

4036478

sapa:

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

Certified Inspection Report

Sales Order Number		Customer P/O	Cert Number	Page
1100981220	Line No. 4	5400278690-40	SAPA2312556	Page 2 of 2
			Cert Creation Date	Cert Print Date
			17-OCT-15	17-OCT-15

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
4036478	0.74	0.39	0.32	0.12	0.88	0.14	0.08	0.02	--	--
Heat / Cast	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others Each	Others Total
4036480	0.75	0.40	0.32	0.11	0.90	0.13	0.09	0.03	--	--

Mechanical Property - Test Limits

Test Type			UTS - L		TYS - L		EL 4D-Long	
UOM			KSI		KSI		PCT	
# of Test			--		--		--	
Test Temper	Lot Number	# of Test	MIN Value	MAX Value	MIN Value	MAX Value	MIN Value	MAX Value
T6S11H	22250866	1	55.6	55.6	51.4	51.4	10.1	10.1

Cert Notes

Material manufactured to T6S11 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 10284 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

Tomas Sanchez

From: TK Materials CA, Ltd.
 Cust.: M2M MACHINING
 Cst#R
 Wgt.: 49 LB

Del.: 2404461582
 CstOr 2016-637
 Date 04/04/2016

sapa:

Sapa Industrial Extrusions
1550 KIRBY LANE
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
9451 45 AVE NW
EDMONTON, AB -

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Quantity Shipped	Date Shipped	Item Description	Specification
2172 LB	17-OCT-15	ACC-U-LINE Extruded ACC-U-ROD 7.000 DIA +/-0.022 SECT 555302 144.000 IN LN FIN M-MILL W/F 45.258 F01 CS 7 6061/T6511H Marking CONTINUOUS;	ASTMB221 REV 14 AMS-QQ-A-200/8 REV 1997 RA 2012 ASMESB221 REV 09 UNSN/A96061 REV Meets 6061-T6511H, 6061-T6511 REV
B/L	Item No.		
681216	G03304933		
Delivery Id	Item No. Rev		
4717282	--		
Customer Part No.			
ALRD00065			

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 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  Justin Donald Quality Control Manager	17-OCT-15
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Quantities per Lot / Packages

Package Number	Lot Number	Quantity	UOM	Weight	
				Gross	Net
G12-PKG2545927	22250866	2	PCS	1092	1086
G12-PKG2545940	22250866	2	PCS	1092	1086

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

Thomas Sanchez

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Date 04/04/2016
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