



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



Certificate

Purchase Order PO26131681	Order Date 3/31/2026	Placed By Christopher Berger	McMaster-Carr Number 5104384-01	Number of Certificates 1
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Line	Product	Ordered	Status	Certificate
6	8975K939 Multipurpose 6061 Aluminum Bar, 1-1/4" Thick x 1-3/4" Wide x 8 Feet Long	1 each	1 each delivers April 1	279-4200



SO: 789899, LINE #1
 HEAT #: 25488504
 PO: GH-92889930

MCMMASTER-CARR SUPPLY CO
 161.2501.75096.00

1.250" X 1.750" X 96.000 ALUM RECT 6061T6511H EXT MFQ

Certified Inspection Report

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

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

		Cert Number	HYDR04025855
Sales Order Number	110223853	Cert Creation Date	02-APR-25
Line No.	4	Customer P/O	P35783-4
Quantity Shipped	582 LB	Page	1 of 2
Date Shipped	02-APR-25	Cert Print Date	02-APR-25

Quantity Shipped	LB	Date Shipped	Item Description	Specification
B/L		02-APR-25	ACC-U-LINE Extruded ACC-U-BAR + 1.250 TK x 1.750 W TK TOL +012-.000 W TOL +014-.000 SECT 567749 96 IN LN EN M-MILL W/P 2.895 F 2 CS 2.15 6061/T6511H	ASTM B221 REV 21 Table 1 Chemical Composition Limits Table 2 Mechanical Property Limits ASME SB 221 REV 23 Table 1 Chemical Composition Limits Table 2 Mechanical Properties Limits AMS QQ-A-2008 REV A
Delivery Id		Item No. Rev		
CustomerPart No.				
EI6M1 2501.750				

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
 American Act (DFARS 252.225-7001)
 Met 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 third parties. Further information on processing, testing including ASTM B571, and inspection is available at www.hydro.com/technicalspecifications. Sales are governed by the Extrusion North America Standard Terms and Conditions of Sale available at www.hydro.com/termsconditions, unless otherwise mutually agreed in writing.

Signature And Title

 Steven Tanner
 Quality Manager
 02-APR-25

Quantities per Lot / Packages

Package Number	Lot Number	Quantity	UOM	Weight	
				Gross	Net
G14-PKG2805853	25488504	28	PCS	588	582



SO: 789899, LINE #1
 HEAT #: 25488504
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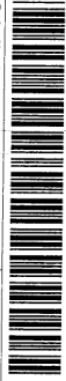
MCMaster-CARR SUPPLY CO
 161.2501.75096.00

1.250" X 1.750" X 96.000 ALUM RECT 6061T6511H EXT MFQ

Certified Inspection Report



Hydro Extrusion USA, LLC
 1350 N. Hydro Way
 SPANISH FORK, UT
 84660-1349



Sales Order Number	Line No.	Customer P/O	Cert Number	Page
1102238853	4	P35783-4	HYDR04025855	2 of 2
			Cert Creation Date	Cert Print Date
			02-APR-25	02-APR-25

Composition Limits

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

Composition Results

Heat / Cast	Alloy	Country of Melt	SI	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others Each	Others Total
S25032506	---	US	0.69	0.39	0.26	0.06	0.90	0.05	0.08	0.02	---	---

Mechanical Property - Test Limits

Test Temper	Lot Number	# of Tests	UTS - L		TYS - L		EL 40-Long	
			MIN Value	MAX Value	MIN Value	MAX Value	MIN Value	MAX Value
T6511H	25488504	1	46.4	46.4	42.2	42.2	18.0	18.0

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