National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6247 **Page No** 1 of 54

Validity 06/04/2024 to 03/09/2025 **Last Amended on** -

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- BUILDING MATERIAL	Admixture	Ash Content	IS 9103
2	CHEMICAL- BUILDING MATERIAL	Admixture	Chloride	IS 6925, Cl. 5
3	CHEMICAL- BUILDING MATERIAL	Admixture	Dry Material Content	IS 9103
4	CHEMICAL- BUILDING MATERIAL	Admixture	pH	IS 9103
5	CHEMICAL- BUILDING MATERIAL	Admixture	Relative Density	IS 9103
6	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, SRPC, PSC)	Alkali Content - Potassium as K2O	IS 4032 Cl. 4.11
7	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, SRPC, PSC)	Alkali Content - Sodium as Na2O	IS 4032 Cl. 4.11
8	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, SRPC, PSC)	Alumina as Al2O3	IS 4032 Cl. 4.6.2
9	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, SRPC, PSC)	Calcium oxide as CaO	IS 4032 Cl. 4.7.2
10	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, SRPC, PSC)	Chloride Content	IS 4032 Clause 4.13
11	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, SRPC, PSC)	Insoluble Residue	IS 4032 Cl. 4.10
12	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, SRPC, PSC)	Iron oxide as Fe2O3	IS 4032 Cl. 4.5.2
13	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, SRPC, PSC)	Magnesia as MgO	IS 4032 Cl. 4.8.2
14	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, SRPC, PSC)	Silica as SiO2	IS 4032 Cl. 4.3
15	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, SRPC, PSC)	Total loss on ignition	IS 4032 Cl. 4.2
16	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, SRPC, PSC)	Total Sulphur content calculated as Sulphuric anhydride (SO3)	IS 4032 Cl. 4.9
17	CHEMICAL- BUILDING MATERIAL	Fly ash (Siliceous & Calcareous)	Chloride Content	IS 4032 ,Cl. 4.13
18	CHEMICAL- BUILDING MATERIAL	Fly ash (Siliceous & Calcareous)	Combined ferric and alumina	IS 1727, Cl. 5.5

SCOPE OF ACCREDITATION

Laboratory Name :	OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-6247
Page No	2 of 54
Validity	06/04/2024 to 03/09/2025
Last Amended on	-

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- BUILDING MATERIAL	Fly ash (Siliceous & Calcareous)	Magnesia as MgO	IS 1727, Cl. 5.9
20	CHEMICAL- BUILDING MATERIAL	Fly ash (Siliceous & Calcareous)	Silica as SiO2	IS 1727, Cl. 5.4
21	CHEMICAL- BUILDING MATERIAL	Fly ash (Siliceous & Calcareous)	Total loss on ignition	IS 1727 , Cl. 5.3
22	CHEMICAL- BUILDING MATERIAL	Fly ash (Siliceous & Calcareous)	Total Sulphur content calculated as Sulphuric anhydride (SO3)	IS 1727, Cl. 4.8.2
23	CHEMICAL- CORROSION TESTS	Corrosion Test for Coated, Painted, Plated, Galvanized Materials	Salt Spray test (Fog Type)	ASTM B 117
24	CHEMICAL- CORROSION TESTS	Corrosion Test for Coated, Painted, Plated, Galvanized Materials	Salt Spray test (Fog Type)	IS 101 (Part 6/sec 1) Cl. 3
25	CHEMICAL- CORROSION TESTS	Corrosion Test for Coated, Painted, Plated, Galvanized Materials, Organic coated & Non organic Coated samples	Neutral Salt Spray Test	ISO 9227 CL: 5.2.2
26	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Aluminium	ASTM E1916
27	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Aluminium, Chrominum, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Nickel, Silicon, Tin, Titanium, Vanadium, Zinc	ASTM E1916
28	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Boron	ASTM E1251
29	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Chromium	ASTM E1251
30	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Chromium	ASTM E1916
31	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Cobalt	ASTM E1251
32	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Cobalt	ASTM E1916
33	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Copper	ASTM E1251
34	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Copper	ASTM E1916
35	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Iron	ASTM E1251

SCOPE OF ACCREDITATION

Laboratory Name : OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6247 **Page No** 3 of 54

Validity 06/04/2024 to 03/09/2025 **Last Amended on** -

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 Alloys	Iron	ASTM E1916
37	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Lead	ASTM E1251
38	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Lead	ASTM E1916
39	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Magnesium	ASTM E1251
40	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Manganese	ASTM E1251
41	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Nickel	ASTM E1251
42	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Silicon	ASTM E1251
43	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Tin	ASTM E1251
44	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Titanium	ASTM E1251
45	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Vanadium	ASTM E1251
46	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Zinc	ASTM E1251
47	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Zirconium	ASTM E1251
48	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Carbon	ASTM E 1999
49	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Carbon	JIS G 1253
50	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Chromium	ASTM E 1999
51	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Chromium	JIS G 1253
52	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Copper	ASTM E 1999
53	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Copper	JIS G 1253
54	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Magnesium	ASTM E 1999

SCOPE OF ACCREDITATION

Laboratory Name :	OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-6247
Page No	4 of 54
Validity	06/04/2024 to 03/09/2025
Last Amended on	-

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	Cast Iron & Alloy Cast Iron	Magnesium	JIS G 1253
56	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Manganese	ASTM E 1999
57	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Manganese	JIS G 1253
58	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Molybdenum	ASTM E 1999
59	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Molybdenum	JIS G 1253
60	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Nickel	ASTM E 1999
61	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Nickel	JIS G 1253
62	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Phosphorous	ASTM E 1999
63	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Phosphorous	JIS G 1253
64	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Silicon	ASTM E 1999
65	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Silicon	JIS G 1253
66	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Sulphur	ASTM E 1999
67	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Sulphur	JIS G 1253
68	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Vanadium	ASTM E 1999
69	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Vanadium	JIS G 1253
70	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Aluminium	OIAL/Co/TP/03:
71	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Aluminium, Copper, Chrominum, Cobalt, Iron, Manganese, Molybdenum, Nickel, Niobium, Silicon, Titanium, Tungsten, Vanadium	ASTM E1916:
72	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Carbon	OIAL/Co/TP/03:

SCOPE OF ACCREDITATION

Laboratory Name : OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6247 **Page No** 5 of 54

Validity 06/04/2024 to 03/09/2025 **Last Amended on** -

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
73	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Chromium	OIAL/Co/TP/03:
74	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Copper	OIAL/Co/TP/03:
75	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Iron	OIAL/Co/TP/03:
76	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Manganese	OIAL/Co/TP/03:
77	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Molybdenum	OIAL/Co/TP/03:
78	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Nickel	OIAL/Co/TP/03:
79	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Niobium	OIAL/Co/TP/03:
80	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Nitrogen	OIAL/Co/TP/03:
81	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Silicon	OIAL/Co/TP/03:
82	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Titanium	OIAL/Co/TP/03:
83	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Tungsten	OIAL/Co/TP/03:
84	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Vanadium	OIAL/Co/TP/03:
85	CHEMICAL- METALS & ALLOYS	Copper Base Alloy	Chromium	BS EN 15079
86	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Aluminium	BS EN 15079
87	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Antimony	BS EN 15079
88	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Arsenic	BS EN 15079
89	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Beryllium	BS EN 15079
90	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Bismuth	BS EN 15079
91	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Chromium	ASTM E1916

SCOPE OF ACCREDITATION

Laboratory Name : OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6247 **Page No** 6 of 54

Validity 06/04/2024 to 03/09/2025 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
92	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Chromium, Copper, Iron, Lead, Manganese, Nickel, Tin, Zinc	ASTM E1916
93	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Cobalt	BS EN 15079
94	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Copper	ASTM E1916
95	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Iron	ASTM E1916
96	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Iron	BS EN 15079
97	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Lead	ASTM E1916
98	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Lead	BS EN 15079
99	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Magnesium	BS EN 15079
100	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Manganese	ASTM E1916
101	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Manganese	BS EN 15079
102	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Nickel	ASTM E1916
103	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Nickel	BS EN 15079
104	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Phosphorous	BS EN 15079
105	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Silicon	BS EN 15079
106	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Silver	BS EN 15079
107	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Sulphur	BS EN 15079
108	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Tin	ASTM E1916
109	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Tin	BS EN 15079
110	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Zinc	ASTM E1916

SCOPE OF ACCREDITATION

Laboratory Name : OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6247 **Page No** 7 of 54

Validity 06/04/2024 to 03/09/2025 **Last Amended on** -

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
111	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Zinc	BS EN 15079
112	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Antimony	ASTM E 1916
113	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Antimony, Chromium, Cobalt, Copper, Iron, Lead, Manganese, Molybdenum, Nickel, Niobium, Tin, Titanium, Tungsten, Vanadium	ASTM E 1916
114	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Chromium	ASTM E 1916
115	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Cobalt	ASTM E 1916
116	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Copper	ASTM E 1916
117	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Iron	ASTM E 1916
118	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Lead	ASTM E 1916
119	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Manganese	ASTM E 1916
120	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Molybdenum	ASTM E 1916
121	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Nickel	ASTM E 1916
122	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Niobium	ASTM E 1916
123	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Tin	ASTM E 1916
124	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Titanium	ASTM E 1916
125	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Tungsten	ASTM E 1916
126	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Vanadium	ASTM E 1916
127	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Aluminium	ASTM E3047
128	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Aluminium	OIAL/NI/TP-01

SCOPE OF ACCREDITATION

Laboratory Name : OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6247 **Page No** 8 of 54

Validity 06/04/2024 to 03/09/2025 **Last Amended on** -

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
129	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Boron	ASTM E3047
130	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Carbon	ASTM E3047
131	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Carbon	OIAL/NI/TP-01
132	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Chromium	ASTM E3047
133	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Cobalt	ASTM E3047
134	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Cobalt	OIAL/NI/TP-01
135	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Copper	ASTM E 3047
136	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Copper	OIAL/NI/TP-01
137	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Iron	ASTM E 3047
138	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Iron	OIAL/NI/TP-01
139	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Magnesium	ASTM E3047
140	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Manganese	ASTM E 3047
141	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Manganese	OIAL/NI/TP-01
142	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Molybdenum	ASTM E 3047
143	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Molydenum	OIAL/NI/TP-01
144	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Nickel, Chromium, Cobalt, Copper, Iron, Manganese, Molybdenum, Niobium, Titanium, Tungsten, Vanadium	ASTM E 1916
145	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Niobium	ASTM E 3047
146	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Niobium	OIAL/NI/TP-01

