



Wolverine Tube, Inc
 2100 Market Street
 Decatur, AL 35601
 800-633-3972

**CERTIFIED INSPECTION REPORT FOR
 EXTRUDED PRODUCTS**

MANIFEST NUMBER 34290	OUR ORDER NUMBER 17968-1	DIE NUMBER WS10327	DATE OF SHIPMENT 10/11/2022	
	CUSTOMER PO 605523-LA	ALLOY 6061	TEMPER T6511	SALESMAN House
	CUSTOMER PART NUMBER 2434854	DESCRIPTION 1/8 x 2 Flat Bar		

We hereby certify that the material covered by this report has been inspected in accordance with, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown.

Application Specifications: ASTM B221-20

Tickets: 178034	178832
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J. Dunz
 Jason Dunzweiler, Quality Assurance
 Wolverine Tube Inc.

Mechanical Properties

Order #	Item #	Lot #	Cast Number	Alloy	Alloy Type	Test No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
17968-1-1/B/11			77396	6061	P	1	10/04/22	41.2	37.7	10%
17968-1-1/C/11			77396	6061	P	1	10/05/22	43.5	40.3	10%

Chemical Limits

	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ga	V	B	Zr	Bi	Pb	Sn	Sr	Co	Each	Total
ALLOY 6061 TYPE P																				
Minimum	0.40	0.14	0.15	0.00	0.8	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.15
Maximum	0.80	0.40	0.29	0.15	1.2	0.35	0.00	0.25	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Density:	0.098 g/cm ³																			

Chemical Composition

Cast Number	Alloy Type	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ga	V	B	Zr	Bi	Pb	Sn	Sr	Co	Al	Other	
77396	6061 P	0.64	0.25	0.21	0.05	0.9	0.05	0.00	0.02	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	REM	0.00

Note: The cast #'s for all lot numbers ending in /12, /13, etc are the same for lot #'s ending in /11. The numbers after the slash denote a different heat treat oven load.

Country of Origin: U.S.A