



EXCELENCIA EN CALIDAD

**Acería Ramos Arizpe**

CARRETERA MONCLOVA KM 4 NUMERO 2125  
TRAMO SANTA CRUZ OJO CALIENTE  
C.P./ZIP RAMOS ARIZPE, COAHUILA  
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**CERTIFICADO DE CALIDAD / CERTIFICATE OF TEST  
AND ANALYSIS**

|                                      |                   |
|--------------------------------------|-------------------|
| No. Certificado /<br>Certificate No: | 142438 - 21980832 |
| Fecha / Date:                        | 23/04/2019        |

Hecho en México / Made in Mexico

| DATOS DEL CLIENTE / SOLD TO  |                                | CLIENTE CONSIGNADO / SHIP TO  | DATOS DEL EMBARQUE / SHIPPING INFORMATION |
|--|--------------------------------|---|---|
| Cliente / Customer: PLESA ANAHUAC Y CIAS SA DE CV                        |                                | Cliente / Customer: MATRIZ TULTITLAN  | Núm. Viaje / Travel No: 142438            |
| Dirección / Address: AV VALLE DE LAS ALAMEDAS 66 0 SAN FRANCISCO CHILPAN |                                | Dirección / Address: AV VALLE DE LAS ALAMEDAS 66 0 66 SAN FRANCISCO CHILPAN | Núm. Factura / Invoice No: FQ82131        |
| Ciudad / City: TULTITLAN   | Estado / State: EDO. DE MEXICO | Ciudad / City: TULTITLAN  | Estado / State: EDO. DE MEXICO            |
| Teléfono / Phone: 10838570   |                                | Pedido / Customer Order No: 21980832  |   |
| País / Country: MEXICO C.P./ZIP 54940                                    |                                | Núm. Plan / Shipping Plan: 152088   |   |
| Correo Electrónico / eMail:  |                                | Fecha Embarque / Date: 23/04/2019   |   |

**COMPOSICIÓN QUÍMICA / CHEMICAL COMPOSITION (% PESO / WEIGHT)**

| Colada /<br>Heat | Secuencia /<br>Sequence | Clave /<br>Code | Producto / Description of Goods                    | % C  | % Mn | % Si | % P   | % S   | % Cu | % Cr | % Ni | % Mo  | % Sn  | % Ti  | % V        | PPM<br>Nb | PPM<br>N | CE   |
|------------------|-------------------------|-----------------|--|------|------|------|-------|-------|------|------|------|-------|-------|-------|------------|-----------|----------|------|
|                  |                         |                 |  | AVG  | AVG  | AVG  | AVG   | AVG   | AVG  | AVG  | AVG  | AVG   | AVG   | AVG   | AVG        | AVG       | AVG      | AVG  |
| 34956            | 1547                    | 60286           | ANGULO LI 1 1/4" x 1 1/4" x 1/4" A-36 P 6.10m 1.1T | 0.21 | 0.73 | 0.20 | 0.011 | 0.012 | 0.14 | 0.05 | 0.06 | 0.015 | 0.010 | 0.001 | 0.004<br>4 | 6         | 91       | 0.34 |

**PROPIEDADES MECÁNICAS / MECHANICAL PROPERTIES**

| Colada /<br>Heat | Secuencia /<br>Sequence | Clave /<br>Code | Producto / Description of Goods                    | Calibre /<br>Diameter  | Cantidad /<br>Bundle | RT<br>kg/mm² | TS<br>PSI | % Elong /<br>Elong | LF<br>kg/mm² | YS<br>PSI | P. Doblez /<br>Bend Test |
|------------------|-------------------------|-----------------|--|------------------------|----------------------|--------------|-----------|--------------------|--------------|-----------|--------------------------|
|                  |                         |                 |  |                        |                      | AVG          | AVG       | AVG                | AVG          | AVG       |                          |
| 34956            | 1547                    | 60286           | ANGULO LI 1 1/4" x 1 1/4" x 1/4" A-36 P 6.10m 1.1T | 1 1/4" x 1 1/4" x 1/4" | 9                    | 52.0         | 74052.9   | 32.4               | 37.5         | 53476.3   | Cumple /<br>Successfully |



Certificamos que este material ha sido producido, inspeccionado y probado de acuerdo a las normas de fabricación del acero aplicables a la ASTM A36-2008, A529-2005 (re aprobada el 2009), A572-2012 y A992-2011 y a las normas dimensionales NMX B252, ASTM A6/A6M-2012. / We certify that this material has been produced, inspected and tested according to standards applicable steelmaking to ASTM A36-2008, A529-2005 (Reapproved 2009), A572-2012 y A992-2011, and the dimensional standards NMX B252, ASTM A6/A6M-2012



JUAN ALEJANDRO GALVAN GARCIA  
Gerente de Aseguramiento de Calidad / Quality Assurance Manager