National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : METALLURGY TESTING LABORATORY, MARUTI SUZUKI INDIA LTD., PALAM GURGAON ROAD, GURUGRAM, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8475 **Page No** 1 of 4

Validity 04/05/2022 to 03/05/2024 **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	Cast Iron	Chromium	ASTM E 1999
2	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	ASTM E 1999
3	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper	ASTM E 1999
4	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	ASTM E 1999
5	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel	ASTM E 1999
6	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorous	ASTM E 1999
7	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	ASTM E 1999
8	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur	ASTM E 1999
9	CHEMICAL- METALS & ALLOYS	Cast Iron	Tin	ASTM E 1999
10	CHEMICAL- METALS & ALLOYS	Ferrous Materials	Boron	ASTM E 415
11	CHEMICAL- METALS & ALLOYS	Ferrous Materials	Carbon	ASTM E 1086
12	CHEMICAL- METALS & ALLOYS	Ferrous Materials	Carbon	ASTM E 415
13	CHEMICAL- METALS & ALLOYS	Ferrous Materials	Chromium	ASTM E 1086
14	CHEMICAL- METALS & ALLOYS	Ferrous Materials	Chromium	ASTM E 415
15	CHEMICAL- METALS & ALLOYS	Ferrous Materials	Manganese	ASTM E 1086
16	CHEMICAL- METALS & ALLOYS	Ferrous Materials	Manganese	ASTM E 415
17	CHEMICAL- METALS & ALLOYS	Ferrous Materials	Molybdenum	ASTM E 1086
18	CHEMICAL- METALS & ALLOYS	Ferrous Materials	Molybdenum	ASTM E 415

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19	CHEMICAL- METALS & ALLOYS	Ferrous Materials	Nickel	ASTM E 1086
20	CHEMICAL- METALS & ALLOYS	Ferrous Materials	Nickel	ASTM E 415
21	CHEMICAL- METALS & ALLOYS	Ferrous Materials	Niobium	ASTM E 415
22	CHEMICAL- METALS & ALLOYS	Ferrous Materials	Phosphorous	ASTM E 1086
23	CHEMICAL- METALS & ALLOYS	Ferrous Materials	Phosphorous	ASTM E 415
24	CHEMICAL- METALS & ALLOYS	Ferrous Materials	Silicon	ASTM E 415
25	CHEMICAL- METALS & ALLOYS	Ferrous Materials	Silicon	ASTM E1086
26	CHEMICAL- METALS & ALLOYS	Ferrous Materials	Sulphur	ASTM E 1086
27	CHEMICAL- METALS & ALLOYS	Ferrous Materials	Sulphur	ASTM E 415
28	CHEMICAL- METALS & ALLOYS	Ferrous Materials	Titanium	ASTM E 415
29	CHEMICAL- METALS & ALLOYS	Non-Ferrous Materials	Copper	ASTM E 1251
30	CHEMICAL- METALS & ALLOYS	Non-Ferrous Materials	Iron	ASTM E 1251
31	CHEMICAL- METALS & ALLOYS	Non-Ferrous Materials	Magnesium	ASTM E 1251
32	CHEMICAL- METALS & ALLOYS	Non-Ferrous Materials	Manganese	ASTM E 1251
33	CHEMICAL- METALS & ALLOYS	Non-Ferrous Materials	Nickel	ASTM E 1251
34	CHEMICAL- METALS & ALLOYS	Non-Ferrous Materials	Silicon	ASTM E 1251
35	CHEMICAL- METALS & ALLOYS	Non-Ferrous Materials	Tin	ASTM E 1251
36	CHEMICAL- METALS & ALLOYS	Non-Ferrous Materials	Zinc	ASTM E 1251

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37	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Brinell Hardness (HBW)	IS1500 (Part 1)
38	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Effective Case Depth	IS 6416
39	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Elongation	IS 1608 (Part 1)
40	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Macro Vickers Hardness	IS 1501 (Part 1)
41	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Micro Vickers Hardness (HV0.1, HV0.3, HV0.5, HV1)	IS 1501 (Part 1)
42	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness	IS 1586 (Part 1)
43	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness	IS 1586 (Part 1)
44	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness	IS 1586 (Part 1)
45	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Yield Strength / 0.2 % Proof Strength	IS 1608 (Part 1)
46	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Products	Tensile Strength	IS 1608 (Part 1)
47	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Brinell Hardness (HBW)	IS 1500 (Part 1)
48	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials	Coating Thickness using Microscope	ISO 1463
49	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials	Decarb Depth of Steel	IS 6396
50	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials	Determination of Average Grain size	ASTM E 112
51	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials	Effective Case Depth by Microscopic Method	IS 6416

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52	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials	Macrostructure Analysis	ASTM E340
53	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials	Microstructure Analysis	ASM Handbook Vol. 9
54	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials	Nodulaity, Microstructure & Graphite Size	IS 7754