National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : PTC INDUSTRIES LIMITED (TESTING LABORATORY), NH-25A, SARAI SAHJADI, LUCKNOW, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9119 **Page No** 1 of 5

Validity 08/12/2022 to 07/12/2024 **Last Amended on** 31/03/2023

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	Maraging Steel	Aluminium	JISG 1253
2	CHEMICAL- METALS & ALLOYS	Maraging Steel	Boron	JIS G 1253
3	CHEMICAL- METALS & ALLOYS	Maraging Steel	Carbon	JIS G 1253
4	CHEMICAL- METALS & ALLOYS	Maraging Steel	Chromium	JISG 1253
5	CHEMICAL- METALS & ALLOYS	Maraging Steel	Cobalt	JISG 1253
6	CHEMICAL- METALS & ALLOYS	Maraging Steel	Copper	JIS G 1253
7	CHEMICAL- METALS & ALLOYS	Maraging Steel	Hydrogen	PTC-SOP-P2 Issue 01 date 15th Sep 2022
8	CHEMICAL- METALS & ALLOYS	Maraging Steel	Manganese	JIS G 1253
9	CHEMICAL- METALS & ALLOYS	Maraging Steel	Molybdenum	JISG 1253
10	CHEMICAL- METALS & ALLOYS	Maraging Steel	Nickel	JIG G 1253
11	CHEMICAL- METALS & ALLOYS	Maraging Steel	Nitrogen	ASTM E 1019
12	CHEMICAL- METALS & ALLOYS	Maraging Steel	Oxygen	ASTM E 1019
13	CHEMICAL- METALS & ALLOYS	Maraging Steel	Phosphorous	JIS G 1253
14	CHEMICAL- METALS & ALLOYS	Maraging Steel	Silicon	JIS G 1253
15	CHEMICAL- METALS & ALLOYS	Maraging Steel	Sulfur	JIS G 1253
16	CHEMICAL- METALS & ALLOYS	Maraging Steel	Tin	JIS G 1253
17	CHEMICAL- METALS & ALLOYS	Maraging Steel	Titanium	JISG 1253
18	CHEMICAL- METALS & ALLOYS	Maraging Steel	Vanadium	JIS G 1253

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19	CHEMICAL- METALS & ALLOYS	Marging Steel	Arsenic	JIS G 1253
20	CHEMICAL- METALS & ALLOYS	Stainless Steel and Duplex Stainless Steel	Carbon	JIS G 1253
21	CHEMICAL- METALS & ALLOYS	Stainless Steel and Duplex Stainless Steel	Chromium	JIS G 1253
22	CHEMICAL- METALS & ALLOYS	Stainless Steel and Duplex Stainless Steel	Copper	JISG 1253
23	CHEMICAL- METALS & ALLOYS	Stainless Steel and Duplex Stainless Steel	Manganese	JISG 1253
24	CHEMICAL- METALS & ALLOYS	Stainless Steel and Duplex Stainless Steel	Molybdenum	JISG 1253
25	CHEMICAL- METALS & ALLOYS	Stainless Steel and Duplex Stainless Steel	Nickel	JISG 1253
26	CHEMICAL- METALS & ALLOYS	Stainless Steel and Duplex Stainless Steel	Niobium	JISG 1253
27	CHEMICAL- METALS & ALLOYS	Stainless Steel and Duplex Stainless Steel	Nitrogen	IS 228 Part 23
28	CHEMICAL- METALS & ALLOYS	Stainless Steel and Duplex Stainless Steel	Phosphorous	JIS G 1253
29	CHEMICAL- METALS & ALLOYS	Stainless Steel and Duplex Stainless Steel	Silicon	JIS G 1253
30	CHEMICAL- METALS & ALLOYS	Stainless Steel and Duplex Stainless Steel	Sulfur	JIS G 1253
31	CHEMICAL- METALS & ALLOYS	Stainless Steel and Duplex Stainless Steel	Titanium	JISG 1253
32	CHEMICAL- METALS & ALLOYS	Stainless Steel and Duplex Stainless Steel	Tungsten	JISG 1253
33	CHEMICAL- METALS & ALLOYS	Stainless Steel and Duplex Stainless Steel	Vanadium	JISG 1253
34	CHEMICAL- METALS & ALLOYS	Stainless Steel and Duplex Stainless Steel & PH steel	Aluminum	JIS G 1253
35	CHEMICAL- METALS & ALLOYS	Stainless Steel and Duplex Stainless Steel & PH steel	Boron	JIS G 1253
36	CHEMICAL- METALS & ALLOYS	Stainless Steel and Duplex Stainless Steel & PH steel	Zirconium	JIS G 1253
37	CHEMICAL- METALS & ALLOYS	Titanium And Titanium Alloy	Aluminum	ASTM E 2994

