



562-692-5911
562-695-2323 (fax)
la.sales@mcmaster.com



Certificate

Purchase Order PO26101626	Order Date 3/9/2026	Placed By Christopher Berger	McMaster-Carr Number 3932335-01	Number of Certificates 1
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Line	Product	Ordered	Status	Certificate
10	8975K253 Multipurpose 6061 Aluminum Bar, 1-1/2" Thick x 2" Wide x 8 Feet Long	2 each	2 each deliver March 10	324-7101



SO: 804865, LINE #4
 HEAT #: 25689278
 PO: GH-27840240

MCMaster-CARR SUPPLY CO
 161.5002.00096.00

1.500" X 2.000" X 96.000 ALUM RECT 6061T6511 EXTRUDED

Certified Inspection Report



Hydro Extrusion USA, LLC
 1550 N. Hydro Way
 --
 SPANISH FORK, UT
 84660-1349



Cert Number	Page			
HYDRO4151986	Page 1 of 2			
Sales Order Number	Line No.	Customer P/O	Cert Creation Date	Cert Print Date
1102328575	9	012226-9	24-JAN-26	24-JAN-26

Invoice To Customer
 HOWARD PRECISION METALS INC
 PO BOX 240127
 8058 N 87TH STREET
 --
 MILWAUKEE, WI - 53224

Ship To Customer
 HOWARD PRECISION METALS INC
 8058 N 87TH STREET
 --
 MILWAUKEE, WI - 53224

Quantity Shipped	Date Shipped	Item Description	Specification
511 LB	24-JAN-26	ACC-U-LINE Extruded ACC-U-BAR +	ASTM B221 REV 21 Table 1 Chemical Composition Limits Table 2 Mechanical Property Limits AMS QQ-A-200/8 REV A
B/L	Item No.	1.500 TK x 2.000 W TK TOL +.014/-0.00 W TOL +.024/-0.00 SECT 550610	
1536419	G03211422	144.000 IN LN FIN M-MILL W/F 3.565 F 2 CS 2.51 6061/T6511H Marking CONTINUOUS;	
Delivery Id	Item No. Rev		
5689294	--		
CustomerPart No.	E16M1.5002.000		

Applicable Specifications, Revisions and Exceptions

ACC-U-BAR
 For U.S. Government Sales (when applicable to extrusions):
 Items supplied are compliant with the Buy
 American Act DFARS 252.225-7001
 Melted in the USA or a qualifying country, as identified in the Buy
 American Act (DFARS 252.225-7001)
 COMPOSITION NOTE: The values for 'Others Each' and 'Others Total' have met the limits as shown on
 this certified inspection report. Remainder is Aluminum.

Hydro Extrusion USA, LLC hereby certifies that the extrusions covered in this report are within the acceptable ranges of the sections or the specification tables, excluding footnotes, identified herein. Chemical composition may be based on results provided by external billet suppliers. Further information on processing, testing including ASTM B557, and inspection is available at www.hydro.com/technicalspecificationsENA. Sales are governed by the Extrusion North America Standard Terms and Conditions of Sale available at www.hydro.com/termsconditionsENA, unless otherwise mutually agreed in writing.

Signature And Title

Steven Tanner
 Quality Manager

24-JAN-26

Quantities per Lot / Packages

Package Number	Lot Number	Quantity	UOM	Weight	
				Gross	Net
G14-PKG2885456	25689278	12	PCS	517	511



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Composition Limits

Alloy	Alloy		Si		Fe		Cu		Mn		Mg		Cr	
	PCT (%)		PCT (%)		PCT (%)		PCT (%)		PCT (%)		PCT (%)		PCT (%)	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
6061	--	--	0.40	0.80	---	0.70	0.15	0.40	---	0.15	0.80	1.20	0.04	0.35
Alloy	Zn		Ti		Others Each		Others Total							
	PCT (%)		PCT (%)		PCT (%)		PCT (%)							
	Min	Max	Min	Max	Min	Max	Min	Max						
6061	---	0.25	---	0.15	---	0.05	---	0.15						

Composition Results

Heat / Cast	Alloy	Country of Melt	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others Each	Others Total
S25112106	--	US	0.73	0.39	0.29	0.06	0.93	0.05	0.14	0.02	--	--

Mechanical Property - Test Limits

Test Type			UTS - L		TYS - L		EL 4D-Long	
UOM			KSI		KSI		PCT	
# of Test			--		--		--	
Test Temper	Lot Number	# of Tests	MIN Value	MAX Value	MIN Value	MAX Value	MIN Value	MAX Value
T6511H	25689278	5	43.3	44.6	38.2	39.6	19.0	20.5

Notes

Mercury is not a normal contaminant in aluminum alloys and we do not knowingly use it in the manufacture of our goods.
 Extrusions produced to T6511 temper also meet T6 temper requirements
 Extruded in the USA
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