1501 PT-1
413	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous material and alloy	Vickers hardness-HV-5.0	ASTM E92

SCOPE OF ACCREDITATION

Laboratory Name : TII TECHNO TESTING SERVICES PVT LTD, 238/16, AATHANACHERI VILLAGE, PADAPPAI, CHENNAI, KANCHIPURAM, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6618 **Page No** 25 of 34

Validity 22/08/2021 to 21/08/2023 **Last Amended on** 26/01/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
414	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous material and alloy	Vickers Hardness-HV-5.0	IS1501 PT-1
415	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous material and alloys	Charpy Impact test (Ambient to minus 196 degree Celsius)	IS1757 PT1
416	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous material and alloys	Charpy Impact test (Ambient to minus 196 degree Celsius)	ISO 148 PT 1
417	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous material and alloys	Pull out/ Push out Test	ASME SEC IX
418	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous materials and alloy	Mickro vickers Hardness-HV0.3	IS1501 PT-1
419	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous materials and alloy	Micro Vickers hardness- HV0.3	ASTM 384
420	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous materials and alloys	Brinell Hardness-HBW 5 /750*	IS1500 PT-1
421	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous materials and alloys	Rockwell hardness-HRB	IS1586 PT-1
422	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous materials and alloys	% Elongation	ASTM B557
423	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous materials and alloys	% Elongation	ASTM E8/8M
424	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous materials and alloys	% Elongation	IS1608
425	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous materials and alloys	% Reduction area	ASTM B557
426	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous materials and alloys	% Reduction area	ASTM E8/8M
427	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous materials and alloys	% Reduction Area	IS1608

SCOPE OF ACCREDITATION

Laboratory Name : TII TECHNO TESTING SERVICES PVT LTD, 238/16, AATHANACHERI VILLAGE, PADAPPAI, CHENNAI, KANCHIPURAM, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6618 **Page No** 26 of 34

Validity 22/08/2021 to 21/08/2023 **Last Amended on** 26/01/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
428	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous materials and alloys	Brinell Hardness-HBW 2.5 /187.5	IS1500 PT-1
429	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous materials and alloys	Drift Expanding test	IS2335
430	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous materials and alloys	Flaring test	IS2330
431	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous materials and alloys	Flattening test	IS2328
432	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous materials and alloys	Micro Vickers Hardness-HV0.5	IS1501 PT-1
433	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous materials and alloys	Micro Vickers Hradness-HV0.5	ASTM E384
434	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous materials and alloys	Pull out/ Push out Test	ASME SEC VIII DIV-1
435	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous materials and alloys	Rockwell Hardness- HRC	ASTM E18
436	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous materials and alloys	Tear test	ASME SEC IX
437	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous materials and alloys	Tensile Test-Tensile strength	ASME SEC IX
438	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous materials and alloys	Tensile Test-Tensile strength	ASTM B557
439	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous materials and alloys	Tensile Test-Tensile strength	ASTM E8/8M
440	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous materials and alloys	Tensile Test-Tensile strength	AWS D1.1
441	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous materials and alloys	Tensile Test-Tensile strength	AWS D1.6

