National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MOHINDRA FASTENERS LTD.-METALLURGICAL LABORATORY, 60TH K.M STONE, DELHI - ROHTAK ROAD,KHARAWAR, ROHTAK, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8862 **Page No** 1 of 5

Validity 22/04/2022 to 21/04/2024 **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- CORROSION TESTS	Coated Products	Neutral Salt Spray Test	ASTM B117
2	CHEMICAL- METALS & ALLOYS	Alloy Steel	Boron	ASTM E415
3	CHEMICAL- METALS & ALLOYS	Alloy Steel	Carbon	ASTM E415
4	CHEMICAL- METALS & ALLOYS	Alloy Steel	Chromium	ASTM E415
5	CHEMICAL- METALS & ALLOYS	Alloy steel	Copper	ASTM E415
6	CHEMICAL- METALS & ALLOYS	Alloy steel	Manganese	ASTM E415
7	CHEMICAL- METALS & ALLOYS	Alloy steel	Molybdenum	ASTM E415
8	CHEMICAL- METALS & ALLOYS	Alloy steel	Nickel	ASTM E415
9	CHEMICAL- METALS & ALLOYS	Alloy steel	Phosphorus	ASTM E415
10	CHEMICAL- METALS & ALLOYS	Alloy steel	Silicon	ASTM E415
11	CHEMICAL- METALS & ALLOYS	Alloy steel	Sulphur	ASTM E415
12	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM E1086
13	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E1086
14	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM 1086
15	CHEMICAL- METALS & ALLOYS	Stainless steel	Manganese	ASTM E1086
16	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E1086
17	CHEMICAL- METALS & ALLOYS	Stainless steel	Nickel	ASTM E1086
18	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	ASTM E1086

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Certificate Number TC-8862 **Page No** 2 of 5

Validity 22/04/2022 to 21/04/2024 **Last Amended on** -

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19	CHEMICAL- METALS & ALLOYS	Stainless steel	Silicon	ASTM E1086
20	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	ASTM E1086
21	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bolt,Screw and Stud - Full Size	Wedge Tensile Strength	ISO 898 Part-1
22	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bolt,Screw and Stud Full Size	Breaking Torque (Nm) - Range (0.5 to 700 Nm)	ISO 3506 Part-1
23	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bolt,Screw and Stud Full Size	Breaking Torque (Nm) - Range (0.5 to 700 Nm)	ISO 898 Part-7
24	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bolt,Screw and Stud Full Size	Proof Load	ASTM F606/606M
25	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bolt,Screw and Stud Full Size	Proof Load	ISO 898 Part-1
26	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bolt,Screw and Stud Full Size	Tensile Strength	ASTM F606/606M
27	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bolt,Screw and Stud Full Size	Tensile Strength	ISO 3506 Part-1
28	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bolt,Screw and Stud Full Size	Tensile Strength	ISO 898 Part-1
29	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bolt,Screw and Stud Full Size	Wedge Tensile Strength	ASTM F606/606M
30	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	% Elongation	IS 1608
31	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials	% Elongation	ISO 6892 Part-1
32	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials	Hardness Test	IS 1586 Part-1

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Certificate Number TC-8862 **Page No** 3 of 5

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33	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials	Hardness Test	IS 1586 Part-1
34	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials	Hardness Test	ISO 6508 Part-1
35	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials	Hardness Test	ISO 6508 Part-1
36	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials	Microvicker Hardness Test	IS 1501 Part-1
37	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials	Microvicker Hardness Test	ISO 6507 Part-1
38	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials	Reduction Area (%)	ISO 6892 Part-1
39	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials	Reduction Area(%)	IS 1608
40	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials	Tensile Strength	IS 1608
41	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials	Tensile Strength	ISO 6892 Part-1
42	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials	Yield Strength	IS 1608
43	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials	Yield Strength	ISO 6892 Part-1
44	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Raw Material-Plain carbon), Low & medium alloy steel), Bolt,Screw ,Stud & Nut	Microvickers Hardness Test	ASTM E384
45	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Raw Material-Plain carbon), Low & medium alloy steel), Bolt,Screw ,Stud & Nut	Rockwell Hardness on B scale	ASTM E18
46	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Raw Material-Plain carbon), Low & medium alloy steel), Bolt,Screw ,Stud & Nut	Rockwell Hardness on B scale	ASTM F606/606M

