National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : KIRLOSKAR PNEUMATIC CO. LTD. - METALLURGICAL LAB, HADAPSAR INDUSTRIAL ESTATE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 11/01/2022 to 10/01/2024 **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- METALS & ALLOYS	Aluminum Base Alloy	Chromium	ASTM E1251
2	CHEMICAL- METALS & ALLOYS	Aluminum Base Alloy	Copper	ASTM E1251
3	CHEMICAL- METALS & ALLOYS	Aluminum Base Alloy	Iron	ASTM E1251
4	CHEMICAL- METALS & ALLOYS	Aluminum Base Alloy	Lead	ASTM E1251
5	CHEMICAL- METALS & ALLOYS	Aluminum Base Alloy	Magnesium	ASTM E1251
6	CHEMICAL- METALS & ALLOYS	Aluminum Base Alloy	Manganese	ASTM E1251
7	CHEMICAL- METALS & ALLOYS	Aluminum Base Alloy	Nickel	ASTM E1251
8	CHEMICAL- METALS & ALLOYS	Aluminum Base Alloy	Silicon	ASTM E1251
9	CHEMICAL- METALS & ALLOYS	Aluminum Base Alloy	Tin	ASTM E1251
10	CHEMICAL- METALS & ALLOYS	Aluminum Base Alloy	Titanium	ASTM E1251
11	CHEMICAL- METALS & ALLOYS	Aluminum Base Alloy	Zinc	ASTM E1251
12	CHEMICAL- METALS & ALLOYS	Chilled Cast Iron	Carbon	ASTM E1999
13	CHEMICAL- METALS & ALLOYS	Chilled Cast Iron	Carbon	IS 15338
14	CHEMICAL- METALS & ALLOYS	Chilled Cast Iron	Chromium	ASTM E1999
15	CHEMICAL- METALS & ALLOYS	Chilled Cast Iron	Chromium	IS 15338
16	CHEMICAL- METALS & ALLOYS	Chilled Cast Iron	Copper	ASTM E1999
17	CHEMICAL- METALS & ALLOYS	Chilled Cast Iron	Manganese	ASTM E1999
18	CHEMICAL- METALS & ALLOYS	Chilled Cast Iron	Manganese	IS 15338

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19	CHEMICAL- METALS & ALLOYS	Chilled Cast Iron	Molybdenum	ASTM E1999
20	CHEMICAL- METALS & ALLOYS	Chilled Cast Iron	Molybdenum	IS 15338
21	CHEMICAL- METALS & ALLOYS	Chilled Cast Iron	Nickel	ASTM E1999
22	CHEMICAL- METALS & ALLOYS	Chilled Cast Iron	Nickel	IS 15338
23	CHEMICAL- METALS & ALLOYS	Chilled Cast Iron	Phosphorus	ASTM E1999
24	CHEMICAL- METALS & ALLOYS	Chilled Cast Iron	Phosphorus	IS 15338
25	CHEMICAL- METALS & ALLOYS	Chilled Cast Iron	Silicon	ASTM E1999
26	CHEMICAL- METALS & ALLOYS	Chilled Cast Iron	Silicon	IS 15338
27	CHEMICAL- METALS & ALLOYS	Chilled Cast Iron	Sulphur	ASTM E1999
28	CHEMICAL- METALS & ALLOYS	Chilled Cast Iron	Sulphur	IS 15338
29	CHEMICAL- METALS & ALLOYS	Chilled Cast Iron	Tin	ASTM E1999
30	CHEMICAL- METALS & ALLOYS	Chilled Cast Iron	Titanium	ASTM E1999
31	CHEMICAL- METALS & ALLOYS	Chilled Cast Iron	Vanadium	ASTM E1999
32	CHEMICAL- METALS & ALLOYS	Chilled Cast Iron	Vanadium	IS 15338
33	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Aluminum	ASTM E415
34	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Aluminum	IS 8811
35	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Boron	ASTM E415
36	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Boron	IS 8811
37	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Carbon	ASTM E415

