National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TEST LAB, HINDUSTAN AERONAUTICS LIMITED, TRANSPORT AIRCRAFT DIVISION, KANPUR, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5227 **Page No** 1 of 2

Validity 01/03/2023 to 28/02/2025 **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 & its alloys	Chromium as Cr	ASTM E1251
2	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Copper as Cu	ASTM E1251
3	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Iron as Fe	ASTM E1251
4	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Lead as Pb	ASTM E1251
5	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Magnesium as Mg	ASTM E1251
6	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Manganese as Mn	ASTM E1251
7	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Nickel as Ni	ASTM E1251
8	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Silicon as Si	ASTM E1251
9	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Titanium as Ti	ASTM E1251
10	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Vanadium as V	ASTM E1251
11	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Zinc as Zn	ASTM E1251
12	CHEMICAL- PETROLEUM AND PRODUCTS	PETROLEUM (AVIATION FUELS)	CONTAMINATION CHECK OF HYDRAULIC FLUID & ATF (CLEANLINESS REQUIREMENTS OF PARTS USED IN HYDRAULIC SYSTEMS)	NAS 1638
13	MECHANICAL- MECHANICAL PROPERTIES OF METALS	FERROUS / NON FERROUS MATERIALS	% ELONGATION	ASTM E8
14	MECHANICAL- MECHANICAL PROPERTIES OF METALS	FERROUS / NON FERROUS MATERIALS	0.2 % PROOF STRESS TEST	ASTM E8
15	MECHANICAL- MECHANICAL PROPERTIES OF METALS	FERROUS / NON FERROUS MATERIALS	BRINELL HARDNESS TESTING (HBW 2.5, 62.5)	ASTM E 10
16	MECHANICAL- MECHANICAL PROPERTIES OF METALS	FERROUS / NON FERROUS MATERIALS	BRINELL HARDNESS TESTING (HBW 2.5/187.5)	ASTM E 10

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17	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS / NON FERROUS MATERIALS	ROCKWELL HARDNESS TESTING (HRC)	ASTM E 18
18	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS / NON FERROUS MATERIALS	ULTIMATE TENSILE STRENGTH	ASTM E8
19	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS / NON FERROUS MATERIALS	VICKERS HARDNESS TESTING (HV30)	ASTM E92
20	NON-DESTRUCTIVE-METALS & ALLOYS	ALUMINIUM ALLOY	ULTRASONIC TEST (Rolled products, contact method)	ASTM B 594
21	NON-DESTRUCTIVE-METALS & ALLOYS	ALUMINIUM ALLOY AND STEEL	RADIOGRAPHY TEST (X-Ray)	ASTM E 1742 M
22	NON-DESTRUCTIVE-METALS & ALLOYS	ALUMINIUM AND MAGNESIUM ALLOY	EDDY CURRENT TEST	ASME Section V Article 8
23	NON-DESTRUCTIVE-METALS & ALLOYS	FERROUS / NON FERROUS METALS	DYE PENETRANT TEST (Water Washable Fluorescent & Hydrophilic emulsifier Test Methods)	ASTM E 1417
24	NON-DESTRUCTIVE-METALS & ALLOYS	FERROUS METALS	MAGNETIC PARTICLE TEST (Fluorescent, Bench Type)	ASTM E 1444