



EXCELENCIA EN CALIDAD

Acieria Ramos Arizpe
 CARRETERA MONCILOVA 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

Hecho en México / Made in Mexico

| | |
|-----------------------------------|-------------------|
| No. Certificado / Certificate No. | 187311 - 22890843 |
| Fecha / Date | 11/11/2020 |

| DATOS DEL CLIENTE / SOLD TO | | CLIENTE CONSIGNADO / SHIP TO | |
|--|---------------------------------------|---|--------------------------------|
| Cliente / Customer: PLESA ANAHUAC Y CIAS SA DE CV | Estado / State: EDO. DE MEXICO | Cliente / Customer: MATRIZ TULTITLAN | Estado / State: EDO. DE MEXICO |
| Dirección / Address: AV VALLE DE LAS ALAMEDAS 66 0 SAN FRANCISCO CHILPAN | Ciudad / City: TULTITLAN | Dirección / Address: AV VALLE DE LAS ALAMEDAS 66 0 66 SAN FRANCISCO CHILPAN | Ciudad / City: TULTITLAN |
| Teléfono / Phone: 108398570 | Pais / Country: MEXICO C.P./ZIP 54940 | | |
| Correo Electrónico / eMail: roeballos@plesa.com.mx | | | |

| 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 | PPM Nb | PPM N |
| 45825 | 50513 | 63080 | VIGA R 6" x 12.0 A572-50/A992-50 12.20m 4.0T | 0.07 | 1.02 | 0.23 | 0.010 | 0.005 | 0.10 | 0.04 | 0.02 | 0.010 | 0.005 | 0.010 | 304 | 90 |
| 45826 | 50512 | 63080 | VIGA R 6" x 12.0 A572-50/A992-50 12.20m 4.0T | 0.07 | 1.01 | 0.21 | 0.010 | 0.007 | 0.10 | 0.05 | 0.03 | 0.011 | 0.006 | 0.012 | 311 | 89 |

| PROPIEDADES MECÁNICAS / MECHANICAL PROPERTIES | | | | | | | | | | | | |
|---|----------------------|--------------|--|--------------------|-------------------|--------|------------|-----------------|--------|------------|-----------------------|--|
| Colada / Heat | Secuencia / Sequence | Clave / Code | Producto / Description of Goods | Calibre / Diameter | Cantidad / Bundle | RT AVG | TS PSI AVG | % Elong / Elong | LF AVG | YS PSI AVG | P. Doblez / Bend Test | |
| 45825 | 50513 | 63080 | VIGA R 6" x 12.0 A572-50/A992-50 12.20m 4.0T | 6" | 1 | 52.0 | 74044.3 | 31.1 | 38.1 | 54298.8 | Cumple / Successfully | |
| 45826 | 50512 | 63080 | VIGA R 6" x 12.0 A572-50/A992-50 12.20m 4.0T | 6" | 4 | 52.0 | 74027.3 | 30.5 | 38.0 | 54213.4 | Cumple / Successfully | |

OTROS DATOS ADICIONALES / ADDITIONAL INFORMATION
 Acero fundido y colado en: México / Steel melted and poured in Mexico



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 A592-2011 y a las normas dimensionales NMX B252, ASTM A6/AM-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 A592-2011, and the dimensional standards NMX B252, ASTM A6/AM-2012.



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