

Laboratory	Hindalco Industries Limited, Belur R&D, 39 G T Road, Belurmath, Howrah, West Bengal		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Mechanical Testing	Issue Date	02.07.2015
Certificate Number	T-1603	Valid Until	01.07.2017
Last Amended on	-	Page	1 of 1

S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I. MECHANICAL PROPERTIES OF MATERIALS				
1.	Aluminium and its alloys (Sheet & Plate)	Ultimate Tensile Strength	IS 1608: 2005 (RA 2011)	50 MPa to 500MPa (1 N to 100 kN)
		0.2 % Proof Strength		30 MPa to 450 MPa (1 N to 100 kN)
		% Elongation		1 % to 40 %
		Vickers Hardness Test	IS 1501: 2002 (RA 2011) IS 1501 (Part 1): 2013	10 HV ₁₀ to 225 HV ₁₀
		Bend test	IS 1599: 2012	Qualitative (0.2 mm to 3mm thickness)
		Macro etching Test	IS 12573: 2010	Qualitative
-X-X-X-X-X-X-X-X-X-X-X-				