National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : FASTENER TESTING LABORATORY, SUNDRAM FASTENERS LIMITED, PADI, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5523 **Page No** 1 of 2

Validity 24/04/2022 to 23/04/2024 **Last Amended on** 17/06/2022

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- CORROSION TESTS	Coated Fasteners (Bolt, Screws & Nuts)	Salt spray test	ASTM B117
2	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bars, Rods and Wires	Tensile Test - % Elongation	ISO 898-1
3	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bars, Rods and Wires	Tensile Test - % Elongation after fracture	ISO 6892-1
4	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bars, Rods and Wires	Tensile Test - % Reduction Area	ISO 898-1
5	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bars, Rods and Wires	Tensile Test - % Reduction of area	ISO 6892-1
6	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bars, Rods and Wires	Tensile Test - 0.2% Proof strength	ISO 6892-1
7	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bars, Rods and Wires	Tensile Test - Tensile strength	ISO 6892-1
8	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bars, Rods and Wires	Tensile Test - Ultimate tensile strength	ISO 898-1
9	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bars, Rods and Wires	Tensile Test - Yield Strength/0.2% Proof Stress	ISO 898-1
10	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bolts, Nuts & Allied products	Coating weight measurement	ASTM B767-88
11	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bolts, Nuts & Allied products	Micro Vickers hardness test	ASTM E384
12	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bolts, Nuts and Allied products	Brinell hardness test	ISO 6506-1
13	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bolts, Nuts and Allied products	Brinell hardness test	ISO 6506-1

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14	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bolts, Nuts and allied products	Coating thickness measurement (Magnetic Method)	ASTM B499-09
15	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bolts, Nuts and Allied products	Micro Vickers hardness test	ASTM E384
16	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bolts, Nuts and Allied products	Rockwell hardness test	ASTM E18
17	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Threaded Fasteners (Nuts)	Proof Load Test	ISO 898-2
18	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Threaded Fasteners - Bolts, Screw and Stud	Proof Load Test	ISO 898-1
19	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Threaded steel fasteners	Axial Tensile Test	ISO 898-1
20	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Threaded Steel fasteners	Wedge Tensile Test	ISO 898-1
21	MECHANICAL-METALLOGRAPHY TEST	Steel fasteners	Microscopic test for surface discontinuities	ASTM F788
22	MECHANICAL-METALLOGRAPHY TEST	Steel products including fasteners	Case depth measurement by micro vickers hardness method	SAE J423
23	MECHANICAL-METALLOGRAPHY TEST	Steel products including fasteners	Depth of decaburization measurement by microscopic method	ASTM F2328
24	MECHANICAL-METALLOGRAPHY TEST	Steel products including fasteners	Depth of decarburization measurement by micro hardness method	ISO 898-1
25	MECHANICAL-METALLOGRAPHY TEST	Steel wires, bars and threaded fasteners	Average grain size measurement by comparison method	ASTM E112
26	MECHANICAL-METALLOGRAPHY TEST	Steel wires, bars and threaded fasteners	Microstructure examination	ASM Vol. 9