SCOPE OF ACCREDITATION

Laboratory Name :	TII TECHNO TESTING SERVICES PVT LTD, 238/16, AATHANACHERI VILLAGE, PADAPPAI, CHENNAI, KANCHIPURAM, TAMIL NADU, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6618	**Page No**	27 of 34
Validity	22/08/2021 to 21/08/2023	**Last Amended on**	26/01/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
442	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous materials and alloys	Tensile test-Tensile strength	IS1608 PTI
443	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous materials and alloys	Vickers hardness -HV-10	IS1501 PT-1
444	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous materials and alloys	Yield strength- Offset method 0.1 %,0.2% ,0.5 ,1.0% Proof strength	ASTM B557
445	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous materials and alloys	Yield strength- Offset method 0.1 %,0.2% ,0.5 ,1.0% Proof strength	ASTME8/8M
446	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous materials and alloys	Yield strength- Offset method 0.1 %,0.2% ,0.5 ,1.0% Proof strength	IS1608 PT1
447	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous metals and alloy	Rockwell Hardness- HRA*	IS 1586 PT-1
448	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non ferrous metals and alloy	Rockwell hardness-HRA*	ASTM E18
449	MECHANICAL-METALLOGRAPHY TEST	Case hardened steel	Case depth by Microscopic Method	ISO 18203
450	MECHANICAL-METALLOGRAPHY TEST	Case hardened steel	Case depth by Microscopic Method	IS13691
451	MECHANICAL-METALLOGRAPHY TEST	Case hardened steel	Case depth by Microscopic Method	ISO 2639
452	MECHANICAL-METALLOGRAPHY TEST	Case hardened Steels	Case depth by Microscopic Method	IS 6416
453	MECHANICAL-METALLOGRAPHY TEST	Duplex Stainless Steel	Detrimental Inter metallic Phases-Determination of Volume fraction of phase	ASTM A923
454	MECHANICAL-METALLOGRAPHY TEST	Ferrous and Alloys	Grain Size , Austenitic grain Size by Comparative method	ASTM E112
455	MECHANICAL-METALLOGRAPHY TEST	Ferrous material and alloy	Inclusion Rating Method *	ASTM E45
456	MECHANICAL-METALLOGRAPHY TEST	Ferrous material and alloy	Inclusion rating method*	ISO 4967
457	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials and alloy	Grain size ,Austenitic grain size by comparison method	ISO 643

SCOPE OF ACCREDITATION

Laboratory Name : TII TECHNO TESTING SERVICES PVT LTD, 238/16, AATHANACHERI VILLAGE, PADAPPAI, CHENNAI, KANCHIPURAM, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6618 **Page No** 28 of 34

Validity 22/08/2021 to 21/08/2023 **Last Amended on** 26/01/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
458	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials and alloy	Grain size, Austenitic grain size by comparative method	IS4748
459	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials and alloy	Macro Examination analysis	ASTM A604
460	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials and alloy	Macro Examination analysis	ASME SEC IX
461	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials and alloy	Macro Examination analysis	ASTM E340
462	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials and alloy	Macro Examination analysis	ASTM E381
463	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials and alloy	Macro Examination analysis	DIN EN 1321
464	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials and alloy	Macro Examination Analysis	DIN EN ISO 15614
465	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials and alloy	Macro Examination analysis	EN BS ISO 9606
466	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials and alloy	Macro Examination Analysis	IS11371
467	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials and alloy	Macro Examination analysis	IS12573
468	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials and alloy	Macro examination analysis	IS13015
469	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials and alloy	Macro Examination Analysis	IS3600
470	MECHANICAL-METALLOGRAPHY TEST	Ferrous metal & weldments	Ferrite content test (Microscopic Method)	ASTM E562
471	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metal , SS weldments	Ferrite Content test (Microscopic Method)	ASTM E562
472	MECHANICAL-METALLOGRAPHY TEST	Gray cast iron & SG Iron products	Microstructure Graphite Flakes /Nodules Type ,Size Distribution characteristic and matrix analysis	IS 7754
473	MECHANICAL-METALLOGRAPHY TEST	Gray cast iron & SG Iron products	Microstructure Graphite Flakes /Nodules Type ,Size Distribution characteristic and matrix analysis	ASTM 247
474	MECHANICAL-METALLOGRAPHY TEST	Gray cast Iron & SG Iron products	Microstructure Graphite Flakes /Nodules Type ,Size Distribution characteristic and matrix analysis	ISO 945-1

