



**TERNIUM MEXICO, S.A. DE C.V.**  
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**CERTIFICADO DE CALIDAD /**  
 MILL TEST  
 Fecha de Emisión/ Date of issue  
 (DMA) 02/07/2009  
**601968**

601968

No. / Document number  
 601968

Código cliente/ Customer ID  
 1269

Pedido No. / Sales order  
 107839

Orden de compra/ Purchase order  
 6393

Cliente/ Customer  
 PLESA CIA  
 AV. VALLE DE LAS ALAMEDAS # 66-O COL. SAN FRANCISCO CHILPAN  
 TULITTLAN  
 MX  
 54940

Remisión/ Delivery  
 601968

Medio de Transporte/ Means of transportation  
 Triple eje con susp. de a

Descripción de mercaderías/ Goods description  
 ROLLO FRIO RECOCIDO

| No. Rollo/Coil id. | Colada/Heat | Recubrimiento/ Coating | Peso/Weight |       | Espesor/ Thickness mm / in | Ancho/Width |     | Largo/Length |     | Capa/Thickness     |                  |
|--------------------|-------------|------------------------|-------------|-------|----------------------------|-------------|-----|--------------|-----|--------------------|------------------|
|                    |             |                        | kg          | lb    |                            | in          | mm  | m            | ft  | oz/ft <sup>2</sup> | g/m <sup>2</sup> |
| 1301305AF          | 0920429     | N/A                    | 7450        | 16446 | 1.21 / 0.0476              | 36.18       | 919 | N/A          | N/A | N/A                | N/A              |
| 1301305AG          | 0920429     | N/A                    | 7190        | 15872 | 1.21 / 0.0476              | 36.18       | 919 | N/A          | N/A | N/A                | N/A              |
| 1301306AG          | 0910652     | N/A                    | 7220        | 15938 | 1.2 / 0.0472               | 36.14       | 918 | N/A          | N/A | N/A                | N/A              |

| No. Rollo/Coil id. | Colada/Heat | TS/ST (1) | No. Parte/Part | Datos Generales / General Data                  |  | Norma de Calidad/Quality Norm | Grado/Grade |
|--------------------|-------------|-----------|----------------|---|--|-------------------------------|-------------|
|                    |             |           |                | Descripción/Description                         |  |                               |             |
| 1301305AF          | 0920429     | N/A       |                | ROLLO FRIO RECOCIDO SAE J4031008 MATE ACETITADO |  | SAE J403                      | 1008        |
| 1301305AG          | 0920429     | N/A       |                | ROLLO FRIO RECOCIDO SAE J4031008 MATE ACETITADO |  | SAE J403                      | 1008        |
| 1301306AG          | 0910652     | N/A       |                | ROLLO FRIO RECOCIDO SAE J4031008 MATE ACETITADO |  | SAE J403                      | 1008        |

1. TS: Tratamiento superficial. Acetinado. Señalado. ST: Superficial treatment. Oiled. Signaled, etc.  
 4. RB: Rockwell B  
 5. LL: Limite inferior / Lower Limit  
 6. SU: Limite Superior / Upper Limit

C.I. / ID #

Firma / Signature

*Antonio Mani*

Ing. Antonio Mani  
 Ternium Labs



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| Calidad del Acero / Steel Quality (Análisis Químico/Chemical Analysis) |             |       |       |       |       |       |       |       |       |       |    |       |    |    |       |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|-------|----|----|-------|
| No. Rollo/Coil Id.   | Colada/Heat | C     | Mn    | P     | S     | Al    | Si    | Cu    | Ni    | Cr    | Mo | V     | Cb | Ti | N     |
| 1301305AF  | 0920429     | 0.057 | 0.168 | 0.008 | 0.003 | 0.044 | 0.018 | 0.010 | 0.005 | 0.008 | 0  | 0.001 | 0  | 0  | 0.003 |

| Calidad del Acero / Steel Quality (Análisis Químico/Chemical Analysis) |             |       |       |       |       |       |       |       |       |       |    |       |    |    |       |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|-------|----|----|-------|
| No. Rollo/Coil Id.   | Colada/Heat | C     | Mn    | P     | S     | Al    | Si    | Cu    | Ni    | Cr    | Mo | V     | Cb | Ti | N     |
| 1301305AG  | 0920429     | 0.057 | 0.168 | 0.008 | 0.003 | 0.044 | 0.018 | 0.010 | 0.005 | 0.008 | 0  | 0.001 | 0  | 0  | 0.003 |

| Calidad del Acero / Steel Quality (Análisis Químico/Chemical Analysis) |             |       |       |       |       |       |       |       |       |       |    |       |    |    |       |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|-------|----|----|-------|
| No. Rollo/Coil Id.   | Colada/Heat | C     | Mn    | P     | S     | Al    | Si    | Cu    | Ni    | Cr    | Mo | V     | Cb | Ti | N     |
| 1301306AG  | 0910652     | 0.051 | 0.184 | 0.013 | 0.008 | 0.039 | 0.017 | 0.009 | 0.005 | 0.008 | 0  | 0.002 | 0  | 0  | 0.004 |

- 1. TS: Tratamiento superficial, Aceitado, Sellado / ST: Superficial treatment, Oiled, Stenciled, etc
- 2. LE: Límite elástico / YP: Yield Point
- 3. RT: Resistencia a la tensión / TS: Tensile Strength
- 4. RB: Rockwell B
- 5. LML: Límite Inferior / Lower Limit
- 6. USUL: Límite Superior / Upper Limit

C.I. / ID #

Firma / Signature

Garantizamos que el material aquí descrito ha sido inspeccionado y ensayado por personal autorizado independiente del área de manufactura con resultados satisfactorios en concordancia con la norma arriba descrita.  
 We have certified that the material described in here has been tested and inspected by authorized personnel independent from the manufacturing department with satisfactory results in accordance with requirements of the above specification.  
 Ing. Antonio Martí  
 Ternium Labs