National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : UNITECH LABORATORIES SERVICES, 16, SAMRAT INDUSTRIAL AREA, GONDAL ROAD, RAJKOT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7322 **Page No** 1 of 23

Validity 21/09/2022 to 20/09/2024 **Last Amended on** 12/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- CORROSION TESTS	Copper alloy with zinc	Dezincification resistance of brass	ISO 6509-1
2	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloy	Chromium	ASTM E1251
3	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloy	Copper	ASTM E1251
4	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloy	Iron	ASTM E1251
5	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloy	Lead	ASTM E1251
6	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloy	Magnesium	ASTM E1251
7	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloy	Manganese	ASTM E1251
8	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloy	Nickel	ASTM E1251
9	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloy	Silicon	ASTM E1251
10	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloy	Titanium	ASTM E1251
11	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloy	Vanadium	ASTM E1251
12	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloy	Zinc	ASTM E1251
13	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Aluminum	ASTM E415
14	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Aluminum	JIS G1253
15	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Antimony	ASTM E415
16	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Antimony	JIS G1253
17	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Arsenic	ASTM E415
18	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Arsenic	JIS G1253

SCOPE OF ACCREDITATION

Laboratory Name :	UNITECH LABORATORIES SERVICES, 16, SAMRAT INDUSTRIAL AREA, GONDAL ROAD, RAJKOT, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7322	**Page No**	2 of 23
Validity	21/09/2022 to 20/09/2024	**Last Amended on**	12/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
19	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Boron	ASTM E415
20	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Boron	JIS G1253
21	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Carbon	ASTM E415
22	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Carbon	JIS G1253
23	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Chromium	ASTM E415
24	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Chromium	JIS G1253
25	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Cobalt	ASTM E415
26	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Cobalt	JIS G1253
27	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Copper	ASTM E415
28	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Copper	JIS G1253
29	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Lead	JIS G1253
30	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Manganese	ASTM E415
31	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Manganese	JIS G1253
32	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Molybdenum	ASTM E415
33	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Molybdenum	JIS G1253
34	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Nickel	ASTM E415
35	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Nickel	JIS G1253
36	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Niobium	ASTM E415
37	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Niobium	JIS G1253

SCOPE OF ACCREDITATION

Laboratory Name : UNITECH LABORATORIES SERVICES, 16, SAMRAT INDUSTRIAL AREA, GONDAL ROAD, RAJKOT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7322 **Page No** 3 of 23

Validity 21/09/2022 to 20/09/2024 **Last Amended on** 12/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
38	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Nitrogen	ASTM E415
39	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Nitrogen	JIS G1253
40	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Phosphorous	JIS G1253
41	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Phosphorus	ASTM E415
42	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Silicon	ASTM E415
43	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Silicon	JIS G1253
44	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Sulfur	JIS G1253
45	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Sulphur	ASTM E415
46	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Tin	ASTM E415
47	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Tin	JIS G1253
48	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Titanium	ASTM E415
49	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Titanium	JIS G1253
50	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Tungusten	JIS G1253
51	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Vanadium	ASTM E415
52	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Vanadium	JIS G1253
53	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	ASTM E1999
54	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	JIS G1253
55	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium	ASTM E1999
56	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium	JIS G1253

SCOPE OF ACCREDITATION

Laboratory Name : UNITECH LABORATORIES SERVICES, 16, SAMRAT INDUSTRIAL AREA, GONDAL ROAD, RAJKOT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7322 **Page No** 4 of 23

Validity 21/09/2022 to 20/09/2024 **Last Amended on** 12/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
57	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper	JIS G1253
58	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	ASTM E1999
59	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	JIS G1253
60	CHEMICAL- METALS & ALLOYS	Cast Iron	Mangnesium	JIS G1253
61	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel	ASTM E1999
62	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel	JIS G1253
63	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorous	ASTM E1999
64	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorous	JIS G1253
65	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	ASTM E1999
66	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	JIS G1253
67	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulfur	ASTM E1999
68	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulfur	JIS G1253
69	CHEMICAL- METALS & ALLOYS	Cat Iron	Copper	ASTM E1999
70	CHEMICAL- METALS & ALLOYS	Copper Base Alloy	Aluminum	BS EN 15079
71	CHEMICAL- METALS & ALLOYS	Copper Base Alloy	Antimony	BS EN 15079
72	CHEMICAL- METALS & ALLOYS	Copper Base Alloy	Arsenic	BS EN 15079
73	CHEMICAL- METALS & ALLOYS	Copper Base Alloy	Bismuth	BS EN 15079
74	CHEMICAL- METALS & ALLOYS	Copper Base Alloy	Chromium	BS EN 15079
75	CHEMICAL- METALS & ALLOYS	Copper Base Alloy	Cobalt	BS EN 15079

