National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : QUALITY ASSURANCE LABORATORY, METAL, BHARAT ALUMINIUM COMPANY LIMITED, BALCO NAGAR, KORBA, CHHATTISGARH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11254 **Page No** 1 of 2

Validity 04/01/2023 to 03/01/2025 **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	Aluminum & its alloys	Antimony (Sb)	ASTM E 1251
2	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Beryllium (Be)	ASTM E 1251
3	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Boron (B)	ASTM E 1251
4	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Calcium (Ca)	ASTM E 1251
5	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Chromium (Cr)	ASTM E 1251
6	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Cobalt (Co)	ASTM E 1251:
7	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Copper (Cu)	ASTM E 1251
8	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Gallium (Ga)	ASTM E 1251
9	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Iron (Fe)	ASTM E 1251
10	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Lead (Pb)	ASTM E 1251
11	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Magnesium (Mg)	ASTM E 1251
12	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Manganese (Mn)	ASTM E 1251
13	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Nickel (Ni)	ASTM E 1251
14	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Phosphorous (P)	ASTM E 1251
15	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Silicon (Si)	ASTM E 1251
16	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Sodium (Na)	ASTM E 1251
17	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Strontium (Sr)	ASTM E 1251
18	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Tin (Sn)	ASTM E 1251

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19	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Titanium (Ti)	ASTM E 1251
20	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Vanadium (V)	ASTM E 1251
21	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Zinc (Zn)	ASTM E 1251
22	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Zirconium (Zr)	ASTM E 1251
23	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	ALUMINIUM & ALUMINIUM ALLOY WIRE / ROD	Conductivity (% IACS at 20 DEG C)	IS 5484
24	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	ALUMINIUM & ALUMINIUM ALLOY WIRE / ROD	Resistance	IS 3635
25	MECHANICAL- MECHANICAL PROPERTIES OF METALS	ALUMINIUM & ALUMINIUM ALLOY WIRE / ROD	Breaking load	IS 1608 (Part 1)
26	MECHANICAL- MECHANICAL PROPERTIES OF METALS	ALUMINIUM & ALUMINIUM ALLOY WIRE / ROD	ELONGATION on 250 mm	IS 1608 (Part 1)
27	MECHANICAL- MECHANICAL PROPERTIES OF METALS	ALUMINIUM & ALUMINIUM ALLOY WIRE / ROD	Ultimate Tensile strength UTS	IS 1608 (Part 1)