National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SKS FASTENERS LTD.- METALLURGY LAB, #1990, AMBETHAN ROAD,TALUKA RAJGURUNAGAR, CHAKAN, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6235 **Page No** 1 of 6

Validity 08/12/2022 to 07/12/2024 **Last Amended on** 23/12/2022

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
LOCATION 1-#1990, AMBETHAN ROAD,TALUKA RAJGURUNAGAR, CHAKAN, PUNE, MAHARASHTRA, INDIA Permanent Facility				
1	CHEMICAL- CORROSION TESTS	Ferrous Material Product (Full size Bolts/Screws/Studs/Except Nut) With Plating And Coating	Salt Spray Test	ASTM B117
2	CHEMICAL- METALS & ALLOYS	Low/Medium Carbon Alloy Steel	Aluminium	ASTM E 415
3	CHEMICAL- METALS & ALLOYS	Low/Medium Carbon Alloy Steel	Aluminium	IS 8811
4	CHEMICAL- METALS & ALLOYS	Low/Medium Carbon Alloy Steel	Boron	ASTM E 415
5	CHEMICAL- METALS & ALLOYS	Low/Medium Carbon Alloy Steel	Boron	IS 8811
6	CHEMICAL- METALS & ALLOYS	Low/Medium Carbon Alloy Steel	Carbon	ASTM E415
7	CHEMICAL- METALS & ALLOYS	Low/Medium Carbon Alloy Steel	Carbon	IS 8811
8	CHEMICAL- METALS & ALLOYS	Low/Medium Carbon Alloy Steel	Chromium	ASTM E 415
9	CHEMICAL- METALS & ALLOYS	Low/Medium Carbon Alloy Steel	Chromium	IS 8811
10	CHEMICAL- METALS & ALLOYS	Low/Medium Carbon Alloy Steel	Manganese	ASTM E 415
11	CHEMICAL- METALS & ALLOYS	Low/Medium Carbon Alloy Steel	Manganese	IS 8811
12	CHEMICAL- METALS & ALLOYS	Low/Medium Carbon Alloy Steel	Molybdenum	ASTM E 415
13	CHEMICAL- METALS & ALLOYS	Low/Medium Carbon Alloy Steel	Molybdenum	IS 8811
14	CHEMICAL- METALS & ALLOYS	Low/Medium Carbon Alloy Steel	Nickel	ASTM E 415
15	CHEMICAL- METALS & ALLOYS	Low/Medium Carbon Alloy Steel	Nickel	IS 8811
16	CHEMICAL- METALS & ALLOYS	Low/Medium Carbon Alloy Steel	Phosphorus	ASTM E 415
17	CHEMICAL- METALS & ALLOYS	Low/Medium Carbon Alloy Steel	Phosphorus	IS 8811
18	CHEMICAL- METALS & ALLOYS	Low/Medium Carbon Alloy Steel	Silicon	ASTM E415

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19	CHEMICAL- METALS & ALLOYS	Low/Medium Carbon Alloy Steel	Silicon	IS 8811
20	CHEMICAL- METALS & ALLOYS	Low/Medium Carbon Alloy Steel	Sulfur	ASTM E 415
21	CHEMICAL- METALS & ALLOYS	Low/Medium Carbon Alloy Steel	Sulfur	IS 8811
22	CHEMICAL- METALS & ALLOYS	Low/Medium Carbon Alloy Steel	Titanium	ASTM E 415
23	CHEMICAL- METALS & ALLOYS	Low/Medium Carbon Alloy Steel	Titanium	IS 8811
24	CHEMICAL- METALS & ALLOYS	Low/Medium Carbon Alloy Steel	Vanadium	ASTM E 415
25	CHEMICAL- METALS & ALLOYS	Low/Medium Carbon Alloy Steel	Vanadium	IS 8811
26	CHEMICAL- METALS & ALLOYS	Stainless steel	Carbon	ASTM E 1086
27	CHEMICAL- METALS & ALLOYS	Stainless steel	Carbon	IS 9879
28	CHEMICAL- METALS & ALLOYS	Stainless steel	Chromium	ASTM E 1086
29	CHEMICAL- METALS & ALLOYS	Stainless steel	Chromium	IS 9879
30	CHEMICAL- METALS & ALLOYS	Stainless steel	Copper	ASTM E 1086
31	CHEMICAL- METALS & ALLOYS	Stainless steel	Copper	IS 9879
32	CHEMICAL- METALS & ALLOYS	Stainless steel	Manganese	ASTM E 1086
33	CHEMICAL- METALS & ALLOYS	Stainless steel	Manganese	IS 9879
34	CHEMICAL- METALS & ALLOYS	Stainless steel	Molybdenum	ASTM E 1086
35	CHEMICAL- METALS & ALLOYS	Stainless steel	Molybdenum	IS 9879
36	CHEMICAL- METALS & ALLOYS	Stainless steel	Nickel	ASTM E 1086
37	CHEMICAL- METALS & ALLOYS	Stainless steel	Nickel	IS 9879