SCOPE OF ACCREDITATION

Laboratory Name : UNITECH LABORATORIES SERVICES, 16, SAMRAT INDUSTRIAL AREA, GONDAL ROAD, RAJKOT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7322 **Page No** 5 of 23

Validity 21/09/2022 to 20/09/2024 **Last Amended on** 12/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
76	CHEMICAL- METALS & ALLOYS	Copper Base Alloy	Iron	BS EN 15079
77	CHEMICAL- METALS & ALLOYS	Copper Base Alloy	Lead	BS EN 15079
78	CHEMICAL- METALS & ALLOYS	Copper Base Alloy	Magnesium	BS EN 15079
79	CHEMICAL- METALS & ALLOYS	Copper Base Alloy	Manganese	BS EN 15079
80	CHEMICAL- METALS & ALLOYS	Copper Base Alloy	Nickel	BS EN 15079
81	CHEMICAL- METALS & ALLOYS	Copper Base Alloy	Phosphorous	BS EN 15079
82	CHEMICAL- METALS & ALLOYS	Copper Base Alloy	Silicon	BS EN 15079
83	CHEMICAL- METALS & ALLOYS	Copper Base Alloy	Silver	BS EN 15079
84	CHEMICAL- METALS & ALLOYS	Copper Base Alloy	Sulfur	BS EN 15079
85	CHEMICAL- METALS & ALLOYS	Copper Base Alloy	Tin	BS EN 15079
86	CHEMICAL- METALS & ALLOYS	Copper Base Alloy	Zinc	BS EN 15079
87	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Aluminum	ASTM E3047
88	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Carbon	ASTM E3047
89	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Chromium	ASTM E3047
90	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Cobalt	ASTM E3047
91	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Copper	ASTM E3047
92	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Iron	ASTM E3047
93	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Molybdenum	ASTM E3047
94	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Niobium	ASTM E3047

SCOPE OF ACCREDITATION

Laboratory Name : UNITECH LABORATORIES SERVICES, 16, SAMRAT INDUSTRIAL AREA, GONDAL ROAD, RAJKOT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7322 **Page No** 6 of 23

Validity 21/09/2022 to 20/09/2024 **Last Amended on** 12/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
95	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Phosphorous	ASTM E3047
96	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Silicon	ASTM E3047
97	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Sulfur	ASTM E3047
98	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Titanium	ASTM E3047
99	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Tungsten	ASTM E3047
100	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Vanadium	ASTM E3047
101	CHEMICAL- METALS & ALLOYS	Nickle Base Alloy	Manganese	ASTM E3047
102	CHEMICAL- METALS & ALLOYS	Stainless Steel	Aluminum	JIS G1253
103	CHEMICAL- METALS & ALLOYS	Stainless Steel	Arsenic	JIS G1253
104	CHEMICAL- METALS & ALLOYS	Stainless steel	Carbon	ASTM E1086
105	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	JIS G1253
106	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E1086
107	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	JIS G1253
108	CHEMICAL- METALS & ALLOYS	Stainless Steel	Cobalt	JIS G1253
109	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E1086
110	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	JIS G1253
111	CHEMICAL- METALS & ALLOYS	Stainless Steel	Lead	JIS G1253
112	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E1086
113	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	JIS G1253

SCOPE OF ACCREDITATION

Laboratory Name :	UNITECH LABORATORIES SERVICES, 16, SAMRAT INDUSTRIAL AREA, GONDAL ROAD, RAJKOT, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7322	**Page No**	7 of 23
Validity	21/09/2022 to 20/09/2024	**Last Amended on**	12/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
114	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E1086
115	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	JIS G1253
116	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E1086
117	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	JIS G1253
118	CHEMICAL- METALS & ALLOYS	Stainless Steel	Niobium	JIS G1253
119	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nitrogen	JIS G1253
120	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorous	ASTM E1086
121	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorous	JIS G1253
122	CHEMICAL- METALS & ALLOYS	Stainless steel	Silicon	ASTM E1086
123	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	JIS G1253
124	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulfur	ASTM E1086
125	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulfur	JIS G1253
126	CHEMICAL- METALS & ALLOYS	Stainless Steel	Tantalum	JIS G1253
127	CHEMICAL- METALS & ALLOYS	Stainless Steel	Titanium	JIS G1253
128	CHEMICAL- METALS & ALLOYS	Stainless Steel	Tungsten	JIS G1253
129	CHEMICAL- METALS & ALLOYS	Stainless Steel	Vanadium	JIS G1253
130	CHEMICAL- METALS & ALLOYS	Titanium Base Alloy	Aluminum	ASTM E2994
131	CHEMICAL- METALS & ALLOYS	Titanium Base Alloy	Carbon	ASTM E2994
132	CHEMICAL- METALS & ALLOYS	Titanium Base Alloy	Chromium	ASTM E2994

