National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	CHAKAN TESTING AND RESEARCH LAB, M.NO: 948, GAT NO: 231, KHARABWADI, VARCHI KAD WASTI, CHAKAN, TAL:KHED, CHAKAN, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-8638	**Page No**	1 of 15
Validity	28/08/2022 to 27/08/2024	**Last Amended on**	02/05/2023

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	Coated Products / Panels / Raw Materials	Salt Spray Test	ASTM B117
2	CHEMICAL- CORROSION TESTS	Coated Products / Panels / Raw Materials	Salt Spray Test	ISO 9227
3	CHEMICAL- METALS & ALLOYS	Alloy steel	Aluminium	ASTM E-415
4	CHEMICAL- METALS & ALLOYS	Alloy Steel	Aluminium	IS 8811
5	CHEMICAL- METALS & ALLOYS	Alloy Steel	Boron	ASTM E-415
6	CHEMICAL- METALS & ALLOYS	Alloy Steel	Boron	IS 8811
7	CHEMICAL- METALS & ALLOYS	Alloy Steel	Carbon	ASTM E-415
8	CHEMICAL- METALS & ALLOYS	Alloy Steel	Carbon	IS 8811
9	CHEMICAL- METALS & ALLOYS	Alloy Steel	Chromium	ASTM E-415
10	CHEMICAL- METALS & ALLOYS	Alloy Steel	Chromium	IS 8811
11	CHEMICAL- METALS & ALLOYS	Alloy Steel	Cobalt	ASTM E-415
12	CHEMICAL- METALS & ALLOYS	Alloy Steel	Cobalt	IS 8811
13	CHEMICAL- METALS & ALLOYS	Alloy Steel	Copper	ASTM E-415
14	CHEMICAL- METALS & ALLOYS	Alloy Steel	Copper	IS 8811
15	CHEMICAL- METALS & ALLOYS	Alloy Steel	Manganese	ASTM E-415
16	CHEMICAL- METALS & ALLOYS	Alloy Steel	Manganese	IS 8811
17	CHEMICAL- METALS & ALLOYS	Alloy Steel	Molybdenum	ASTM E-415
18	CHEMICAL- METALS & ALLOYS	Alloy Steel	Molybdenum	IS 8811

SCOPE OF ACCREDITATION

Laboratory Name :	CHAKAN TESTING AND RESEARCH LAB, M.NO: 948, GAT NO: 231, KHARABWADI, VARCHI KAD WASTI, CHAKAN, TAL:KHED, CHAKAN, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-8638	**Page No**	2 of 15
Validity	28/08/2022 to 27/08/2024	**Last Amended on**	02/05/2023

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	Alloy Steel	Nickel	ASTM E-415
20	CHEMICAL- METALS & ALLOYS	Alloy Steel	Nickel	IS 8811
21	CHEMICAL- METALS & ALLOYS	Alloy Steel	Nitrogen	ASTM E-415
22	CHEMICAL- METALS & ALLOYS	Alloy Steel	Phosphorous	ASTM E-415
23	CHEMICAL- METALS & ALLOYS	Alloy Steel	Phosphorous	IS 8811
24	CHEMICAL- METALS & ALLOYS	Alloy Steel	Silicon	ASTM E-415
25	CHEMICAL- METALS & ALLOYS	Alloy Steel	Silicon	IS 8811
26	CHEMICAL- METALS & ALLOYS	Alloy Steel	Sulphur	ASTM E-415
27	CHEMICAL- METALS & ALLOYS	Alloy Steel	Sulphur	IS 8811
28	CHEMICAL- METALS & ALLOYS	Alloy Steel	Tin	IS 8811
29	CHEMICAL- METALS & ALLOYS	Alloy Steel	Titanium	IS 8811
30	CHEMICAL- METALS & ALLOYS	Alloy Steel	Vanadium	ASTM E-415
31	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Aluminium	ASTM E-415
32	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Aluminium	IS 8811
33	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Boron	ASTM E-415
34	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Boron	IS 8811
35	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Carbon	ASTM E-415
36	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Carbon	IS 8811
37	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Chromium	ASTM E-415

