National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : PRECISION METALS, ATKARGOAN, TAKAI-ADOSHI ROAD, KHOPOLI, KHALAPUR, RAIGAD, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-4047 **Page No** 1 of 2

Validity 03/01/2022 to 02/01/2024 **Last Amended on** 22/03/2022

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	Stainless Steel	Carbon	ASTM E 1086
2	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E 1086
3	CHEMICAL- METALS & ALLOYS	Stainless Steel	Cobalt	ASTM A751
4	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E1086
5	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E 1086
6	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E1086
7	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E 1086
8	CHEMICAL- METALS & ALLOYS	Stainless Steel	Niobium	ASTM A751
9	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nitrogen	ASTM A751
10	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	ASTM E 1086
11	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E 1086
12	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	ASTM E 1086
13	CHEMICAL- METALS & ALLOYS	Stainless Steel	Titanium	ASTM A751
14	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous material, alloys and products	Brinell Hardness Test (2.5 Dia / 187.5 kgf)	ASTM E 10
15	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Brinell Hardness Test (10 Dia / 3000 kgf)	ASTM E 10
16	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Izod V Notch test	BS 131 (Part-1)
17	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell Hardness Test	ASTM E18

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18	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys and products	Rockwell Hardness Test	ASTM E 18
19	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metals and alloys	% Elongation	ISO 6892
20	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metals and alloys	% Reduction	ISO 6892
21	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metals and alloys	Charpy V notch at room temperature and -60 deg C	ISO 148 (Part 1)
22	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metals and alloys	Tensile Strength	ASTM A 370
23	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metals and alloys	Tensile strength	IS 1608 (Part 1)
24	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metals and alloys	Ultimate Tensile testing machine	ISO 6892
25	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metals and alloys	Yield Strength (0.2%)	ISO 6892
26	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metals and alloys	Yield Strength (1.0%)	ISO 6892
27	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Grain Size	ASTM E 112 Comparison Method
28	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	IGC Test	ASTM A262 Practice E
29	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Inclusion Rating	ASTM E 45 Method A
30	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Inclusion Rating	DIN 50602 Method K
31	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Microstructure (Delta Ferrite / Ferrite)	ASTM A 562
32	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products.	IGC Test	ASTM A262 Practice A.