

# SAPA 722607

**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 AVE NW  
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EDMONTON, AB -

## Certified Inspection Report

Sales Order Number 1100576751		Line No. 2	Customer P/O 5400175077-2	Cert Number SAPA722607	Page 1 of 2
				Cert Creation Date 02-MAR-13	Cert Print Date 02-MAR-13

Quantity Shipped	Date Shipped	Item Description	Specification
921 LB	02-MAR-13	ACC-U-LINE Extruded ACC-U-ROD 5.250 DIA +/-022	ASTMB221 REV 12A AMS-QQ-A-200/8 REV 1997 ASMESB221 REV 09 UNSA96061 REV SAEJ454 REV Meets 6061-T6511H, 6061-T6511 REV
B/L	Item No.	SECT 515662 144.000 IN LN FIN M-MILL W/F 25.458 F 1 CS 5.2	
407013	G03305811	6061/T6511H Marking CONTINUOUS:	
Delivery Id	Item No. Rev		
4405149	--		
CustomerPart No.			
ALRD00244			

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
G14-PKG1400592	21338355	3	PCS	928	921

### 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

F02557 AqA2

**Certified Inspection Report**

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Page	2 of 2	Cert Print Date	02-MAR-13
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Alloy	TI	Others Each	Others Total	Min	0.15	---	6061
				Max	0.05	---	0.15

Composition Results

Heat / Cast	SI	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others Each	Others Total
S13020307	0.74	0.44	0.27	0.11	0.89	0.13	0.09	0.03	--	--
S13020803	0.74	0.37	0.40	0.10	0.89	0.14	0.15	0.02	--	--
S13021101	0.73	0.43	0.30	0.10	0.84	0.13	0.07	0.03	--	--

Mechanical Property - Test Limits

Test Type	UTS - L	TYS - L	EL 4D-Long
UOM	KSI	KSI	PCT
# of Test	--	--	--
MIN Value	54.1	49.6	14.5
MAX Value	54.1	49.6	14.5
# of Test	1	1	1
Lot Number	21308355	21308355	21308355
Test Temper	76511H	76511H	76511H

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

Material and Manufactured in the USA

Made in USA