

4032711



Sapa Industrial Extrusions
1550 KIRBY LANE
SPANISH FORK, UT
84660-1349

Sapa Extrusions Inc., a Subsidiary of Sapa AB

Invoice To Customer
COPPER & BRASS SALES INC
ATTN: ACCOUNTS PAYABLE
P.O. BOX 5116
SOUTHFIELD, MI - 48086

Ship To Customer
COPPER & BRASS SALES INC
5441 NE 148th Ave.
Suite 106
PORTLAND, OR - 97230

Certified Inspection Report

Sales Order Number 1100762652	Line No. 1	Customer P/O 5400224754-01	Cert Number SAPA985689	Page 1 of 2
			Cert Creation Date 01-JUN-14	Cert Print Date 01-JUN-14

Quantity Shipped	Date Shipped	Item Description	Specification
1602 LB	01-JUN-14	Extruded Regular Rod 8.500 DIA 144.000 IN LN	ASTM B221 REV 13 AMS-QQ-A-2008 REV 1997 ASMESB221 REV 09
B/L	Item No.	FIN M-MILL W/F 66.732 F 1 CS 8.5 6061/T6511	UNS#A96061 REV IS-HARDNESS REV A
535938	Item No. Rev	G03371798	Marking CONTINUOUS
4547479	Delivery Id		
ALRDD00299	Customer/Part No.		

Applicable Specifications, Revisions and Exceptions
COMPOSITION NOTE: The values for 'Others Each' and 'Others Total' have met the limits as shown on this certified inspection report. Remainder is Aluminum.

Legal Statement
We hereby certify that, unless otherwise indicated, the material covered by this report has been manufactured, inspected and tested in accordance with, and has been found to meet, the applicable requirements described herein, including any specifications forming a part of the description and that samples representative of the material met the composition and the mechanical properties shown on the face of this certification. Also, note that mercury is not a normal contaminant in aluminum alloys and neither it nor any of its compounds are used in the manufacture of our product. This certification is not to be reproduced in partial form without prior written approval of our Quality Assurance Dept.

Signature And Title
Brian Pike
Brian Pike
Quality Control Manager
01-JUN-14

Package Number	Lot Number	Quantity	UOM	Weight	
				Gross	Net
G12-MANN038705	21732174	2	PCS	1608	1602

Alloy	SI		Fe		Cu		Mn		Mg		Cr		Zn	
	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	---	0.25

From: Copper and Brass Sales CA
Cust. M2M MACHINING
CSTAr
Wgt. : 34.200 LB
Del.: 2403458136
CSTOr 480
Date 10/20/2014



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Alloy	Ti		Others Each		Others Total	
	Min	Max	Min	Max	Min	Max
6061	---	0.15	---	0.05	---	0.15

Composition Results

Heat/Cast	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others Each	Others Total
4032711	0.72	0.39	0.34	0.12	0.93	0.14	0.06	0.02	---	---

Mechanical Property - Test Limits

Test Temper	Lot Number	# of Tests	UTS - L		FYS - L		EL 4D-Long		Barrel	
			MIN Value	MAX Value	MIN Value	MAX Value	MIN Value	MAX Value	MIN Value	MAX Value
T6511	2173174	1	54.2	54.2	49.5	49.5	11.3	11.3	80.0	80.0

Cert Notes

Material manufactured to T6511 specifications also meets T6 requirements.
 All elements are represented in the chemical analysis section. The remainder is Aluminum.
 All mill finish alloys produced at Sapa Industrial Extrusions comply with Directive 2011/65/EU (RoHS 2) with the exception of 6262 alloy.
 In accordance with EN 10204, Test Report Type 2.2 and Certificate Type 3.1
 Material produced in compliance to EN 10204 3.1
 Made in USA or Qualifying Countries (as defined in Defense Federal Acquisition Regulation Supplement (DFARS) Section 225-872-1
 Manufactured in USA
 Made in USA

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