

Wt# 7079 Poff Pouse Cof. SDE 810140

Thomas J. Smith

Certified Inspection Report

Order Number	110118481	Customer PO	5400338615-0000	Order Date	19-FEB-17
Line No.	3	Customer PO	5400338615-0000	Order Date	19-FEB-17
Order Number	SAPA2604833	Customer PO	5400338615-0000	Order Date	19-FEB-17

sapa:
Sapa Industrial Resources
1350 KIRBY LANE
SPANISH FORK, UT
84660-1349

Sapa Resources Inc., a Subsidiary of Sapa AB
Invoiced To Customer
THYSSENKRUPP MATERIALS CA LTD
COPPER & BRASS SALES
ACCOUNTS PAYABLE
P.O. BOX 5116
SOUTHFIELD, MI - 48066-5116
Ship To Customer
THYSSENKRUPP MATERIALS CA LTD
COPPER & BRASS SALES CANADA
9451 45 AVE NW
EDMONTON, AB - T6S 6B9

Quantity Shipped	Date Shipped	Item No.	Item Description	Specification
4236	19-FEB-17		ASTM B221 REV 14 AMS QQ-A-2008 RBY A AMS B521 REV 19 Specs 6061-T6511H, 6061-T6511 REV	
B/L			8.000 DIA +/- .030 SECT 568740 144,000 IN LN FIN 14 MILL W/F 99.112 R 1 CS 8 6061 T6511H Marking CONTINUOUS;	
811483		C03973864		
Delivery Id				
4869559				
Customer Part No.				
ALR000012				

Applicable Specifications, Revisions and Exemptions
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 inspected, 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 of aluminum alloy 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 Demzid
Justin Demzid
Quality Control Manager

Package Number	Lot Number	Quantity	UOM	Gross Weight	Net Weight
012-PKG0903216	27708623	3	PCS	2134	2138
012-PKG0711660	2772487	3	PCS	2134	2128

Alloy	Cu		Fe		Mn		Mg		Zn	
	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

Wt# 7059 P# 8000 CPA SDE 8 WID 40

sapa

Sapa Industrial Distribution
1150 KIRBY LANE
SPANISH FORK, UT
84600-1349

Certified Inspection Report

Order Number: 110184481 Line No. 3 Customer PO: 5400338615-0020

Cart Number: SAPA060833 Page: 2 of 3
Cart Creation Date: 19-FEB-17 Cart Print Date: 19-FEB-17

Alloy	Ti		Others Each			Others Total		
	Min	Max	Pb	Mo	Mn	Mg	Max	
6061	0.15	0.15	0.05				0.15	

Composition Results

Beam / Cast	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others Each	Others Total
3007241	0.76	0.39	0.34	0.12	0.95	0.13	0.08	0.02	Others Each	Others Total
Beam / Cast	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others Each	Others Total
3007242	0.73	0.41	0.34	0.12	0.90	0.13	0.10	0.02	Others Each	Others Total
Beam / Cast	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others Each	Others Total
4039893	0.72	0.33	0.32	0.12	0.92	0.14	0.04	0.02	Others Each	Others Total
Beam / Cast	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others Each	Others Total
4039957	0.74	0.35	0.33	0.12	0.94	0.13	0.04	0.02	Others Each	Others Total
Beam / Cast	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others Each	Others Total
4039959	0.77	0.20	0.35	0.15	0.93	0.16	0.06	0.02	Others Each	Others Total
Beam / Cast	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others Each	Others Total
4039961	0.74	0.37	0.34	0.12	0.93	0.13	0.05	0.02	Others Each	Others Total

Mechanical Property - Test Limits

Test Temp	Test Type		UTS - L		Elongation	
	Min	Max	KSI	PCT	Min Value	Max Value
70 F	27000	27000	467	10.8	10.8	10.8

From: TK Materials CA, Ltd.
Cust. NEXXA INDUSTRIES LTD
CstAr
Wgt.: 44.333 LB

Del.: 2405077733
CstOr 80080
Date 03/02/2017

Thomas Sanchez

Wof 7019 Pof 8080 CIA SDE 2 10 10 10

sapa:

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

Certified Inspection Report

Sale Order Number 1101184481	Line No. 3	Customer P/O 400038615-0030	Cert Number SAP12604833	Page 3 of 3
			Cert Creation Date 18-FEB-17	Cert Print Date 18-FEB-17

Test Temp	Lot Number	UTS - L		UTS - L		EL AD-LONG	
		MIN	MAX	MIN	MAX	PCT	
TS11H	Z17247	81.8	88.8	83.5	83.5	1.3	1.5

Cart Note
 Products manufactured with a TS11 temp also meet TS temp requirements.
 Yield strength has been determined by the 0.2% offset method.
 All mill finish alloys produced at Sapa Industrial Extrusions comply with Directive 2011/65/EU (RoHS 2) with the exception of 6061 alloy.
 Manufactured in the USA or Qualifying Countries (as defined in Database Federal Acquisition Regulation Supplement (DFARS) Section 25.472-1)
 Manufactured in the United States

From: TK Materials CA, Ltd.
 Cust. NEXXA INDUSTRIES LTD
 CstAr
 Wgt.: 44.333 LB

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 CstOr 80080
 Date 03/02/2017

Thomas Sanchez