National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : UNBRAKO TESTING LABORATORY (DEEPAK FASTENERS LIMITED), VILLAGE KHOKHRI, BHOPAL-INDORE HIGHWAY, SEHORE, MADHYA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10280 **Page No** 1 of 4

Validity 31/01/2022 to 30/01/2024 **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	Plated, Coated, Galvanized Products/ Fasteners	Corrosion Resistance Test	ASTM B117
2	CHEMICAL- METALS & ALLOYS	Low Alloy Steel (Fasteners/ Raw Material)	Aluminium	ASTM E415
3	CHEMICAL- METALS & ALLOYS	Low Alloy Steel (Fasteners/ Raw Material)	Boron	ASTM E415
4	CHEMICAL- METALS & ALLOYS	Low Alloy Steel (Fasteners/ Raw Material)	Carbon	ASTM E415
5	CHEMICAL- METALS & ALLOYS	Low Alloy Steel (Fasteners/ Raw Material)	Chromium	ASTM E415
6	CHEMICAL- METALS & ALLOYS	Low Alloy Steel (Fasteners/ Raw Material)	Copper	ASTM E415
7	CHEMICAL- METALS & ALLOYS	Low Alloy Steel (Fasteners/ Raw Material)	Manganese	ASTM E415
8	CHEMICAL- METALS & ALLOYS	Low Alloy Steel (Fasteners/ Raw Material)	Molybdenum	ASTM E415
9	CHEMICAL- METALS & ALLOYS	Low Alloy Steel (Fasteners/ Raw Material)	Nickel	ASTM E415
10	CHEMICAL- METALS & ALLOYS	Low Alloy Steel (Fasteners/ Raw Material)	Phosphorus	ASTM E415
11	CHEMICAL- METALS & ALLOYS	Low Alloy Steel (Fasteners/ Raw Material)	Silicon	ASTM E415
12	CHEMICAL- METALS & ALLOYS	Low Alloy Steel (Fasteners/ Raw Material)	Sulphur	ASTM E415
13	CHEMICAL- METALS & ALLOYS	Low Alloy Steel (Fasteners/ Raw Material)	Vanadium	ASTM E415
14	CHEMICAL- METALS & ALLOYS	Stainless Steel (Fasteners/ Raw Material)	Carbon	IS 9879
15	CHEMICAL- METALS & ALLOYS	Stainless Steel (Fasteners/ Raw Material)	Chromium	IS 9879
16	CHEMICAL- METALS & ALLOYS	Stainless Steel (Fasteners/ Raw Material)	Copper	IS 9879
17	CHEMICAL- METALS & ALLOYS	Stainless Steel (Fasteners/ Raw Material)	Manganese	IS 9879
18	CHEMICAL- METALS & ALLOYS	Stainless Steel (Fasteners/ Raw Material)	Molybdenum	IS 9879

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19	CHEMICAL- METALS & ALLOYS	Stainless Steel (Fasteners/ Raw Material)	Nickel	IS 9879
20	CHEMICAL- METALS & ALLOYS	Stainless Steel (Fasteners/ Raw Material)	Phosphorus	IS 9879
21	CHEMICAL- METALS & ALLOYS	Stainless Steel (Fasteners/ Raw Material)	Silicon	IS 9879
22	CHEMICAL- METALS & ALLOYS	Stainless Steel (Fasteners/ Raw Material)	Sulphur	IS 9879
23	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Fasteners	Clamp Force	ISO 16047
24	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Fasteners	Proof Load (Bolt & Screw)	IS 1367-3
25	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Fasteners	Proof Load (Bolt & Screw)	ISO 898-1
26	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Fasteners	Proof Load (Nut)	IS 1367-6
27	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Fasteners	Proof Load (Nut)	ISO 898-2
28	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Fasteners	Shear Stress	IS 12427
29	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Fasteners	Tightening Torque	ISO 16047
30	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Fasteners	Torque Coefficient, k	ISO 16047
31	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Fasteners & its Raw Material	0.2 % Proof Stress	IS 1608 (Part 1)
32	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Fasteners & its Raw Material	0.2 % Proof Stress	ISO 6892-1
33	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Fasteners & its Raw Material	Charpy V-Notch Impact Strength	ISO 148-1

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34	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners & its Raw Material	Elongation %	IS 1608 (Part 1)
35	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners & its Raw Material	Elongation %	ISO 6892-1
36	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners & its Raw Material	Micro Hardness Test (HV0.3)	IS 1501-1
37	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners & its Raw Material	Micro Hardness Test (HV0.3)	ISO 6507-1
38	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners & its Raw Material	Micro Hardness Test (HV0.5)	IS 1501-1
39	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners & its Raw Material	Micro Hardness Test (HV0.5)	ISO 6507-1
40	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners & its Raw Material	Reduction Area	IS 1608 (Part 1)
41	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners & its Raw Material	Reduction Area	ISO 6892-1
42	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners & its Raw Material	Rockwell Hardness Test (B-Scale)	IS 1586-1
43	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners & its Raw Material	Rockwell Hardness Test (B-Scale)	ISO 6508 -1
44	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners & its Raw Material	Rockwell Hardness Test (C-Scale)	IS 1586-1
45	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners & its Raw Material	Rockwell Hardness Test (C-Scale)	ISO 6508-1
46	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners & its Raw Material	Tensile Strength (Wedge Load Test)	IS 1367-3
47	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners & its Raw Material	Tensile Strength (Wedge Load Test)	ISO 898-1

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48	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners & its Raw Material	Ultimate Tensile Strength (UTS)	IS 1608 (Part 1)
49	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners & its Raw Material	Ultimate Tensile Strength (UTS)	ISO 6892-1
50	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners & its Raw Material	Vickers Hardness Test (HV10)	IS 1501-1
51	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners & its Raw Material	Vickers Hardness Test (HV10)	ISO 6507-1
52	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners & its Raw Material	Vickers Hardness Test (HV30)	IS 1501-1
53	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners & its Raw Material	Vickers Hardness Test (HV30)	ISO 6507-1
54	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners & its Raw Material	Vickers Hardness Test (HV5)	IS 1501-1
55	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners & its Raw Material	Vickers Hardness Test (HV5)	ISO 6507-1
56	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners & its Raw Material	Yield Strength (YS)	IS 1608 (Part 1)
57	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners & its Raw Material	Yield Strength (YS)	ISO 6892-1
58	MECHANICAL-METALLOGRAPHY TEST	Fasteners & its Raw Material	Depth of Decarburized Layer by Microscopic Method	IS 6396