



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

Sapa Extrusions Inc., a Subsidiary of Sapa AB

Invoice To Customer

RYERSON CANADA
 161 THE WEST MALL

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ETOBICOKE, ON - M9C 4V8

Ship To Customer

RYERSON CANADA
 7910-40 STREET S.E.

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CALGARY, AB - T2C 2Y3

Certified Inspection Report

Sales Order Number		Customer P/O	Cert Number	Page
1100714705	Line No. 1	749178-1	SAPA917904	Page 1 of 2
Delivery Id		Item No. Rev	Cert Creation Date	Cert Print Date
4510386	--	--	09-FEB-14	09-FEB-14
Customer Part No.				
51666204				

Quantity Shipped	Unit	Date Shipped	Item Description	Specification
1114	LB	09-FEB-14	ACC-U-LINE Extruded ACC-U-ROD 5.000 DIA +/-017	ASTMB221 REV 13 AMS-QQ-A-200/8 REV 1997 ASMESB221 REV 09 UNSA96061 REV SAE1454 REV
B/L		Item No.	SECT 503296 144.000 IN LN FIN M-MILL W/F 23.091 F 1 CS 5	Meets 6061-T6511H, 6061-T6511 REV
502706		G03305804	6061/T6511H Marking CONTINUOUS;	
Delivery Id		Item No. Rev		
4510386		--		
Customer Part No.				
51666204				

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.

<p>Legal Statement</p> <p>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.</p>	<p>Signature And Title</p> <p><i>Brian Pike</i></p> <p>Brian Pike Quality Control Manager</p> <p>09-FEB-14</p>
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Quantities per Lot / Packages

Package Number	Lot Number	Quantity	UOM	Weight	
				Gross	Net
G14-PKG1513539	21651708	4	PCS	1122	1114

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

S14011909 / S14012001



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			Cert Creation Date 09-FEB-14	Cert Print Date 09-FEB-14

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
S14011909	0.76	0.40	0.35	0.12	0.93	0.15	0.10	0.02	--	--
Heat / Cast	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others Each	Others Total
S14012001	0.75	0.44	0.33	0.11	0.93	0.14	0.13	0.02	--	--

Mechanical Property - Test Limits

Test Type	UTS - L		TYS - L		EL 4D-Loog	
UOM	KSI		KSI		PCT	
# of Test	-		-		-	
Test Temper	Lot Number	# of Tests	MIN Value	MAX Value	MIN Value	MAX Value
T6511H	21651708	1	55.9	55.9	52.4	52.4
					14.0	14.0

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