National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : WHEELS INDIA LIMITED - R & D LABORATORY, MTH ROAD , TVS INDUSTRIES PADI, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 18/05/2023 to 17/05/2025 **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	Aluminium alloy	Chromium	ASTM E1251
2	CHEMICAL- METALS & ALLOYS	Aluminium alloy	Copper	ASTM E1251
3	CHEMICAL- METALS & ALLOYS	Aluminium alloy	Iron	ASTM E1251
4	CHEMICAL- METALS & ALLOYS	Aluminium alloy	Magnesium	ASTM E1251
5	CHEMICAL- METALS & ALLOYS	Aluminium alloy	Manganese	ASTM E1251
6	CHEMICAL- METALS & ALLOYS	Aluminium alloy	Silicon	ASTM E1251
7	CHEMICAL- METALS & ALLOYS	Aluminium alloy	Titanium	ASTM E1251
8	CHEMICAL- METALS & ALLOYS	Aluminium alloy	Zinc	ASTM E1251
9	CHEMICAL- METALS & ALLOYS	Carbon steel Alloy steel	Carbon	ASTM E415
10	CHEMICAL- METALS & ALLOYS	Carbon steel Alloy steel	Carbon	IS 8811
11	CHEMICAL- METALS & ALLOYS	Carbon steel Alloy steel	Chromium	ASTM E415
12	CHEMICAL- METALS & ALLOYS	Carbon steel Alloy steel	Chromium	IS 8811
13	CHEMICAL- METALS & ALLOYS	Carbon steel Alloy steel	Manganese	ASTM E415
14	CHEMICAL- METALS & ALLOYS	Carbon steel Alloy steel	Manganese	IS 8811
15	CHEMICAL- METALS & ALLOYS	Carbon steel Alloy steel	Niobium	ASTM E415
16	CHEMICAL- METALS & ALLOYS	Carbon Steel Alloy steel	Niobium	IS 8811
17	CHEMICAL- METALS & ALLOYS	Carbon steel Alloy steel	Phosphorous	ASTM E415
18	CHEMICAL- METALS & ALLOYS	Carbon steel Alloy steel	Phosphorous	IS 8811

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19	CHEMICAL- METALS & ALLOYS	Carbon steel Alloy steel	Silicon	ASTM E415
20	CHEMICAL- METALS & ALLOYS	Carbon steel Alloy steel	Silicon	IS 8811
21	CHEMICAL- METALS & ALLOYS	Carbon steel Alloy steel	Sulphur	ASTM E415
22	CHEMICAL- METALS & ALLOYS	Carbon steel Alloy steel	Sulphur	IS 8811
23	CHEMICAL- METALS & ALLOYS	Carbon steel Alloy steel	Vanadium	ASTM E415
24	CHEMICAL- METALS & ALLOYS	Carbon steel Alloy steel	Vanadium	IS 8811
25	CHEMICAL- METALS & ALLOYS	Stainless steel	Carbon	ASTM E1086
26	CHEMICAL- METALS & ALLOYS	Stainless steel	Carbon	IS 9879
27	CHEMICAL- METALS & ALLOYS	Stainless steel	Chromium	ASTM E1086
28	CHEMICAL- METALS & ALLOYS	Stainless steel	Chromium	IS 9879
29	CHEMICAL- METALS & ALLOYS	Stainless steel	Manganese	ASTM E1086
30	CHEMICAL- METALS & ALLOYS	Stainless steel	Manganese	IS 9879
31	CHEMICAL- METALS & ALLOYS	Stainless steel	Molybdenum	ASTM E1086
32	CHEMICAL- METALS & ALLOYS	Stainless steel	Molybdenum	IS 9879
33	CHEMICAL- METALS & ALLOYS	Stainless steel	Nickel	ASTM E1086
34	CHEMICAL- METALS & ALLOYS	Stainless steel	Nickel	IS 9879
35	CHEMICAL- METALS & ALLOYS	Stainless steel	Phosphorous	ASTM E1086
36	CHEMICAL- METALS & ALLOYS	Stainless steel	Phosphorous	IS 9879
37	CHEMICAL- METALS & ALLOYS	Stainless steel	Silicon	ASTM E1086