SCOPE OF ACCREDITATION

Laboratory Name :	TII TECHNO TESTING SERVICES PVT LTD, 238/16, AATHANACHERI VILLAGE, PADAPPAI, CHENNAI, KANCHIPURAM, TAMIL NADU, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6618	**Page No**	29 of 34
Validity	22/08/2021 to 21/08/2023	**Last Amended on**	26/01/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
475	MECHANICAL-METALLOGRAPHY TEST	Metallic / Non Metallic coatings on ferrous , Aluminium , Copper Base etc.	Coating Thickness by Microscopic Method	ASTM B487
476	MECHANICAL-METALLOGRAPHY TEST	Metallic /Non metallic coating on ferrous ,Aluminum ,copper base etc	Coating thickness by microscopic method	IS 3203
477	MECHANICAL-METALLOGRAPHY TEST	Metallic /Non metallic coating on ferrous ,Aluminum ,copper base etc	Coating Thickness by Microscopic Method	IS101 PT3 SEC:2
478	MECHANICAL-METALLOGRAPHY TEST	Metallic /Non metallic coating on ferrous ,Aluminum ,copper base etc	Coating Thickness by Microscopic method	ISO 1463
479	MECHANICAL-METALLOGRAPHY TEST	Microstructure Graphite Flakes /Nodules Type ,Size Distribution characteristic and matrix analysis	Microstructure	ASM Handbook Vol.9
480	MECHANICAL-METALLOGRAPHY TEST	Non ferrous material and alloys	Grain size, Austenitic grain size by comparative method	ASTM E112
481	MECHANICAL-METALLOGRAPHY TEST	Non ferrous material and alloys	Grain size, Austenitic grain size by comparative method	IS4748
482	MECHANICAL-METALLOGRAPHY TEST	Non ferrous material and alloys	Macro Examination analysis	ASTM E340
483	MECHANICAL-METALLOGRAPHY TEST	Non ferrous material and alloys	Macro Examination analysis	ASME SEC IX
484	MECHANICAL-METALLOGRAPHY TEST	Non ferrous material and alloys	Macro Examination analysis	DIN EN 1321
485	MECHANICAL-METALLOGRAPHY TEST	Non ferrous material and alloys	Macro Examination analysis	IS12573
486	MECHANICAL-METALLOGRAPHY TEST	Non ferrous material and alloys	Macro Examination analysis	IS3600
487	MECHANICAL-METALLOGRAPHY TEST	Non ferrous material and alloys	Macro Examination anaysis	BS EN ISO 9606
488	MECHANICAL-METALLOGRAPHY TEST	Steel Products	Depth of Decarburization by Microscopic Method	IS 6396
489	MECHANICAL-METALLOGRAPHY TEST	Steel Products	Inclusion Rating Method	IS 4163
490	MECHANICAL-METALLOGRAPHY TEST	Welded joints	Macro Examination analysis	ASME SEC IX
491	MECHANICAL-METALLOGRAPHY TEST	Welded joints	Macro Examination analysis	ASTM E340
492	MECHANICAL-METALLOGRAPHY TEST	Welded joints	Macro Examination Analysis	BS EN ISO 9606
493	MECHANICAL-METALLOGRAPHY TEST	Welded joints	Macro Examination Analysis	DIN EN 1321

SCOPE OF ACCREDITATION

Laboratory Name : TII TECHNO TESTING SERVICES PVT LTD, 238/16, AATHANACHERI VILLAGE, PADAPPAI, CHENNAI, KANCHIPURAM, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6618 **Page No** 30 of 34

Validity 22/08/2021 to 21/08/2023 **Last Amended on** 26/01/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
494	MECHANICAL- METALLOGRAPHY TEST	Welded joints	Macro Examination analysis	DIN EN ISO 15614
495	MECHANICAL- METALLOGRAPHY TEST	Welded joints	Macro Examination Analysis	IS3600
496	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Durometer Hardness (Shore D)	ASTMD2240
497	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber and Rubber Products	Durometer Hardness (Shore A)	ASTM D2240
498	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Product	% Elongation ar Break	IS 3400-Part -1 (2021) ASTM D412
499	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Product	Tensile	IS 3400-Part -1 (2021), ASTM D412

SCOPE OF ACCREDITATION

Laboratory Name : TII TECHNO TESTING SERVICES PVT LTD, 238/16, AATHANACHERI VILLAGE, PADAPPAI, CHENNAI, KANCHIPURAM, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6618 **Page No** 31 of 34

