

sapa:

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

Sapa Extrusions Inc., a Subsidiary of Sapa AB

Invoice To Customer

SAMUEL SON & CO LTD
2360 DIXIE RD
ATTN: ACCTS PAYABLE
--
MISSISSAUGA, ON - L4Y 1Z7

Ship To Customer

SAMUEL SON & CO LTD
9112-52ND ST SE
--
--
CALGARY, AB - T2C 1Z6

Certified Inspection Report

R623965

| | | | | |
|--------------------|------------|-----------------|-------------|-------------|
| Sales Order Number | | Customer P/O | Cert Number | Page |
| 1100754943 | Line No. 2 | W57981C-2 | SAPA972196 | Page 1 of 2 |
| Cert Creation Date | | Cert Print Date | | |
| 09-MAY-14 | | 09-MAY-14 | | |

| | | | |
|------------------|--------------|---|---|
| Quantity Shipped | Date Shipped | Item Description | Specification |
| 511 LB | 09-MAY-14 | ACC-U-LINE Extruded ACC-U-ROD 1.750 DIA +/-005 SECT 555355 144.000 IN LN FIN M-MILL W/F 2.829 F 2 CS 1.75 6061/T6511H Marking CONTINUOUS; | ASTMB221 REV 13 AMS-QQ-A-200/8 REV 1997 ASMESB221 REV 09 UNSA96061 REV SAEJ454 REV Meets 6061-T6511H, 6061-T6511 REV |
| B/L | Item No. | | |
| 529652 | G03303675 | | |
| Delivery Id | Item No. Rev | | |
| 4539932 | -- | | |
| CustomerPart No. | | | |
| 1.75ER | | | |

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 | Signature And Title |
| | <i>Brian Pike</i> |
| | Brian Pike Quality Control Manager |
| | 09-MAY-14 |

Quantities per Lot / Packages

| Package Number | Lot Number | Quantity | UOM | Weight | |
|----------------|------------|----------|-----|--------|-----|
| | | | | Gross | Net |
| G14-PKG1554121 | 21744761 | 15 | PCS | 515 | 511 |

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 |



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

Certified Inspection Report

| | | | | |
|----------------------------------|---------------|---------------------------|---------------------------------|------------------------------|
| Sales Order Number 1100754943 | Line No. 2 | Customer P/O W57981C-2 | Cert Number SAPA972196 | Page 2 of 2 |
| | | | Cert Creation Date 09-MAY-14 | Cert Print Date 09-MAY-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 |
|-------------|------|------|------|------|------|------|------|------|-------------|--------------|
| S14042905 | 0.72 | 0.39 | 0.31 | 0.07 | 0.91 | 0.07 | 0.10 | 0.03 | -- | -- |
| Heat / Cast | SI | Fe | Cu | Mn | Mg | Cr | Zn | TI | Others Each | Others Total |
| S14043001 | 0.77 | 0.39 | 0.31 | 0.08 | 0.91 | 0.06 | 0.08 | 0.03 | -- | -- |

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 | |
| T6511H | 21744761 | 4 | 46.5 | 49.1 | 42.7 | 45.5 | 17.0 |

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 United States of America

Made in USA