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38	CHEMICAL- METALS & ALLOYS	Stainless steel	Silicon	IS 9879
39	CHEMICAL- METALS & ALLOYS	Stainless steel	Sulphur	ASTM E1086
40	CHEMICAL- METALS & ALLOYS	Stainless steel	Sulphur	IS 9879
41	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium alloys - Bars , Plates & Forged components	Tensile Test - Tensile Strength	ASTM E8/E8M
42	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium alloys - Bars , Plates & Forged components	Tensile Test - % of elongation	ASTM E8/E8M
43	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium alloys - Bars , Plates & Forged components	Tensile Test - % of elongation	IS 1608 (Part 1)
44	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium alloys - Bars , Plates & Forged components	Tensile Test - % Reduction area	IS 1608 (Part 1)
45	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium alloys - Bars , Plates & Forged components	Tensile Test - % Reduction in area	ASTM E8/E8M
46	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium alloys - Bars , Plates & Forged components	Tensile Test - Tensile Strength	IS 1608 (Part 1)
47	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium alloys - Bars , Plates & Forged components	Tensile Test - Yield strength	ASTM E8/E8M
48	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium alloys - Bars , Plates & Forged components	Tensile Test - Yield strength	IS 1608 (Part 1)
49	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Carbon & Alloy Steel products - Sections, Bars, plates & sheets	Bend Test	IS 1599
50	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Carbon & Alloy Steel products - Sections, Bars, plates & sheets	Hardness Test - Rockwell HRC	ASTM E18
51	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Carbon & Alloy Steel products - Sections, Bars, plates & sheets	Impact Test - Charpy V- notch ,RT to -40 deg cel	IS 1757 (part 1)

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52	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon & alloy steel products - sections, bars, sheets & plates	Hardess Test - Brinell	IS 1500 (part 1)
53	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon & alloy steel products - sections, bars, sheets & plates	Hardness Test - Brinell	ASTM E10
54	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon & alloy steel products - sections, bars, sheets & plates	Hardness Test - Brinell	ASTM E10
55	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon & alloy steel products - sections, bars, sheets & plates	Hardness Test - Brinell	IS 1500 (part 1)
56	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon & alloy steel products - sections, bars, sheets & plates	Hardness Test - Micro vickers	ASTM E384
57	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon & alloy steel products - sections, bars, sheets & plates	Hardness Test - Micro vickers	IS 1501 (part 1)
58	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon & alloy steel products - sections, bars, sheets & plates	Hardness Test - Rockwell HRB	ASTM E18
59	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon & alloy steel products - sections, bars, sheets & plates	Hardness Test - Rockwell HRB	IS 1586 (part 1)
60	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon & alloy steel products - sections, bars, sheets & plates	Hardness Test - Rockwell HRC	IS 1586 (Part 1)
61	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon & alloy steel products - sections, bars, sheets & plates	Tensile test - Tensile strength	IS 1608 (part 1)
62	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon & alloy steel products - sections, bars, sheets & plates	Tensile test - % Elongation	ASTM E8/E8M
63	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon & alloy steel products - sections, bars, sheets & plates	Tensile test - % Elongation	IS 1608 (part 1)
64	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon & alloy steel products - sections, bars, sheets & plates	Tensile test - % Reduction in Area	ASTM E8/E8M
65	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon & alloy steel products - sections, bars, sheets & plates	Tensile test - % Reduction in area	IS 1608 (part 1)

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66	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon & alloy steel products - sections, bars, sheets & plates	Tensile test - Tensile Strength	ASTM E8/E8M
67	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon & alloy steel products - sections, bars, sheets & plates	Tensile test - Yield strength	ASTM E8/E8M
68	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon & alloy steel products - sections, bars, sheets & plates	Tensile Test - Yield strength	IS 1608 (part 1)
69	MECHANICAL-METALLOGRAPHY TEST	Carbon & Alloy steel products - Sections, Bars , Plates and Sheets	Inclusion Rating - steel	IS 4163
70	MECHANICAL-METALLOGRAPHY TEST	Carbon & Alloy steel products - Sections, Bars , Plates and Sheets	Microstructure -Steel	ASM Handbook vol 9
71	MECHANICAL-METALLOGRAPHY TEST	Carbon & Alloy steel products - Sections, Bars , Plates and Sheets	Grain Size - Steel	ASTM E112
72	MECHANICAL-METALLOGRAPHY TEST	Carbon & Alloy steel products - Sections, Bars , Plates and Sheets	Inclusion Rating - Steels	ASTM E45
73	MECHANICAL-METALLOGRAPHY TEST	Carbon & Alloy steel products - Sections, Bars , Plates and Sheets	Macro analysis - steel	ASTM E381
74	MECHANICAL-METALLOGRAPHY TEST	Carbon & Alloy steel Products - Sections, bars, Plates & Sheets	Grain Size - Steel	IS 4748
75	MECHANICAL-METALLOGRAPHY TEST	Carbon and Alloy steel products - Sections , Bars , Sheets & Plates	Macro analysis - steel	IS 11371