



EXCELENCIA EN CALIDAD

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: | 127796 - 21692077 |
| Fecha / Date: | 04/09/2018 |

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: 127796 |
| 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: FQ71203 |
| Ciudad / City: TULTITLAN | Estado / State: EDO. DE MEXICO | Ciudad / City: TULTITLAN | Estado / State: EDO. DE MEXICO |
| Teléfono / Phone: 10838570 | Pais / Country: MEXICO C.P./ZIP 54940 | | Pedido / Customer Order No: 21692077 |
| Correo Electrónico / eMail: | | | Núm. Plan / Shipping Plan: 136666 |
| | | | Fecha Embarque / Date: 04/09/2018 |
| | | | Orden de Compra / Purchase Order: 27336 |

| COMPOSICIÓN QUÍMICA / CHEMICAL COMPOSITION (% PESO / WEIGHT) | | | | | | | | | | | | | | | | | | |
|--|----------------------|------------------------------------|------|------|------|-------|-------|------|------|------|-------|-------|-------|-------|--------|-------|------|--|
| Colada / Heat | Secuencia / Sequence | 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 | |
| 30878 | 37424 | REDONDO S 1 1/4" A-36 P 6.10m 1.5T | 0.20 | 0.70 | 0.21 | 0.008 | 0.012 | 0.22 | 0.08 | 0.07 | 0.020 | 0.010 | 0.001 | 0.002 | 12 | 94 | 0.34 | |
| 30877 | 37448 | REDONDO S 1" A-36 P 6.10m 2.0T | 0.20 | 0.73 | 0.20 | 0.010 | 0.015 | 0.25 | 0.12 | 0.08 | 0.019 | 0.014 | 0.001 | 0.002 | 13 | 70 | 0.35 | |
| 30871 | 37449 | REDONDO S 1" A-36 P 6.10m 2.0T | 0.20 | 0.73 | 0.20 | 0.010 | 0.015 | 0.25 | 0.12 | 0.08 | 0.019 | 0.014 | 0.001 | 0.002 | 13 | 70 | 0.35 | |

| PROPIEDADES MECÁNICAS / MECHANICAL PROPERTIES | | | | | | | | | | | |
|---|----------------------|------------------------------------|--------------------|-------------------|-----------|---------|-----------------|-----------|---------|-----------------------|--|
| Colada / Heat | Secuencia / Sequence | Producto / Description of Goods | Calibre / Diameter | Cantidad / Bundle | RT kg/mm² | TS PSI | % Elong / Elong | LF kg/mm² | YS PSI | P. Doble / Bend Test | |
| | | | | | AVG | AVG | AVG | AVG | AVG | | |
| 30878 | 37424 | REDONDO S 1 1/4" A-36 P 6.10m 1.5T | 1 1/4" | 13 | 42.2 | 60150.2 | 30.5 | 28.2 | 40242.4 | Cumple / Successfully | |
| 30877 | 37448 | REDONDO S 1" A-36 P 6.10m 2.0T | 1" | 5 | 51.9 | 73910.6 | 29.8 | 38.1 | 54315.9 | Cumple / Successfully | |
| 30871 | 37449 | REDONDO S 1" A-36 P 6.10m 2.0T | 1" | 6 | 51.5 | 73298.7 | 30.7 | 37.3 | 53077.9 | Cumple / Successfully | |

PlesaSteel
 05 SET. 2018
 ALMACEN
 RECIBIDO

DEACERO
 EXCELENCIA EN CALIDAD
 S.A.P.I. de C.V.
 04 SEP 2018
BASCULA
 ACERÍA-LAMINACIÓN
 RAMOS

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.



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GUSTAVO GABRIEL MANCILLA GARZA
 Gerente de Aseguramiento de Calidad / Quality Assurance Manager