SCOPE OF ACCREDITATION

Laboratory Name : UNITECH LABORATORIES SERVICES, 16, SAMRAT INDUSTRIAL AREA, GONDAL ROAD, RAJKOT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7322 **Page No** 8 of 23

Validity 21/09/2022 to 20/09/2024 **Last Amended on** 12/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
133	CHEMICAL- METALS & ALLOYS	Titanium Base Alloy	Copper	ASTM E2994
134	CHEMICAL- METALS & ALLOYS	Titanium Base Alloy	Iron	ASTM E2994
135	CHEMICAL- METALS & ALLOYS	Titanium Base Alloy	Manganese	ASTM E2994
136	CHEMICAL- METALS & ALLOYS	Titanium Base Alloy	Nickel	ASTM E2994
137	CHEMICAL- METALS & ALLOYS	Titanium Base Alloy	Nitrogen	ASTM E2994
138	CHEMICAL- METALS & ALLOYS	Titanium Base Alloy	Oxygen	ASTM E2994
139	CHEMICAL- METALS & ALLOYS	Titanium Base Alloy	Silicon	ASTM E2994
140	CHEMICAL- METALS & ALLOYS	Titanium Base Alloy	Tin	ASTM E2994
141	CHEMICAL- METALS & ALLOYS	Titanium Base Alloy	Vanadium	ASTM E2994
142	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metallic Materials	Bend Test	IS 1599
143	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Carbon Steel And Alloy Product	Elongation after fracture for full-size bolts, screws and studs	ISO 898 (Part 1, Clause 9.3)
144	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Carbon Steel And Alloy Product	Tensile Strength Of finished bolts, screws and studs	ISO 898 (Part 1, Clause 9.2)
145	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Carbon Steel And Alloy Product	Tensile test under wedge loading of finished bolts and screws (excluding studs)	ISO 898 (Part 1, Clause 9.1)
146	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Cast iron related material	Charpy Impact test	ASTM A327
147	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Duplex stainless steel	Charpy Impact test (METHOD - B)	ASTM A923
148	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metallic material & product	Brinell Hardness Test HBW (10/3000)	ASTM A370

SCOPE OF ACCREDITATION

Laboratory Name : UNITECH LABORATORIES SERVICES, 16, SAMRAT INDUSTRIAL AREA, GONDAL ROAD, RAJKOT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7322 **Page No** 9 of 23

Validity 21/09/2022 to 20/09/2024 **Last Amended on** 12/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
149	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic material & product	Brinell Hardness Test HBW (10/3000)	ASTM E10
150	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic material & product	Brinell Hardness Test HBW (10/3000)	IS 1500
151	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic material & product	Brinell Hardness Test HBW (10/3000)	ISO 6506 (Part 1)
152	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic material & product	Brinell Hardness Test HBW (2.5/187.5)	ASTM A370
153	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic material & product	Brinell Hardness Test HBW (2.5/187.5)	ASTM E10
154	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic material & product	Brinell Hardness Test HBW (2.5/187.5)	IS 1500
155	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic material & product	Brinell Hardness Test HBW (2.5/187.5)	ISO 6506 (Part 1)
156	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic material & product	Brinell Hardness Test HBW (5/750)	ASTM A370
157	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic material & product	Brinell Hardness Test HBW (5/750)	ASTM E10
158	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic material & product	Brinell Hardness Test HBW (5/750)	IS 1500
159	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic material & product	Brinell Hardness Test HBW (5/750)	ISO 6506 (Part 1)
160	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic materials	Yield strength	ASTM A370
161	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic materials	% Elongation	ASTM A370
162	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic materials	% Reduction in area	ASTM A370

SCOPE OF ACCREDITATION

Laboratory Name : UNITECH LABORATORIES SERVICES, 16, SAMRAT INDUSTRIAL AREA, GONDAL ROAD, RAJKOT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7322 **Page No** 10 of 23

