



**CERTIFICADO DE CALIDAD DE PRODUCTO TERMINADO /
CERTIFICATE MATERIAL TEST REPORT**

| | |
|-------------------------------------|-----------------|
| No. Certificado/ Certificate No: | 8503 - 10437053 |
| Fecha/ Date: | 18-Ago-2013 |

| Ace Ramos | | CARRETERA MONCLOVA KM 4 NUMERO 2125, TRA | | | | RAMOS ARIZPE, COAHUILA | | | | | |
|--|--|--|--|--------------------------------------|--|--|--|---|--|---|--|
| DATOS DEL CLIENTE / CUSTOMER DATA | | | | DATOS DEL CONSIGNADO / CONSIGNE DATA | | | | DATOS DEL EMBARQUE / SHIPPING INFORMATION | | | |
| Cliente/ PLESA ANAHUAC Y CIAS SA DE CV Customer: | | | | | | | | Num. Viaje/ Travel No: 8503 | | | |
| Dirección/ AV VALLE DE LAS ALAMEDAS 66 0 Address: | | | | | | | | Remision/ Invoice No: 43008068 | | | |
| Ciudad/ TULTITLAN City: | | Estado/ EDO. DE MEXICO State: | | | | | | Pedido/ Customer Order No: 10437053 | | | |
| Teléfono/ 10838570 Phone: | | Pais/ Country | | C.P./ 54940 ZIP: | | PRODUCTO TERMINADO/ FINISHING PRODUCT | | | | Num. Plan/ Shipping 9645 | |
| Correo Electrónico/ eMail: | | | | | | | | | | Fecha Embarque/ Shipping Date: 18-Ago-2013 | |

| COMPOSICION QUIMICA (% en Peso) / CHEMICAL COMPOSITION (% weight) | | | | | | | | | | | | | | | | | | | | |
|---|------------------------|-----------------|---|----------------------|------|------|------|-------|-------|------|------|------|------|------|------|------|------|------|------|----|
| Colada/ Heat | Secuencia/ Sequence | Clave / Code | Producto / Description of Goods | Calibre/ Diameter | %C | %Mn | %Si | %P | %S | %Cu | %Cr | %Ni | %Mo | %Sn | %Ti | %N2 | %V | %Nb | %CE | |
| 406 | 8115 | 78026 | VIGA R 8" x 18.0 A992/A572-50 12.20m 4.0T | 8" x 18.0 | 0.22 | 0.94 | 0.20 | 0.007 | 0.003 | 0.08 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| | | | | | | | | | | | 0530 | 0380 | 0080 | 0080 | 0152 | 0000 | 0136 | 0080 | 3836 | |
| 407 | 8114 | 78026 | VIGA R 8" x 18.0 A992/A572-50 12.20m 4.0T | 8" x 18.0 | 0.22 | 0.92 | 0.21 | 0.006 | 0.007 | 0.09 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| | | | | | | | | | | | 0465 | 0405 | 0080 | 0075 | 0150 | 0000 | 0138 | 0080 | 3787 | |

| PROP. FISICAS/PHYSICAL TEST | | | | | | | | | | |
|-----------------------------|------------------------|-------|---|----------|----------|---------|----------|--|-----------------------------------|--------------------|
| Colada/ Heat | Secuencia/ Sequence | Clave | Producto / Description of Goods | RT / TS | | Lf / Ys | | Elongación en % de 8 pulgadas / Elongation in % of 8 inches | Prueba de Dobleces / Bend Test | Paquetes / Bundles |
| | | | | Kg / mm2 | Psi | Kg/mm2 | Psi | | | |
| 406 | 8115 | 78026 | VIGA R 8" x 18.0 A992/A572-50 12.20m 4.0T | 54.6 | 77,589.9 | 40.4 | 57,410.8 | 38 | Cumple | 3 |
| 407 | 8114 | 78026 | VIGA R 8" x 18.0 A992/A572-50 12.20m 4.0T | 50.0 | 71,053.0 | 39.4 | 55,989.8 | 37 | Cumple | 5 |

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 (Aprobada 2009), A572-2012 y A992-2011 y a las normas dimensionales NMX B 252; ASTM A6/A6M-2012, cumpliendo con los resultados.

Aseguramiento de Calidad / Certification
Ing. Javier Vargas Soto
Gerente de Aseguramiento de Calidad /
Quality Assurance Manager