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8862 **Page No** 4 of 5

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47	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Raw Material-Plain carbon), Low & medium alloy steel), Bolt,Screw ,Stud & Nut	Rockwell Hardness on C scale	ASTM E18
48	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Raw Material-Plain carbon), Low & medium alloy steel), Bolt,Screw ,Stud & Nut	Rockwell Hardness on C scale	ASTM F606/606M
49	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Raw Material-Plain carbon, Low & medium alloy steel), Bolt,Screw & Stud	Microvickers Hardness Test	ISO 898 Part-1
50	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Raw Material-Plain carbon, Low & medium alloy steel), Bolt,Screw & Stud	Rockwell Hardness on B scale	ISO 898 Part-1
51	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Raw Material-Plain carbon, Low & medium alloy steel), Bolt,Screw & Stud	Rockwell Hardness on C scale	ISO 898 Part-1
52	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Raw Material-Plain carbon, Low & medium alloy steel), Bolt,Screw & Stud-Machined Test Piece.	% Elongation	ASTM F606/606M
53	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Raw Material-Plain carbon, Low & medium alloy steel), Bolt,Screw & Stud-Machined Test Piece.	% Elongation	ISO 898 Par-1
54	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Raw Material-Plain carbon, Low & medium alloy steel), Bolt,Screw & Stud-Machined Test Piece.	% Reducation Area	ASTM F606/606M
55	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Raw Material-Plain carbon, Low & medium alloy steel), Bolt,Screw & Stud-Machined Test Piece.	% Reducation Area	ISO 898 Part-1
56	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Raw Material-Plain carbon, Low & medium alloy steel), Bolt,Screw & Stud-Machined Test Piece.	Tensile Test	ASTM F606/606M
57	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Raw Material-Plain carbon, Low & medium alloy steel), Bolt,Screw & Stud-Machined Test Piece.	Tensile Test	ISO 898 Part-1
58	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Raw Material-Plain carbon, Low & medium alloy steel), Bolt,Screw & Stud-Machined Test Piece.	Yield Strength	ASTM F606/606M
59	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Raw Material-Plain carbon, Low & medium alloy steel), Bolt,Screw & Stud-Machined Test Piece.	Yield Strength	ISO 898 Part-1
60	MECHANICAL-METALLOGRAPHY TEST	Bolt, Screw and Stud -Full Size	Thread Laps	ISO 6157 Part-3

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Certificate Number TC-8862 **Page No** 5 of 5

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61	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials	Decarburization / Carburization at Magnification 100X (MM)	ASM Vol-9
62	MECHANICAL-METALLOGRAPHY TEST	Hardened Bolt, Screw, Stud and Nut	Characterization of Decarburization & Carburization	ASTM F2328
63	MECHANICAL-METALLOGRAPHY TEST	Hardened Bolt, Screw, Stud and Nut	Characterization of Decarburization & Carburization	ASTM F2328M
64	MECHANICAL-METALLOGRAPHY TEST	Hardened Bolt, Screw, Stud and Nut	Characterization of Decarburization & Carburization	ASTM F835
65	MECHANICAL-METALLOGRAPHY TEST	Hardened Bolt,Screw,Stud	Characterization of Decarburization & Carburization	ISO 898 Part-1
66	MECHANICAL-METALLOGRAPHY TEST	Metal & Alloys	Grain Size	ASTM E 112
67	MECHANICAL-METALLOGRAPHY TEST	Metal & Alloys	Measuring Case Depth (MM) - (Load-HV0.3)	SAE J423
68	MECHANICAL-METALLOGRAPHY TEST	Metal & Alloys	Micro structure Analysis	ASM Handbook Volume 9