National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	MET CHEM LABORATORY SERVICES, 51, SAPPHIRE TOWER, GROUND FLOOR, SHAPAR (VERAVAL), RAJKOT, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7650	**Page No**	1 of 6
Validity	16/12/2022 to 15/12/2024	**Last Amended on**	28/01/2023

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- METALS & ALLOYS	Austenitic Stainless Steel	Carbon	ASTM E-1086
2	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Carbon	IS:9879
3	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Chromium	ASTM E-1086
4	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Chromium	IS:9879
5	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Copper	ASTM E-1086
6	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Copper	IS:9879
7	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Manganese	ASTM E-1086
8	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Manganese	IS:9879
9	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Molybdenum	ASTM E-1086
10	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Molybdenum	IS 9879
11	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Nickel	ASTM E-1086
12	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Nickel	IS:9879
13	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Phosphorous	ASTM E-1086
14	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Phosphorous	IS:9879
15	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Silicon	ASTM E-1086
16	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Silicon	IS:9879
17	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Sulfur	ASTM E-1086
18	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Sulfur	IS:9879

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19	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Carbon	ASTM E-415
20	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Chromium	ASTM E-415
21	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Chromium	IS 8811
22	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Copper	ASTM E-415
23	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Copper	IS 8811
24	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Manganese	ASTM E-415
25	CHEMICAL- METALS & ALLOYS	Carbon and Alloy steel	Manganese	IS 8811
26	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Molybdenum	ASTM E-415
27	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Molybdenum	IS 8811
28	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Nickel	ASTM E-415
29	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Nickel	IS 8811
30	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Phosphorous	ASTM E-415
31	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Phosphorous	IS 8811
32	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Silicon	ASTM E-415
33	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Sulfur	ASTM E-415
34	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Sulfur	IS 8811
35	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Boron	ASTM E-415
36	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Cobalt	IS 8811
37	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Niobium	ASTM E-415

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38	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Niobium	IS 8811
39	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Tin	ASTM E-415
40	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Tin	IS 8811
41	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Aluminum	ASTM E-415
42	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Aluminum	IS 8811
43	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Boron	IS 8811
44	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Carbon	IS 8811
45	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Cobalt	ASTM E-415
46	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Silicon	IS 8811
47	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Titanium	ASTM E-415
48	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Titanium	IS 8811
49	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Vanadium	ASTM E-415
50	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy steel	Vanadium	IS 8811
51	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdenum	ASTM E-1999
52	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdenum	IS:15338
53	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel	ASTM E-1999
54	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel	IS:15338
55	CHEMICAL- METALS & ALLOYS	Cast Iron	Titanium	ASTM E-1999
56	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	ASTM E-1999

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57	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	IS 15338
58	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium	ASTM E-1999
59	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium	IS 15338
60	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper	ASTM E-1999
61	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper	IS:15338
62	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	ASTM E-1999
63	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	IS 15338
64	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorous	ASTM E-1999
65	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorous	IS 15338
66	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	ASTM E-1999
67	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	IS 15338
68	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulfur	ASTM E-1999
69	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulfur	IS 15338
70	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Hardness Test Ferrous	Rockwell:B	ASTM E-18
71	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Hardness Test Ferrous	Rockwell:C	ASTM E-18
72	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Jominy End Quench Test	Rockwell:C	ASTM A-255-2014
73	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Jominy End Quench Test	Rockwell:C	IS:3848

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74	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials Ferrous & Non-Ferrous Metals and its alloys	Bend Test	ASTM A-370
75	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials Ferrous & Non-Ferrous Metals and its alloys	Bend Test	ASTM E190
76	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials Ferrous & Non-Ferrous Metals and its alloys	Bend Test	ASTM E290
77	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials Ferrous & Non-Ferrous Metals and its alloys	Tensile Test - % Reduction in Area	ASTM A-370
78	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials Ferrous & Non-Ferrous Metals and its alloys	Tensile Test - % Reduction in Area	IS 1608
79	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials Ferrous & Non-Ferrous Metals and its alloys	Tensile Test - %Elongation	ASTM A-370
80	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials Ferrous & Non-Ferrous Metals and its alloys	Tensile Test - %Elongation	IS 1608
81	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials Ferrous & Non-Ferrous Metals and its alloys	Tensile Test - 0.2 %Proof Stress	ASTM A-370
82	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials Ferrous & Non-Ferrous Metals and its alloys	Tensile Test - 0.2 %Proof Stress	IS 1608
83	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials Ferrous & Non-Ferrous Metals and its alloys	Tensile Test - 1 % Proof Stress	ASTM A370
84	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials Ferrous & Non-Ferrous Metals and its alloys	Tensile Test - 1 % Proof Stress	IS 1608
85	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials Ferrous & Non-Ferrous Metals and its alloys	Tensile Test - Ultimate Tensile strength	ASTM A370
86	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials Ferrous & Non-Ferrous Metals and its alloys	Tensile Test - Ultimate Tensile strength	IS 1608
87	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials Ferrous & Non-Ferrous Metals and its alloys	Tensile Test - Yield Strength %	ASTM A-370

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88	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials Ferrous & Non-Ferrous Metals and its alloys	Tensile Test - Yield Strength %	IS 1608
89	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material , Alloy & Products	Carbide Structure (Bearing Steel)	SEP 1520
90	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material , Alloy & Products	Case Depth	IS:6416
91	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material , Alloy & Products	Coating Thickness	ASTM B-487
92	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material , Alloy & Products	Decarburization Depth(Microscopic Method)	ASTM E-1077
93	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material , Alloy & Products	Decarburization Depth.(Microscopic Method)	IS:6396
94	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material , Alloy & Products	Detecting Inter Metallic Phase.	ASTM A923-22 ,Method A
95	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material , Alloy & Products	Determination Of Inclusion Rating	ASTM E-45
96	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material , Alloy & Products	Determination Of Inclusion Rating	IS:4163
97	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material , Alloy & Products	Grain Size	ASTM E-112
98	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material , Alloy & Products	Graphite Microstructure In Cast Iron	IS:7754
99	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material , Alloy & Products	Macro Etch Test For Flow Lines	ASTM E-381
100	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material , Alloy & Products	Microstructure Examination.	ASM Volume 9