SCOPE OF ACCREDITATION

Laboratory Name :	CHAKAN TESTING AND RESEARCH LAB, M.NO: 948, GAT NO: 231, KHARABWADI, VARCHI KAD WASTI, CHAKAN, TAL:KHED, CHAKAN, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-8638	**Page No**	3 of 15
Validity	28/08/2022 to 27/08/2024	**Last Amended on**	02/05/2023

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 Steel (low carbon, medium carbon & high carbon)	Chromium	IS 8811
39	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Cobalt	ASTM E-415
40	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Cobalt	IS 8811
41	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Copper	ASTM E-415
42	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Copper	IS 8811
43	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Manganese	ASTM E-415
44	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Manganese	IS 8811
45	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Molybdenum	ASTM E-415
46	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Molybdenum	IS 8811
47	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Nickel	ASTM E-415
48	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Nickel	IS 8811
49	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Nitrogen	ASTM E-415
50	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Phosphorous	ASTM E-415
51	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Phosphorous	IS 8811
52	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Silicon	ASTM E-415
53	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Silicon	IS 8811
54	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Sulphur	ASTM E- 415
55	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Sulphur	IS 8811
56	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon)	Titanium	ASTM E-415

SCOPE OF ACCREDITATION

Laboratory Name :	CHAKAN TESTING AND RESEARCH LAB, M.NO: 948, GAT NO: 231, KHARABWADI, VARCHI KAD WASTI, CHAKAN, TAL:KHED, CHAKAN, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-8638	**Page No**	4 of 15
Validity	28/08/2022 to 27/08/2024	**Last Amended on**	02/05/2023

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	Carbon Steel (low carbon, medium carbon & high carbon)	Vanadium	ASTM E-415
58	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Plate, Wire, Strips, Forged Samples	Carbon	JIS G 1253
59	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Plate, Wire, Strips, Forged Samples	Cobalt	JIS G 1253
60	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Plate, Wire, Strips, Forged Samples	Manganese	JIS G 1253
61	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Plate, Wire, Strips, Forged Samples	Molybdenum	JIS G 1253
62	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Plate, Wire, Strips, Forged Samples	Phosphorus	JIS G 1253
63	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Plate, Wire, Strips, Forged Samples	Silicon	JIS G 1253
64	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Plate, Wire, Strips, Forged Samples	Sulphur	JIS G 1253
65	CHEMICAL- METALS & ALLOYS	Round Bar, Square bar, Sheets, Plates, Pipes Tubes, Forged Samples, Nut , Bot, Studs	Manganese	IS 8811:1998, RA
66	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Sheets, Plates, Pipes Tubes, Forged Samples, Nut, Bot, Studs	Aluminium	ASTM E415
67	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Sheets, Plates, Pipes Tubes, Forged Samples, Nut, Bot, Studs	Aluminium	IS 8811:1998, RA
68	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Sheets, Plates, Pipes Tubes, Forged Samples, Nut, Bot, Studs	Boron	ASTM E415
69	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Sheets, Plates, Pipes Tubes, Forged Samples, Nut, Bot, Studs	Boron	IS 8811:1998, RA
70	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Sheets, Plates, Pipes Tubes, Forged Samples, Nut, Bot, Studs	Carbon	ASTM E1086
71	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Sheets, Plates, Pipes Tubes, Forged Samples, Nut, Bot, Studs	Carbon	ASTM E415
72	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Sheets, Plates, Pipes Tubes, Forged Samples, Nut, Bot, Studs	Carbon	IS 8811:1998, RA
73	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Sheets, Plates, Pipes Tubes, Forged Samples, Nut, Bot, Studs	Carbon	IS 9879:1998, RA
74	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Sheets, Plates, Pipes Tubes, Forged Samples, Nut, Bot, Studs	Chromium	ASTM E1086
75	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Sheets, Plates, Pipes Tubes, Forged Samples, Nut, Bot, Studs	Chromium	ASTM E415

SCOPE OF ACCREDITATION

Laboratory Name :	CHAKAN TESTING AND RESEARCH LAB, M.NO: 948, GAT NO: 231, KHARABWADI, VARCHI KAD WASTI, CHAKAN, TAL:KHED, CHAKAN, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-8638	**Page No**	5 of 15
Validity	28/08/2022 to 27/08/2024	**Last Amended on**	02/05/2023

