



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

QC LAB, PHOENIX INDUSTRIES LIMITED, PLOT NO. 16, SURVEY NO. 328/1/1/2, MASAT INDUSTRIAL AREA, MASAT, SILVASSA, DADRA AND NAGAR HAVELI, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-16351

Page No

1 of 10

Validity

01/07/2025 to 30/06/2029

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 Testing				
1	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Bismuth	ASTM E1251
2	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Calcium	ASTM E1251
3	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Chromium	ASTM E1251
4	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Copper	ASTM E1251
5	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Iron	ASTM E1251
6	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Lead	ASTM E1251
7	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Magnesium	ASTM E1251
8	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Manganese	ASTM E1251
9	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Nickel	ASTM E1251
10	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Phosphorus	ASTM E1251
11	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Silicon	ASTM E1251
12	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Strontium	ASTM E1251
13	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Tin	ASTM E1251
14	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Titanium	ASTM E1251
15	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Vanadium	ASTM E1251
16	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Zinc	ASTM E1251



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Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-16351

Page No

2 of 10

Validity

01/07/2025 to 30/06/2029

Last Amended on

-

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17	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Aluminium	ASTM E415
18	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Carbon	ASTM E415
19	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Chromium	ASTM E415
20	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Cobalt	ASTM E415
21	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Copper	ASTM E415
22	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Manganese	ASTM E415
23	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Molybdenum	ASTM E415
24	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nickel	ASTM E415
25	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Niobium	ASTM E415
26	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Phosphorus	ASTM E415
27	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Silicon	ASTM E415
28	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Sulfur	ASTM E415
29	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Vanadium	ASTM E415
30	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM E1086
31	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E1086
32	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E1086



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Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-16351

Page No

3 of 10

Validity

01/07/2025 to 30/06/2029

Last Amended on

-

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33	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E1086
34	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E1086
35	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E1086
36	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	ASTM E1086
37	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E1086
38	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulfur	ASTM E1086
39	CHEMICAL- METALS & ALLOYS	Zinc Alloys	Aluminium	ISO 3815-1
40	CHEMICAL- METALS & ALLOYS	Zinc Alloys	Cadmium	ISO 3815-1
41	CHEMICAL- METALS & ALLOYS	Zinc Alloys	Copper	ISO 3815-1
42	CHEMICAL- METALS & ALLOYS	Zinc Alloys	Iron	ISO 3815-1
43	CHEMICAL- METALS & ALLOYS	Zinc Alloys	Lead	ISO 3815-1
44	CHEMICAL- METALS & ALLOYS	Zinc Alloys	Magnesium	ISO 3815-1
45	CHEMICAL- METALS & ALLOYS	Zinc Alloys	Tin	ISO 3815-1
46	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials	% Elongation	ASTM E8/E8M
47	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials	% Elongation	IS 1608 (Part 1)



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Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-16351

Page No

4 of 10

Validity

01/07/2025 to 30/06/2029

Last Amended on

-

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48	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	% Elongation	ISO 6892-1
49	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	% Reduction in Area	ASTM E8/E8M
50	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	% Reduction in Area	IS 1608 (Part 1)
51	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	0.2% Proof Stress	ASTM E8/E8M
52	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	0.2% Proof Stress	IS 1608 (Part 1)
53	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	0.2% Proof Stress	ISO 6892-1
54	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	1% Proof Stress	ASTM E8/E8M
55	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	1% Proof Stress	IS 1608 (Part 1)
56	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	1% Proof Stress	ISO 6892-1



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Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-16351

Page No

5 of 10

Validity

01/07/2025 to 30/06/2029

Last Amended on

-

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57	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Brinell Hardness Test (2.5mm/187.5Kgf)	ASTM E10
58	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Brinell Hardness Test (2.5mm/187.5Kgf)	IS 1500 (Part 1)
59	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness Test (B Scale)	ASTM E18
60	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness Test (B Scale)	IS 1586 (Part 1)
61	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness Test (C Scale)	ASTM E18
62	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness Test (C Scale)	IS 1586 (Part 1)
63	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Ultimate Tensile Strength	ASTM E8/E8M
64	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Ultimate Tensile Strength	IS 1608 (Part 1)
65	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Ultimate Tensile Strength	ISO 6892-1