Validity 22/08/2021 to 21/08/2023 **Last Amended on** 26/01/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Site Facility				
1	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	TSPL/WET/SS/2021
2	CHEMICAL- METALS & ALLOYS	Aluminium based alloy	Cobalt	ASTM E1916 POES AND XRF METHOD
3	CHEMICAL- METALS & ALLOYS	Aluminum base alloy	Chromium	ASTM E1916 XRF METHOD:
4	CHEMICAL- METALS & ALLOYS	Aluminum base alloy	Cobalt	ASTM E1916 XRF METHOD:
5	CHEMICAL- METALS & ALLOYS	Aluminum base alloy	Copper	ASTM E1916 XRF METHOD:
6	CHEMICAL- METALS & ALLOYS	Aluminum base alloy	Iron	ASTM E1916 XRF METHOD:
7	CHEMICAL- METALS & ALLOYS	Aluminum base alloy	Lead	ASTM E1916 XRF METHOD:
8	CHEMICAL- METALS & ALLOYS	Aluminum base alloy	Magnesium	ASTM E1916 POES AND XRF METHOD:
9	CHEMICAL- METALS & ALLOYS	Aluminum base alloy	Manganese	ASTM E1916 XRF METHOD:
10	CHEMICAL- METALS & ALLOYS	Aluminum base alloy	Nickel	ASTM E1916 XRF METHOD:
11	CHEMICAL- METALS & ALLOYS	Aluminum base alloy	Silicon	ASTM E1916 POES AND XRF METHOD:
12	CHEMICAL- METALS & ALLOYS	Aluminum base alloy	Tin	ASTM E1916 XRF METHOD:
13	CHEMICAL- METALS & ALLOYS	Aluminum base alloy	Zinc	ASTM E1916 POES AND XRF METHOD:
14	CHEMICAL- METALS & ALLOYS	Copper base alloy	Aluminium	ASTM E1916 POES AND HANDLED XRF:
15	CHEMICAL- METALS & ALLOYS	Copper base alloy	Antimony	ASTM E1916 POES:
16	CHEMICAL- METALS & ALLOYS	Copper base alloy	Bismuth	ASTM E1916 POES AND HANDLED XRF:
17	CHEMICAL- METALS & ALLOYS	Copper base alloy	Cadmium	ASTM E1916 POES:
18	CHEMICAL- METALS & ALLOYS	Copper base alloy	Cobalt	ASTM E1916 POES AND HANDLED XRF

SCOPE OF ACCREDITATION

Laboratory Name : TII TECHNO TESTING SERVICES PVT LTD, 238/16, AATHANACHERI VILLAGE, PADAPPAI, CHENNAI, KANCHIPURAM, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6618 **Page No** 32 of 34

