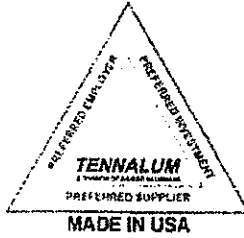


KAISER ALUMINUM

FABRICATED PRODUCTS

Tennalum
309 Industrial Drive
Jackson, TN 38301
731-423-2811



CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

CUSTOMER PO NUMBER 349239-1		CUSTOMER PART NUMBER 21342		PRODUCT DESCRIPTION Cold Finished Rectangle		
KAISER ORDER NUMBER 706258	LINE ITEM 1	SHIP DATE 09/08/2015	ALLOY 7075	TEMPER T651		
WEIGHT SHIPPED 512 lbs.	QUANTITY 47 pcs.	B/L NUMBER 38698	DIAM/DAF/THKNS 0.500 in.	WIDTH 1.500 in.	LENGTH 144.0 in.	
SHIP TO A M Castle & Co 3400 No. Wolf Road Franklin Park, IL 60131 USA			SOLD TO A M Castle & Co 1420 Kensington Road Suite 220 Oak Brook, IL 60523 USA			

Test Code: 1000 AC

Actual Physical Properties

Lot Number	LONG. UTS ksi	LONG. YTS ksi	LONG. ELONG. %
20198231	83.8	57.1	10.0

Chemical Composition, WT. % (Aluminum Remainder)

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	OTHERS EACH	OTHERS TOTAL	Lot
Actual	0.09	0.28	1.5	0.04	2.8	0.20	5.9	0.03			20198231
Max	0.40	0.50	2.0	0.30	2.9	0.28	6.1	0.20	0.05	0.15	
Min			1.2		2.1	0.18	5.1				

Specifications

Standard: ISO 9001, ASTM B211-12, AMS 4123H, AMS-QQ-A-225/9A AMS 4122L Non-Standard: A97075_40_R16

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC ("Kaiser") hereby certifies that the metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

John Rennekamp, Quality Manager

Plant Serial: 220798

Kaiser Order Number: 706258

Line Item: 1