Validity 21/09/2022 to 20/09/2024 **Last Amended on** 12/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
163	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic materials	Proof stress 0.2 % to 1 %	ASTM A370
164	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic materials	Tensile strength	ASTM A370
165	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic materials	Charpy Impact test	ASME BPVC SECTION IX
166	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic materials	Charpy Impact test	ASTM E23
167	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic materials	Charpy Impact test	ISO 148-1
168	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic materials	Yield strength	ASTM E8
169	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic materials	Yield strength	IS 1608 (Part 1)
170	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic materials	Yield strength	ISO 6892-1
171	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic materials	Yield strength	Withdrawn Standard: EN 10002 (Part-1)
172	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic materials	% Elongation	ASTM E8
173	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic materials	% Elongation	IS 1608 (Part 1)
174	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic materials	% Elongation	ISO 6892
175	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic materials	% Elongation	Withdrawn Standard: EN 10002 (Part-1)
176	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic materials	% Reduction in area	ASTM E8

SCOPE OF ACCREDITATION

Laboratory Name : UNITECH LABORATORIES SERVICES, 16, SAMRAT INDUSTRIAL AREA, GONDAL ROAD, RAJKOT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7322 **Page No** 11 of 23

Validity 21/09/2022 to 20/09/2024 **Last Amended on** 12/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
177	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic materials	% Reduction in area	IS 1608 (Part 1)
178	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic materials	% Reduction in area	ISO 6892
179	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic materials	% Reduction in area	Withdrawn Standard: EN 10002 (Part-1)
180	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic materials	Proof stress 0.2 % to 1 %	ASTM E8
181	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic materials	Proof stress 0.2 % to 1 %	IS 1608 (Part 1)
182	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic materials	Proof stress 0.2 % to 1 %	ISO 6892
183	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic materials	Proof stress 0.2 % to 1 %	Withdrawn Standard: EN 10002 (Part-1)
184	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic materials	Tensile strength	ASTM E8
185	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic materials	Tensile strength	IS 1608 (Part 1)
186	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic materials	Tensile strength	ISO 6892-1
187	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic materials	Tensile strength	Withdrawn Standard: EN 10002 (Part-1)
188	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic Materials	Bend Test	IS 1599
189	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic Materials	Bend Test	ISO 7438
190	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic Materials	Flanging test	ASTM A1016

SCOPE OF ACCREDITATION

Laboratory Name :	UNITECH LABORATORIES SERVICES, 16, SAMRAT INDUSTRIAL AREA, GONDAL ROAD, RAJKOT, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7322	**Page No**	12 of 23
Validity	21/09/2022 to 20/09/2024	**Last Amended on**	12/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
191	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic Materials	Flanging test	ASTM A450
192	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic Materials	Flanging test	EN ISO 8494
193	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic Materials	Flattening Test on tube	ASTM A370
194	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic Materials	Flattening Test on tube	IS 2328
195	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic Materials	Flattening Test on tube	ISO 8492
196	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic materials	Hardenability	ASTM A255
197	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic materials	Hardenability	IS 3848
198	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic Materials	Hardenability	ISO 642
199	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic materials	Hardenability	SAE J 406
200	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic materials	Hardness testing (Rockwell B Scale)	ASTM A370
201	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic materials	Hardness testing (Rockwell B Scale)	ASTM E18
202	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic materials	Hardness testing (Rockwell B Scale)	IS 1586 (Part 1)
203	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic Materials	Hardness testing (Rockwell B Scale)	ISO 6508 (Part 1)
204	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic materials	Hardness testing (Rockwell C Scale)	ASTM A370

SCOPE OF ACCREDITATION

Laboratory Name : UNITECH LABORATORIES SERVICES, 16, SAMRAT INDUSTRIAL AREA, GONDAL ROAD, RAJKOT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7322 **Page No** 13 of 23

Validity 21/09/2022 to 20/09/2024 **Last Amended on** 12/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
205	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic materials	Hardness testing (Rockwell C Scale)	ASTM E18
206	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic materials	Hardness testing (Rockwell C Scale)	ISO 6508 (Part 1)
207	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic materials	Hardness testing (Rockwell C Scale)	IS 1586 (Part 1)
208	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic materials	Proof load for Bolts & studs	ASTM F606
209	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic materials	Proof load for Nut	IS 1367 (Part 6)
210	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic materials	Proof load for Nuts	ISO 898-2
211	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic materials	Ring Expanding Test	EN ISO 8495
212	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic materials (bolt, screws and studs)	% Elongation	ISO 898 (Part 1, Clause 9.7)
213	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic materials (bolt, screws and studs)	% Reduction in area	ISO 898 (Part 1, Clause 9.7)
214	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic materials (bolt, screws and studs)	Proof stress 0.2 % to 1 %	ISO 898 (Part 1, Clause 9.7)
215	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic materials (bolt, screws and studs)	Tensile strength	ISO 898 (Part 1, Clause 9.7)
216	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic materials (bolt, screws and studs)	Yield strength	ISO 898 (Part 1, Clause 9.7)
217	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic Materials (Tube & Pipe)	Flaring Test	ASTM A370
218	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic Materials (Tube & Pipe)	Flaring Test	ASTM A450

SCOPE OF ACCREDITATION

Laboratory Name :	UNITECH LABORATORIES SERVICES, 16, SAMRAT INDUSTRIAL AREA, GONDAL ROAD, RAJKOT, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7322	**Page No**	14 of 23
Validity	21/09/2022 to 20/09/2024	**Last Amended on**	12/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
219	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic Materials (Tube & Pipe)	Flaring Test	ASTM A513
220	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic Materials (Tube & Pipe)	Flaring Test	EN ISO 8493
221	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic Materials (Tube & Pipe)	Flaring Test	ASTM A1016
222	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic Materials (Tube & Pipe)	Flattening Test	ASTM A1016
223	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic Materials (Tube & Pipe)	Flattening Test	ASTM A450
224	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic Materials (Tube & Pipe)	Flattening Test	ASTM A530
225	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic Materials (Tube & Pipe)	Flattening Test	ASTM A999
226	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metallic Materials (Tube & Pipe)	Flattening Test	GOST 8695
227	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic materials of welds	Charpy Impact test	BS ISO 15614-1
228	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic materials with weld joint	Yield strength	BS EN ISO 15614 (Part 1)
229	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic materials with weld joint	Tensile strength	API 1104
230	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic materials with weld joint	Tensile strength	ASME SEC. IX
231	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic materials with weld joint	Tensile strength	BS EN ISO 15614 (Part -1)
232	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic materials with weld joint	Tensile strength	EN 895

SCOPE OF ACCREDITATION

Laboratory Name : UNITECH LABORATORIES SERVICES, 16, SAMRAT INDUSTRIAL AREA, GONDAL ROAD, RAJKOT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7322 **Page No** 15 of 23

Validity 21/09/2022 to 20/09/2024 **Last Amended on** 12/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
233	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic materials with weld joint	Tensile strength	IS 7307 (Part 1)
234	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic materials with weld joint	Tensile strength	ISO 4136
235	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic Pipe	Yield strength	GOST 10006
236	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic Pipe	% Elongation	GOST 10006
237	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic Pipe	Proof stress 0.2 % to 1 %	GOST 10006
238	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic Pipe	Tensile strength	GOST 10006
239	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous: Bolt Screw and fasteners	Breaking Load	IS 1367 (Part 3)
240	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous: Bolt Screw and fasteners	Breaking Load	ISO 898-1
241	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous: Pipe, Tube & Products	Bend Test	GOST 3728
242	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous: Pipe, Tube & Welding Products	Bend Test	ASTM A106
243	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous: Plate, bar, Pipe, Tube, Wire, Cast Specimen & Products	Bend Test	ASTM A370
244	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous: Plate, bar, Pipe, Tube, Wire, Cast Specimen & Products	Bend Test	ASTM E190
245	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous: Plate, bar, Pipe, Tube, Wire, Cast Specimen & Products	Bend Test	ASME SEC. IX
246	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous: Plate, bar, Pipe, Tube, Wire, Cast Specimen & Products	Bend Test	ASTM A53

SCOPE OF ACCREDITATION

Laboratory Name : UNITECH LABORATORIES SERVICES, 16, SAMRAT INDUSTRIAL AREA, GONDAL ROAD, RAJKOT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7322 **Page No** 16 of 23

Validity 21/09/2022 to 20/09/2024 **Last Amended on** 12/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
247	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous: Plate, bar, Pipe, Tube, Wire, Cast Specimen & Products	Bend Test	ASTM E290
248	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous: Plate, bar, Pipe, Tube, Wire, Cast Specimen & Products	Bend Test	BS EN ISO 15614-1
249	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous: Plate, bar, Pipe, Tube, Wire, Cast Specimen & Products	Bend Test	EN ISO 8491
250	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous: Plate, bar, Pipe, Tube, Wire, Cast Specimen & Welding Products	Bend Test	IS 7307 (Part 1)
251	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metallic material & product	Brinell Hardness Test HBW (10/3000)	ASTM E10
252	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metallic material & product	Brinell Hardness Test HBW (10/3000)	IS 1500
253	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metallic material & product	Brinell Hardness Test HBW (10/3000)	ISO 6506 (Part 1)
254	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metallic material & product	Brinell Hardness Test HBW (2.5/187.5)	ASTM E10
255	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metallic material & product	Brinell Hardness Test HBW (2.5/187.5)	IS 1500
256	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metallic material & product	Brinell Hardness Test HBW (2.5/187.5)	ISO 6506 (Part 1)
257	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metallic material & product	Brinell Hardness Test HBW (5/750)	ASTM E10
258	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metallic material & product	Brinell Hardness Test HBW (5/750)	IS 1500
259	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metallic material & product	Brinell Hardness Test HBW (5/750)	ISO 6506 (Part 1)
260	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metallic materials	Charpy Impact test	ASME BPVC SECTION IX

SCOPE OF ACCREDITATION

Laboratory Name : UNITECH LABORATORIES SERVICES, 16, SAMRAT INDUSTRIAL AREA, GONDAL ROAD, RAJKOT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7322 **Page No** 17 of 23

Validity 21/09/2022 to 20/09/2024 **Last Amended on** 12/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
261	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metallic materials	Charpy Impact test	ASTM E23
262	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metallic materials	Charpy Impact test	ISO 148-1
263	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metallic materials	Yield strength	ASTM E8
264	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metallic materials	Yield strength	IS 1608 (Part 1)
265	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metallic materials	Yield strength	Withdrawn Standard: EN 10002 (Part 1)
266	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metallic materials	% Elongation	ASTM E8
267	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metallic materials	% Elongation	IS 1608 (Part 1)
268	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metallic materials	% Elongation	Withdrawn Standard: EN 10002 (Part-1)
269	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metallic materials	% Reduction in area	ASTM E8
270	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metallic materials	% Reduction in area	IS 1608 (Part 1)
271	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metallic materials	% Reduction in area	Withdrawn Standard: EN 10002 (Part-1)
272	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metallic materials	Proof stress 0.2 % to 1 %	ASTM E8
273	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metallic materials	Proof stress 0.2 % to 1 %	IS 1608 (Part 1)
274	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metallic materials	Proof stress 0.2 % to 1 %	Withdrawn Standard: EN 10002 (Part-1)

SCOPE OF ACCREDITATION

Laboratory Name : UNITECH LABORATORIES SERVICES, 16, SAMRAT INDUSTRIAL AREA, GONDAL ROAD, RAJKOT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7322 **Page No** 18 of 23

Validity 21/09/2022 to 20/09/2024 **Last Amended on** 12/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
275	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metallic materials	Tensile strength	ASTM E8
276	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metallic materials	Tensile strength	IS 1608 (Part 1)
277	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metallic materials	Tensile strength	Withdrawn Standard: EN 10002 (Part-1)
278	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metallic materials	% Elongation	ISO 6892 Part 1
279	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metallic materials	% Reduction in area	ASTM E8
280	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metallic materials	% Reduction in area	ISO 6892 Part1
281	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metallic Materials	Flanging test	EN ISO 8494
282	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metallic Materials	Flaring Test	EN ISO 8493
283	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metallic Materials	Flattening Test on tube	ASTM B111
284	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metallic Materials	Flattening Test on tube	IS 2328
285	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metallic Materials	Flattening Test on tube	ISO 8492
286	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metallic materials	Hardness testing (Rockwell B Scale)	ASTM E18
287	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metallic materials	Hardness testing (Rockwell B Scale)	IS 1586 (Part 1)
288	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metallic Materials	Hardness testing (Rockwell B Scale)	ISO 6508 (Part 1)

SCOPE OF ACCREDITATION

Laboratory Name : UNITECH LABORATORIES SERVICES, 16, SAMRAT INDUSTRIAL AREA, GONDAL ROAD, RAJKOT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7322 **Page No** 19 of 23

Validity 21/09/2022 to 20/09/2024 **Last Amended on** 12/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
289	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metallic materials	Hardness testing (Rockwell C Scale)	ASTM E18
290	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metallic materials	Hardness testing (Rockwell C Scale)	IS 1586 (Part 1)
291	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Metallic materials	Hardness testing (Rockwell C Scale)	ISO 6508 (Part 1)
292	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Metallic materials	Proof load for Bolts & studs	ASTM F606
293	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metallic materials	Proof stress 0.2 % to 1 %	ISO 6892 Part1
294	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metallic materials	Tensile strength	ISO 6892 Part 1
295	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metallic materials	Yield strength	ISO 6892 Part 1
296	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Metallic materials of welds	Charpy Impact test	BS ISO 15614-1
297	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Metallic materials with weld joint	Tensile strength	EN 895
298	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Metallic materials with weld joint	Tensile strength	ISO 4136
299	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Metallic materials with weld joint	Tensile strength	ASME SEC. IX
300	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous: Plate, bar, Pipe, Tube, Wire, Cast Specimen & Products	Bend Test	ASME SEC. IX
301	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcing Bars, Rods and wires for concrete	Yield strength	ISO 15630 (Part -1)
302	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcing Bars, Rods and wires for concrete	% Elongation	ISO 15630 (Part -1)

SCOPE OF ACCREDITATION

Laboratory Name : UNITECH LABORATORIES SERVICES, 16, SAMRAT INDUSTRIAL AREA, GONDAL ROAD, RAJKOT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7322 **Page No** 20 of 23

Validity 21/09/2022 to 20/09/2024 **Last Amended on** 12/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
303	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcing Bars, Rods and wires for concrete	% Reduction in area	ISO 15630 (Part -1)
304	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcing Bars, Rods and wires for concrete	Proof stress 0.2 % to 1 %	ISO 15630 (Part -1)
305	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcing Bars, Rods and wires for concrete	Tensile strength	ISO 15630 (Part -1)
306	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel bars and wires for use as reinforcement in concrete	Bend & Rebend test of TMT Bar/Reinforcement Bar	ISO 15630-1
307	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel bars and wires for use as reinforcement in concrete	Rebend test of TMT Bar/Reinforcement Bar	IS 1786
308	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel, stainless steels and related alloys	Charpy Impact test	ASTM A370
309	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Ferrous metallic material	Bend Test	ISO 5173
310	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wrought And cast Aluminum and magnesium alloy products	Yield strength	ASTM B557
311	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wrought And cast Aluminum and magnesium alloy products	% Elongation	ASTM B557
312	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wrought And cast Aluminum and magnesium alloy products	% Reduction in area	ASTM B557
313	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wrought And cast Aluminum and magnesium alloy products	Proof stress 0.2 % to 1 %	ASTM B557
314	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wrought And cast Aluminum and magnesium alloy products	Tensile strength	ASTM B557
315	MECHANICAL-METALLOGRAPHY TEST	Austenitic stainless steel	IGC Practice-C	ASTM A262
316	MECHANICAL-METALLOGRAPHY TEST	Austenitic stainless steel	IGC Practice-E	ASTM A262

SCOPE OF ACCREDITATION

Laboratory Name : UNITECH LABORATORIES SERVICES, 16, SAMRAT INDUSTRIAL AREA, GONDAL ROAD, RAJKOT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7322 **Page No** 21 of 23

Validity 21/09/2022 to 20/09/2024 **Last Amended on** 12/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
317	MECHANICAL-METALLOGRAPHY TEST	Austenitic stainless steel	IGC Practice-F	ASTM A262
318	MECHANICAL-METALLOGRAPHY TEST	Austenitic stainless steel	Practice-A	ASTM A 262
319	MECHANICAL-METALLOGRAPHY TEST	Austenitic stainless steel	Practice-B	ASTM A 262
320	MECHANICAL-METALLOGRAPHY TEST	Austenitic, Ferritic-Austenitic Stainless Steel	Huey Test	ISO 3651-1
321	MECHANICAL-METALLOGRAPHY TEST	Cast iron and related alloys	Microstructure of graphite in cast iron	ASTM A247
322	MECHANICAL-METALLOGRAPHY TEST	Cast iron and related alloys	Microstructure of graphite in cast iron	ISO 945-1
323	MECHANICAL-METALLOGRAPHY TEST	Cast iron and related alloys	Microstructure of graphite in cast iron	IS 7754
324	MECHANICAL-METALLOGRAPHY TEST	Duplex (Austenitic/ Ferritic) Stainless Steel	Method-A	ASTM A923
325	MECHANICAL-METALLOGRAPHY TEST	Duplex(Austenitic/Ferritic) Stainless Steel	Method-C	ASTM A923
326	MECHANICAL-METALLOGRAPHY TEST	Ferritic, Austenitic, Ferritic-Austenitic Stainless Steel	Method-A	ISO 3651-2
327	MECHANICAL-METALLOGRAPHY TEST	Ferritic, Austenitic, Ferritic-Austenitic Stainless Steel	Method-B	ISO 3651-2
328	MECHANICAL-METALLOGRAPHY TEST	Ferritic, Austenitic, Ferritic-Austenitic Stainless Steel	Method-C	ISO 3651-2
329	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metallic materials	Carbide Structure	SEP 1520
330	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metallic materials	Coating thickness	ASTM B487
331	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metallic materials	Degree of bending	ASTM E1268
332	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metallic materials	Ferrite Content test	ASTM A800
333	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metallic materials	Grain size measurement	ASTM E112
334	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metallic materials	Inclusion Rating	ASTM E45
335	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metallic materials	Inclusion Rating	IS 4163