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	Round Bar, Square Bar, Sheets, Plates, Pipes Tubes, Forged Samples, Nut, Bot, Studs	Chromium	IS 8811:1998, RA
77	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Sheets, Plates, Pipes Tubes, Forged Samples, Nut, Bot, Studs	Chromium	IS 9879:1998, RA
78	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Sheets, Plates, Pipes Tubes, Forged Samples, Nut, Bot, Studs	Cobalt	ASTM E415
79	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Sheets, Plates, Pipes Tubes, Forged Samples, Nut, Bot, Studs	Cobalt	IS 8811:1998, RA
80	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Sheets, Plates, Pipes Tubes, Forged Samples, Nut, Bot, Studs	Copper	ASTM E1086
81	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Sheets, Plates, Pipes Tubes, Forged Samples, Nut, Bot, Studs	Copper	ASTM E415
82	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Sheets, Plates, Pipes Tubes, Forged Samples, Nut, Bot, Studs	Copper	IS 8811:1998, RA
83	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Sheets, Plates, Pipes Tubes, Forged Samples, Nut, Bot, Studs	Copper	IS 9879:1998, RA
84	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Sheets, Plates, Pipes Tubes, Forged Samples, Nut, Bot, Studs	Manganese	ASTM E1086
85	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Sheets, Plates, Pipes Tubes, Forged Samples, Nut, Bot, Studs	Manganese	ASTM E415
86	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Sheets, Plates, Pipes Tubes, Forged Samples, Nut, Bot, Studs	Manganese	IS 9879:1998, RA
87	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Sheets, Plates, Pipes Tubes, Forged Samples, Nut, Bot, Studs	Molybdenum	ASTM E1086
88	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Sheets, Plates, Pipes Tubes, Forged Samples, Nut, Bot, Studs	Molybdenum	ASTM E415
89	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Sheets, Plates, Pipes Tubes, Forged Samples, Nut, Bot, Studs	Molybdenum	IS 8811:1998, RA
90	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Sheets, Plates, Pipes Tubes, Forged Samples, Nut, Bot, Studs	Molybdenum	IS 9879:1998, RA
91	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Sheets, Plates, Pipes Tubes, Forged Samples, Nut, Bot, Studs	Nickel	ASTM E1086
92	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Sheets, Plates, Pipes Tubes, Forged Samples, Nut, Bot, Studs	Nickel	ASTM E415
93	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Sheets, Plates, Pipes Tubes, Forged Samples, Nut, Bot, Studs	Nickel	IS 8811:1998, RA
94	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Sheets, Plates, Pipes Tubes, Forged Samples, Nut, Bot, Studs	Nickel	IS 9879:1998, RA

SCOPE OF ACCREDITATION

Laboratory Name :	CHAKAN TESTING AND RESEARCH LAB, M.NO: 948, GAT NO: 231, KHARABWADI, VARCHI KAD WASTI, CHAKAN, TAL:KHED, CHAKAN, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-8638	**Page No**	6 of 15
Validity	28/08/2022 to 27/08/2024	**Last Amended on**	02/05/2023

