National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : PERFECT MET LAB & CONSULTANCY, 6, PATELNAGAR , 80 FEET ROAD, RAJKOT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-4085 **Page No** 1 of 4

Validity 26/04/2023 to 25/04/2025 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Chromium	ASTM E1251
2	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Copper	ASTM E1251
3	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Iron	ASTM E1251
4	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Magnesium	ASTM E1251
5	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Manganese	ASTM E1251
6	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Silicon	ASTM E1251
7	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Zinc	ASTM E1251
8	CHEMICAL- METALS & ALLOYS	Carbon & Alloy Steel	Tin	ASTM E415
9	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Aluminum	ASTM E415
10	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Arsenic	ASTM E415
11	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Carbon	ASTM E415
12	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Chromium	ASTM E415
13	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Copper	ASTM E415
14	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Manganese	ASTM E415
15	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Molybdenum	ASTM E415
16	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Nickel	ASTM E415
17	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Phosphorus	ATSTM E415
18	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Silicon	ASTM E415

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19	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Sulphur	ASTM E415
20	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Titanium	ASTM E 415
21	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Vanadium	ASTM E 415
22	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Zinc	ASTM E 415
23	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	ASTM E1999
24	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	ASTM E1999
25	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdenum	ASTM E1999
26	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus	ASTM E1999
27	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	ASTM E1999
28	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur	ASTM E1999
29	CHEMICAL- METALS & ALLOYS	Copper & Its Alloy	Antimony	BS EN 15079
30	CHEMICAL- METALS & ALLOYS	Copper & its Alloys	Aluminium	BS EN 15079
31	CHEMICAL- METALS & ALLOYS	Copper & its Alloys	Iron	BS EN 15079
32	CHEMICAL- METALS & ALLOYS	Copper & its Alloys	Lead	BS EN 15079
33	CHEMICAL- METALS & ALLOYS	Copper & its Alloys	Nickel	BS EN 15079
34	CHEMICAL- METALS & ALLOYS	Copper & its Alloys	Tin	BS EN 15079
35	CHEMICAL- METALS & ALLOYS	Copper & its Alloys	Zinc	BS EN 15079
36	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM E1086
37	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E1086

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38	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E1086
39	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E1086
40	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E1086
41	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E1086
42	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	ASTM E1086
43	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E1086
44	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	ASTM E1086
45	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys	Bend Test	ASTM A370
46	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys (Machined Test Piece)	% Elongation	IS 1608-1
47	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys (Machined Test Piece)	% Reduction in Area	IS 1608-1
48	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys (Machined Test Piece)	Tensile Strength	IS 1608-1
49	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Hardenability Test	ASTM A255
50	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Hardenability Test	IS 3848
51	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Rockwell Hardness - HRC	IS 1586-1
52	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Rockwell Hardness Test - HRBW	IS 1586-1
53	MECHANICAL- METALLOGRAPHY TEST	Austenitic Stainless Steel	IGC - Practice-A	ASTM A262-15

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54	MECHANICAL-METALLOGRAPHY TEST	Bearing Products	Rating the Microstructure of High Carbon Bearing Steels	SEP-1520
55	MECHANICAL-METALLOGRAPHY TEST	Duplex Austenitic / Ferritic Steel	Detrimental Intermetalic Phase Method - A	ASTM A923
56	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non- Ferrous (copper and aluminum) Metals & Alloys	Microstructure	ASM Hand Book – Vol-9
57	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials, Alloys & Products	Depth of decarburization by Microscopic Method	IS 6396
58	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials, Alloys & Products	Designation of Microstructure of Graphite in Cast Iron by form, size & distribution by Comparison Method	IS 7754
59	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials, Alloys & Products	Estimation of Average Grain size by Comparison method	IS 4748
60	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials, Alloys & Products	Estimation of Average Grain size by Comparison method	ISO 643
61	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials, Alloys & Products	Estimation of Average Grain size by Comparison method & Planimetric Procedure	ASTM E 112
62	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials, Alloys & Products	Macro Etch Test	ASTM E381
63	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials, Alloys & Products	Macro Etch Test	IS 13015
64	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials, Alloys & Products	Macro Etch Testing	IS 11371
65	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials, Alloys & Products	Total Case Depth Measurement by Microscopic Method	IS 6416
66	MECHANICAL-METALLOGRAPHY TEST	Metals & Alloys	Macro Etch Test	ASTM E340
67	MECHANICAL-METALLOGRAPHY TEST	Steel Products	Non Metallic Inclusion Rating by Method-A	ASTM E45
68	MECHANICAL-METALLOGRAPHY TEST	Steel Products	Non Metallic Inclusion Rating by method-A	IS 4163
69	MECHANICAL-METALLOGRAPHY TEST	Steel Products	Non Metallic Inclusion Rating by Method--A	ISO 4967