



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

|   |  |  |  |                            |  |   |  |                                |  |                                   |  |  |  |                              |  |   |  |
|---|--|--|--|----------------------------|--|---|--|--------------------------------|--|-----------------------------------|--|--|--|------------------------------|--|---|--|
| Planta 3M   |  | CARRETERA MONCLOVA KM 4 NUMERO 2125, TRA             |  |                            |  | RAMOS ARIZPE, COAHUILA                              |  |                                |  |                                   |  |  |  |                              |  |   |  |
| <b>DATOS DEL CLIENTE / CUSTOMER DATA</b>            |  |  |  |                            |  | No. Certificado/<br>Certificate No: 1659 - 10095169 |  | <b>DATOS DEL EMBARQUE</b>      |  |                                   |  |  |  |                              |  |   |  |
| Cliente/<br>Customer: PLESA ANAHUAC Y CIAS SA DE CV |  | Dirección/<br>Address: AV VALLE DE LAS ALAMEDAS 66 0 |  | Ciudad/<br>City: TULTITLAN |  | Estado/<br>State: EDO. DE MEXICO                    |  | Num. Viaje/<br>Travel No: 1659 |  | Remisión/<br>Invoice No: 43001376 |  |  |  |                              |  |   |  |
| Teléfono/<br>Phone: 10838570                        |  | País/<br>Country: C.P./ 54940                        |  | C.P./<br>ZIP: 54940        |  | <b>PRODUCTO TERMINADO/<br/>FINISHING PRODUCT</b>    |  |                                |  |                                   |  |  |  |                              |  |   |  |
| Correo Electrónico/<br>eMail:                       |  |  |  |                            |  |   |  |                                |  |                                   |  | Pedido/<br>Customer Order No: 10095169 |  | Num. Plan/<br>Shipping: 1902 |  | Fecha Embarque/<br>Shipping Date: 18-Ago-2012 |  |

| COMPOSICION QUIMICA (% en Peso) / CHEMICAL COMPOSITION (% weight) |                        |                 |        |  |      |      |      |       |       |      |  |  |  |  |
|---|------------------------|-----------------|--------|--|------|------|------|-------|-------|------|--|--|--|--|
| Colada/<br>Heat   | Secuencia/<br>Sequence | Molino/<br>Mill | Clave  | Producto / Description of Goods            | %C   | %Mn  | %Si  | %P    | %S    | %Cu  |  |  |  |  |
| 45755   | 2352                   | MOLRAM<br>01    | SL1036 | IA SOLERA 4" x 3/8" A-36 6.10m 2.0T        | 0.15 | 0.66 | 0.18 | 0.013 | 0.012 | 0.30 |  |  |  |  |
| 46434   | 192                    | MOLRAM<br>01    | SL1027 | IA SOLERA 3" x 1/4" A-36 6.10m 2.0T        | 0.16 | 0.67 | 0.16 | 0.013 | 0.022 | 0.23 |  |  |  |  |
| 46465   | 2478                   | MOLRAM<br>01    | SL1027 | IA SOLERA 3" x 1/4" A-36 6.10m 2.0T        | 0.15 | 0.66 | 0.18 | 0.009 | 0.016 | 0.25 |  |  |  |  |
| 49253   | 2353                   | MOLRAM<br>01    | SL1036 | IA SOLERA 4" x 3/8" A-36 6.10m 2.0T        | 0.16 | 0.67 | 0.17 | 0.008 | 0.013 | 0.24 |  |  |  |  |
| 50107   | 2519                   | MOLRAM<br>01    | SL1224 | IA SOLERA 2" x 1/4" A36/A529-50 6.10m 2.0T | 0.21 | 0.83 | 0.18 | 0.015 | 0.018 | 0.24 |  |  |  |  |

| PROP. FISICAS/PHYSICAL TEST |                        |                 |        |  |                     |          |          |         |          |  |                                   |
|-----------------------------|------------------------|-----------------|--------|--|---------------------|----------|----------|---------|----------|--|-----------------------------------|
| Colada/<br>Heat             | Secuencia/<br>Sequence | Molino/<br>Mill | Clave  | Producto / Description of Goods            | Cantidad / Quantity | RT / TS  |          | Lf / Ys |          | Elongación en % de 8 pulgadas /<br>Elongation in % of 8 inches | Prueba de Dobleces /<br>Bend Test |
|                             |                        |                 |        |  |                     | Kg / mm2 | Psi      | Kg/mm2  | Psi      |  |                                   |
| 45755                       | 2352                   | MOLRAM<br>1     | SL1036 | IA SOLERA 4" x 3/8" A-36 6.10m 2.0T        | 1                   | 43.3     | 61,558.9 | 32.0    | 45,514.9 | 38   | Cumple                            |
| 46434                       | 192                    | MOLRAM<br>1     | SL1027 | IA SOLERA 3" x 1/4" A-36 6.10m 2.0T        | 1                   | 47.8     | 67,931.0 | 33.4    | 47,449.3 | 46   | Cumple                            |
| 46465                       | 2478                   | MOLRAM<br>1     | SL1027 | IA SOLERA 3" x 1/4" A-36 6.10m 2.0T        | 8                   | 46.3     | 65,868.6 | 32.6    | 46,425.2 | 38   | Cumple                            |
| 49253                       | 2353                   | MOLRAM<br>1     | SL1036 | IA SOLERA 4" x 3/8" A-36 6.10m 2.0T        | 4                   | 40.1     | 57,078.5 | 30.0    | 42,670.2 | 37   | Cumple                            |
| 50107                       | 2519                   | MOLRAM<br>1     | SL1224 | IA SOLERA 2" x 1/4" A36/A529-50 6.10m 2.0T | 9                   | 51.1     | 72,681.6 | 35.8    | 50,905.5 | 19   | Cumple                            |



El material se encuentra libre de daos al momento de embarcarse. Sin golpes, raspaduras, dobleces, pintura o aceite



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Certificamos que este material se ha producido, inspeccionado y probado acuerdo a normas de fabricación del acero aplicables y las dimensionales NMX B 252; ASTM A6/A6M, cumpliendo satisfactoriamente los resultados obtenidos, quedando en los registros de la compañía.

Aseguramiento de Calidad / Certification  
Ing. Octavio Sarabia Caballero  
Gerente de Aseguramiento de Calidad /  
Quality Assurance Manager

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