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	Round Bar, Square Bar, Sheets, Plates, Pipes Tubes, Forged Samples, Nut, Bot, Studs	Nitrogen	ASTM E415
96	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Sheets, Plates, Pipes Tubes, Forged Samples, Nut, Bot, Studs	Phosphorous	ASTM E415
97	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Sheets, Plates, Pipes Tubes, Forged Samples, Nut, Bot, Studs	Phosphorous	IS 8811:1998, RA
98	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Sheets, Plates, Pipes Tubes, Forged Samples, Nut, Bot, Studs	Phosphorus	ASTM E1086
99	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Sheets, Plates, Pipes Tubes, Forged Samples, Nut, Bot, Studs	Phosphorus	IS 9879:1998, RA
100	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Sheets, Plates, Pipes Tubes, Forged Samples, Nut, Bot, Studs	Silicon	ASTM E1086
101	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Sheets, Plates, Pipes Tubes, Forged Samples, Nut, Bot, Studs	Silicon	ASTM E1086
102	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Sheets, Plates, Pipes Tubes, Forged Samples, Nut, Bot, Studs	Silicon	ASTM E415
103	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Sheets, Plates, Pipes Tubes, Forged Samples, Nut, Bot, Studs	Silicon	IS 8811:1998, RA
104	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Sheets, Plates, Pipes Tubes, Forged Samples, Nut, Bot, Studs	Sulphur	ASTM E1086
105	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Sheets, Plates, Pipes Tubes, Forged Samples, Nut, Bot, Studs	Sulphur	ASTM E415
106	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Sheets, Plates, Pipes Tubes, Forged Samples, Nut, Bot, Studs	Sulphur	IS 8811:1998, RA
107	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Sheets, Plates, Pipes Tubes, Forged Samples, Nut, Bot, Studs	Sulphur	IS 9879:1998, RA
108	CHEMICAL- METALS & ALLOYS	Round Bar, Square Bar, Sheets, Plates, Pipes Tubes, Forged Samples, Nut, Bot, Studs	Vanadium	ASTM E415
109	CHEMICAL- METALS & ALLOYS	Stainless steel	Aluminium	IS 9879
110	CHEMICAL- METALS & ALLOYS	Stainless steel	Carbon	ASTM E 1086
111	CHEMICAL- METALS & ALLOYS	Stainless steel	Carbon	IS 9879
112	CHEMICAL- METALS & ALLOYS	Stainless steel	Chromium	ASTM E 1086
113	CHEMICAL- METALS & ALLOYS	Stainless steel	Chromium	IS 9879

SCOPE OF ACCREDITATION

Laboratory Name :	CHAKAN TESTING AND RESEARCH LAB, M.NO: 948, GAT NO: 231, KHARABWADI, VARCHI KAD WASTI, CHAKAN, TAL:KHED, CHAKAN, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-8638
Page No	7 of 15
Validity	28/08/2022 to 27/08/2024
Last Amended on	02/05/2023

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	Copper	ASTM E 1086
115	CHEMICAL- METALS & ALLOYS	Stainless steel	Copper	IS 9879
116	CHEMICAL- METALS & ALLOYS	Stainless steel	Manganese	ASTM E 1086
117	CHEMICAL- METALS & ALLOYS	Stainless steel	Manganese	IS 9879
118	CHEMICAL- METALS & ALLOYS	Stainless steel	Molybdenum	ASTM E 1086
119	CHEMICAL- METALS & ALLOYS	Stainless steel	Molybdenum	IS 9879
120	CHEMICAL- METALS & ALLOYS	Stainless steel	Nickel	ASTM E 1086
121	CHEMICAL- METALS & ALLOYS	Stainless steel	Nickel	IS 9879
122	CHEMICAL- METALS & ALLOYS	Stainless steel	Phosphorus	ASTM E 1086
123	CHEMICAL- METALS & ALLOYS	Stainless steel	Phosphorus	IS 9879
124	CHEMICAL- METALS & ALLOYS	Stainless steel	Silicon	ASTM E 1086
125	CHEMICAL- METALS & ALLOYS	Stainless steel	Silicon	IS 9879
126	CHEMICAL- METALS & ALLOYS	Stainless steel	Sulphur	ASTM E 1086
127	CHEMICAL- METALS & ALLOYS	Stainless steel	Sulphur	IS 9879
128	CHEMICAL- METALS & ALLOYS	Tool Steel	Carbon	ASTM E 352
129	CHEMICAL- METALS & ALLOYS	Tool Steel	Carbon	JIS G-1253
130	CHEMICAL- METALS & ALLOYS	Tool Steel	Chromium	ASTM E 352
131	CHEMICAL- METALS & ALLOYS	Tool Steel	Manganese	ASTM E 352
132	CHEMICAL- METALS & ALLOYS	Tool Steel	Manganese	JIS G-1253

SCOPE OF ACCREDITATION

Laboratory Name :	CHAKAN TESTING AND RESEARCH LAB, M.NO: 948, GAT NO: 231, KHARABWADI, VARCHI KAD WASTI, CHAKAN, TAL:KHED, CHAKAN, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-8638	**Page No**	8 of 15
Validity	28/08/2022 to 27/08/2024	**Last Amended on**	02/05/2023

