

Inspection Certificate EN10204 – 3.1



Certificate No : 2101LB8116

Hulamin Operations Proprietary Limited Reg No 1999/020410/07 VAT Reg. No. 4570235962
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BUYER: COAST ALUMINUM, INC. 10628 FULTON WELLS AVENUE SANTE FE SPRING CA 90670	Hulamin Load No: HL047097 Lot No : 12/12/190M3	Product : PLATE HEAT TREATED LINISHED,, 6061-T6 0.19"(+0.0091 -0) x 48" x 144"
	P/List No : 2/2092273 Release No : RE207505	Dimension : 0.19" X 48" X 144" Alloy - Temper : 6061 - T6
	Cust Order No : Y5670	Certificate No : 2101LB8116
	HULAMIN Order No : 358690E Item Part : 1/1	Cust Ref/Part No: Combined P/List No : R238787

Case No : PRC557

MECHANICAL TEST RESULTS

Lot No.	Cast No.	Metal Id	Alloy	Spec No	Mechanical Properties							
					Yield Strength (Ksi)	UTS (Ksi)	Elongation A50 (%)	Earing (%)	TestDate	Gauge Length (Inches)	Actual Gauge (Inches)	
Spec				Min	34.8	42.0	10					0.19
				Max							50	0.199
12/12/190M3	20361C42	20-61466063	6061	1	39.3	46.7	18		09/01/21	2		0.198
				2	39.3	46.7	18		09/01/21	2		0.198

CHEMICAL COMPOSITION

	Cast No.	Alloy	Si (%)	Fe (%)	Cu (%)	Mn (%)	Mg (%)	Cr (%)	Zn (%)	Ti (%)	Each (%)	Total (%)	Al (%)
Min			0.40		0.15		0.8	0.04					
Max			0.8	0.7	0.40	0.15	1.2	0.35	0.25	0.15	0.05	0.15	
	20361C42	6061	0.71	0.44	0.26	0.11	1.0	0.18	0.01	0.03			97.19

CONFORMS TO: ASME SB-209 ASTM B209/14 AMS 4027N AMS-QQA-250/11, 07.2008

For purposes of determining conformance with these specifications, an observed value or a calculated value shall be rounded "to the nearest unit" in the last right-hand digit used in expressing the specification limit, in accordance with the rounding method of ASTM Practice E29, for Using Significant Digits in Test Data to Determine Conformance with Specifications.

WE HEREBY CERTIFY, THAT THE MATERIAL DESCRIBED ABOVE HAS BEEN TESTED AND COMPLIES WITH THE TERMS OF THE ORDER CONTRACT. THE INSPECTION RESULTS INDICATED IN THE CHEMICAL COMPOSITION HAVE BEEN OBTAINED FROM CAST ANALYSIS.

P. du Plessis - Rolled Products Technical Manager