

74213



Acería Ramos Arizpe
 CARRETERA MONCLOVA KM 4 NUMERO 2125
 TRAMO SANTA CRUZ OJO CALIENTE
 C.P./ZIP RAMOS ARIZPE, COAHUILA
 Tel/Phone (+52) 01 818 368 1111
 MX 01 800 021 3322, USA 1800 332 2376

CERTIFICADO DE CALIDAD / CERTIFICATE OF TEST AND ANALYSIS

| | |
|-----------------------------------|------------------|
| No. Certificado / Certificate No: | 75992 - 20610652 |
| Fecha / Date: | 18/08/2016 |

EXCELENCIA EN CALIDAD

Hecho en México / Made in Mexico

| DATOS DEL CLIENTE / SOLD TO | | CLIENTE CONSIGNADO / SHIP TO | | DATOS DEL EMBARQUE / SHIPPING INFORMATION | |
|--|--|---|--|--|--|
| Cliente / Customer: FORTACERO SA DE CV | | Cliente / Customer: FORTACERO MONTERREY | | Núm. Viaje / Travel No: 75992 | |
| Dirección / Address: BLVD CARLOS S G KM. 8.8 - - | | Dirección / Address: BLVD. CARLOS SALINAS DE GORTARI KM 8.8 - | | Núm. Factura / Invoice No: FQ41972 | |
| Ciudad / City: APODACA Estado / State: N.L. | | Ciudad / City: APODACA Estado / State: N.L. | | Pedido / Customer Order No: 20810652 | |
| Teléfono / Phone: 818-156-5200 País / Country: MEXICO C.P./ZIP 66600 | | | | Núm. Plan / Shipping Plan: 81222 | |
| Correo Electrónico / eMail: rtorres@fortacero.com | | | | Fecha Embarque / Date: 18/08/2016 | |
| | | | | Orden de Compra / Purchase Order: 4500138681 | |

| COMPOSICIÓN QUÍMICA / CHEMICAL COMPOSITION (% PESO / WEIGHT) | | | | | | | | | | | | | | | | | | |
|--|----------------------|--------------|---|------|------|------|-------|-------|------|------|------|-------|-------|-------|-------|--------|-------|------|
| Coilada / 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 |
| 16793 | 25359 | 10497 | CANAL 10" x 15.3 A36/A572-50 6.10m 2.0T | 0.07 | 1.01 | 0.20 | 0.009 | 0.006 | 0.10 | 0.06 | 0.06 | 0.014 | 0.007 | 0.010 | 0.004 | 309 | 85 | 0.25 |

| PROPIEDADES MECÁNICAS / MECHANICAL PROPERTIES | | | | | | | | | | | |
|---|----------------------|--------------|---|--------------------|-------------------|-----------|---------|-----------------|-----------|---------|-----------------------|
| Coilada / Heat | Secuencia / Sequence | Clave / Code | Producto / Description of Goods | Calibre / Diameter | Cantidad / Bundle | RT kg/mm² | TS PSI | % Elong / Elong | LF kg/mm² | YS PSI | P. Doblez / Bend Test |
| | | | | | | AVG | AVG | AVG | AVG | AVG | |
| 16793 | 25359 | 10497 | CANAL 10" x 15.3 A36/A572-50 6.10m 2.0T | 10" x 15.3 | 5 | 53.4 | 76102.0 | 30.6 | 38.7 | 55169.7 | 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 aprobado 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 and A992-2011, and the dimensional standards NMX B252, ASTM A6/A6M-2012.

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

