



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



Certificate

<b>Purchase Order</b> PO26131681	<b>Order Date</b> 3/31/2026	<b>Placed By</b> Christopher Berger	<b>McMaster-Carr Number</b> 5104384-04	<b>Number of Certificates</b> 1
-------------------------------------	--------------------------------	---	---	------------------------------------

Line	Product	Ordered	Status	Certificate
7	9008K86 Multipurpose 6061 Aluminum Bar, 1-1/8" Thick x 1-1/8" Wide x 2 Feet Long	1 each	1 each delivers April 1	298-2044



SO: 796974, LINE #1  
 HEAT #: 25548878  
 PO: FA-20777750

MCMaster-CARR SUPPLY CO  
 121.12524.00

1.125" SQ X 24.000 6061T6511H EXT MANIFOLD QUALITY

### Certified Inspection Report



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



<b>Cert Number</b>	<b>Page</b>			
HYDRO4059727	Page 1 of 2			
<b>Sales Order Number</b>	<b>Line No.</b>	<b>Customer P/O</b>	<b>Cert Creation Date</b>	<b>Cert Print Date</b>
1102261593	7	P35969-7	15-JUN-25	15-JUN-25

**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
1100 LB	15-JUN-25	ACC-U-LINE Extruded ACC-U-BAR +	ASTM B221 REV 21 Table 1 Chemical Composition Limits Table 2 Mechanical Property Limits ASME SB 221 REV 23
<b>B/L</b>	<b>Item No.</b>	1.125 TK x 1.125 W TK TOL +.012/-.000 W TOL +.012/-.000	Table 1 Chemical Composition Limits Table 2 Mechanical Properties Limits AMS QQ-A-200/8 REV A
1494949	G031100739	SECT 567750	
<b>Delivery Id</b>	<b>Item No. Rev</b>	146 IN LN FIN M-MILL W/F 1.504 F 3 CS 1.59 6061/T6511H	
5642796	--		
<b>CustomerPart No.</b>			
E12M1.1256			

**Applicable Specifications, Revisions and Exceptions**

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](http://www.hydro.com/technicalspecificationsENA). Sales are governed by the Extrusion North America Standard Terms and Conditions of Sale available at [www.hydro.com/termsconditionsENA](http://www.hydro.com/termsconditionsENA), unless otherwise mutually agreed in writing.

**Signature And Title**

Steven Tanner  
 Quality Manager

15-JUN-25

**Quantities per Lot / Packages**

Package Number	Lot Number	Quantity	UOM	Weight	
				Gross	Net
G14-PKG2831385	25548878	60	PCS	1106	1100



SO: 796974, LINE #1  
 HEAT #: 25548878  
 PO: FA-20777750

MCMaster-CARR SUPPLY CO  
 121.12524.00

1.125" SQ X 24.000 6061T6511H EXT MANIFOLD QUALITY

### Certified Inspection Report



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



Cert Number	Page
HYDRO4059727	Page 2 of 2
Cert Creation Date	Cert Print Date
15-JUN-25	15-JUN-25

Sales Order Number	Line No.	Customer P/O
1102261593	7	P35969-7

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
S25060403	--	US	0.70	0.42	0.29	0.06	0.91	0.05	0.08	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	25548878	1	44.6	44.6	38.9	38.9	20.0	20.0

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  
 --