National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TESTING LABORATORY, METAL FORGINGS PVT. LTD., B-1,MAYAPURI INDUSTRIAL AREA, NEW DELHI, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10200 **Page No** 1 of 4

Validity 04/01/2022 to 03/01/2024 **Last Amended on** 21/02/2022

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	Carbon & Low Alloy Steels	Aluminum	ASTM E 415
2	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steels	Carbon	ASTM E 415
3	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steels	Chromium	ASTM E 415
4	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steels	Copper	ASTM E 415
5	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steels	Manganese	ASTM E 415
6	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steels	Molybdenum	ASTM E 415
7	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steels	Nickel	ASTM E 415
8	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steels	Phosphorous	ASTM E 415
9	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steels	Silicon	ASTM E 415
10	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steels	Sulphur	ASTM E 415
11	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Niobium	ASTM E 415
12	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM E 1086
13	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E 1086
14	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E 1086
15	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E 1086
16	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E 1086
17	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E 1086
18	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorous	ASTM E 1086

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19	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E 1086
20	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	ASTM E 1086
21	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metal	Ultimate Tensile Strength	ASTM A 370
22	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metals	% Elongation	ASTM A 370
23	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metals	% Elongation	IS 1608-1
24	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metals	% Elongation	ISO 6892-1
25	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metals	% Reduction in Area	ASTM A 370
26	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metals	% Reduction in Area	IS 1608-1
27	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metals	% Reduction in Area	ISO 6892-1
28	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Brinell Hardness Test (10/3000)	ASTM E 10
29	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Brinell Hardness Test (10/3000)	IS 1500-1
30	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Brinell Hardness Test (10/3000)	ISO 6506-1
31	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Charpy Impact Test -V Notch [+ 80 deg C to (-) 196 deg C]	ASTM A 370
32	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Charpy Impact Test -V Notch [+ 80 deg C to (-) 196 deg C]	IS 1757-1

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33	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Charpy Impact Test -V Notch [+ 80 deg C to (-) 196 deg C]	ISO 148-1
34	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Rockwell Hardness Test (C Scale)	ISO 6508-1
35	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Rockwell Hardness Test (C Scale)	ASTM E 18
36	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Rockwell Hardness Test (C Scale)	IS 1586-1
37	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Ultimate Tensile Strength	IS 1608-1
38	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Ultimate Tensile Strength	ISO 6892-1
39	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Vickers Hardness Test	ASTM E 92
40	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Vickers Hardness Test	IS 1754
41	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Vickers Hardness Test	ISO 6507-1
42	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Yield Strength	ASTM A 370
43	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Yield Strength	IS 1608-1
44	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Yield Strength	ISO 6892-1
45	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals	Average Grain Size by comparison method	ASTM E 112
46	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals	Inclusion rating	ASTM E 45

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47	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals	Intergranular Corrosion Test (Practice A)	ASTM A 262
48	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals	Intergranular Corrosion Test (Practice E)	ASTM A 262
49	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals	Microstructure Analysis	ASM Handbook Vol 9