

C273770 1/3

Certified Inspection Report



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



Sales Order Number		Line No.	Customer P/O	Cert Number	Page
1101718004		10	P049771-0009	HYDRO3322770	Page 1 of 3
				Cert Creation Date	Cert Print Date
				01-NOV-20	01-NOV-20

Invoice To Customer

Ship To Customer

Quantity Shipped	Date Shipped	Item Description	Specification
1788 LB	01-NOV-20	Extruded Regular Rod 11.000 DIA SECT 543054	ASTM B221 REV 14 Table 1 Chemical Composition Limits Table 2 Mechanical Property Limits
B/L	Item No.	96.000 IN LN FIN M-MILL	ASME SE 221 REV 17 Table 1 Chemical Composition Limits Table 2 Mechanical Properties Limits
1135320	G03919493	W/F 111.759 F 01 CS 11 6061/T6	AMS QQ-A-200/8 REV A
Delivery Id	Item No. Rev	Marking CONTINUOUS;	
5236692			
Customer Part No.			
11R			

Applicable Specifications, Revisions and Exceptions

Hydro Extrusion USA, LLC (Hydro) complies with the material requirements of ASTM product specifications referenced herein for the extrusions subject to this certified test report, although Hydros practices may not align with certain processes referenced in those specifications, including processes related to temperature, time, frequency, speed, and other process parameters and methods. While Hydro generally follows the ASTM-accepted process routing for manufacturing aluminum extrusions, Hydro follows its own standard processes to achieve applicable customer-specific and ASTM product requirements. Only those specifications (identified above) are certified to the following tables (excluding footnotes) Tables 1 and 2 for ASTM B221, B429/B429M, ASME SB 221 and AMS QQ-A-200/8A, Tables 1 through 4 for ASTM B317/B317M and Tables 1 and 3 for ASTM B241/B241M and ASME SB 241/241M.

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/technicalspecifications/ENA. Sales are governed by the Extrusion North America Standard Terms and Conditions of Sale available at www.hydro.com/termsconditions/ENA, unless otherwise mutually agreed in writing.

Signature And Title

Steven Tanner
 Quality Manager

01-NOV-20

ANS

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Quantities per Lot / Packages

Package Number	Lot Number	Quantity	UOM	Weight	
				Gross	Net
G12-PKG3751134	24066819	2	PCS	1796	1788

Composition Limits

Alloy	Si		Fe		Cu		Mn		Mg		Cr		Zn	
	PCT (%)		PCT (%)		PCT (%)		PCT (%)		PCT (%)		PCT (%)		PCT (%)	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
6061	0.20	0.80	---	0.70	0.15	0.40	---	0.15	0.80	1.20	0.04	0.35	---	0.25
Alloy	Ti		Others Each		Others Total									
	PCT (%)		PCT (%)		PCT (%)									
	Min	Max	Min	Max	Min	Max								
6061	---	0.15	---	0.05	---	0.15								

Composition Results

Heat / Cast	Country of Melt	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others Each	Others Total
4048540	US	0.71	0.34	0.32	0.13	0.91	0.14	0.06	0.02	--	--

Mechanical Property - Test Limits

Test Type		UTS - L		TYS - L		El. 40-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
T6	24066819	1	52.1	52.1	46.7	46.7	11.0	11.0

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

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