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38	CHEMICAL- METALS & ALLOYS	Titanium and Titanium Alloy	Carbon	PTC-SOP-P1
39	CHEMICAL- METALS & ALLOYS	Titanium And Titanium Alloy	Chromium	ASTM E 2994
40	CHEMICAL- METALS & ALLOYS	Titanium And Titanium Alloy	Hydrogen	ASTM E 1447
41	CHEMICAL- METALS & ALLOYS	Titanium And Titanium Alloy	Iron	ASTM E 2994
42	CHEMICAL- METALS & ALLOYS	Titanium And Titanium Alloy	Manganese	ASTM E 2994
43	CHEMICAL- METALS & ALLOYS	Titanium And Titanium Alloy	Molybdenum	ASTM E 2994
44	CHEMICAL- METALS & ALLOYS	Titanium And Titanium Alloy	Nickel	ASTM E 2994
45	CHEMICAL- METALS & ALLOYS	Titanium And Titanium Alloy	Nitrogen	ASTM E 1409
46	CHEMICAL- METALS & ALLOYS	Titanium And Titanium Alloy	Oxygen	ASTM E 1409
47	CHEMICAL- METALS & ALLOYS	Titanium And Titanium Alloy	Silicon	ASTM E2994
48	CHEMICAL- METALS & ALLOYS	Titanium And Titanium Alloy	Tin	ASTM E 2994
49	CHEMICAL- METALS & ALLOYS	Titanium And Titanium Alloy	Vanadium	ASTM E 2994
50	CHEMICAL- METALS & ALLOYS	Titanium and Titanium Alloy	Yttrium	PTC-SOP-P1
51	CHEMICAL- METALS & ALLOYS	Titanium And Titanium Alloy	Zirconium	ASTM E 2994
52	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	1.0 % Proof Stress	EN ISO 6892-1
53	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Reduction of Area %	ASTM A370
54	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	0.2 % Proof Stress	ASTM A 370

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55	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non ferrous	0.2 % Proof Stress	IS 1608-1
56	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	0.2% Proof Stress	ASTM E 8/8M
57	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & non Ferrous	0.2% Proof Stress	EN ISO 6892-1
58	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non ferrous	1.0% Proof Stress	ASTM A 370
59	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Brinell Hardness (Ball dia 2.5 mm/ 187.5 kgf)	ASTM E10
60	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non ferrous	Charpy Impact at Room Temp. to -196 deg. c.	IS 1757 Part-1
61	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Charpy Impact at Room Temp. to -196 deg. cen	ASTM A 370
62	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Charpy Impact at Room Temp. to -196 deg. cen	ASTM E 23
63	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Charpy Impact at Room Temp. to -196 deg. cen	EN ISO 148-1
64	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Elongation	ASTM E 8/8M
65	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Elongation %	ASTM A 370
66	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non ferrous	Elongation %	EN ISO 6892-1
67	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non ferrous	Elongation %	IS 1608-1
68	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	RA %	ASTM E 8/8M

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69	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non ferrous	RA %	EN ISO 6892-1
70	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non ferrous	RA %	IS 1608-1
71	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Rockwell C Hardness (diamond /indentor of 120 degree with 150 kgf load)	ASTM E18
72	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	UTS	ASTM A 370
73	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	UTS	ASTM E 8/8M
74	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non ferrous	UTS	EN ISO 6892-1
75	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non ferrous	UTS	IS 1608-1
76	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials	Rockwell HRBW Hardness (Ball Dia 1/16 mm/ 100 kgf load)	ASTM E 18
77	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non Ferrous Materials	Brinell Hardness (Ball dia 2.5 mm/ 187.5 kgf)	ASTM A 370
78	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non Ferrous materials	Brinell Hardness (Ball dia 2.5 mm/ 187.5 kgf)	IS 1500 Part-1
79	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non Ferrous materials	Rockwell C Hardness (diamond /indentor of 120 degree with 150 kgf load)	IS 1586 Part-1