National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CENTRAL LABORATORY, HAL ACCESSORIES DIVISION, FAIZABAD ROAD, LUCKNOW, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-4015 **Page No** 1 of 3

Validity 20/08/2021 to 19/08/2023 **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 Alloys	Chromium (Cr)	ASTM E 1251-17a
2	CHEMICAL- METALS & ALLOYS	Aluminum Alloys	Copper (Cu)	ASTM E 1251-17a
3	CHEMICAL- METALS & ALLOYS	Aluminum Alloys	Magnesium (Mg)	ASTM E 1251-17a
4	CHEMICAL- METALS & ALLOYS	Aluminum Alloys	Manganese (Mn)	ASTM E 1251-17a
5	CHEMICAL- METALS & ALLOYS	Aluminum Alloys	Nickel (Ni)	ASTM E 1251-17a
6	CHEMICAL- METALS & ALLOYS	Aluminum Alloys	Silicon (Si)	ASTM E 1251-17a
7	CHEMICAL- METALS & ALLOYS	Aluminum Alloys	Zinc (Zn)	ASTM E 1251-17a
8	CHEMICAL- METALS & ALLOYS	Copper Base Alloy	Aluminium (Al)	LTP 106B Issue No. 04 APRIL18
9	CHEMICAL- METALS & ALLOYS	Copper Base Alloy	Iron (Fe)	LTP 106B Issue No. 04 APRIL18
10	CHEMICAL- METALS & ALLOYS	Copper Base Alloy	Lead (Pb)	LTP 106B Issue No. 04 APRIL18
11	CHEMICAL- METALS & ALLOYS	Copper Base Alloy	Manganese (Mn)	LTP 106B Issue No. 04 APRIL18
12	CHEMICAL- METALS & ALLOYS	Copper Base Alloy	Nickel (Ni)	LTP 106B Issue No. 04 APRIL18
13	CHEMICAL- METALS & ALLOYS	Copper Base Alloy	Phosphorus (P)	LTP 106B Issue No. 04 APRIL18
14	CHEMICAL- METALS & ALLOYS	Copper Base Alloy	Silicon (Si)	LTP 106B Issue No. 04 APRIL18
15	CHEMICAL- METALS & ALLOYS	Copper Base Alloy	Tin (Sn)	LTP 106B Issue No. 04 APRIL18
16	CHEMICAL- METALS & ALLOYS	Copper Base Alloy	Zinc (Zn)	LTP 106B Issue No. 04 APRIL18
17	CHEMICAL- METALS & ALLOYS	Ferrous Alloys	Carbon (C)	ASTM E 1019
18	CHEMICAL- METALS & ALLOYS	Ferrous Alloys	Sulfur (S)	ASTM E 1019

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19	CHEMICAL- METALS & ALLOYS	High Speed Steel	Carbon (C)	LTP 106A Issue No. 04 APRIL18
20	CHEMICAL- METALS & ALLOYS	High Speed Steel	Chromium (Cr)	LTP 106A Issue No. 04 APRIL18
21	CHEMICAL- METALS & ALLOYS	High Speed Steel	Copper (Cu)	LTP 106A Issue No. 04 APRIL18
22	CHEMICAL- METALS & ALLOYS	High Speed Steel	Manganese (Mn)	LTP 106A Issue No. 04 APRIL18
23	CHEMICAL- METALS & ALLOYS	High Speed Steel	Molybdenum (Mo)	LTP 106A Issue No. 04 APRIL18
24	CHEMICAL- METALS & ALLOYS	High Speed Steel	Nickel (Ni)	LTP 106A Issue No. 04 APRIL18
25	CHEMICAL- METALS & ALLOYS	High Speed Steel	Tungsten (W)	LTP 106A Issue No. 04 APRIL18
26	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Aluminium (Al)	ASTM E 415
27	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Carbon (C)	ASTM E 415
28	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Chromium (Cr)	ASTM E 415
29	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Manganese (Mn)	ASTM E 415
30	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Molybdenum (Mo)	ASTM E 415
31	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nickel (Ni)	ASTM E 415
32	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Phosphorus (P)	ASTM E 415
33	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Silicon (Si)	ASTM E 415
34	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Sulfur (S)	ASTM E 415
35	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon (C)	ASTM E 1086
36	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium (Cr)	ASTM E 1086
37	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese (Mn)	ASTM E 1086

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38	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum (Mo)	ASTM E 1086
39	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus (P)	ASTM E 1086
40	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon (Si)	ASTM E 1086
41	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulfur (S)	ASTM E 1086
42	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & non Ferrous Material	Vickers Hardness Test	ASTM E 384
43	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & non Ferrous Material	Vickers Hardness Test	ASTM E 384
44	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & non Ferrous Material	Vickers Hardness Test	ASTM E 384
45	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & non Ferrous Materials	Brinell Hardness Test	ASTM E 10
46	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials	Rockwell Hardness Test	ASTM E 18
47	NON-DESTRUCTIVE-METALS & ALLOYS	Ferro magnetic material	Magnetic Particle Testing (Fluorescent) (Stationary)	NDTS 004 (Month: June ; Year : 2015)
48	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Materials	Radiographic Testing (X-Ray)	NDTS 001 (Month: Feb. ; Year : 2019)
49	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Materials	Ultrasonic Testing (Contact pulse-echo type)	NDTS 006 (Month: Oct. ; Year : 2014)
50	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Materials (Non Porous)	Liquid Penetrant Testing	NDTS 015 (Month: May ; Year : 2015)
51	NON-DESTRUCTIVE-METALS & ALLOYS	Non-Ferrous Materials	Eddy Current Testing	NDTS 005 (Month: May & Year : 2010)