SCOPE OF ACCREDITATION

Laboratory Name : OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6247 **Page No** 9 of 54

Validity 06/04/2024 to 03/09/2025 **Last Amended on** -

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
147	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Phosphorous	ASTM E 3047
148	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Phosphorous	OIAL/NI/TP-01
149	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Silicon	ASTM E 3047
150	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Silicon	OIAL/NI/TP-01
151	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Sulphur	ASTM E 3047
152	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Sulphur	OIAL/NI/TP-01
153	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Tantalum	ASTM E3047
154	CHEMICAL- METALS & ALLOYS	Nickel Base alloy	Titanium	ASTM E 3047
155	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Titanium	OIAL/NI/TP-01
156	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Tungsten	ASTM E 3047
157	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Tungsten	OIAL/NI/TP-01
158	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Vanadium	ASTM E 3047
159	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Vanadium	OIAL/NI/TP-01
160	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Zirconium	ASTM E3047
161	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Chromium	OIAL/NI/TP-01
162	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Aluminium	ASTM E415
163	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Aluminium	IS 8811
164	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Aluminium	JIS G1253
165	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Boron	ASTM E415

SCOPE OF ACCREDITATION

Laboratory Name : OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6247 **Page No** 10 of 54

Validity 06/04/2024 to 03/09/2025 **Last Amended on** -

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
166	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Boron	IS 8811
167	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Boron	JIS G1253
168	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Carbon	ASTM E415
169	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Carbon	IS 8811
170	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Carbon	JIS G1253
171	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Chromium	ASTM E415
172	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Chromium	IS 8811
173	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Chromium	JIS G1253
174	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Cobalt	ASTM E415
175	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Cobalt	IS 8811
176	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Cobalt	JIS G1253
177	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Copper	ASTM E415
178	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Copper	IS 8811
179	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Copper	JIS G1253
180	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Lead	ASTM E415
181	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Lead	JIS G1253
182	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Manganese	ASTM E415
183	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Manganese	IS 8811
184	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Manganese	JIS G1253

SCOPE OF ACCREDITATION

Laboratory Name : OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6247 **Page No** 11 of 54

Validity 06/04/2024 to 03/09/2025 **Last Amended on** -

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
185	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Molybdenum	ASTM E415
186	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Molybdenum	IS 8811
187	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Molybdenum	JIS G1253
188	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Nickel	ASTM E415
189	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Nickel	IS 8811
190	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Nickel	JIS G1253
191	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Niobium	ASTM E415
192	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Niobium	IS 8811
193	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Niobium	JIS G1253
194	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Nitrogen	ASTM E415
195	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Nitrogen	JIS G1253
196	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Phosphorous	ASTM E415
197	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Phosphorous	IS 8811
198	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Phosphorous	JIS G1253
199	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Silicon	ASTM E415
200	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Silicon	IS 8811
201	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Silicon	JIS G1253
202	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Sulphur	ASTM E415
203	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Sulphur	IS 8811

SCOPE OF ACCREDITATION

Laboratory Name : OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6247 **Page No** 12 of 54

Validity 06/04/2024 to 03/09/2025 **Last Amended on** -

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
204	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Sulphur	JIS G1253
205	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Titanium	ASTM E415
206	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Titanium	IS 8811
207	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Titanium	JIS G1253
208	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Tungsten	JIS G1253
209	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Vanadium	ASTM E415
210	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Vanadium	IS 8811
211	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Vanadium	JIS G1253
212	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM E1086
213	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS 9879
214	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E1086
215	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 9879
216	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E1086
217	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	IS 9879
218	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E1086
219	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS 9879
220	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E1086
221	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	IS 9879
222	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E1086

SCOPE OF ACCREDITATION

Laboratory Name : OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6247 **Page No** 13 of 54

Validity 06/04/2024 to 03/09/2025 **Last Amended on** -

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
223	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 9879
224	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	ASTM E1086
225	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	IS 9879
226	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E1086
227	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	IS 9879
228	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	ASTM E1086
229	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	IS 9879
230	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Aluminium	JIS G1253
231	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Boron	JIS G1253
232	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Carbon	JIS G1253
233	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Chromium	JIS G1253
234	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Cobalt	JIS G1253
235	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Copper	JIS G1253
236	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Manganese	JIS G1253
237	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Molybdenum	JIS G1253
238	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Nickel	JIS G1253
239	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Niobium	JIS G1253
240	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Nitrogen	JIS G1253
241	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Phosphorus	JIS G1253

SCOPE OF ACCREDITATION

Laboratory Name : OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6247 **Page No** 14 of 54

Validity 06/04/2024 to 03/09/2025 **Last Amended on** -

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
242	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Silicon	JIS G1253
243	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Sulphur	JIS G1253
244	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Titanium	JIS G1253
245	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Tungsten	JIS G1253
246	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Vanadium	JIS G1253
247	CHEMICAL- METALS & ALLOYS	Titanium Base Alloy	Iron, Tin, Chromium, Copper, Manganese, Molybdenum, Nickel, Titanium, Vanadium	ASTM E 1916
248	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Aluminium	ASTM E 2994
249	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Aluminium	OIAL/Ti/TP/02
250	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Carbon	OIAL/Ti/TP/02
251	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Chromium	ASTM E 2994
252	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Chromium	OIAL/Ti/TP/02
253	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Copper	ASTM E 2994
254	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Copper	OIAL/Ti/TP/02
255	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Iron	ASTM E 2994
256	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Iron	OIAL/Ti/TP/02
257	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Manganese	ASTM E 2994
258	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Manganese	OIAL/Ti/TP/02
259	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Molybdenum	ASTM E 2994

SCOPE OF ACCREDITATION

Laboratory Name : OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6247 **Page No** 15 of 54

Validity 06/04/2024 to 03/09/2025 **Last Amended on** -

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
260	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Molybdenum	OIAL/Ti/TP/02
261	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Nickel	ASTM E 2994
262	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Nickel	OIAL/Ti/TP/02
263	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Silicon	ASTM E 2994
264	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Silicon	OIAL/Ti/TP/02
265	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Tin	ASTM E 2994
266	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Tin	OIAL/Ti/TP/02
267	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Vanadium	ASTM E 2994
268	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Vanadium	OIAL/Ti/TP/02
269	CHEMICAL- METALS & ALLOYS	Zinc Base Alloys	Aluminium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Nickel, Tin, Zinc	ASTM E1916
270	CHEMICAL- WATER	Water for Construction Purpose	Chloride as Cl	IS 3025 Part 32,CL.2
271	CHEMICAL- WATER	Water for Construction Purpose	Inorganic Solids	IS 3025 Part 18
272	CHEMICAL- WATER	Water for Construction Purpose	Organic Solids	IS 3025 Part 18
273	CHEMICAL- WATER	Water for Construction Purpose	pH at 25° C	IS 3025 Part 11
274	CHEMICAL- WATER	Water for Construction Purpose	Quantity of 0.02N H_2SO_4 required to neutralize 100ml of water sample using mixed indicator	IS 3025 Part 23
275	CHEMICAL- WATER	Water for Construction Purpose	Quantity of 0.02N NaOH required to neutralize 100mlof water sample using phenolphthalein as an indicator	IS 3025 Part 22
276	CHEMICAL- WATER	Water for Construction Purpose	Sulphate as SO_3	IS 3025 (Part 24/Sec 1)
277	CHEMICAL- WATER	Water for Construction Purpose	Suspended Solids	IS 3025 Part 17
278	CHEMICAL- WATER	Water for Drinking Purpose	Calcium as Ca	APHA 23rd Edition (3500 Ca B)
279	CHEMICAL- WATER	Water for Drinking Purpose	Calcium as Ca	IS 3025 Part 40 Cl. 5

SCOPE OF ACCREDITATION

Laboratory Name : OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6247 **Page No** 16 of 54

Validity 06/04/2024 to 03/09/2025 **Last Amended on** -

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
280	CHEMICAL- WATER	Water for Drinking Purpose	Chloride as Cl	APHA 23rd Edition (4500 Cl- B)
281	CHEMICAL- WATER	Water for Drinking Purpose	Chloride as Cl	IS 3025 Part 32,CL.2
282	CHEMICAL- WATER	Water for Drinking Purpose	Chromium as Cr6+	APHA 23rd Edition (3500 Cr B)
283	CHEMICAL- WATER	Water for Drinking Purpose	Chromium as Cr6+	IS 3025 Part 52 Cl. 6
284	CHEMICAL- WATER	Water for Drinking Purpose	Colour	APHA 23rd Edition (2120 B)
285	CHEMICAL- WATER	Water for Drinking Purpose	Colour	IS 3025 Part 04
286	CHEMICAL- WATER	Water for Drinking Purpose	Electrical Conductivity @ 25ºC	APHA 23rd Edition (2510 B)
287	CHEMICAL- WATER	Water for Drinking Purpose	Electrical Conductivity @ 25ºC	IS 3025 Part 14
288	CHEMICAL- WATER	Water for Drinking Purpose	Fluoride as F	APHA 23rd Edition (4500F D)
289	CHEMICAL- WATER	Water for Drinking Purpose	Iron as Fe	APHA 23rd Edition (3500 Fe B)
290	CHEMICAL- WATER	Water for Drinking Purpose	Iron as Fe	IS 3025 Part 53 Cl. 6
291	CHEMICAL- WATER	Water for Drinking Purpose	Magnesium as Mg	APHA 23rd Edition (3500 Mg B)
292	CHEMICAL- WATER	Water for Drinking Purpose	Magnesium as Mg	IS 3025 Part 46 Cl. 6
293	CHEMICAL- WATER	Water for Drinking Purpose	Nitrate as NO3	APHA 23rd Edition (4500 NO3 B)
294	CHEMICAL- WATER	Water for Drinking Purpose	Odour	APHA 23rd Edition (2150 A)
295	CHEMICAL- WATER	Water for Drinking Purpose	Odour	IS 3025 Part 05
296	CHEMICAL- WATER	Water for Drinking Purpose	pH at 25º C	APHA 23rd Edition (4500 –H+ B)
297	CHEMICAL- WATER	Water for Drinking Purpose	pH at 25º C	IS 3025 Part 11
298	CHEMICAL- WATER	Water for Drinking Purpose	Residual Chlorine	IS 3025 Part 26 Cl. 4
299	CHEMICAL- WATER	Water for Drinking Purpose	Sulphate as SO4	APHA 23rd Edition(4500 - SO2-4 E)
300	CHEMICAL- WATER	Water for Drinking Purpose	Sulphate as SO4	IS 3025 (Part 24/Sec 1)
301	CHEMICAL- WATER	Water for Drinking Purpose	Total Alkalinity as CaCO3	APHA 23rd Edition ,(2320 B)
302	CHEMICAL- WATER	Water for Drinking Purpose	Total Alkalinity as CaCO3	IS 3025 Part 23
303	CHEMICAL- WATER	Water for Drinking Purpose	Total Dissolved Solids	APHA 23rd Edition (2540 C)
304	CHEMICAL- WATER	Water for Drinking Purpose	Total Dissolved Solids	IS 3025 Part 16
305	CHEMICAL- WATER	Water for Drinking Purpose	Total Hardness as CaCO3	APHA 23rd Edition (2340 C)
306	CHEMICAL- WATER	Water for Drinking Purpose	Total Hardness as CaCO3	IS 3025 Part 21 Cl. 5

