National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ANGUS LAB, BRAITHWAITE & CO.LTD.(A GOVT.OF INDIA UNDERTAKING,MINISTRY OF RAILWAYS), BRAITHWAITE &CO.LTD ,ANGUS WORKS, BHADRESWAR, HOOGHLY, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10103 **Page No** 1 of 2

Validity 01/12/2021 to 30/11/2023 **Last Amended on** 18/06/2023

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	Casting	Carbon,%	IS;8811
2	CHEMICAL- METALS & ALLOYS	Casting	Chromium,%	IS:8811
3	CHEMICAL- METALS & ALLOYS	Casting	Cobalt,%	IS:8811
4	CHEMICAL- METALS & ALLOYS	Casting	Copper,%	IS:8811
5	CHEMICAL- METALS & ALLOYS	Casting	Manganese ,%	IS:8811
6	CHEMICAL- METALS & ALLOYS	Casting	Molybdenum,%	IS:8811
7	CHEMICAL- METALS & ALLOYS	Casting	Nickel,%	IS:8811
8	CHEMICAL- METALS & ALLOYS	Casting	Phosphorus ,%	IS:8811
9	CHEMICAL- METALS & ALLOYS	Casting	Silicon,%	IS:8811
10	CHEMICAL- METALS & ALLOYS	Casting	Sulphur,%	IS:8811
11	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Casting	Brinell Hardness Test (2.5 /187.5 kgf)	IS 1500 (Part 1)
12	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Casting	Charpy Impact Test(V-Notch) at room temperature	IS 1757(Part 1)
13	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Casting	Elongation,%	IS 1608 (Part 1)
14	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Casting	Rockwell hardness (scale C)	IS 1586(Part-1)
15	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Casting	Tensile Strength	IS 1608 (Part 1)
16	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Casting	Yield Strength	IS 1608 (Part 1)

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ANGUS LAB, BRAITHWAITE & CO.LTD.(A GOVT.OF INDIA UNDERTAKING,MINISTRY OF RAILWAYS), BRAITHWAITE &CO.LTD ,ANGUS WORKS, BHADRESWAR, HOOGHLY, WEST BENGAL, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-10103	**Page No**	2 of 2
Validity	01/12/2021 to 30/11/2023	**Last Amended on**	18/06/2023

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
17	MECHANICAL-METALLOGRAPHY TEST	Casting	Microstructure Examination 1000x Magnification(100x, 200x,500x)	ASM vol. 9
18	MECHANICAL-METALLOGRAPHY TEST	Casting	Microstructure Examination 1000x Magnification (100x, 200x,500x,1000x)	ASM vol.9