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Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-16351

Page No

6 of 10

Validity

01/07/2025 to 30/06/2029

Last Amended on

-

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66	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Vickers Hardness Test (HV10)	ASTM E 92
67	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Vickers Hardness Test (HV10)	IS 1501 (Part 1)
68	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Vickers Hardness Test (HV5)	ASTM E92
69	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Vickers Hardness Test (HV5)	IS 1501 (Part 1)
70	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Yield Strength	ASTM E8/E8M
71	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Yield Strength	IS 1608 (Part 1)
72	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Yield Strength	ISO 6892-1
73	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-ferrous Materials	% Elongation	ASTM E8/E8M
74	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-ferrous Materials	% Elongation	IS 1608 (Part 1)



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Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-16351

Page No

7 of 10

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Last Amended on

-

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75	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-ferrous Materials	% Elongation	ISO 6892-1
76	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-ferrous Materials	% Reduction in Area	ASTM E8/E8M
77	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-ferrous Materials	% Reduction in Area	IS 1608 (Part 1)
78	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-ferrous Materials	% Reduction in Area	ISO 6892-1
79	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-ferrous Materials	0.2% Proof Stress	ASTM E8/E8M
80	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-ferrous Materials	0.2% Proof Stress	IS 1608 (Part 1)
81	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-ferrous Materials	0.2% Proof Stress	ISO 6892-1
82	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-ferrous Materials	1% Proof Stress	ASTM E8/E8M
83	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-ferrous Materials	1% Proof Stress	IS 1608 (Part 1)



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ISO/IEC 17025:2017

Certificate Number

TC-16351

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8 of 10

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84	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-ferrous Materials	1% Proof Stress	ISO 6892-1
85	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-ferrous Materials	Brinell Hardness Test (2.5mm/187.5Kgf)	ASTM E10
86	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-ferrous Materials	Brinell Hardness Test (2.5mm/187.5Kgf)	IS 1500 (Part 1)
87	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-ferrous Materials	Rockwell Hardness Test (B Scale)	ASTM E18
88	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-ferrous Materials	Rockwell Hardness Test (B Scale)	IS 1586 (Part 1)
89	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-ferrous Materials	Rockwell Hardness Test (C Scale)	ASTM E18
90	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-ferrous Materials	Rockwell Hardness Test (C Scale)	IS 1586 (Part 1)
91	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-ferrous Materials	Ultimate Tensile Strength	ASTM E8/E8M
92	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-ferrous Materials	Ultimate Tensile Strength	IS 1608 (Part 1)



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Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-16351

Page No

9 of 10

Validity

01/07/2025 to 30/06/2029

Last Amended on

-

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93	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-ferrous Materials	Ultimate Tensile Strength	ISO 6892-1
94	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-ferrous Materials	Vickers Hardness Test (HV10)	ASTM E92
95	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-ferrous Materials	Vickers Hardness Test (HV10)	IS 1501 (Part 1)
96	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-ferrous Materials	Vickers Hardness Test (HV5)	ASTM E92
97	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-ferrous Materials	Vickers Hardness Test (HV5)	IS 1501 (Part 1)
98	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-ferrous Materials	Yield Strength	ASTM E8/E8M
99	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-ferrous Materials	Yield Strength	IS 1608 (Part 1)
100	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-ferrous Materials	Yield Strength	ISO 6892-1
101	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	% Elongation	ASTM A370



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Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-16351

Page No

10 of 10

Validity

01/07/2025 to 30/06/2029

Last Amended on

-

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102	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	% Reduction in Area	ASTM A370
103	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	0.2% Proof Stress	ASTM A370
104	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	1% Proof Stress	ASTM A370
105	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	Ultimate Tensile Strength	ASTM A370
106	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	Yield Strength	ASTM A370