SCOPE OF ACCREDITATION

Laboratory Name : OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6247 **Page No** 17 of 54

Validity 06/04/2024 to 03/09/2025 **Last Amended on** -

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
307	CHEMICAL- WATER	Water for Drinking Purpose	Turbidity	APHA 23rd Edition (2130 B)
308	CHEMICAL- WATER	Water for Drinking Purpose	Turbidity	IS 3025 Part 10
309	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Concrete Blocks (AAC Blocks)	Block Density	IS 6441 (Part-1)
310	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Concrete Blocks (AAC Blocks)	Compressive Strength	IS 6441 (Part-5)
311	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Concrete Blocks (AAC Blocks)	Moisture Content	IS 6441 (Part 1)
312	MECHANICAL- BUILDINGS MATERIALS	Bricks (Clay burned /Fly Ash)	Dimension Test - Length	IS 1077
313	MECHANICAL- BUILDINGS MATERIALS	Bricks (Clay burned) /Fly Ash	Compressive Strength	IS 3495 Part 1
314	MECHANICAL- BUILDINGS MATERIALS	Bricks (Clay burned) /Fly Ash	Efflorescence	IS 3495 Part 3
315	MECHANICAL- BUILDINGS MATERIALS	Bricks (Clay burned) /Fly Ash	Water Absorption	IS 3495 Part 2
316	MECHANICAL- BUILDINGS MATERIALS	Bricks (Clay burned/Fly Ash)	Dimension Test - Breadth	IS 1077
317	MECHANICAL- BUILDINGS MATERIALS	Bricks (Clay burned/Fly Ash)	Dimension Test - Height	IS 1077
318	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC/SRPC)	Final Setting Time	IS 4031 (Part 5)
319	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC/SRPC)	Fineness (Blain's Air Permeability method)	IS 4031 (Part 2)
320	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC/SRPC)	Normal Consistancy	IS 4031 (Part 4)
321	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC/SRPC)	Soundness (Le-Chaltier Method)	IS 4031 (Part 3)
322	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC/SRPC)	Specific Gravity	IS 4031 (Part 11)
323	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC/SRPC)	Intial Setting Time	IS 4031 (Part 5)
324	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC/SRPC)	Compressive Strength (N/mm^2)	IS 4031 (Part 6)
325	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC/SRPC)	Soundness (by Autoclave)	IS 4031 (Part 3)
326	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Abrasion Value	IS 2386 (Part 4)

SCOPE OF ACCREDITATION

Laboratory Name : OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6247 **Page No** 18 of 54

Validity 06/04/2024 to 03/09/2025 **Last Amended on** -

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
327	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density - Loose	IS 2386 (Part 3)
328	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density - Rodded	IS 2386 (Part 3)
329	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
330	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
331	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
332	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
333	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis	IS 2386 (Part 1)
334	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
335	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
336	MECHANICAL- BUILDINGS MATERIALS	Concrete Blocks (Hollow/Solid)	Block Density	IS:2185 (Part-1)
337	MECHANICAL- BUILDINGS MATERIALS	Concrete Blocks (Hollow/Solid)	Compressive -Strength	IS:2185 (Part-1)
338	MECHANICAL- BUILDINGS MATERIALS	Concrete Blocks (Hollow/Solid)	Water Absorption	IS:2185 (Part-1)
339	MECHANICAL- BUILDINGS MATERIALS	Concrete Cores	Compressive Strength	IS 516 (Part 4)
340	MECHANICAL- BUILDINGS MATERIALS	Concrete Cubes	Compressive Strength	IS 516 CL.5 & IS 516(Part 1 / Sec 1) Cl.3
341	MECHANICAL- BUILDINGS MATERIALS	Concrete Cubes - Accelerated Curing	Compressive Strength	IS 9013
342	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Compressive Strength	IS 15658
343	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Water Absorption	IS 15658
344	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate (River Sand, M. Sand, P. Sand & Crushing Sand)	Bulk Density - Loose	IS 2386 (Part 3)
345	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate (River Sand, M. Sand, P. Sand & Crushing Sand)	Bulk Density - Rodded	IS 2386 (Part 3)

SCOPE OF ACCREDITATION

Laboratory Name : OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6247 **Page No** 19 of 54

Validity 06/04/2024 to 03/09/2025 **Last Amended on** -

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
346	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate (River Sand, M. Sand, P. Sand & Crushing Sand)	Bulking	IS 2386 (Part-3)
347	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate (River Sand, M. Sand, P. Sand & Crushing Sand)	Moisture Content	IS 2386 (Part-3)
348	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate (River Sand, M. Sand, P. Sand & Crushing Sand)	Sieve Analysis	IS 2386 (Part 1)
349	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate (River Sand, M. Sand, P. Sand & Crushing Sand)	Silt Content	IS 2386 (Part 2)
350	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate (River Sand, M. Sand, P. Sand & Crushing Sand)	Specific Gravity	IS 2386 (Part 3)
351	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate (River Sand, M. Sand, P. Sand & Crushing Sand)	Water Absorption	IS 2386 (Part 3)
352	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Fineness by (Blain's Air Permeability method)	IS 1727
353	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Residue on 45 micron IS sieve	IS 1727
354	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Soundness (by Autoclave)	IS 1727
355	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Specific Gravity	IS 1727
356	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Coupler (Static Tensile Test)	Tensile Strength	IS 1608 (Part 1)
357	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Coupler (Static Tensile Test)	Tensile Strength	IS 16172
358	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Coupler(Static Tensile Test)	Total Elongation at Maximum force	IS 16172
359	MECHANICAL- BUILDINGS MATERIALS	Reinforcing Steel	0.2% Proof Stress	IS 1608 (Part 1)
360	MECHANICAL- BUILDINGS MATERIALS	Reinforcing Steel	Bend Test	IS 1599
361	MECHANICAL- BUILDINGS MATERIALS	Reinforcing Steel	Deformation Geometry (Area of Transverse Rib)	IS 1786
362	MECHANICAL- BUILDINGS MATERIALS	Reinforcing Steel	Elongation	IS 1608 (Part-1)
363	MECHANICAL- BUILDINGS MATERIALS	Reinforcing Steel	Rebend Test	IS 1786
364	MECHANICAL- BUILDINGS MATERIALS	Reinforcing Steel	Total Elongation at Maximum Force	IS 1608 (Part-1)

SCOPE OF ACCREDITATION

Laboratory Name : OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6247 **Page No** 20 of 54

Validity 06/04/2024 to 03/09/2025 **Last Amended on** -

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
365	MECHANICAL- BUILDINGS MATERIALS	Reinforcing Steel	TS/YS Ratio	IS 1786
366	MECHANICAL- BUILDINGS MATERIALS	Reinforcing Steel	Ultimate Tensile Stress	IS 1608 (Part-1)
367	MECHANICAL- BUILDINGS MATERIALS	Reinforcing Steel	Unit Weight	IS 1786
368	MECHANICAL- BUILDINGS MATERIALS	Reinforcing Steel	Yield Stress	IS 1608 (Part-1)
369	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Brinell Hardness - HBW 10/3000	ASTM E10
370	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Brinell Hardness - HBW 2.5/187.5	ASTM E10
371	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Brinell Hardness -HBW (5/750)	ASTM E10
372	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Low Alloy Steels ,Stainless Steels	Shear Strength	SA 263 CL -7.2.1
373	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Titanium Base Alloys, Nickel Base Alloys	Rockwell Hardness (HRC)	ASTM E18
374	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium Base Alloys	Reduction in area %	ASTM B 557M
375	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium Base Alloys,	% of Elongation	ASTM B 557M
376	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium Base Alloys,	0.2% Proof Stress	ASTM B 557M
377	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium Base Alloys,	0.2% Proof Stress	ASTM B 557M
378	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium Base Alloys,	Tensile Strength	ASTM B 557M
379	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys,	Yield Strength	ASTM B 557M

SCOPE OF ACCREDITATION

Laboratory Name : OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6247 **Page No** 21 of 54

Validity 06/04/2024 to 03/09/2025 **Last Amended on** -

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
380	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys	Brinell Hardness - HBW 10/1000	IS 1500 (Part 1)
381	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys,	Brinell Hardness - HBW 10/1000	ASTM E10
382	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys,	Brinell Hardness - HBW 10/1000	BS-EN-ISO-6506-1
383	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys,	Brinell Hardness - HBW 10/1000	ISO-6506-1
384	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	0.2%Proof stress	ASTM E 8 / E8M
385	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	0.2%Proof stress	ASTM E 8 / E8M
386	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	0.2%Proof stress	BS-EN-ISO-6892-1
387	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	0.2%Proof stress	BS-EN-ISO-6892-1
388	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	0.2%Proof stress	IS 1608 (Part 1)
389	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	0.2%Proof stress	IS 1608 (Part 1)
390	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	0.2%Proof stress	ISO-6892-1
391	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	0.2%Proof stress	ISO-6892-1
392	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Bend	BS EN ISO-7438
393	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Bend	IS 1599

SCOPE OF ACCREDITATION

Laboratory Name :	OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-6247
Page No	22 of 54
Validity	06/04/2024 to 03/09/2025
Last Amended on	-

