



EXCELENCIA EN CALIDAD

Acería Ramos Arizpe
 CARRETERA MONCLOVA KM 4 NUMERO 2125,
 TRA
 C.P./ZIP RAMOS ARIZPE, COAHUILA
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**CERTIFICADO DE CALIDAD / CERTIFICATE OF TEST
 AND ANALYSIS**

| | |
|--------------------------------------|------------------|
| No. Certificado / Certificate No: | 15985 - 10576756 |
| Fecha / Date: | 25/01/2014 |

| 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: 15985 |
| Dirección / Address: AV VALLE DE LAS ALAMEDAS 66 0 SAN FRANCISCO CHILPAN | | Dirección / Address: | Núm. Factura / Invoice No: FQ12520 |
| Ciudad / City: TULTITLAN | Estado / State: EDO. DE MEXICO | Ciudad / City: | Pedido / Customer Order No: 10576755 |
| Teléfono / Phone: 10838570 | País / Country: MEXICO C.P./ZIP 64940 | | Núm. Plan / Shipping Plan: 17467 |
| Correo Electrónico / eMail: | | | Fecha Embarque / Date: 25/01/2014 |
| | | | Orden de Compra / Purchase Order: 17418 |

| 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 |
| 2226 | 1944 | 60221 | SOLERA 1" x 1/8" A-36 6.10m 2.0T | 0.17 | 0.70 | 0.15 | 0.010 | 0.011 | 0.19 | 0.09 | 0.07 | 0.015 | 0.011 | 0.000 | 0.006 | 6 | 0 | 0.30 |

| 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 | |
| 2226 | 1944 | 60221 | SOLERA 1" x 1/8" A-36 6.10m 2.0T | 1" x 1/8" | 4 | 53.2 | 75682.7 | 32.4 | 39.6 | 56410.0 | 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/A6M-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 la norma 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 and A992-2011, and the dimensional standards NMX B252, ASTM A6/A6M-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