Validity 22/08/2021 to 21/08/2023 **Last Amended on** 26/01/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
19	CHEMICAL- METALS & ALLOYS	Copper base alloy	Iron	ASTM E1916 POES AND HANDLED XRF::
20	CHEMICAL- METALS & ALLOYS	Copper base alloy	Lead	ASTM E1916 POES ANE HANDLED XRF
21	CHEMICAL- METALS & ALLOYS	Copper base alloy	Manganese	ASTM E1916 POES AND HANDLED XRF:
22	CHEMICAL- METALS & ALLOYS	Copper base alloy	Nickel	ASTM E1916 POES AND HANDLED XRF:
23	CHEMICAL- METALS & ALLOYS	Copper base alloy	Phophorus	ASTM E1916 POES:
24	CHEMICAL- METALS & ALLOYS	Copper base alloy	Silicon	ASTM E1916 HANDLED XRF: 2
25	CHEMICAL- METALS & ALLOYS	Copper base alloy	Silver	ASTM E1916 POES:
26	CHEMICAL- METALS & ALLOYS	Copper base alloy	Sulphur	ASTM E1916 POES:
27	CHEMICAL- METALS & ALLOYS	Copper base alloy	Tin ,	ASTM E1916 POES AND HANDLED XRF:
28	CHEMICAL- METALS & ALLOYS	Copper base alloy	Zinc	ASTM E1916 POES AND HANDLED XRF:
29	CHEMICAL- METALS & ALLOYS	Copper based alloy	Aluminium	ASTM E1916 POES AND HANDLED XRF
30	CHEMICAL- METALS & ALLOYS	Copper based alloy	Cobalt	ASTM E1916 POES AND HANDLED XRF
31	CHEMICAL- METALS & ALLOYS	Copper based alloy	Iron	ASTM E1916 POES AND HANDLED XRF:
32	CHEMICAL- METALS & ALLOYS	Copper based alloy	Lead	ASTM E1916 POES AND HANDLED XRF
33	CHEMICAL- METALS & ALLOYS	Copper based alloy	Manganese	ASTM E1916 POES AND HANDLED XRF:
34	CHEMICAL- METALS & ALLOYS	Copper based alloy	Nickel	ASTM E1916 POES AND HANDLED XRF
35	CHEMICAL- METALS & ALLOYS	Copper based alloy	Silicon	ASTM E1916 POES AND HANDLED XRF
36	CHEMICAL- METALS & ALLOYS	Copper Based Alloy	Tin ,	ASTM E1916 POES AND HANDLED XRF
37	CHEMICAL- METALS & ALLOYS	Copper based alloy	Zinc	ASTM E1916 POES AND HANDLED XRF

SCOPE OF ACCREDITATION

Laboratory Name : TII TECHNO TESTING SERVICES PVT LTD, 238/16, AATHANACHERI VILLAGE, PADAPPAI, CHENNAI, KANCHIPURAM, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6618 **Page No** 33 of 34

Validity 22/08/2021 to 21/08/2023 **Last Amended on** 26/01/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
38	CHEMICAL- METALS & ALLOYS	Iron Base Alloy - Low Alloy Steel , Stainless Steel , Tool Steel , Free Cutting Steel , Cast Iron	Aluminum	ASTM E1916 POES :
39	CHEMICAL- METALS & ALLOYS	Iron Base Alloy - Low Alloy Steel , Stainless Steel , Tool Steel , Free Cutting Steel , Cast Iron	Boron	ASTM E1916 POES
40	CHEMICAL- METALS & ALLOYS	Iron Base Alloy - Low Alloy Steel , Stainless Steel , Tool Steel , Free Cutting Steel , Cast Iron	Carbon	ASTM E1916 POES :
41	CHEMICAL- METALS & ALLOYS	Iron Base Alloy - Low Alloy Steel , Stainless Steel , Tool Steel , Free Cutting Steel , Cast Iron	Chromium	ASTM E1916 POES AND HANDLED XRF::
42	CHEMICAL- METALS & ALLOYS	Iron Base Alloy - Low Alloy Steel , Stainless Steel , Tool Steel , Free Cutting Steel , Cast Iron	Cobalt	ASTM E1916 POES AND HANDLED XRF:
43	CHEMICAL- METALS & ALLOYS	Iron Base Alloy - Low Alloy Steel , Stainless Steel , Tool Steel , Free Cutting Steel , Cast Iron	Manganese	ASTM E1916 POES AND XRF METHOD :
44	CHEMICAL- METALS & ALLOYS	Iron Base Alloy - Low Alloy Steel , Stainless Steel , Tool Steel , Free Cutting Steel , Cast Iron	Molybdenum	ASTM E1916 POES AND HANDLED XRF :
45	CHEMICAL- METALS & ALLOYS	Iron Base Alloy - Low Alloy Steel , Stainless Steel , Tool Steel , Free Cutting Steel , Cast Iron	Nickel	ASTM E1916 POES AND HANDLED XRF:
46	CHEMICAL- METALS & ALLOYS	Iron Base Alloy - Low Alloy Steel , Stainless Steel , Tool Steel , Free Cutting Steel , Cast Iron	Niobium	ASTM E1916 POES AND HANDLED XRF:
47	CHEMICAL- METALS & ALLOYS	Iron Base Alloy - Low Alloy Steel , Stainless Steel , Tool Steel , Free Cutting Steel , Cast Iron	Phosphorus	ASTM E1916 POES :
48	CHEMICAL- METALS & ALLOYS	Iron Base Alloy - Low Alloy Steel , Stainless Steel , Tool Steel , Free Cutting Steel , Cast Iron	Silicon	ASTM E1916 XRF METHOD::
49	CHEMICAL- METALS & ALLOYS	Iron Base Alloy - Low Alloy Steel , Stainless Steel , Tool Steel , Free Cutting Steel , Cast Iron	Silicon	ASTM E1916 POES AND XRF METHOD:
50	CHEMICAL- METALS & ALLOYS	Iron Base Alloy - Low Alloy Steel , Stainless Steel , Tool Steel , Free Cutting Steel , Cast Iron	Sulphur	ASTM E1916 POES :
51	CHEMICAL- METALS & ALLOYS	Iron Base Alloy - Low Alloy Steel , Stainless Steel , Tool Steel , Free Cutting Steel , Cast Iron	Tin	ASTM E1916 POES :
52	CHEMICAL- METALS & ALLOYS	Iron Base Alloy - Low Alloy Steel , Stainless Steel , Tool Steel , Free Cutting Steel , Cast Iron	Titanium	ASTM E1916 POES :
53	CHEMICAL- METALS & ALLOYS	Iron Base Alloy - Low Alloy Steel , Stainless Steel , Tool Steel , Free Cutting Steel , Cast Iron	Tungsten	ASTM E1916 POES AND HANDLED XRF:
54	CHEMICAL- METALS & ALLOYS	Nickel base alloy	Molybdenium	ASTM E1916 POES AND XRF METHOD:
55	CHEMICAL- METALS & ALLOYS	Nickel based alloy	Aluminium	ASTM E1916 POES AND XRF METHOD
56	CHEMICAL- METALS & ALLOYS	Nickel based alloy	Chromium	ASTM E1916 POES AND XRF METHOD