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38	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Carbon	IS 8811
39	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Chromium	ASTM E415
40	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Chromium	IS 8811
41	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Cobalt	ASTM E415
42	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Cobalt	IS 8811
43	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Copper	ASTM E415
44	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Copper	IS 8811
45	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Manganese	ASTM E415
46	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Manganese	IS 8811
47	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Molybdenm	IS 8811
48	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Molybdenum	ASTM E415
49	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Nickel	ASTM E415
50	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Nickel	IS 8811
51	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Phosphorus	ASTM E415
52	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Phosphorus	IS 8811
53	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Silicon	ASTM E415
54	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Silicon	IS 8811
55	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Sulphur	ASTM E415
56	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Sulphur	IS 8811

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57	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Titanium	ASTM E415
58	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Titanium	IS 8811
59	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Vanadium	ASTM E415
60	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Vanadium	IS 8811
61	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM E1086
62	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS 9879
63	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E1086
64	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 9879
65	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E1086
66	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	IS 9879
67	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E1086
68	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganse	IS 9879
69	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E1086
70	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	IS 9879
71	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E1086
72	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 9879
73	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	ASTM E1086
74	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	IS 9879
75	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E1086

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76	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	IS 9879
77	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	ASTM E1086
78	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	IS 9879
79	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	0.5 % Proof Strength	IS 1608 Pt1
80	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Rockwell Hardness HR15N	IS1586 Pt-1
81	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Rockwell Hardness HR15TW	IS1586 Pt-1
82	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Rockwell Hardness HRC	IS1586 (Part-1)
83	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness HV0.3	IS 1501 (Part1)
84	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Elongation	IS 1608 Pt-1
85	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Reduction Area	IS 1608 Pt-1
86	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.2 % Proof Strength	IS 1608 Pt-1
87	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness HBW 10/3000 Kg	IS1500 (Part-1)
88	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness HBW 2.5/187.5 Kg	IS1500 (Part-1)
89	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness HBW 2.5/62.5 Kg	IS1500 (Part-1)

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90	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness HBW 5/750 Kg	IS1500 (Part-1)
91	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Low Load Vickers Hardness HV0.1	IS1501 (Part-1)
92	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Low Load Vickers Hardness HV0.5	IS1501 (Part-1)
93	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Low Load Vickers Hardness HV1.0	IS1501 (Part-1)
94	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness HRA	IS1586 (Part-1)
95	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness HRBW	IS1586 Pt-1
96	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Strength	IS 1608 Pt-1
97	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness HV20	IS1501 Pt1
98	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness HV30	IS1501 Pt-1
99	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness HV5	IS1501 Pt 1
100	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Strength	IS 1608 (Part-1)
101	MECHANICAL-METALLOGRAPHY TEST	Cast Iron / Grey Iron / Ductile Iron / S G Iron	Micro-structure Analysis	IS 7754
102	MECHANICAL-METALLOGRAPHY TEST	Cast Iron / Grey Iron / Ductile Iron / S G Iron	Micro-structure Analysis	ASM Metal Handbook Vol 9
103	MECHANICAL-METALLOGRAPHY TEST	Cast Iron / Grey Iron / Ductile Iron / S G Iron	Micro-structure Analysis	ASTM A247
104	MECHANICAL-METALLOGRAPHY TEST	Cast Iron / Grey Iron / Ductile Iron / S G Iron	Micro-structure Analysis	ISO945 (Part-1)

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105	MECHANICAL-METALLOGRAPHY TEST	Steel	Effective Case Depth by Traverse Method	IS 6416
106	MECHANICAL-METALLOGRAPHY TEST	Steel	Effective Case Depth by traverse method	ISO 18203
107	MECHANICAL-METALLOGRAPHY TEST	Steel	Micro-structure Analysis	ASM Metal Handbook Vol. 9