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
394	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Bend	ISO-7438
395	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Elevated Temperature Test - Elongation	ASTM E21
396	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Elevated Temperature Test - Elongation	BS-EN-ISO-6892-P2
397	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Elevated Temperature Test - Elongation	ISO-6892-P2
398	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Elevated Temperature Test - Reduction Area	ASTM E21
399	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Elevated Temperature Test - Reduction Area	BS-EN-ISO-6892-P2
400	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Elevated Temperature Test - Reduction Area	ISO-6892-P2
401	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Elevated Temperature Test - Yield Strength	ASTM E21
402	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Elevated Temperature Test - Yield Strength	BS-EN-ISO-6892-P2
403	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Elevated Temperature Test - Yield Strength	ISO-6892-P2
404	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Elevated Temperature Test-Tensile Strength	ASTM E21
405	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Elevated Temperature Test-Tensile Strength	ASTM E21
406	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Elevated Temperature Test-Tensile Strength	BS-EN-ISO-6892-P2
407	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Elevated Temperature Test-Tensile Strength	BS-EN-ISO-6892-P2

SCOPE OF ACCREDITATION

Laboratory Name : OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6247 **Page No** 23 of 54

Validity 06/04/2024 to 03/09/2025 **Last Amended on** -

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
408	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Elevated Temperature Test-Tensile Strength	ISO-6892-P2
409	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Elevated Temperature Test-Tensile Strength	ISO-6892-P2
410	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Elongation	ASTM E8/E8M
411	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Flattening test (Tubes & Pipes)	BS EN ISO-8492
412	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Flattening test (Tubes & Pipes)	IS 2328
413	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Flattening test (Tubes & Pipes)	ISO 8492
414	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Impact Test - Charpy (-196°C to +100°C)	ASTM E23
415	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Impact Test - Charpy (-196°C to +100°C)	ASTM A370
416	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Impact Test - Charpy (-196°C to Ambient temperature)	BS-EN-148-1
417	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Impact Test - Charpy (-196°C to Ambient temperature)	IS 1499
418	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Impact Test - Charpy (-196°C to Ambient temperature)	IS:1757(Part 1)
419	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Impact Test - Charpy (-196°C to Ambient temperature)	ISO-148-P1
420	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Impact Test - Izod (Ambient Temperature)	IS 1598
421	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Micro Vickers - HV 0.1	ASTM E384

SCOPE OF ACCREDITATION

Laboratory Name : OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6247 **Page No** 24 of 54

Validity 06/04/2024 to 03/09/2025 **Last Amended on** -

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
422	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Micro Vickers - HV 0.1	ASTM E92
423	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Micro Vickers - HV 0.1	IS 1501 (Part 1)
424	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Micro Vickers - HV 0.3	ASTM E384
425	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Micro Vickers - HV 0.3	ASTM E92
426	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Micro Vickers - HV 0.3	IS 1501(Part 1)
427	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Micro Vickers - HV 0.5	ASTM E384
428	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Micro Vickers - HV 0.5	ASTM E92
429	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Micro Vickers - HV 0.5	IS 1501 (Part 1)
430	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Micro Vickers - HV 1.0	ASTM E384
431	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Micro Vickers - HV 1.0	ASTM E92
432	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Proof Load Bolt & Nut	ASTM F606/606M-CL-3.21 to 3.2.3 & 4.2,4.3
433	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Reduction Area	ASTM E8/E8M
434	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Reduction in area	BS-EN-ISO-6892-1
435	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Reduction in area	IS 1608(Part 1)

SCOPE OF ACCREDITATION

Laboratory Name :	OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-6247
Page No	25 of 54
Validity	06/04/2024 to 03/09/2025
Last Amended on	-

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
436	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Reduction in area	ISO-6892-1
437	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Rockwell Hardness (HR30N)	ASTM E18
438	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Rockwell Hardness (HR30N)	BS-EN-ISO-6508-1:
439	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Rockwell Hardness (HR30N)	IS 1586(Part 1)
440	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Rockwell Hardness (HR30N)	ISO-6508-1
441	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Rockwell Hardness (HR30TW)	ASTM E18
442	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Rockwell Hardness (HR30TW)	BS-EN-ISO-6508-1
443	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Rockwell Hardness (HR30TW)	IS 1586(Part 1)
444	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Rockwell Hardness (HR30TW)	ISO-6508-1
445	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Rockwell Hardness (HR45N)	ASTM E18
446	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Rockwell Hardness (HR45N)	BS-EN-ISO-6508-1:
447	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Rockwell Hardness (HR45N)	IS 1586(Part 1)
448	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Rockwell Hardness (HR45N)	ISO-6508-1
449	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Rockwell Hardness (HR45TW)	ASTM E18

SCOPE OF ACCREDITATION

Laboratory Name :	OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-6247
Page No	26 of 54
Validity	06/04/2024 to 03/09/2025
Last Amended on	-

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
450	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Rockwell Hardness (HR45TW)	BS-EN-ISO-6508-1
451	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Rockwell Hardness (HR45TW)	IS 1586(Part 1)
452	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Rockwell Hardness (HR45TW)	ISO-6508-1
453	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Rockwell Hardness (HRA)	ASTM E18
454	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Rockwell Hardness (HRA)	BS-EN-ISO-6508-1
455	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Rockwell Hardness (HRA)	IS 1586(Part 1)
456	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Rockwell Hardness (HRA)	ISO-6508-1
457	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Rockwell Hardness (HRBW)	ASTM E18
458	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Rockwell Hardness (HRBW)	BS-EN-ISO-6508-1
459	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Rockwell Hardness (HRBW)	IS:1586(Part 1)
460	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Rockwell Hardness (HRBW)	ISO-6508-1
461	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Rockwell Hardness (HRI5N)	ASTM E18
462	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Rockwell Hardness (HRI5N)	BS-EN-ISO-6508-1
463	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Rockwell Hardness (HRI5N)	IS 1586(Part 1)

SCOPE OF ACCREDITATION

Laboratory Name :	OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-6247
Page No	27 of 54
Validity	06/04/2024 to 03/09/2025
Last Amended on	-

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
464	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Rockwell Hardness (HRI5N)	ISO-6508-1
465	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Rockwell Hardness (HRI5TW)	ASTM E18
466	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Rockwell Hardness (HRI5TW)	ISO-6508-1
467	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Tensile Strength	ASTM E8/E8M
468	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Tensile Strength	BS-EN-ISO-6892-1
469	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Tensile strength	IS 1608(Part 1
470	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Tensile strength	ISO-6892-1
471	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Vickers Hardness - HV 5	ASTM E92
472	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Vickers Hardness - HV 5	IS 1501 (Part 1)
473	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Vickers Hardness - HV10	ASTM E92
474	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Vickers Hardness - HV10	IS 1501 (Part 1)
475	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Vickers Hardness - HV30	ASTM E92
476	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Vickers Hardness - HV30	IS 1501 (Part 1)
477	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Yield Strength	ASTM E8/E8M

SCOPE OF ACCREDITATION

Laboratory Name :	OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6247	**Page No**	28 of 54
Validity	06/04/2024 to 03/09/2025	**Last Amended on**	-

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
478	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Yield Strength	BS-EN-ISO-6892-1
479	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Yield Strength	IS 1608(Part 1)
480	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Yield Strength	ISO-6892-1
481	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys)	0.2%Proof stress	ASTM E 8 / E8M
482	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys)	0.2%Proof stress	ASTM E 8 / E8M
483	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys)	Elongation	BS-EN-ISO-6892-1
484	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys)	Elongation	IS 1608 (Part 1)
485	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys)	Elongation	ISO-6892-1
486	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys)	Micro Vickers - HV 1.0	IS 1501 (Part 1)
487	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Brinell Hardness - HBW 10/3000	BS-EN-ISO-6506-1
488	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Brinell Hardness - HBW 10/3000	IS 1500 (Part 1)
489	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Brinell Hardness - HBW 10/3000	ISO-6506-1
490	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Brinell Hardness - HBW 2.5/187.5	BS-EN-ISO-6506-1
491	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Brinell Hardness - HBW 2.5/187.5	IS 1500 (Part 1)

SCOPE OF ACCREDITATION

Laboratory Name :	OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6247	**Page No**	29 of 54
Validity	06/04/2024 to 03/09/2025	**Last Amended on**	-

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
492	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Brinell Hardness - HBW 2.5/187.5	ISO-6506-1
493	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Brinell Hardness-HBW (5/750)	BS-EN-ISO-6506-1
494	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Brinell Hardness-HBW (5/750)	IS 1500(Part 1)
495	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Brinell Hardness-HBW (5/750)	ISO-6506-1
496	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Drift Expansion test (For Tubes)	BS EN ISO 8493
497	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Drift Expansion test (For Tubes)	IS 2335
498	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Drift Expansion test (For Tubes)	ISO-8493-
499	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Low Alloy Steels, Stainless Steels	Shear Strength	ASTM A263
500	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Nickel Base Alloys	Shear Strength	ASTM A264
501	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Nickel Base Alloys	Shear Strength	SA 264-CL 7.2.1
502	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels	Reduction Area	ASTM A770/A770M
503	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels	Reduction Area	BS EN 10164
504	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels	Reduction Area	SA 770/SA-770M
505	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steel	Drift Expansion test (For Tubes)	IS 2335

SCOPE OF ACCREDITATION

Laboratory Name : OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6247 **Page No** 30 of 54

Validity 06/04/2024 to 03/09/2025 **Last Amended on** -

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
506	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels	Drift Expansion test (For Tubes)	BS EN ISO 8493
507	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels	Drift Expansion test (For Tubes)	ISO 8493
508	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels	Flattening test (Tubes & Pipes)	ASTM A 370
509	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels	Flattening test (Tubes & Pipes)	BS EN ISO-8492:
510	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels	Flattening test (Tubes & Pipes)	ISO 8492-
511	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels , Tool Steels.	Rockwell Hardness (HRC)	ASTM E18
512	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels Reinforcing steels, Tool Steels, Cast Iron	Micro Vickers - HV 0.1	ASTM E384
513	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels Reinforcing steels, Tool Steels, Cast Iron	Micro Vickers - HV 0.3	ASTM E384
514	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels Reinforcing steels, Tool Steels, Cast Iron	Micro Vickers - HV 0.3	ASTM E92
515	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels Reinforcing steels, Tool Steels, Cast Iron	Micro Vickers - HV 0.5	ASTM E384
516	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels Reinforcing steels, Tool Steels, Cast Iron	Vickers Hardness - HV10	IS 1501 (Part 1)
517	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels Reinforcing steels, Tool Steels, Cast Iron	Vickers Hardness - HV30	IS 1501 (Part 1)
518	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels,	Flattening test (Tubes & Pipes)	IS 2328:
519	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels,	Proof Load Bolt & Nut	ASTM F606/606M CL-3.21 to 3.2.3 & 4.2,4.3

