



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

Sapa Extrusions Inc., a Subsidiary of Sapa AB

Invoice To Customer
RYERSON CANADA
1219 CORPORATE DRIVE

Ship To Customer
RYERSON CANADA
7910-40 STREET S.E.

CALGARY, AB - T2C 2Y3

Certified Inspection Report

| | | | | |
|----------------------------------|---------------|--------------------------|---------------------------------|------------------------------|
| Sales Order Number 1101021694 | Line No. 1 | Customer P/O 776551-1 | Cert Number SAPA2377303 | Page 1 of 2 |
| | | | Cert Creation Date 07-FEB-16 | Cert Print Date 07-FEB-16 |

| Quantity Shipped | LB | Date Shipped | Item Description | Specification |
|-------------------------------|----|--------------|--|--|
| 1198 | | 07-FEB-16 | ACC-U-LINE Extended ACC-U-ROD 6.030 DIA +/- .022 | ASTMB221 REV 14 ASTMB221-13 REV AMS-QC-A-260/8 REV A |
| B/L | | Item No. | SECT 515653 144,000 IN LN REN M-MHTL | ASMESB221 REV 09 UNSA96861 REV SAEA54 REV |
| 710637 | | Item No. Rev | V/F 33.251 F 1 CS 6 6061/T6511H | 6061-T6511H, 6061-T6511 REV |
| Delivery Id 4731619 | | Item No. Rev | Marking CONTINUOUS; | |
| Customer Part No. 51666402 | | | | |

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
Justin Donald
Justin Donald
Quality Control Manager

07-FEB-16

| Package Number | Lot Number | Quantity | UOM | Weight |
|----------------|------------|----------|-----|------------------------|
| G14-PKGI761547 | 22383045 | 3 | PCS | Gross 1204 Net 1198 |

Quantities per Lot / Packages

| 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 |

Composition Limits



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| 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 |
|-------------|------|------|------|------|------|------|------|------|-------------|--------------|
| S16011602 | 0.77 | 0.48 | 0.32 | 0.13 | 0.87 | 0.15 | 0.10 | 0.03 | --- | --- |
| Heat / Cast | Si | Fe | Cu | Mn | Mg | Cr | Zn | Ti | Others Each | Others Total |
| S16011603 | 0.73 | 0.46 | 0.30 | 0.11 | 0.86 | 0.14 | 0.08 | 0.03 | --- | --- |

Mechanical Property - Test Limits

| Test Temper | Lot Number | # of Tests | UITS - L | TYS - L | EL-4D-Long |
|-------------|------------|------------|-----------|-----------|------------|
| 165111 | 22883045 | 1 | 51.9 | 48.2 | 10.5 |
| | | | MIN Value | MIN Value | MIN Value |
| | | | MAX Value | MAX Value | MAX Value |
| | | | 51.9 | 48.2 | 10.5 |
| | | | UITS - L | TYS - L | EL-4D-Long |
| | | | KSI | KSI | PCT |
| | | | --- | --- | --- |

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 6062 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 125.872-1
 Manufactured in USA
 Manufactured in the United States