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	Tool Steel	Molybdenum	ASTM E 352
134	CHEMICAL- METALS & ALLOYS	Tool Steel	Molybdenum	JIS G-1253
135	CHEMICAL- METALS & ALLOYS	Tool Steel	Phosphorus	JIS G-1253
136	CHEMICAL- METALS & ALLOYS	Tool Steel	Phosphorus	ASTM E 352
137	CHEMICAL- METALS & ALLOYS	Tool Steel	Silicon	ASTM E 352
138	CHEMICAL- METALS & ALLOYS	Tool Steel	Silicon	JIS G- 1253
139	CHEMICAL- METALS & ALLOYS	Tool Steel	Sulphur	ASTM E 352
140	CHEMICAL- METALS & ALLOYS	Tool Steel	Sulphur	JIS G-1253
141	CHEMICAL- METALS & ALLOYS	Tool Steel	Vanadium	ASTM E 352
142	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous material, alloys, and products	End Quench test for Hardenability of Steel	EN ISO 642
143	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous material, alloys, and products	End Quench test for Hardenability of steel	IS 3848
144	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	End Quench test for Hardenability of steel	ASTM A255
145	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material (Weld Joint)	Elongation	ISO 5178
146	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Bend Test	ASTM E290
147	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Bend Test	IS 1599
148	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Bend Test	ISO 7438

SCOPE OF ACCREDITATION

Laboratory Name :	CHAKAN TESTING AND RESEARCH LAB, M.NO: 948, GAT NO: 231, KHARABWADI, VARCHI KAD WASTI, CHAKAN, TAL:KHED, CHAKAN, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-8638
Page No	9 of 15
Validity	28/08/2022 to 27/08/2024
Last Amended on	02/05/2023

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	Metallic Material	Bend Test	SA 370
150	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Brinell Hardness Test (HBW 10/3000)	ASTM E10
151	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Brinell Hardness Test (HBW 10/3000)	BS EN ISO 6506-1
152	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Brinell Hardness Test (HBW 10/3000)	IS 1500 Part 1
153	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Brinell Hardness Test (HBW 5/750)	ASTM E10
154	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Brinell Hardness Test (HBW 5/750)	BS EN ISO 6506-1
155	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Brinell Hardness Test (HBW 5/750)	IS 1500 Part 1
156	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Charpy V Notch Impact test { room temp. to (-) 196° C}	ASTM E23
157	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Charpy V Notch Impact test { room temp. to (-) 196° C}	ISO 148-1
158	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Elongation	ASTM A370
159	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Elongation	ASTM E8/E8M
160	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Elongation	IS 1608: Part 1
161	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Elongation	ISO 6892:1
162	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Measurement of Lateral Expansion	ASTM A370

SCOPE OF ACCREDITATION

Laboratory Name :	CHAKAN TESTING AND RESEARCH LAB, M.NO: 948, GAT NO: 231, KHARABWADI, VARCHI KAD WASTI, CHAKAN, TAL:KHED, CHAKAN, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-8638
Page No	10 of 15
Validity	28/08/2022 to 27/08/2024
Last Amended on	02/05/2023

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	Metallic Material	Measurement of Lateral Expansion	ASTM E23
164	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Reduction of Area	ASTM A 370
165	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Reduction of area	ASTM E8/E8M
166	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Reduction of area	IS 1608: Part 1
167	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Reduction of area	ISO 6892 :1
168	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Rockwell Hardness Test (HRA)	ASTM E18
169	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Rockwell Hardness Test (HRA)	IS 1586 Part 1
170	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Rockwell Hardness Test (HRA)	ISO 6508 Part 1
171	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Rockwell Hardness Test (HRB)	ASTM E18
172	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Rockwell Hardness Test (HRC)	ASTM E18
173	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Rockwell Hardness Test(HRB)	IS 1586 PART 1
174	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Rockwell Hardness Test(HRB)	ISO 6508-1
175	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Rockwell Hardness Test(HRC)	IS 1586 Part 1
176	MECHANICAL-MECHANICAL PROPERTIES OF METALS	metallic Material	Rockwell Hardness Test(HRC)	ISO 6508-1

SCOPE OF ACCREDITATION

Laboratory Name :	CHAKAN TESTING AND RESEARCH LAB, M.NO: 948, GAT NO: 231, KHARABWADI, VARCHI KAD WASTI, CHAKAN, TAL:KHED, CHAKAN, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-8638	**Page No**	11 of 15
Validity	28/08/2022 to 27/08/2024	**Last Amended on**	02/05/2023

