National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MATERIAL TESTING LABORATORY, KIRLOSKAR BROTHERS LIMITED, KIRLOSKARVADI, SANGLI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9717 **Page No** 1 of 4

Validity 02/08/2021 to 01/08/2023 **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	Carbon Steel & Low Alloy Steel	Nickel	ASTM E415
2	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Carbon	ASTM E415
3	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Carbon	IS 8811
4	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Chromium	ASTM E415
5	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Chromium	IS 8811
6	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Copper	ASTM E415
7	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Copper	IS 8811
8	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Manganese	ASTM E415
9	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Manganese	IS 8811
10	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Molybdenum	ASTM E415
11	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Molybdenum	IS 8811
12	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Nickel	IS 8811
13	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Phosphorous	ASTM E415
14	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Phosphorous	IS 1188
15	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Silicon	ASTM E415
16	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Silicon	IS 8811
17	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Sulfur	ASTM E415
18	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Sulfur	IS 8811

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19	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	IS 15338
20	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	IS 15338
21	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorous	IS 15338
22	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	IS 15338
23	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulfur	IS 15338
24	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	Carbon	ASTM E3047
25	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	Chromium	ASTM E3047
26	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	Manganese	ASTM E3047
27	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	Molybdenum	ASTM E3047
28	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	Phosphorous	ASTM E3047
29	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	Silicon	ASTM E3047
30	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	Sulfur	ASTM E3047
31	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM E1086
32	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E1086
33	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E1086
34	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E1086
35	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E1086
36	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E1086
37	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorous	ASTM E1086

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38	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E1086
39	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulfur	ASTM E1086
40	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials & Alloys	Hardness by Brinnel in HBW	ASTM E10
41	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials & Alloys	Hardness by Brinnel in HBW	IS1500 (Part 1)
42	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metals & Alloys (Ferrous and Non-Ferrous)	Tensile Test - Ultimate Tensile Strength	ASTM E8/8M
43	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metals & Alloys (Ferrous and Non-Ferrous)	Tensile Test - Elongation in %	ASTM E8/8M
44	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metals & Alloys (Ferrous and Non-Ferrous)	Hardness by Rockwell in HRBW	ASTM E18
45	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metals & Alloys (Ferrous and Non-Ferrous)	Hardness by Rockwell in HRBW	IS1586 (Part 1)
46	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metals & Alloys (Ferrous and Non-Ferrous)	Hardness by Rockwell in HRC	ASTM E18
47	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metals & Alloys (Ferrous and Non-Ferrous)	Hardness by Rockwell in HRC	IS1586 (Part 1)
48	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metals & Alloys (Ferrous and Non-Ferrous)	Tensile Test - Elongation in %	IS1608 (Part 1)
49	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metals & Alloys (Ferrous and Non-Ferrous)	Tensile Test - Reduction in area in %	ASTM E8/8M
50	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metals & Alloys (Ferrous and Non-Ferrous)	Tensile Test - Ultimate Tensile Strength	IS1608 (Part 1)
51	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metals & Alloys (Ferrous and Non-Ferrous)	Tensile Test - Yield Stress (0.2% Proof Stress)	IS1608 (Part 1)

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52	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys (Ferrous and Non-Ferrous)	Tensile Test - Yield Stress (0.2% Proof Stress)	ASTM E8/8M

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