SCOPE OF ACCREDITATION

Laboratory Name : UNITECH LABORATORIES SERVICES, 16, SAMRAT INDUSTRIAL AREA, GONDAL ROAD, RAJKOT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7322 **Page No** 22 of 23

Validity 21/09/2022 to 20/09/2024 **Last Amended on** 12/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
336	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metallic materials	Inclusion Rating	ISO 4967
337	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metallic materials	Macro etch test	ASTM E340
338	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metallic materials	Micro Examination	ASM Hand Book Vol. 9
339	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metallic materials	Volume fraction	ASTM E1245
340	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metallic materials	Volume fraction	ASTM E562
341	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metallic materials	Case depth	IS 6416
342	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metallic materials	Case depth	SAE J 423
343	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metallic materials	Decarburization depth	ASTM E1077
344	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metallic materials	Decarburization depth	IS 6396
345	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metallic materials	Grain size measurement	IS 4748
346	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metallic materials	Grain size measurement	ISO 643
347	MECHANICAL-METALLOGRAPHY TEST	Non Ferrous Metallic Material	Volume Fraction	ASTM E562
348	MECHANICAL-METALLOGRAPHY TEST	Non- Ferrous Metallic materials	Coating thickness	ASTM B487
349	MECHANICAL-METALLOGRAPHY TEST	Non- Ferrous Metallic materials	Macro etch test	ASTM E340
350	MECHANICAL-METALLOGRAPHY TEST	Non- Ferrous Metallic materials	Micro Examination	ASM Hand Book Vol. 9
351	MECHANICAL-METALLOGRAPHY TEST	Non- Ferrous Metallic materials	Coating thickness	IS 3203
352	MECHANICAL-METALLOGRAPHY TEST	Non- Ferrous Metallic materials	Grain size measurement	ASTM E112
353	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel & Related Alloys	Method A	ASTM G48
354	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel & Related Alloys	Method B	ASTM G48

SCOPE OF ACCREDITATION

Laboratory Name : UNITECH LABORATORIES SERVICES, 16, SAMRAT INDUSTRIAL AREA, GONDAL ROAD, RAJKOT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7322 **Page No** 23 of 23

Validity 21/09/2022 to 20/09/2024 **Last Amended on** 12/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
355	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel & Related Alloys	Method E	ASTM G48
356	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel and Related Alloys	Copper Sulfate Test	ASTM A380
357	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel and Related Alloys	Copper Sulfate Test Practice D	ASTM A967
358	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel and related alloys	Ferroxyl test	ASTM A380
359	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel and Related Alloys	Water Immersion Test Practice A	ASTM A967
360	MECHANICAL-METALLOGRAPHY TEST	Steel Bars, Billets, Blooms, and Forgings	Macro etch test	ASTM E381
361	MECHANICAL-METALLOGRAPHY TEST	Steel Products (Bars, Billets, Blooms and Forgings)	Macro etch test	IS 13015
362	MECHANICAL-METALLOGRAPHY TEST	Welds in ferrous metallic materials	Macro etch test	BS EN 1321
363	MECHANICAL-METALLOGRAPHY TEST	Welds in ferrous metallic materials	Micro Examination	BS EN ISO 17639
364	MECHANICAL-METALLOGRAPHY TEST	Wrought products	Macro etch test	IS 11371
365	MECHANICAL-METALLOGRAPHY TEST	Wrought, Nickel Rich, Chromium Bearing Alloys Steel	Practice-A	ASTM G28
366	MECHANICAL-METALLOGRAPHY TEST	Zinc Coating	Uniformity of Zinc Coating	IS 2633