SCOPE OF ACCREDITATION

Laboratory Name : TII TECHNO TESTING SERVICES PVT LTD, 238/16, AATHANACHERI VILLAGE, PADAPPAI, CHENNAI, KANCHIPURAM, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6618 **Page No** 34 of 34

Validity 22/08/2021 to 21/08/2023 **Last Amended on** 26/01/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
57	CHEMICAL- METALS & ALLOYS	Nickel based alloy	Cobalt	ASTM E1916 POES AND XRF METHOD
58	CHEMICAL- METALS & ALLOYS	Nickel based alloy	Copper	ASTM E1916 POES:
59	CHEMICAL- METALS & ALLOYS	Nickel based alloy	Iron	ASTM E1916 POES AND XRF METHOD
60	CHEMICAL- METALS & ALLOYS	Nickel based alloy	Manganese	ASTM E1916 POES AND XRF METHOD
61	CHEMICAL- METALS & ALLOYS	Nickel based alloy	Molybdenum	ASTM E1916 POES AND XRF METHOD
62	CHEMICAL- METALS & ALLOYS	Nickel based alloy	Niobium	ASTM E1916 POES AND XRF METHOD
63	CHEMICAL- METALS & ALLOYS	Nickel based alloy	Silicon	ASTM E1916 POES AND XRF METHOD
64	CHEMICAL- METALS & ALLOYS	Nickel based alloy	Titanium	ASTM E1916 POES AND XRF METHOD
65	CHEMICAL- METALS & ALLOYS	Nickel based alloy	Tungsten	ASTM E1916 POES AND XRF METHOD
66	CHEMICAL- METALS & ALLOYS	Nickel based alloy	Vanadium	ASTM E1916 POES AND XRF METHOD
67	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS 228 Part - 1 WET METHOD:
68	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS9879 OES METHOD:
69	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E1086 , OES METHOD:
70	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 228 Part - 6 WET METHOD:
71	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E353 WET METHOD:
72	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 228 Part - 5 WET METHOD:
73	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	IS 228 Part - 3 WET METHOD: