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**CERTIFICADO DE CALIDAD / CERTIFICATE OF TEST
 AND ANALYSIS**

| | |
|-----------------------------------|------------------|
| No. Certificado / Certificate No: | 13084 - 10532989 |
| Fecha / Date: | 30/11/2013 |

| 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: | Núm. Viaje / Travel No: 13084 |
| Dirección / Address: AV VALLE DE LAS ALAMEDAS 66 0 SAN FRANCISCO CHILPAN | | Dirección / Address: | Núm. Factura / Invoice No: FQ11012 |
| Ciudad / City: TULTITLAN | Estado / State: EDO. DE MEXICO | Ciudad / City: | Estado / State: |
| Teléfono / Phone: 10838570 | | País / Country: MEXICO C.P./ZIP 54940 | |
| Correo Electrónico / eMail: | | Núm. Plan / Shipping Plan: 14434 | |
| | | Fecha Embarque / Date: 30/11/2013 | |

| COMPOSICIÓN QUÍMICA / CHEMICAL COMPOSITION (% PESO / WEIGHT) | | | | | | | | | | | | | | | | | | |
|--|----------------------|--------------|---|------|------|------|-------|-------|------|------|------|-------|-------|-------|--------|--------|-------|------|
| Colada / Heat | Secuencia / Sequence | Clave / Code | Producto / Description of Goods | % C | % Mn | % Si | % P | % S | % Cu | % Cr | % Ni | % Mo | % Sn | % Ti | % V | PPM Nb | PPM N | CE |
| | | | | AVG | AVG | AVG | AVG | AVG | AVG | AVG | AVG | AVG | AVG | AVG | AVG | AVG | AVG | AVG |
| 1809 | 10151 | 60290 | ANGULO LI 2" x 2" x 3/16" A-36 6.10m 2.0T | 0.21 | 0.81 | 0.20 | 0.012 | 0.011 | 0.22 | 0.12 | 0.08 | 0.017 | 0.012 | 0.001 | 0.0098 | 12 | 0 | 0.36 |
| 1810 | 10150 | 60290 | ANGULO LI 2" x 2" x 3/16" A-36 6.10m 2.0T | 0.22 | 0.84 | 0.16 | 0.015 | 0.012 | 0.24 | 0.14 | 0.08 | 0.016 | 0.011 | 0.000 | 0.0029 | 12 | 0 | 0.39 |
| 1811 | 10149 | 60290 | ANGULO LI 2" x 2" x 3/16" A-36 6.10m 2.0T | 0.23 | 0.78 | 0.21 | 0.012 | 0.004 | 0.18 | 0.09 | 0.08 | 0.014 | 0.012 | 0.001 | 0.0085 | 14 | 0 | 0.38 |

| PROPIEDADES MECÁNICAS / MECHANICAL PROPERTIES | | | | | | | | | | | | |
|---|----------------------|--------------|---|--------------------|-------------------|--------------------------|-----------|-----------------|--------------------------|-----------|-----------------------|--|
| Colada / Heat | Secuencia / Sequence | Clave / Code | Producto / Description of Goods | Calibre / Diameter | Cantidad / Bundle | RT kg/mm ² | TS PSI | % Elong / Elong | LF kg/mm ² | YS PSI | P. Doblez / Bend Test | |
| | | | | | | AVG | AVG | AVG | AVG | AVG | | |
| 1809 | 10151 | 60290 | ANGULO LI 2" x 2" x 3/16" A-36 6.10m 2.0T | 2" x 2" x 3/16" | 3 | 51.7 | 73620.3 | 36.6 | 38.8 | 55215.2 | Cumple / Successfully | |
| 1810 | 10150 | 60290 | ANGULO LI 2" x 2" x 3/16" A-36 6.10m 2.0T | 2" x 2" x 3/16" | 11 | 51.4 | 73108.2 | 34.3 | 41.2 | 56669.9 | Cumple / Successfully | |
| 1811 | 10149 | 60290 | ANGULO LI 2" x 2" x 3/16" A-36 6.10m 2.0T | 2" x 2" x 3/16" | 2 | 52.5 | 74772.4 | 38.8 | 35.9 | 50649.5 | Cumple / 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/ARM-2012. La información de las propiedades químicas y mecánicas contenida en el presente certificado son valores promedio obtenidos de los registros internos de la compañía, cumpliendo con las normas antes mencionada. / 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/ARM-2012. All information described in the certificate are average values that are based on internal company records in compliance with the above rule.

[Handwritten Signature]

FRANCISCO JAVIER VARGAS SOTO
 Gerente de Aseguramiento de Calidad / Quality Assurance Manager