SCOPE OF ACCREDITATION

Laboratory Name : OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6247 **Page No** 31 of 54

Validity 06/04/2024 to 03/09/2025 **Last Amended on** -

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
520	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels	0.2%Proof stress	BS-EN-ISO-6892-1
521	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels	0.2%Proof stress	BS-EN-ISO-6892-1
522	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels	0.2%Proof stress	ISO-6892-1
523	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels	0.2%Proof stress	ISO-6892-1
524	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels	Brinell Hardness - HBW 2.5/187.5	ASTM E10
525	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels	Elongation	BS EN ISO 6892-1
526	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels	Elongation	IS 1608 (Part 1)
527	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels	Elongation	ISO 6892-1
528	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels	Proof Load	BS EN ISO 898-1
529	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels	Proof Load	BS EN ISO 898-2
530	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels	Proof Load	IS 1367-3-CL-8.5
531	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels	Proof Load	IS-1367-6-CL-8.1
532	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels	Proof Load	ISO-898-1-CL-9.6
533	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels	Proof Load	ISO-898-2-CL-9.1

SCOPE OF ACCREDITATION

Laboratory Name :	OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-6247
Validity	06/04/2024 to 03/09/2025

Last Amended on -

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
534	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	0.2% Proof Stress	ASTM A 370
535	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	0.2% Proof Stress	ASTM A 370
536	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	0.2%Proof stress	ASTM E 8 / E8M
537	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	0.2%Proof stress	ASTM E 8 / E8M
538	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	0.2%Proof stress	IS 1608 (Part 1)
539	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	0.2%Proof stress	IS 1608 (Part 1)
540	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	Elevated Temperature Test-Elongation	ISO-6892-P2
541	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	Elevated Temperature Test-Reduction Area	ISO-6892-P2
542	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	Elevated Temperature Test - Yield Strength	BS-EN-ISO-6892-P2
543	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	Elevated Temperature Test - Yield Strength	ISO-6892-P2
544	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	Elevated Temperature Test-Elongation	BS-EN-ISO-6892-P2
545	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	Elevated Temperature Test-Reduction Area	BS-EN-ISO-6892-P2
546	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	Elevated Temperature Test-Tensile Strength	BS-EN-ISO-6892-P2
547	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	Elevated Temperature Test-Tensile Strength	BS-EN-ISO-6892-P2

SCOPE OF ACCREDITATION

Laboratory Name : OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6247 **Page No** 33 of 54

Validity 06/04/2024 to 03/09/2025 **Last Amended on** -

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
548	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	Elevated Temperature Test-Tensile Strength	ISO-6892-P2
549	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	Elevated Temperature Test-Tensile Strength	ISO-6892-P2
550	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	Elongation	ASTM A 370
551	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	Elongation	ASTM E8/E8M
552	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	Reduction Area	ASTM A 370
553	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	Reduction Area	ASTM E8/E8M
554	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	Reduction in area	BS-EN-ISO-6892-1
555	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	Reduction in area	IS 1608 (Part 1)
556	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	Reduction in area	ISO-6892-1
557	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	Yield Strength	ASTM A 370
558	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	Yield Strength	BS-EN-ISO-6892-1
559	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	Yield Strength	IS 1608 (Part 1)
560	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	Yield Strength	ISO-6892-1
561	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron,	Brinell Hardness - HBW 10/3000	ASTM E10

SCOPE OF ACCREDITATION

Laboratory Name : OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6247 **Page No** 34 of 54

Validity 06/04/2024 to 03/09/2025 **Last Amended on** -

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
562	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron.	Brinell Hardness - HBW 10/1000	ASTM E10
563	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron.	Brinell Hardness - HBW 2.5/187.5	ISO-6506-1
564	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron.	Brinell Hardness-HBW (5/750)	ISO-6506-1
565	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron	Brinell Hardness - HBW 10/1000	ISO-6506-1
566	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron	Brinell Hardness - HBW 10/1000	BS-EN-ISO-6506-1
567	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron	Brinell Hardness - HBW 10/1000	IS 1500 (Part 1)
568	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron	Impact Test - Izod (Ambient Temperature)	IS 1598
569	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron	Micro Vickers - HV 1	ASTM E384
570	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron	Micro Vickers - HV 1	ASTM E92
571	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron,	Brinell Hardness - HBW 10/3000	ISO-6506-1
572	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron,	Brinell Hardness - HBW 10/3000	BS-EN-ISO-6506-1
573	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron,	Brinell Hardness - HBW 10/3000	IS 1500 (Part 1)
574	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron,	Elevated Temperature Test-Elongation	ASTM E21
575	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron,	Elevated Temperature Test-Reduction Area	ASTM E21

SCOPE OF ACCREDITATION

Laboratory Name : OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6247 **Page No** 35 of 54

Validity 06/04/2024 to 03/09/2025 **Last Amended on** -

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
576	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron,	Impact Test - Charpy (-196°C to Ambient temperature)	IS 1499
577	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron.	Bend	BS EN ISO-7438
578	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron.	Bend	IS 1599
579	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron.	Bend	ISO-7438
580	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron.	Brinell Hardness - HBW 2.5/187.5	BS-EN-ISO-6506-1
581	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron.	Brinell Hardness - HBW 2.5/187.5	IS 1500 (Part 1)
582	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron.	Brinell Hardness -HBW (5/750)	ASTM E10
583	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron.	Brinell Hardness-HBW (5/750)	BS-EN-ISO-6506-1
584	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron.	Brinell Hardness-HBW (5/750)	IS 1500 (Part 1)
585	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron.	Impact Test - Charpy (-196°C to+100°C)	ASTM A370
586	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron.	Impact Test - Charpy (-196°C to+100°C)	ASTM E23
587	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron.	Impact Test - Charpy (-196°C to+50°C)	BS-EN-ISO-148-1
588	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron.	Impact Test - Charpy (-196°C to+50°C)	IS:1757(Part 1)
589	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron.	Impact Test - Charpy (-196°C to+50°C)	ISO-148-P1

SCOPE OF ACCREDITATION

Laboratory Name : OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6247 **Page No** 36 of 54

Validity 06/04/2024 to 03/09/2025 **Last Amended on** -

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
590	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Reinforcing steels, Cast Iron	Micro Vickers - HV 0.5	ASTM E92
591	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Reinforcing steels, Cast Iron	Micro Vickers - HV 0.5	IS 1501 (Part 1)
592	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Reinforcing steels, Cast Iron	Micro Vickers - HV 1.0	IS 1501 (Part 1)
593	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Reinforcing steels, Cast Iron	Vickers Hardness - HV 5	ASTM E92
594	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Reinforcing steels, Cast Iron	Vickers Hardness - HV 5	IS 1501 (Part 1)
595	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Reinforcing steels, Cast Iron	Vickers Hardness - HV10	ASTM E92
596	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Reinforcing steels, Cast Iron	Vickers Hardness - HV30	ASTM E92
597	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Reinforcing steels, Cast Iron,	Micro Vickers - HV 0.1	ASTM E92
598	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Reinforcing steels, Cast Iron,	Micro Vickers - HV 0.1	IS 1501 (Part 1)
599	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Reinforcing steels, Cast Iron,	Micro Vickers - HV 0.3	IS 1501(Part 1)
600	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,, Cast Iron,	Tensile strength	BS-EN-ISO-6892-1
601	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,, Cast Iron,	Tensile strength	IS 1608(Part 1)
602	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,, Cast Iron,	Tensile strength	ISO-6892-1
603	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,Cast Iron	Yield Strength	ASTM E8/E8M

SCOPE OF ACCREDITATION

Laboratory Name :	OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6247	**Page No**	37 of 54
Validity	06/04/2024 to 03/09/2025	**Last Amended on**	-

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
604	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels,Tool Steels, Cast Iron,	Elevated Temperature Test-Yield Strength	ASTM E21
605	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels,Tool Steels, Cast Iron,	Elevated Temperature Test-Tensile Strength	ASTM E21
606	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels,Tool Steels, Cast Iron,	Elevated Temperature Test-Tensile Strength	ASTM E21
607	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels,Tool Steels, Cast Iron,	Tensile Strength	ASTM A 370
608	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels,Tool Steels, Cast Iron.	Tensile Strength	ASTM E8/E8M
609	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels.	Rockwell Hardness (HRBW)	ASTM E18
610	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels.	Rockwell Hardness (HRBW)	BS-EN-ISO-6508-1
611	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels.	Rockwell Hardness (HRBW)	IS:1586(Part 1)
612	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels.	Rockwell Hardness (HRBW)	ISO-6508-1
613	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels, Low Alloy Steels Stainless Steels, Tool Steels	Rockwell Hardness - HRA	BS-EN-ISO-6508-1
614	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels, Low Alloy Steels Stainless Steels, Tool Steels	Rockwell Hardness - HRA	IS 1586(Part 1)
615	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels, Low Alloy Steels Stainless Steels, Tool Steels	Rockwell Hardness - HRA	ISO-6508-1
616	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels, Low Alloy Steels Stainless Steels, Tool Steels	Rockwell Hardness (HR30N)	ASTM E18
617	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels, Low Alloy Steels Stainless Steels, Tool Steels	Rockwell Hardness (HR30N)	BS-EN-ISO-6508-1

SCOPE OF ACCREDITATION

Laboratory Name : OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6247 **Page No** 38 of 54

