

4032821 - 8.0



Sapa Industrial Extrusions
1350 KIRBY LANE
SPANISH FORK, UT
84660-1349

Sapa Extrusions Inc., a Subsidiary of Sapa AB

Invoice To Customer
ASA ALLOYS
DIVISION OF: CSM INC
81 STEINWAY BLVD
FTOBI COKE, - M9W 6H6
Ship To Customer
ASA ALLOYS
20 CHALLENGER CRESCENT
SHERWOOD PARK, AB - T8H 2R1

Certified Inspection Report

Sales Order Number 1100767810	Line No. 15	Customer P/O P033357-15	Cert Number SAP A998524
			Page 1 of 2
			Cert Creation Date 22-JUN-14
			Cert Print Date 22-JUN-14

Quantity Shipped	Date Shipped	Item Description	Specification
1418 LB	22-JUN-14	ACC-U-LINE Extended ACC-U-ROD 8.000 DIA +/- .030 SECT 568740 144.000 IN LN FIN M-MILL W/F 59.112 F 1 CS 8 6061/T6511H Marking CONTINUOUS;	ASTA8221 REV 13 AMS-QQ-A-2008 REV 1997 ASMSR221 REV 09 Meets 6061-T6511H, 6061-T6511 REV
R/L	Item No. G03973584		
542129	Learn No. Rev		
Delivery Id 4553409	Customer Part No. 8R		

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 constituent 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
22-JUN-14

Package Number	Lot Number	Quantity	TOM	Weight	
				Gross	Net
G12-PKG230954	21783607	2	PCS	1424	1418
G12-PKG230954	21783607	-	-	-	-

Quantities per Lot / Packages

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

C108027



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1100767810	15	P033357-15	SAPA998524	2 of 2
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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
4032821	0.72	0.32	0.32	0.13	0.91	0.14	0.05	0.02	---	---
Heat / Cast	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others Each	Others Total
4032823	0.69	0.33	0.30	0.11	0.95	0.15	0.05	0.02	---	---
Heat / Cast	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others Each	Others Total
4032978	0.69	0.33	0.29	0.12	0.90	0.14	0.07	0.02	---	---

Mechanical Property - Test Limits

Test Temper	Lot Number	# of Tests	UTS - L		TYS - L		EL 4D-Long	
			MIN Value	MAX Value	MIN Value	MAX Value	MIN Value	MAX Value
6061	21783607	1	55.4	55.4	50.9	50.9	10.8	10.8

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
Met in USA or Qualifying Countries (as defined in Defense Federal Acquisition Regulation Supplement (DFARS) Section 225.872-1
Manufactured in USA
Made in USA