National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : UNBRAKO TESTING & CALIBRATION LABORATORY, DEEPAK FASTENERS LIMITED, VILLAGE JASPALON, G.T. ROAD, DORAHA, LUDHIANA, PUNJAB, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7391 **Page No** 1 of 4

Validity 09/06/2023 to 08/06/2025 **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- METALS & ALLOYS	Austenitic Stainless Steel	Carbon	ASTM E1086
2	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Chromium	ASTM E1086
3	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Copper	ASTM E1086
4	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Manganese	ASTM E1086
5	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Molybdenum	ASTM E1086
6	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Nickel	ASTM E1086
7	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Phosphorous	ASTM E1086
8	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Silicon	ASTM E1086
9	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Sulphur	ASTM E1086
10	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Aluminium	ASTM E415
11	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Boron	ASTM E415
12	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Carbon	ASTM E415
13	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Chromium	ASTM E415
14	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Copper	ASTM E415
15	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Manganese	ASTM E415
16	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Molybdenum	ASTM E415
17	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Nickel	ASTM E415
18	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Phosphorus	ASTM E415

SCOPE OF ACCREDITATION

Laboratory Name : UNBRAKO TESTING & CALIBRATION LABORATORY, DEEPAK FASTENERS LIMITED, VILLAGE JASPALON, G.T. ROAD, DORAHA, LUDHIANA, PUNJAB, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7391 **Page No** 2 of 4

Validity 09/06/2023 to 08/06/2025 **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
19	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Silicon	ASTM E415
20	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Sulphur	ASTM E415
21	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Vanadium	ASTM E415
22	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Direct Tension Indicator Washers	Compression Load	EN 14399-9
23	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners made of carbon steel and alloy steel	Proof Load Nut	IS 1367-6
24	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners made of carbon steel and alloy steel	Proof Load Nut	ISO 898-2
25	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners made of carbon steel and alloy steel	Proof Load Test - Bolt & Screw	IS 1367-3
26	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners made of carbon steel and alloy steel	Proof Load Test - Bolt & Screw	ISO 898-1
27	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners made of carbon steel and alloy steel	Tensile Strength (Wedge Load Test)	IS 1367-3
28	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners made of carbon steel and alloy steel	Tensile Strength (Wedge Load Test)	ISO 898-1
29	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.2% proof Stress	IS 1608-1
30	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.2% Proof Stress	ISO 6892-1
31	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Charpy V-Notch Impact Strength (Ambient to (-)20 °C)	ISO 148-1
32	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elongation (El)	IS 1608-1

SCOPE OF ACCREDITATION

Laboratory Name : UNBRAKO TESTING & CALIBRATION LABORATORY, DEEPAK FASTENERS LIMITED, VILLAGE JASPALON, G.T. ROAD, DORAHA, LUDHIANA, PUNJAB, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7391 **Page No** 3 of 4

Validity 09/06/2023 to 08/06/2025 **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
33	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elongation (El)	ISO 6892-1
34	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Micro Hardness Test HV0.1	IS 1501-1
35	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Micro Hardness Test HV0.1	ISO 6507-1
36	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Micro Hardness Test HV0.2	IS 1501-1
37	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Micro Hardness Test HV0.2	ISO 6507-1
38	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Micro Hardness Test HV0.3	IS 1501-1
39	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Micro Hardness Test HV0.3	ISO 6507-1
40	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Micro Hardness Test HV0.5	IS 1501-1
41	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Micro Hardness Test HV0.5	ISO 6507-1
42	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Micro Hardness Test HV1	IS 1501-1
43	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Micro Hardness Test HV1	ISO 6507-1
44	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Reduction Area (RA)	IS 1608-1
45	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Reduction Area (RA)	ISO 6892-1
46	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness Test B-Scale	IS 1586-1

SCOPE OF ACCREDITATION

Laboratory Name : UNBRAKO TESTING & CALIBRATION LABORATORY, DEEPAK FASTENERS LIMITED, VILLAGE JASPALON, G.T. ROAD, DORAHA, LUDHIANA, PUNJAB, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7391 **Page No** 4 of 4

Validity 09/06/2023 to 08/06/2025 **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
47	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness Test B-Scale	ISO 6508-1
48	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness Test C-Scale	ISO 6508-1
49	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness Tests C-Scale	IS 1586-1
50	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Ultimate Tensile Strength (UTS)	IS 1608-1
51	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Ultimate Tensile Strength (UTS)	ISO 6892-1
52	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Strength	IS 1608-1
53	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Strength	ISO 6892-1
54	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-magnetic coatings on magnetic substrates	Coating Thickness	ISO 2178
55	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Depth of decarburization by microscopic method at 100X	IS 6396
56	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Threaded Steel Fasteners	Shear Stress	IS 12427