Validity 06/04/2024 to 03/09/2025 **Last Amended on** -

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
618	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels, Low Alloy Steels Stainless Steels, Tool Steels	Rockwell Hardness (HR30N)	IS 1586(Part 1)
619	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels, Low Alloy Steels Stainless Steels, Tool Steels	Rockwell Hardness (HR30N)	ISO-6508-1
620	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels, Low Alloy Steels Stainless Steels, Tool Steels	Rockwell Hardness (HR30TW)	IS 1586(Part 1)
621	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels, Low Alloy Steels Stainless Steels, Tool Steels	Rockwell Hardness (HR30TW)	ASTM E18
622	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels, Low Alloy Steels Stainless Steels, Tool Steels	Rockwell Hardness (HR30TW)	BS-EN-ISO-6508-1
623	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels, Low Alloy Steels Stainless Steels, Tool Steels	Rockwell Hardness (HR30TW)	ISO-6508-1
624	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels, Low Alloy Steels Stainless Steels, Tool Steels	Rockwell Hardness (HR45N)	ASTM E18
625	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels, Low Alloy Steels Stainless Steels, Tool Steels	Rockwell Hardness (HR45N)	BS-EN-ISO-6508-1
626	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels, Low Alloy Steels Stainless Steels, Tool Steels	Rockwell Hardness (HR45N)	IS 1586(Part 1)
627	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels, Low Alloy Steels Stainless Steels, Tool Steels	Rockwell Hardness (HR45N)	ISO-6508-1
628	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels, Low Alloy Steels Stainless Steels, Tool Steels	Rockwell Hardness (HR45TW)	ASTM E18
629	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels, Low Alloy Steels Stainless Steels, Tool Steels	Rockwell Hardness (HR45TW)	BS-EN-ISO-6508-1
630	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels, Low Alloy Steels Stainless Steels, Tool Steels	Rockwell Hardness (HR45TW)	IS 1586(Part 1)
631	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels, Low Alloy Steels Stainless Steels, Tool Steels	Rockwell Hardness (HR45TW)	ISO-6508-1

SCOPE OF ACCREDITATION

Laboratory Name : OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6247 **Page No** 39 of 54

Validity 06/04/2024 to 03/09/2025 **Last Amended on** -

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
632	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels, Low Alloy Steels Stainless Steels, Tool Steels	Rockwell Hardness (HRA)	ASTM E18
633	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels, Low Alloy Steels Stainless Steels, Tool Steels	Rockwell Hardness (HRC)	BS-EN-ISO-6508-1
634	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels, Low Alloy Steels Stainless Steels, Tool Steels	Rockwell Hardness (HRC)	IS:1586(Part 1)
635	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels, Low Alloy Steels Stainless Steels, Tool Steels	Rockwell Hardness (HRC)	ISO-6508-1
636	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels, Low Alloy Steels Stainless Steels, Tool Steels	Rockwell Hardness (HRI5N)	ASTM E18
637	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels, Low Alloy Steels Stainless Steels, Tool Steels	Rockwell Hardness (HRI5N)	BS-EN-ISO-6508-1
638	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels, Low Alloy Steels Stainless Steels, Tool Steels	Rockwell Hardness (HRI5N)	IS 1586(Part 1)
639	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels, Low Alloy Steels Stainless Steels, Tool Steels	Rockwell Hardness (HRI5N)	ISO-6508-1
640	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels, Low Alloy Steels Stainless Steels, Tool Steels	Rockwell Hardness (HRI5TW)	ASTM E18
641	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels, Low Alloy Steels Stainless Steels, Tool Steels	Rockwell Hardness (HRI5TW)	BS-EN-ISO-6508-1
642	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels, Low Alloy Steels Stainless Steels, Tool Steels	Rockwell Hardness (HRI5TW)	IS 1586(Part 1)
643	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels, Low Alloy Steels Stainless Steels, Tool Steels	Rockwell Hardness (HRI5TW)	ISO-6508-1
644	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels, Low Alloy Steels, Stainless Steels,	Erichsen Cupping Test	BS EN ISO-20482
645	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels, Low Alloy Steels, Stainless Steels,	Erichsen Cupping Test	IS 10175

SCOPE OF ACCREDITATION

Laboratory Name : OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6247 **Page No** 40 of 54

Validity 06/04/2024 to 03/09/2025 **Last Amended on** -

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
646	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels, Low Alloy Steels, Stainless Steels,	Erichsen Cupping Test	ISO-20482
647	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Titanium Base Alloys, Nickel Base Alloys	Rockwell Hardness (HRC)	BS-EN-6508-1
648	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Titanium Base Alloys, Nickel Base Alloys	Rockwell Hardness (HRC)	IS 1586 (Part-1)
649	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Titanium Base Alloys, Nickel Base Alloys	Rockwell Hardness (HRC)	ISO-6508-1
650	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld Material	0.2% Proof Stress	ASME Sec II(PartC)
651	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld Material	0.2% Proof Stress	ASME Sec II(PartC)
652	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld Material	Tensile Strength	AWS D1.2/D1.2 M, Cl: 3.7
653	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld Material	Tensile Strength	AWS D1.2/D1.2 M, Cl: 3.7
654	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	% of Elongation	ASME Sec II(PartC)
655	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	% of Elongation	AWS D1.1/D1.1 M, Cl: 6.10.3.6
656	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	% of Elongation	IBR 1950 (Clause 259(b)
657	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	% of Elongation	IS:814 : 2004
658	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	0.2%Proof stress	AWS D1.1/D1.1 M, Cl: 6.10.3.6
659	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	0.2%Proof stress	AWS D1.1/D1.1 M, Cl: 6.10.3.6

SCOPE OF ACCREDITATION

Laboratory Name : OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6247 **Page No** 41 of 54

Validity 06/04/2024 to 03/09/2025 **Last Amended on** -

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
660	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Bend Test (Side Bend)	AWS D1.1/D1.1M,CL.6.10.3.1 to 6.10.3.3
661	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Bend Test (Face Bend)	ASME Sec IX, Cl: QW – 462.3
662	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Bend Test (Face Bend)	AWS D1.1/D1.1M,CL.6.10.3.1 to 6.10.3.3
663	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Bend Test (Face Bend, Root Bend)	IBR 1950 (Clause 261 to 262)
664	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Bend Test (Face Bend, Root Bend, Side Bend)	AWS D1.2/D1.2 M, Cl: 3.8
665	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Bend Test (Face Bend, Root Bend, Side Bend)	AWS D1.6/D1.6 M, Cl: 6.9.3.2
666	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Bend Test (Face Bend, Root Bend, Side Bend)	BS-EN-ISO-5173
667	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Bend Test (Face Bend, Root Bend, Side Bend)	ISO 5173
668	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Bend Test (Root Bend)	ASME Sec IX, Cl: QW – 462.3
669	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Bend Test (Root Bend)	AWS D1.1/D1.1M,CL.6.10.3.1 to 6.10.3.3
670	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Charpy Impact Test	IBR 1950 (Clause 263)
671	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Fillet fracture	AWS D1.1/D1.1 M, Cl: 6.23.4
672	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Fillet Weld Break Test	AWS D1.6/D1.6 M, Cl: 6.15.8
673	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	FRACTURE TESTS	ASME SEC-IX, CL-QW-182

SCOPE OF ACCREDITATION

Laboratory Name : OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6247 **Page No** 42 of 54

Validity 06/04/2024 to 03/09/2025 **Last Amended on** -

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
674	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Impact Test - Charpy - (-196°C to +100°C)	BS-EN-ISO-148-P1
675	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Impact Test - Charpy - (-196°C to +100°C)	IS:1757(Part 1)
676	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Impact Test - Charpy - (-196°C to +100°C)	ISO-148-P1
677	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Impact Test - Charpy - (-50°C to Ambient temperature)	IS:1499
678	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Impact Test - Charpy (-196°C to+100°C)	ASTM A370
679	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Impact Test - Charpy (-196°C to+100°C)	ASTM E23
680	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Impact Test - Izod - (Ambient Temp)	IS:1598
681	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Micro Vickers - HV 0.1	ASTM E92
682	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Micro Vickers - HV 0.3	ASTM E384
683	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Micro Vickers - HV 0.3	ASTM E92
684	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Micro Vickers - HV 0.3	IS 1501(Part 1)
685	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Micro Vickers HV 0.1	ASTM E384
686	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Micro Vickers HV 0.1	IS 1501 (Part 1)
687	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Micro Vickers HV 0.5	ASTM E384

SCOPE OF ACCREDITATION

Laboratory Name : OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6247 **Page No** 43 of 54

Validity 06/04/2024 to 03/09/2025 **Last Amended on** -

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
688	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Micro Vickers HV 0.5	IS 1501 (Part 1)
689	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Micro Vickers- HV 0.5	ASTM E92
690	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Micro Vickers HV 1.0	IS 1501 (Part 1) :
691	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Micro Vickers- HV 1.0	ASTM E92
692	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Micro Vickers HV1.0	ASTM E384
693	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Reduction in area %	ASME Sec II(PartC)
694	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Reduction in area %	AWS D1.1/D1.1 M,Cl:6.10.3.6 Cl: 4.9.3.4 to 4.9.3.6
695	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Reduction in area %	IS:814
696	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	SHEAR-AXIAL LOAD	ASME SEC VIII APPENDIX-A
697	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Side Bend (Bend Test)	ASME Sec IX, Cl: QW – 462.2
698	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Soundness Tests	AWS D1.2/D1.2 M, Cl: 3.9
699	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Soundness Tests-Fillet Welds	AWS D1.2/D1.2 M, Cl: 3.10
700	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Tensile strength	ASME Sec II(PartC)
701	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Tensile strength	ASME Sec IX Cl: QW – 462.1

SCOPE OF ACCREDITATION

Laboratory Name : OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6247 **Page No** 44 of 54

Validity 06/04/2024 to 03/09/2025 **Last Amended on** -

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
702	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Tensile strength	ASME Sec IX Cl: QW – 462.1
703	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Tensile strength	AWS D1.1/D1.1 M, Cl: 6.10.3.4 to 6.10.3.6
704	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Tensile strength	AWS D1.1/D1.1 M, Cl: 6.10.3.4 to 6.10.3.6
705	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Tensile Strength	AWS D1.6/D1.6 M, Cl: 6.9.3.3
706	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Tensile Strength	AWS D1.6/D1.6 M, Cl: 6.9.3.3
707	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Tensile Strength	BS-EN-ISO-4136
708	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Tensile Strength	BS-EN-ISO-4136
709	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Tensile Strength	IBR 1950 (Clause 259)
710	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Tensile Strength	IBR 1950 (Clause 259)
711	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Tensile strength	IS:814
712	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Tensile Strength	ISO 4136
713	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Tensile Strength	ISO 4136
714	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Vickers Hardness (HV 10)	ASME Sec IX
715	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Vickers Hardness (HV 5)	ISO 9015-1