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38	CHEMICAL- METALS & ALLOYS	Stainless steel	Phosphorus	ASTM E 1086
39	CHEMICAL- METALS & ALLOYS	Stainless steel	Phosphorus	IS 9879
40	CHEMICAL- METALS & ALLOYS	Stainless steel	Silicon	ASTM E 1086
41	CHEMICAL- METALS & ALLOYS	Stainless steel	Silicon	IS 9879
42	CHEMICAL- METALS & ALLOYS	Stainless steel	Sulfur	ASTM E 1086
43	CHEMICAL- METALS & ALLOYS	Stainless steel	Sulfur	IS 9879
44	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Material Product (Full Size Bolts/Screws/Studs/Except Nut)	% Elongation	IS 1608 (Part 1)
45	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Material Product (Full Size Bolts/Screws/Studs/Except Nut)	% Reduction in Area	IS 1608 (Part 1)
46	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Material Product (Full Size Bolts/Screws/Studs/Except Nut)	Angle	ISO 16047
47	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Material Product (Full Size Bolts/Screws/Studs/Except Nut)	Clamping Force	ISO 16047
48	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Material Product (Full Size Bolts/Screws/Studs/Except Nut)	Coefficient of Friction	ISO 16047
49	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Material Product (Full Size Bolts/Screws/Studs/Except Nut)	Rockwell Hardness Scale B	IS 1586 (Part 1)
50	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Material Product (Full Size Bolts/Screws/Studs/Except Nut)	Rockwell Hardness Scale C	IS 1586 (Part-1)
51	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Material Product (Full Size Bolts/Screws/Studs/Except Nut)	Tensile Strength	IS 1608 (Part 1)
52	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Material Product (Full Size Bolts/Screws/Studs/Except Nut)	Torque	ISO 16047

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53	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material Product (Full Size Bolts/Screws/Studs/Except Nut)	Yield Strength/Proof Strength	IS 1608 (Part 1)
54	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Full size Bolts/Screws/Stud/ except Nut	Rockwell Hardness Scale B	ASTM E18
55	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Full size Bolts/Screws/Stud/ except Nut	Rockwell Hardness scale C	ASTM E18
56	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Threaded Fasteners (Full Size Bolts/Screws/Studs/Except Nut)	Stress Under Proof Load	ISO 898 -1
57	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Threaded Fasteners (Full Size Bolts/Screws/Studs/Except Nut)	Wedge Tensile Test	ISO 898 - 1
58	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material Product (Full Size Bolts/Screws/Studs/Except Nut)	Decarburization and Carburization measurement on fasteners.	ASTM F2328
59	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material/Products (Full Size Bolts/Screws/Studs)	Average Estimation of Grain Size By Comparison Method	IS 4748
60	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material/Products (Full Size Bolts/Screws/Studs)	Average Estimation of Grain Size By Compression Method	ASTM E 112
61	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material/Products (Full Size Bolts/Screws/Studs)	Case Depth Measurement By Hardness Method	IS 6416
62	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material/Products (Full Size Bolts/Screws/Studs)	Coating Thickness Measurement (Magnetic Method)	IS 3203 (Clause 3 & 4)
63	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material/Products (Full Size Bolts/Screws/Studs)	Decarburization By Hardness Method	ISO 898 (Part 1)
64	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material/Products (Full Size Bolts/Screws/Studs)	Decarburization By Microscopic Method	ASTM E 1077
65	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material/Products (Full Size Bolts/Screws/Studs)	Decarburization By Microscopic Method	IS 6396
66	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material/Products (Full Size Bolts/Screws/Studs)	Micro Vickers Hardness	ASTM E 384
67	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material/Products (Full Size Bolts/Screws/Studs)	Micro Vickers Hardness	IS 1501 (Part 1)
68	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material/Products (Full Size Bolts/Screws/Studs)	Micro Vickers Hardness	IS 1501 (Part 1)

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69	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material/Products (Full Size Bolts/Screws/Studs)	Microstructure	ASM Hand Book Volume 9; Edition 9th
70	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material/Products (Full Size Bolts/Screws/Studs)	Non Metallic Inclusion Rating By Method A	ASTM E 45
71	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material/Products (Full Size Bolts/Screws/Studs)	Non Metallic Inclusion Rating By Method A	IS 4163
72	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Coated / Plated Parts	Coating Thickness Measurement by X Ray Spectrometry	ASTM B568
73	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Coated / Plated Parts	Coating Thickness Measurement by X Ray Spectrometry	ISO 3497
74	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Threaded Fasteners	Hydrogen Deembrittlement Verification Test	ISO 15330
75	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Threaded Fasteners	Hydrogen Deembrittlement Verification Test	USCAR 7

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LOCATION 2 - PLOT NO. PAP K-23, 23/1, 23/2 CHAKAN MIDC PHASE-2, VILLAGE KHALUMBARE, TAL RAJGURUNAGAR, CHAKAN, PUNE, MAHARASHTRA, INDIA Permanent Facility				
1	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Threaded Fasteners	Dimension Test : Geometric Dimension	MET/WI/59 :24.08.2021
2	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Threaded Fasteners	Dimension test Angle	MET/WI/57 : 24.08.2021
3	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Threaded Fasteners	Dimension Test: Linear Dimension	MET/WI/56 : 24.08.2021
4	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Threaded Fasteners	Dimension Test: Pitch Diameter	MET/WI/58 : 24.08.2021
5	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Threaded Fasteners	Dimension test: Radius	MET/WI/57 :24.08.2021
6	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Threaded Fasteners	Thread Qualification by Thread Ring Gauge	MET/WI/60 : 24.08.2021
7	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Threaded Fasteners: Surface Discontinuity	Surface Discontinuity	ASTMF788
8	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Threaded Fasteners: surface discontinuity	Surface Discontinuity	DIN EN 26157 Part 3
9	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Threaded Fasteners: Surface Discontinuity	Surface Discontinuity	IS 1367 part 9 Sec 2
10	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Threaded Fasteners: Surface Discontinuity	Surface Discontinuity	ISO 6157 PART 3
11	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Threaded Fasteners: Surface Discontinuity	Surface Discontinuity	ISO 6157-1