



QUALITY CERTIFICATE

According to ASTM B209

Serial No: 202309050001101

Date: 2023-9-5

EMPRESAS CARBONE S.A.	ORDER NO.:SH-EC20230719			CONTRACT NO.:SH-EC20230719		
	DESCRIPTION OF GOODS: ALUMINUM SHEET			STANDARD: ASTMB209		
	ALLOY AND TEMPER: 3003H14			DIMENSIONS: 0.45*1219*3048		
	LOT NO.:23CE1300108			NETWEIGHT: 3741.00kgs		
	MECHANICAL PROPERTIES	ULTIMATE STRENGTH	YIELD STRENGTH	ELONGATION	REMARKS	
	UNITS	MPa	MPa	%	-----	
	Nominal Requirement	140-180	≥115	≥2		
	Test Results	159	148	7	-----	

CHEMICAL COMPOSITION %

		Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Impurities		Al
Nominal requirement	Min	--	--	0.05	1.00	--	--	--	--	Each	Total	Remainder
	Max	0.60	0.70	0.20	1.50	---	--	0.10	--	0.05	0.15	
Test Results		0.15	0.54	0.10	1.12	--	--	0.01	--	0.05	0.15	