SCOPE OF ACCREDITATION

Laboratory Name : OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6247 **Page No** 45 of 54

Validity 06/04/2024 to 03/09/2025 **Last Amended on** -

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
716	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Vickers Hardness -HV 10	ASTM E92
717	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Vickers Hardness -HV 10	ISO 9015-1
718	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Vickers Hardness -HV 5	ASTM E92
719	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Vickers Hardness HV10	IS 1501 (Part 1)
720	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Vickers Hardness HV5	IS 1501 (Part 1)
721	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Yield Strength	IS:814
722	MECHANICAL-METALLOGRAPHY TEST	Aluminium Welded Materials	Macrostructure	AWS D1.2/D1.2M
723	MECHANICAL-METALLOGRAPHY TEST	Aluminum and its Alloys	Anodic Coating Thickness	IS 5523 (By Microscopic Method)
724	MECHANICAL-METALLOGRAPHY TEST	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Coating Thickness of Electroplated Parts	IS 3203 (by Microscopic Method)
725	MECHANICAL-METALLOGRAPHY TEST	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Coating Thickness of Metal and oxide Coatings	ASTM B487 (by Microscopic Method)
726	MECHANICAL-METALLOGRAPHY TEST	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Grain Size (by ASTM Chart Comparison Method)	ASTM E112
727	MECHANICAL-METALLOGRAPHY TEST	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Macrostructure	ASTM E 340
728	MECHANICAL-METALLOGRAPHY TEST	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Microstructure	ASM Hand Book Volume 9
729	MECHANICAL-METALLOGRAPHY TEST	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Microstructure	ASTM E883
730	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steels	Intergranular Corrosion Test (IGC)	ASTM A262 - Practice A & E
731	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steels	Intergranular Corrosion Test (IGC)	ASTM A262 - Practice B
732	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steels	Intergranular Corrosion Test (IGC)	ASTM A262 - Practice C

SCOPE OF ACCREDITATION

Laboratory Name : OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6247 **Page No** 46 of 54

Validity 06/04/2024 to 03/09/2025 **Last Amended on** -

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
733	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steels	Intergranular Corrosion Test (IGC)	ASTM A262 - Practice F
734	MECHANICAL-METALLOGRAPHY TEST	Carbon & Carbon Alloy Steels	Jominy End Quench Test	ASTM A255
735	MECHANICAL-METALLOGRAPHY TEST	Carbon & Carbon Alloy Steels	Jominy End Quench Test	IS:3848
736	MECHANICAL-METALLOGRAPHY TEST	Cast Iron	Graphite in Cast Iron (Nodular Cast Iron, Grey Cast Iron & Malleable Cast Iron)	ASTM A247
737	MECHANICAL-METALLOGRAPHY TEST	Cast Iron	Graphite in Cast Iron (Nodular Cast Iron, Grey Cast Iron & Malleable Cast Iron)	IS 7754
738	MECHANICAL-METALLOGRAPHY TEST	Cast Irons	Graphite in Cast Iron (Nodular Cast Iron, Grey Cast Iron & Malleable Cast Iron)	ISO 945-1
739	MECHANICAL-METALLOGRAPHY TEST	Chromium-Bearing Alloys, Corrosion Resistance of Stainless Steels, Nickel-Rich Alloys, Inconel Alloys	Pitting Corrosion Test	ASTM G 48 - Method A
740	MECHANICAL-METALLOGRAPHY TEST	Chromium-Bearing Alloys, Corrosion Resistance of Stainless Steels, Nickel-Rich Alloys, Inconel Alloys	Pitting Corrosion Test	ASTM G 48 - Method A & B
741	MECHANICAL-METALLOGRAPHY TEST	Chromium-Bearing Alloys, Corrosion Resistance of Stainless Steels, Nickel-Rich Alloys, Inconel Alloys	Pitting Corrosion Test	ASTM G 48 - Method B
742	MECHANICAL-METALLOGRAPHY TEST	Duplex Stainless Steel	Corrosion Test	ISO 17781 Class 5.5
743	MECHANICAL-METALLOGRAPHY TEST	Duplex Stainless Steel	Ferric Chloride Corrosion Test	ASTM A923 Method-C
744	MECHANICAL-METALLOGRAPHY TEST	Duplex Stainless Steel	Microstructure	ISO 17781 Class 5.2
745	MECHANICAL-METALLOGRAPHY TEST	Duplex Stainless Steel/Duplex Stainless Steel Welded Specimen	Determination of Volume fraction of Phase	ASTM E562
746	MECHANICAL-METALLOGRAPHY TEST	Duplex Stainless Steels	Microstructure	ASTM A 923(Method A)
747	MECHANICAL-METALLOGRAPHY TEST	Duplex Stainless Steels	Microstructure	ASTM A923 (Method A)
748	MECHANICAL-METALLOGRAPHY TEST	Intergranular corrosion in wrought, Nickel- Rich , Chromium-Bearing Alloys, Corrosion Resistance of Stainless Steels	Intergranular Corrosion Test - Method A(IGC)	ASTM G28
749	MECHANICAL-METALLOGRAPHY TEST	Plain Carbon Steels, Low Alloy Steels	Depth of Decarburized Layer	ASTM E 1077 : 2014, RA

SCOPE OF ACCREDITATION

Laboratory Name : OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6247 **Page No** 47 of 54

Validity 06/04/2024 to 03/09/2025 **Last Amended on** -

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
750	MECHANICAL-METALLOGRAPHY TEST	Plain Carbon Steels, Low Alloy Steels	Depth of Decarburized Layer	IS : 6396
751	MECHANICAL-METALLOGRAPHY TEST	Plain Carbon Steels, Low Alloy Steels, Stainless Steels, Tool Steels	Grain Size (by ASTM Chart Comparison method)	ASTM E112
752	MECHANICAL-METALLOGRAPHY TEST	Plain Carbon Steels, Low Alloy Steels, Stainless Steels, Tool Steels	Grain Size (by ASTM Chart Comparison method)	IS 4748
753	MECHANICAL-METALLOGRAPHY TEST	Plain Carbon Steels, Low Alloy Steels, Stainless Steels, Tool Steels	Inclusion Rating	ASTM E 45 : 2018a, Method-A
754	MECHANICAL-METALLOGRAPHY TEST	Plain Carbon Steels, Low Alloy Steels, Stainless Steels, Tool Steels	Inclusion Rating	IS 4163
755	MECHANICAL-METALLOGRAPHY TEST	Plain Carbon Steels, Low Alloy Steels, Stainless Steels, Tool Steels, Cast Iron	Coating Thickness of Metal and oxide Coatings	ASTM B487 (by Microscopic Method)
756	MECHANICAL-METALLOGRAPHY TEST	Plain Carbon Steels, Low Alloy Steels, Stainless Steels, Tool Steels, Cast Iron	Electro Plated Coating Thickness of Metal	IS 3203 (by Microscopic Method)
757	MECHANICAL-METALLOGRAPHY TEST	Plain Carbon Steels, Low Alloy Steels, Stainless Steels, Tool Steels, Cast Iron	Microstructure	ASM Hand Book Volume 9
758	MECHANICAL-METALLOGRAPHY TEST	Plain Carbon Steels, Low Alloy Steels, Stainless Steels, Tool Steels, Cast Iron	Microstructure	ASTM E 883
759	MECHANICAL-METALLOGRAPHY TEST	Plain Carbon Steels, Low Alloy Steels, Tool Steels	Effective Case Depth (by Hardness Method)	IS 6416
760	MECHANICAL-METALLOGRAPHY TEST	Plain Carbon Steels, Low Alloy Steels, Tool Steels	Total Case Depth (by Microscopic Method)	IS 6416
761	MECHANICAL-METALLOGRAPHY TEST	Plain Carbon Steels, Low Alloy Steels, Tool Steels, Powder Metallurgy Parts	Effective Case Depth (by Hardness Method)	ASTM B934
762	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel Welded Metals	Macrostructure	AWS D1.6/D1.6M
763	MECHANICAL-METALLOGRAPHY TEST	Steel Billets, Blooms, Hot rolled Products, Forgings, Extrusion, Sheets, Plates, Casting, Tubes, Pipes, Machined and Ground Parts	Macrostructure	ASTM E 340
764	MECHANICAL-METALLOGRAPHY TEST	Steel Billets, Blooms, Hot rolled Products, Forgings, Extrusion, Sheets, Plates, Casting, Tubes, Pipes, Machined and Ground Parts	Macrostructure	ASTM E 381
765	MECHANICAL-METALLOGRAPHY TEST	Steel Billets, Blooms, Hot rolled Products, Forgings, Extrusion, Sheets, Plates, Casting, Tubes, Pipes, Machined and Ground Parts	Macrostructure	IS: 11371
766	MECHANICAL-METALLOGRAPHY TEST	Structural Steel Welded Metals	Macrostructure	AWS D1.1/D1.1M
767	MECHANICAL-METALLOGRAPHY TEST	Welded Metals	Grain Size (by ASTM Chart Comparison Method)	ASTM E112

SCOPE OF ACCREDITATION

Laboratory Name :	OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-6247
Validity	06/04/2024 to 03/09/2025

Last Amended on -

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
768	MECHANICAL-METALLOGRAPHY TEST	Welded Metals	Grain Size (by ASTM Chart Comparison Method)	IS 4748
769	MECHANICAL-METALLOGRAPHY TEST	Welded Metals	Macrostructure	ASME SEC IX,QW-183,QW-184,QW-470,QW-471,QW-472,QW-473,QW-462.4,QW-462.5
770	MECHANICAL-METALLOGRAPHY TEST	Welded Metals	Macrostructure	ASTM E 340
771	MECHANICAL-METALLOGRAPHY TEST	Welded Metals	Macrostructure	IBR 1950 (Clause 265a)
772	MECHANICAL-METALLOGRAPHY TEST	Welded Metals	Macrostructure	ISO 17639
773	MECHANICAL-METALLOGRAPHY TEST	Welded Metals	Microstructure	ASM Hand Book Volume 9
774	MECHANICAL-METALLOGRAPHY TEST	Welded Metals	Microstructure	ASTM E883 : 2011, RA
775	MECHANICAL-METALLOGRAPHY TEST	Welded Metals	Microstructure	IBR 1950 (Clause 265a)
776	MECHANICAL-METALLOGRAPHY TEST	Welded Metals	Microstructure	ISO 17639
777	MECHANICAL-METALLOGRAPHY TEST	Welded Specimen, Welded Parts	Weld Penetration	ASME SEC IX
778	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics	Charpy Impact	ASTM D6110
779	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics	Elongation at Break	ASTM D638
780	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics	Elongation at Break	ISO 527-1
781	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics	Flexural	ASTM D790
782	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics	Flexural	ISO 178
783	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics	Heat Deflection Temperature @ 0.455 MPa	ASTM D648
784	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics	Heat Deflection Temperature @ 1.82 MPa	ASTM D648
785	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics	Izod Impact	ASTM D256

