

C0774

513031102



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

ASA ALLOYS
DIVISION OF CSM INC

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81 STEINWAY BLVD
ETOBICOKE, - M9W 6H6

Ship To Customer

ASA ALLOYS
20 CHALLENGER CRESCENT

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SHERWOOD PARK, AB - T8H 2R1

Certified Inspection Report

Sales Order Number		Line No.	Customer P/O	Cert Number	Page
1100578004		2	P029475-2	SAPA743862	Page 1 of 2
			Cert Creation Date	Cert Print Date	
			07-APR-13	07-APR-13	

Quantity Shipped	Date Shipped	Item Description	Specification
6012 LB	07-APR-13	ACC-U-LING Extruded ACC-U-ROD 4.250 DIA +/-0.017	ASTMB221 REV 12A AMS-QQ-A-200/8 REV 1997 ASMESB221 REV 09
B/L	Item No.	SECT 500428 144.000 IN LN FIN M-MILL	UNS#A96061 REV SAE/454 REV Meets 6061-T6511H, 6061-T6511 REV
417387	G03305768	W/F 16.683 F 1 CS 4.2	
Delivery Id	Item No. Rev	6061/T6511H Marking CONTINUOUS;	
4415700	--		
Customer Part No.			
4.25ER+			

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

07-APR-13

Quantities per Lot / Packages

Package Number	Lot Number	Quantity	UOM	Weight	
				Gross	Net
G14-PKG1417351	21382467	5	PCS	1010	1002
G14-PKG1417352	21382467	5	PCS	1010	1002
G14-PKG1417353	21382467	5	PCS	1010	1002
G14-PKG1417354	21382467	5	PCS	1010	1001
G14-PKG1417354	21382467	--	--	--	--
G14-PKG1417356	21382467	5	PCS	1010	1002
G14-PKG1417357	21382467	5	PCS	1010	1002

Composition Limits

C077:



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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
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
S13031102	0.76	0.43	0.32	0.11	0.85	0.15	0.08	0.02	--	--

Mechanical Property - Test Limits

Test Type			UTS - L		TVS - L		EL 4D-Long	
UOM			KSI		KSI		PCT	
# of Test			--		--		--	
Test Temper	Lot Number	# of Tests	MIN Value	MAX Value	MIN Value	MAX Value	MIN Value	MAX Value
T651 IH	21382467	1	53.0	53.0	49.5	49.5	16.5	16.5

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 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