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	Metallic Material	Ultimate Tensile Strength	ASME Section IX
178	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Ultimate Tensile Strength	ASTM A370
179	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Ultimate Tensile Strength	ASTM E8/E8M
180	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Ultimate Tensile Strength	IS 1608 Part 1
181	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Ultimate Tensile Strength	ISO 6892 Part 1
182	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	V Notch Charpy Impact Test at Room Temperature to -110°C & -196°C	IS 1757-1
183	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic material	VICKERS HARDNESS TEST(HV5)	IS 1501 PART 1
184	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Yield/Proof Stress	ASTM A 370
185	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Yield/Proof Stress	ASTM E8/E8M
186	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Yield/Proof Stress	IS 1608: Part1
187	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Yield/Proof Stress	ISO 6892:1
188	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	VICKERS HARDNESS TEST (HV10)	ASTM E92
189	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	VICKERS HARDNESS TEST (HV10)	IS 1501 PART 1
190	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	VICKERS HARDNESS TEST (HV10)	ISO 6507-1

SCOPE OF ACCREDITATION

Laboratory Name :	CHAKAN TESTING AND RESEARCH LAB, M.NO: 948, GAT NO: 231, KHARABWADI, VARCHI KAD WASTI, CHAKAN, TAL:KHED, CHAKAN, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-8638
Page No	12 of 15
Validity	28/08/2022 to 27/08/2024
Last Amended on	02/05/2023

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	Metallic Materials	VICKERS HARDNESS TEST (HV30)	IS 1501 PART 1
192	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	VICKERS HARDNESS TEST (HV5)	ASTM E92
193	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	VICKERS HARDNESS TEST (HV5)	ISO 6507-1
194	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	VICKERS HARDNESS TEST(HV30)	ASTM E92
195	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	VICKERS HARDNESS TEST(HV30)	ISO 6507 PART 1
196	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Crushing Test	IS 3601
197	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Fracture Test	ASME SEC IX
198	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Fracture Test	AWS D1.1/D1.1M
199	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Fracture Test	IS 3600 (Part 8)
200	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Fracture Test	ISO 9017
201	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Sectioning Test	ASME SEC IX
202	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plate, Bar, Forging and Castings	Hardness Test in HBW at 750 kgf Load and 5.0 mm Ball Indentor	ASTM E10
203	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plate, Bar, Forgings, Castings	V Notch Charpy Impact Test at Room Temperature to -110°C & -196°C	ASTM E23
204	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plate, Pipes, Tubes, Round Bar, Rods, Wires, Forging, Casting	Elongation	E8M-16a/ASTM A370

SCOPE OF ACCREDITATION

Laboratory Name :	CHAKAN TESTING AND RESEARCH LAB, M.NO: 948, GAT NO: 231, KHARABWADI, VARCHI KAD WASTI, CHAKAN, TAL:KHED, CHAKAN, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-8638
Page No	13 of 15
Validity	28/08/2022 to 27/08/2024
Last Amended on	02/05/2023

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	Plate, Pipes, Tubes, Round Bar, Rods, Wires, Forging, Casting	Ultimate Tensile Strength (UTS) (Calibrated Load Range: (6 kN to 600 kN)	E8M-16a/ASTM A370
206	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plate, Pipes, Tubes, Round Bar, Rods, Wires, forging, Casting	Yield Strength (Calibrated Load Range: (12 kN to 600 kN))	E8M-16a/ASTM A370
207	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plate, Pipes, Tubes, Round Bar, Rods, Wires, Welded Products	Bend Test	IS 1599:2012, RA
208	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Bar, Forging, Casting	V Notch Charpy Impact Test at Room Temperature to -110°C & -196°C	ASTM E23
209	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Bar, Forgings, Castings	Hardness Test in HBW at 3000 kgf Load and 10 mm Ball Indentor	ASTM E10
210	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Bar, Forgings, Castings	Hardness Test on Rockwell "B"Scale	ASTM E18
211	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Bar, Forgings, Castings	Hardness Test on Rockwell "C"Scale	ASTM E18
212	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Threaded Steel fasteners (Nuts)	Load Test for Nuts with Specified Proof Loads	IS 1367 (Part 6)
213	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Tubes and Pipes	Flattening Test	IS 2328
214	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Tubes and Pipes	Tube-Drift Expanding Test	IS 2335:2005, RA
215	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Metallic Material (fusion welded joints and weld metal in steel)	Macro Test/ Weld analysis	IS 3600:Part 9
216	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Metallic Material	Macro Test/ Weld Analysis	ASME Section IX
217	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Metallic Material	Macro Test/ Weld analysis	ASTM E 340
218	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Metallic Material	Macro Test/ Weld analysis	BS EN ISO 17639

