

C 118029

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

Certified Inspection Report

Cert Number	Page
SAPA1094292	1 of 3
Cert Creation Date	Cert Print Date
26-NOV-14	26-NOV-14

Sales Order Number	Line No.	Customer P/O
1100840745	6	P034660-6

Sapa Extrusions Inc., a Subsidiary of Sapa AB

Invoice To Customer
 ASA ALLOYS
 DIVISION OF CSM INC
 --
 81 STEINWAY BLVD
 ETOBICOKE, -M9W 6H6

Ship To Customer
 ASA ALLOYS
 20 CHALLENGER CRESCENT
 --
 SHERWOOD PARK, AB - T8H 2R1

Quantity Shipped	Date Shipped	Item Description	Specification
6684 LB	26-NOV-14	ACC-U-LINE Extruded ACC-U-ROD 5.000 DIA +/-0.17	ASTMB221 REV 13 AMS-QQ-A-200/8 REV 1997 RA 2012 ASMESB221 REV 09
B/L	Item No.	SECT 503296 144,000 IN LN FIN M-MILL	UNS#A96061 REV SAEJ434 REV Meets 6061-T6511H, 6061-T6511 REV
Delivery Id	Item No. Rev	W/P 23.091 F 1 CS 5 6061/T6511H	
4608997	--	Marking CONTINUOUS;	
Customer Part No.			
5ER+			

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

Brian Pike

Brian Pike
 Quality Control Manager

26-NOV-14

Quantities per Lot / Packages

Package Number	Lot Number	Quantity	UOM	Weight	
				Gross	Net
G14-PKG1616338	21914242	4	PCS	1120	1114
G14-PKG1616339	21914242	4	PCS	1120	1114
G14-PKG1616340	21914242	4	PCS	1120	1114
G14-PKG1627648	21941629	4	PCS	1120	1114
G14-PKG1627650	21941629	4	PCS	1120	1114
G14-PKG1627651	21941629	4	PCS	1120	1114

Composition Limits

ANS

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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
S14101102	0.72	0.43	0.28	0.12	0.90	0.16	0.09	0.03	--	--
Heat / Cast	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others Each	Others Total
S14111106	0.77	0.40	0.32	0.10	0.90	0.13	0.18	0.02	--	--

Mechanical Property - Test Limits

Test Type			UTS - L		TYS - L		EL 4D-Long	
DOM			KSI		KSI		PCT	
# of Tests			--		--		--	
Test Temper	Lot Number	# of Tests	MIN Value	MAX Value	MIN Value	MAX Value	MIN Value	MAX Value
T6511H	21914242	1	53.8	53.8	50.0	50.0	12.0	12.0
Test Type			UTS - L		TYS - L		EL 4D-Long	
DOM			KSI		KSI		PCT	
# of Tests			--		--		--	
Test Temper	Lot Number	# of Tests	MIN Value	MAX Value	MIN Value	MAX Value	MIN Value	MAX Value
T6511H	21941629	1	58.2	58.2	54.7	54.7	15.0	15.0

Cert Notes

C118024



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Sales Order Number 1100840745	Line No. 6	Customer P/O P034660-6
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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 in USA or Qualifying Countries (as defined in Defense Federal Acquisition Regulation Supplement (DFARS) Section 225-872-1
Manufactured in USA
Manufactured in the United States