

W# 7081 CPA 8 wio 40 CPA



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
19044 95A AVE
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SURREY, BC - V4N 4P2

Certified Inspection Report

Sales Order Number		Customer P/O	Cert Number	Page
1100655779	Line No. 4.	5400196448	SAPA834198	Page 1 of 2
			Cert Creation Date	Cert Print Date
			22-SEP-13	27-NOV-13

Quantity Shipped	Date Shipped	Item Description	Specification
9976 LB	22-SEP-13	Extruded Regular Rod 10.000 DIA SECTION 542329	ASTMB221 REV 13 IS-AUB REV AMS-QQ-A-200/8 REV 1997 Meets 6061-T6511H, 6061-T6511 REV
B/L	Item No.	144.000 IN LN FIN M-MILL W/F 92.363 F 1 CS 10 6061/T6	ASMESB221 REV 09 UNS#A96061 REV
465867	G03976730	Marking CONTINUOUS	
Delivery Id	Item No. Rev		
4469879	--		
CustomerPart No.			
ALRD00259			

Applicable Specifications, Revisions and Exceptions

ACC-U-BAR

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

22-SEP-13

Quantities per Lot / Packages

Package Number	Lot Number	Quantity	UOM	Weight	
				Gross	Net
G14-PKG1471398.	21518711.	2	PCS	2223	2217

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



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

Composition

	Cast	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others Each	Others Total
4031164	0.68	0.45	0.30	0.13	0.85	0.14	0.09	0.03	---	---	---

Mechanical Property - Test Limits

Test Temper	Lot Number	# of Tests	MIN Value	MAX Value	MIN Value	MAX Value
T6511H	21518711	2	50.8	51.1	45.5	45.5
Test Type		UTS - L		TYS - L		EL 40-Long
UOM		KSI		KSI		PCT
# of Tests		---		---		---
MIN Value		50.8		45.5		11.3
MAX Value		51.1		45.5		11.5

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
 Melted and Manufactured in the USA
 Made in USA