SCOPE OF ACCREDITATION

Laboratory Name :	CHAKAN TESTING AND RESEARCH LAB, M.NO: 948, GAT NO: 231, KHARABWADI, VARCHI KAD WASTI, CHAKAN, TAL:KHED, CHAKAN, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-8638	**Page No**	14 of 15
Validity	28/08/2022 to 27/08/2024	**Last Amended on**	02/05/2023

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-METALLOGRAPHY TEST	Bar, Plates, Forgings, Castings and other Engineering Components	Grain Size Measurement by Comparison Method	ASTM E112
220	MECHANICAL-METALLOGRAPHY TEST	Bar, Plates, Forgings, Castings and other Engineering Machined Components	Case Depth Measurement by Microscopic Method	IS 6416
221	MECHANICAL-METALLOGRAPHY TEST	Bar, Plates, Forgings, Castings and other Engineering Machined Components	Decarb Layer by Microscopic Method	ASTM E1077
222	MECHANICAL-METALLOGRAPHY TEST	Cast Irons	Microstructure analysis/ Micro examination	ASTM A247
223	MECHANICAL-METALLOGRAPHY TEST	Casting	Micro Structure of Graphite in Cast Iron at Magnification 50 X to 800 X	ASTM A247
224	MECHANICAL-METALLOGRAPHY TEST	Casting	Nodularity in SG Iron	ASTM A247
225	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Intergranular Corrosion Test (Practice A)	ASTM A262
226	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Case Depth by Microscopic method	IS 6416
227	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Case Depth by Microscopic method	ISO 18203
228	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Determination of Decarb Layer	ASTM E1077
229	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Determination of Decarb Layer	IS 6396
230	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Determination of Decarb Layer	ISO 3887
231	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Estimation of average Grain size	ASTM E112
232	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Estimation of average Grain size	EN ISO 643
233	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Estimation of average Grain size	IS 4748
234	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Inclusion rating	ASTM E45(Method A)
235	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Inclusion rating	BS EN ISO 4967
236	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Inclusion rating	IS 4163(Method A)

SCOPE OF ACCREDITATION

Laboratory Name :	CHAKAN TESTING AND RESEARCH LAB, M.NO: 948, GAT NO: 231, KHARABWADI, VARCHI KAD WASTI, CHAKAN, TAL:KHED, CHAKAN, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-8638	**Page No**	15 of 15
Validity	28/08/2022 to 27/08/2024	**Last Amended on**	02/05/2023

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
237	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Macro Examination	ASTM E 381
238	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Macro Examination	EN ISO 17639
239	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Macro Examination	IS 11371
240	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Macro Examination	IS 3600 Part 9
241	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Microstructure Analysis/ Micro examination	ASM HANBOOK VOLUME-9
242	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Microstructure analysis/ Micro examination	IS 3600 Part 9
243	MECHANICAL-METALLOGRAPHY TEST	Plate, Bar, Pipe, Forgings, Castings	Inclusion Rating Type A to D in Steel Samples	ASTM E45-a
244	MECHANICAL-METALLOGRAPHY TEST	Plate, Pipes, Tubes, Round Bar, Rods, Wires, Welded Products Forging, Casting	Micro-Structure	ASTM E407-07/ASM Handbook Volume 9: Metallography and Microstructures
245	MECHANICAL-METALLOGRAPHY TEST	Sheet, Plate, Pipes, Tubes	Thickness of Coating by Microscopic Method	ASTM B487-85
246	MECHANICAL-METALLOGRAPHY TEST	Stainless steel	IGC Test- Practice E	ASTM A 262