National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MECHANICAL LABORATORY QUALITY CONTROL SECTION, ENGINE FACTORY AVADI, CHENNAI, THIRUVALLUR, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11018 **Page No** 1 of 2

Validity 27/09/2022 to 26/09/2024 **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	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium metals & alloys	% of Elongation	IS-1608
2	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium metals & alloys	% of Reduction in C/s area	IS-1608
3	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium metals & Alloys	Ultimate Tensile Strength	IS-1608
4	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum & Copper Metals & Alloys	Micro Vickers Hardness Test HV0.3	IS1501
5	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum & Copper Metals & Alloys	Micro Vickers Hardness Test HV0.5	IS1501
6	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous, metals & alloys	% of Elongation	IS-1608
7	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous, metals & alloys	% of Reduction in C/S area	IS-1608
8	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous, metals & alloys	Brinell Hardness Test, HBW 10/3000	IS-1500
9	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous, metals & alloys	Brinell Hardness Test, HBW 2.5/187.5	IS-1500
10	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous, metals & alloys	Brinell Hardness Test, HBW 5/750	IS-1500
11	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous, metals & alloys	Load vs Deflection Test, Compression Springs	IS-7906
12	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous, metals & alloys	Load vs Deflection Test, Extension Springs	IS-7907
13	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous, metals & alloys	Micro Vickers Hardness Test, HV0.3	IS-1501

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14	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous, metals & alloys	Micro Vickers Hardness Test, HV0.5	IS-1501
15	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous, metals & alloys	Rockwell Hardness Test, HR15N	IS-1586
16	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous, metals & alloys	Rockwell Hardness Test, HR15T	IS-1586
17	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous, metals & alloys	Rockwell Hardness Test, HRA	IS-1586
18	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous, metals & alloys	Rockwell Hardness Test, HRB	IS-1586
19	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous, metals & alloys	Rockwell Hardness Test, HRC	IS-1586
20	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous, metals & alloys	Ultimate Tensile Strength	IS-1608
21	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals & alloys	Rockwell Hardness Test, HRB	IS-1586
22	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous, metals & alloys	Rockwell Hardness Test, HR15T	IS-1586
23	MECHANICAL-METALLOGRAPHY TEST	Aluminium metals & Alloys	Macro Structure Analysis	IS-12573
24	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Al. Alloys	Case Depth measurement	IS-6416
25	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Al. Alloys	General Micro Structure Analysis	Metals Handbook VOL-9
26	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals & Alloys	Macro Structure Analysis	IS-11371