

4029800

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

Sapa Extrusions Inc., a Subsidiary of Sapa AB

Invoice To Customer

THYSSENKRUPP MATERIALS CA LTD
COPPER & BRASS SALES
ACCOUNTS PAYABLE
P.O. BOX 5116
SOUTHFIELD, MI - 48086-5116

Ship To Customer

THYSSENKRUPP MATERIALS CA LTD
COPPER & BRASS SALES CANADA
9451 45 AVENW
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EDMONTON, AB -

Certified Inspection Report

Sales Order Number		Line No.	Customer P/O	Cert Number	Page
1100572781		1	5400173697-1	SAPA722597	Page 1 of 2
Cert Creation Date			Cert Print Date		
02-MAR-13			02-MAR-13		

Quantity Shipped	Date Shipped	Item Description	Specification
1876 LB	02-MAR-13	ACC-U-LINE Extruded ACC-U-ROD 6.500 DIA +/-022 SECT 516102 144.000 IN LN FIN M-MILL W/F 39.023 F 1 CS 6.5 6061/T6511H Marking CONTINUOUS;	ASTMB221 REV 12A AMS-QQ-A-2008 REV 1997 ASMESB221 REV 09 UNS#A96061 REV SAEJ454 REV Meets 6061-T6511H, 6061-T6511 REV
B/L	Item No.		
407013	G03306206		
Delivery Id	Item No. Rev		
4405149	--		
Customer Part No.			
ALRD00383			

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 had 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

D. Wade Bishop

Wade Bishop
Quality Control Manager

02-MAR-13

Quantities per Lot / Packages

Package Number	Lot Number	Quantity	UOM	Weight	
				Gross	Net
G12-PKG1883198	21338835	2	PCS	943	938
G12-PKG1883245	21338835	2	PCS	943	938

Composition Limits

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

John R. Zumbardo

Del.: 2402593417

CstOr 2012-338

Date 07/18/2013

From: Copper and Brass Sales CA

Cust.: M2M MACHINING

CstAr

Wgt.: 7.000 LB

4029800

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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
4029800	0.76	0.37	0.34	0.12	0.89	0.14	0.06	0.02	--	--

Mechanical Property - Test Limits

Test Type		UTS - L		TYS - L		EL 4D-Long		
UOM		KSI		KSI		PCT		
# of Tests		--		--		--		
Test Temper	Lot Number	# of Tests	MIN Value	MAX Value	MIN Value	MAX Value	MIN Value	MAX Value
T6511H	21338835	1	57.0	57.0	51.8	51.8	11.7	11.7

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 alloys produced at Sapa Industrial Extrusions comply with 0.4% maximum lead per RoHS, 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
 Melted and Manufactured in the USA
 Made in USA

John J. Gambetta

From: Copper and Brass Sales CA
 Cust.: M2M MACHINING
 Wgt.: 7.000 LB
 Del.: 2402593417
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