



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

GUJARAT METAL & EQUIPMENTS TESTING LAB (OPC) PRIVATE LIMITED, MANI NAGAR-1,
ANAND BUNGLOW CHK, RAJKOT MALVIYANAGAR MAVDI, RAJKOT, GUJARAT, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-13633

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Validity

08/05/2024 to 07/05/2026

Last Amended on

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Testing				
1	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Aluminium	ASTM E415
2	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Aluminium	IS 8811
3	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Boron	ASTM E415
4	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Carbon	ASTM E415
5	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Carbon	IS 8811
6	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Chromium	ASTM E415
7	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Chromium	IS 8811
8	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Cobalt	ASTM E415
9	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Copper	ASTM E415
10	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Copper	IS 8811
11	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Manganese	ASTM E415
12	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Manganese	IS 8811
13	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Molybdenum	ASTM E415
14	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Molybdenum	IS 8811
15	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Nickel	ASTM E415
16	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Nickel	IS 8811
17	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Phosphorous	ASTM E415
18	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Phosphorus	IS 8811



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19	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Silicon	ASTM E415
20	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Silicon	IS 8811
21	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Sulphur	ASTM E415
22	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Sulphur	IS 8811
23	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Tin	ASTM E415
24	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Tin	IS 8811
25	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Titanium	ASTM E415
26	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Vanadium	ASTM E415
27	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	ASTM E1999
28	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	IS 15338
29	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium	ASTM E1999
30	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium	IS 15338
31	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper	ASTM E1999
32	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper	IS 15338
33	CHEMICAL- METALS & ALLOYS	Cast iron	Manganese	ASTM E1999
34	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	IS 15338
35	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel	ASTM E1999
36	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel	IS 15338
37	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus	ASTM E1999



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38	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus	IS 15338
39	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	ASTM E1999
40	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	IS 15338
41	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur	ASTM E1999
42	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur	IS 15338
43	CHEMICAL- METALS & ALLOYS	Cast Iron	Titanium	ASTM E1999
44	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Aluminium	BS EN 15079
45	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Antimony	BS EN 15079
46	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Arsenic	BS EN 15079
47	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Bismuth	BS EN 15079
48	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Iron	BS EN 15079
49	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Lead	BS EN 15079
50	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Manganese	BS EN 15079
51	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Nickel	BS EN 15079
52	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Phosphorus	BS EN 15079
53	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Silicon	BS EN 15079
54	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Sulphur	BS EN 15079
55	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Tin	BS EN 15079
56	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Zinc	BS EN 15079



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57	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM E1086
58	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS 9879
59	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E1086
60	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 9879
61	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E1086
62	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	IS 9879
63	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E1086
64	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS 9879
65	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E1086
66	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	IS 9879
67	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E1086
68	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 9879
69	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	ASTM E 1086
70	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	IS 9879
71	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E1086
72	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	IS 9879
73	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulfur	ASTM E1086
74	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	IS 9879



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75	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bar, Plate, Pipe, Wire, Cast, Forged Specimen & Products	0.1%, 0.2%, 0.5% & 1 % Proof Stress	IS 1608 (Part 1)
76	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bar, Plate, Pipe, Wire, Cast, Forged Specimen & Products	0.1%, 0.2%, 0.5% & 1 % Proof Stress	ISO 6892 (Part 1)
77	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bar, Plate, Pipe, Wire, Cast, Forged Specimen & Products	% Elongation	IS 1608 (Part 1)
78	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bar, Plate, Pipe, Wire, Cast, Forged Specimen & Products	% Elongation	ISO 6892 (Part 1)
79	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bar, Plate, Pipe, Wire, Cast, Forged Specimen & Products	% Reduction of Area	IS 1608 (Part 1)
80	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bar, Plate, Pipe, Wire, Cast, Forged Specimen & Products	% Reduction of Area	ISO 6892 (Part 1)
81	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bar, Plate, Pipe, Wire, Cast, Forged Specimen & Products	Tensile Strength	IS 1608 (Part 1)
82	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bar, Plate, Pipe, Wire, Cast, Forged Specimen & Products	Tensile Strength	IS 210
83	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bar, Plate, Pipe, Wire, Cast, Forged Specimen & Products	Tensile Strength	ISO 6892 (Part 1)
84	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bar, Plate, Pipe, Wire, Cast, Forged Specimen & Products	Yield Strength	IS 1608 (Part 1)
85	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bar, Plate, Pipe, Wire, Cast, Forged Specimen & Products	Yield Strength	ISO 6892 (Part 1)
86	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Brinell Hardness (10/3000)	IS 1500 (Part 1)
87	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Brinell Hardness (10/3000)	ISO 6506 (Part 1)
88	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Brinell Hardness (5/750)	IS 1500 (Part 1)



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89	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Brinell Hardness (5/750)	IS 6506 (Part 1)
90	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Charpy Impact Test (Room temperature to -196 degree Celsius)	IS 1757 (Part 1)
91	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Charpy Impact Test (Room temperature to -196 degree Celsius)	ISO 148 (Part 1)
92	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Rockwell Hardness Test (Scale B)	IS 1586 (Part 1)
93	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Rockwell Hardness Test (Scale B)	ISO 6508 (Part 1)
94	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Rockwell Hardness Test (Scale C)	IS 1586 (Part 1)
95	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Rockwell Hardness Test (Scale C)	ISO 6508 (Part 1)