SCOPE OF ACCREDITATION

Laboratory Name : OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6247 **Page No** 49 of 54

Validity 06/04/2024 to 03/09/2025 **Last Amended on** -

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
786	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics	Melt Flow Rate	ASTM D1238 Procedure A
787	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics	Melt Flow Rate	ISO 1133
788	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics	Melt Volume Rate	ASTM D1238 Procedure A
789	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics	Melt Volume Rate	ISO 1133
790	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics	Melting & Crystallization by DSC	ASTM D3418
791	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics	Melting & Crystallization by DSC	ISO 11357 Part 3
792	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics	Specific Gravity	ASTM D792
793	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics	Specific Gravity	ISO 1183-1
794	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics	Tensile Strength	ASTM D638
795	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics	Tensile Strength	ISO 527-1
796	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics	Vicat Softening Temperature	ASTM D1525
797	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics	Water Absorption	ASTM D570
798	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics & Rubbers	Glass Transition Temperature by DSC	ASTM D3418
799	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics & Rubbers	Glass Transition Temperature by DSC	ISO 11357 Part 2
800	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics & Rubbers	Shore D Hardness	ASTM D2240
801	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics & Rubbers	Shore D Hardness	ISO 868
802	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymers / Plastics	Ash Content	ASTM D5630 (Procedure - B)
803	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymers / Plastics	Ash Content	ISO 3451-1
804	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymers, Rubbers, Composites & Other Chemicals	Thermogravimetric Analysis - TGA	ASTM E1131

SCOPE OF ACCREDITATION

Laboratory Name :	OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6247	**Page No**	50 of 54
Validity	06/04/2024 to 03/09/2025	**Last Amended on**	-

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
805	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymers, Rubbers, Composites & Other Chemicals	Thermogravimetric Analysis - TGA	ISO 11358-1
806	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	UV Resistant Automobiles plastic Components, Polymers, & Coated/ Painted panels, Coatings	UV Weatherability (UVA340nm & UVB313nm)	ASTM D 4329
807	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	UV Resistant Automobiles plastic Components, Polymers, & Coated/ Painted panels, Coatings	UV Weatherability (UVA340nm & UVB313nm)	ASTM G 154
808	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	UV Resistant Automobiles plastic Components, Polymers, & Coated/ Painted panels, Coatings	UV Weatherability (UVA340nm & UVB313nm)	BS EN 927
809	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	UV Resistant Automobiles plastic Components, Polymers, & Coated/ Painted panels, Coatings	UV Weatherability (UVA340nm & UVB313nm)	ISO 4892-3
810	MECHANICAL- SOIL AND ROCK	Natural Building Stones	Compressive Strength	IS 1121 (Part-1)
811	MECHANICAL- SOIL AND ROCK	Natural Building Stones	Specific Gravity	IS 1124
812	MECHANICAL- SOIL AND ROCK	Natural Building Stones	Water Absorption	IS 1124
813	MECHANICAL- SOIL AND ROCK	Others	Wet Mix Macadam (WMM) / Granular Sub Base (GSB)	Morth 5th Rev
814	MECHANICAL- SOIL AND ROCK	Soil	Atterberg Limit - Plastic Limit (PL)	IS 2720 (Part 5)
815	MECHANICAL- SOIL AND ROCK	Soil	Atterberg Limit -Liquid Limit (LL)	IS 2720 (Part 5)
816	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
817	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis	IS 2720 (Part 4)
818	MECHANICAL- SOIL AND ROCK	Soil	Maximum Dry Density (Light & Heavy Compaction)	IS 2720 (Part 7)
819	MECHANICAL- SOIL AND ROCK	Soil	Maximum Dry Density (Light & Heavy Compaction)	IS 2720 (Part 8)
820	MECHANICAL- SOIL AND ROCK	Soil	Optimum Moisture Content (Light & Heavy Compaction)	IS 2720 (Part 7)
821	MECHANICAL- SOIL AND ROCK	Soil	Optimum Moisture Content (Light & Heavy Compaction)	IS 2720 (Part 8)
822	MECHANICAL- SOIL AND ROCK	Wet Mix Macadam (WMM) / Granular Sub Base (GSB)	Maximum Dry Density (Heavy Compaction)	IS 2720 (Part 8)
823	MECHANICAL- SOIL AND ROCK	Wet Mix Macadam (WMM) / Granular Sub Base (GSB)	Optimum Moisture Content (Heavy Compaction)	IS 2720 (Part 8)

SCOPE OF ACCREDITATION

Laboratory Name :	OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6247	**Page No**	51 of 54
Validity	06/04/2024 to 03/09/2025	**Last Amended on**	-

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
824	MECHANICAL- SOIL AND ROCK	Wet Mix Macadam (WMM) / Granular Sub Base (GSB)	Sieve Analysis	IS 2386 (Part 1)
825	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	RCC / PCC Structures	Rebound Hammer test	IS 13311 (Part 2)
826	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	RCC / PCC Structures	Rebound Hammer test	IS 516 (Part 5/Sec 4)
827	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	RCC / PCC Structures	Ultrasonic Pulse Velocity Test	IS 516 (Part 5/Sec 1)
828	NON-DESTRUCTIVE-METALS & ALLOYS	All ferrous materials Casting, Forging, welding, rolling rods, plates & machined products	Magnetic Particle Testing	ASTM E-709 Surface & sub surface discontinuity by (Dry & Wet) Non fluorescent method (Yoke AC & DC Magnetisation Method)
829	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous / Non ferrous materials Casting, forging, Welding, Machined Products	Liquid Penetrant Testing	ASTM E 165 Open surface Discontinuity by Visible Penetrant method (Method C)
830	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Material - Forgings	Ultrasonic Testing by Pulse Echo contact method.	ASTM A388/A388M
831	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Material - Plate	Ultrasonic Testing by Pulse Echo contact method.	ASTM A577/A577M
832	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous materials - Castings	Ultrasonic Testing by Pulse Echo contact method.	ASTM A609/ A609M
833	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Materials - Plate	Ultrasonic Testing by Pulse Echo contact method.	ASTM A435/A435M
834	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous materials - Plates	Ultrasonic Testing by Pulse echo contact method	ASTM A578 / A578M
835	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous materials - Welded Material	Ultrasonic Testing by Pulse echo contact method	ASME SEC –V Article 4 & 23, SE114 UT of Weld Internal discontinuity by straight and angle beam method
836	NON-DESTRUCTIVE-METALS & ALLOYS	Metals	Ultrasonic Thickness Testing, Dia more than 38 mm	IS 15435
837	NON-DESTRUCTIVE-METALS & ALLOYS	Metals	Ultrasonic Thickness Testing, dia more than 38 mm dia objects Only.	ASTM E797/E797M

SCOPE OF ACCREDITATION

Laboratory Name : OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6247 **Page No** 52 of 54

Validity 06/04/2024 to 03/09/2025 **Last Amended on** -

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	Aluminium Base Alloys	Aluminium	ASTM E1916
2	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Chromium	ASTM E1916
3	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Cobalt	ASTM E1916
4	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Copper	ASTM E1916
5	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Iron	ASTM E1916
6	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Lead	ASTM E1916
7	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Chromium	ASTM E1916
8	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Chromium, Copper, Iron, Lead, Manganese, Nickel, Tin, Zinc	ASTM E1916
9	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Copper	ASTM E1916
10	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Iron	ASTM E1916
11	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Lead	ASTM E1916
12	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Manganese	ASTM E1916
13	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Nickel	ASTM E1916
14	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Tin	ASTM E1916
15	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Zinc	ASTM E1916
16	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Antimony	ASTM E 1916
17	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Antimony, Chromium, Cobalt, Copper, Iron, Lead, Manganese, Molybdenum, Nickel, Niobium, Tin, Titanium, Tungsten, Vanadium	ASTM E 1916

SCOPE OF ACCREDITATION

Laboratory Name : OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6247 **Page No** 53 of 54

Validity 06/04/2024 to 03/09/2025 **Last Amended on** -

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- METALS & ALLOYS	Iron Base Alloys	Chromium	ASTM E 1916
19	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Cobalt	ASTM E 1916
20	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Copper	ASTM E 1916
21	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Iron	ASTM E 1916
22	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Lead	ASTM E 1916
23	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Manganese	ASTM E 1916
24	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Molybdenum	ASTM E 1916
25	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Nickel	ASTM E 1916
26	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Niobium	ASTM E 1916
27	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Tin	ASTM E 1916
28	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Titanium	ASTM E 1916
29	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Tungsten	ASTM E 1916
30	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Vanadium	ASTM E 1916
31	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	RCC / PCC Structures	Rebound Hammer test	IS 13311 (Part 2)
32	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	RCC / PCC Structures	Rebound Hammer test	IS 516 (Part 5/Sec 4)
33	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	RCC / PCC Structures	Ultrasonic Pulse Velocity Test	IS 516 (Part 5/Sec 1)

SCOPE OF ACCREDITATION

Laboratory Name :	OMEGA INSPECTION AND ANALYTICAL LABORATORY PRIVATE LIMITED, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6247	**Page No**	54 of 54
Validity	06/04/2024 to 03/09/2025	**Last Amended on**	-

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
34	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous / Non ferrous materials Casting, forging, Welding, Machined Products	Liquid Penetrant Testing	ASTM E 165 Open surface Discontinuity by Visible Penetrant method (Method C)
35	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Material - Plate	Ultrasonic Testing by Pulse Echo contact method.	ASTM A577/A577M
36	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Materials - Plate	Ultrasonic Testing by Pulse Echo contact method.	ASTM A435/A435M
37	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous materials - Plates	Ultrasonic Testing by Pulse echo contact method	ASTM A578 / A578M