



**TERNIUM MEXICO, S.A. DE C.V.**

**R.F.C. TME-840710-TR4**

Av. Universidad No. 992, Colonia Cuauhtémoc, San Nicolás de los Garza, N.L.,

Código Postal 66450

Teléfonos: +52(81)8329-8500

www.ternium.com

**CERTIFICADO DE CALIDAD /**  
**MILL TEST**

**Fecha de Emisión/ Date of issue**  
(DMA) 30/06/2008

**No./ Document number**  
490948



490948

CC

**Código cliente/ Customer ID**  
501269

**Pedido No./ Sales order**  
97718

**Orden de compra/ Purchase order**  
4575

**Cliente/ Customer**  
PLESA CIA  
AV. VALLE DE LAS ALAMEDAS # 66-OCOL. SAN FRANCISCO CHILPAN  
TULTITLAN,MX,MEX 54940

**Remisión/ Delivery**  
490948

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

**Descripción de mercaderías/ Goods description**  
ROLLO FRIO RECOCIDO

**Datos Generales / General Data**

| No. Rollo/Coil id.            |    | 1195818AG   | 1195828AG | 1195836AH |
|-------------------------------|----|-------------|-----------|-----------|
| Colada/Heat                   |    | DA4106      | DA4128    | DA5358    |
| Recubrimiento/Coating         |    | N/A         | N/A       | N/A       |
| Peso/Weight kg                |    | 5412        | 5280      | 5794      |
| Peso/Weight lb                |    | 11947.02    | 11655.63  | 12790.29  |
| Espesor/Thickness             |    | 0.061       | 0.061     | 0.0618    |
| Ancho<br>Width                | in | LI/LL       | 47.68     | 47.68     |
|                               |    | LS/UL       | 48.78     | 48.78     |
|                               |    | Real/Actual | 48.15     | 48.11     |
|                               | mm | LI/LL       | 1211      | 1211      |
|                               |    | LS/UL       | 1239      | 1239      |
|                               |    | Real/Actual | 1223      | 1222      |
| Largo<br>Length               | m  | LI/LL       | N/A       | N/A       |
|                               |    | LS/UL       | N/A       | N/A       |
|                               |    | Real/Actual | 0         | 0         |
|                               | ft | LI/LL       | N/A       | N/A       |
|                               |    | LS/UL       | N/A       | N/A       |
|                               |    | Real/Actual | 0         | 0         |
| Capa<br>Thickness             |    | oz/ft2      | N/A       | N/A       |
|                               |    | g/m2        | N/A       | N/A       |
| TS/ST (1)                     |    | N/A         | N/A       | N/A       |
| No. Parte/Part                |    | N/A         | N/A       | N/A       |
| Descripción/Description       |    | N/A         | N/A       | N/A       |
| Norma de Calidad/Quality Norm |    | SAE J403    | SAE J403  | SAE J403  |
| Grado/Grade                   |    | 1008        | 1008      | 1008      |

1. TS: Tratamiento superficial, Aceitado, Sellado / ST: Superficial treatment, Oiled, Stenciled, etc  
4. RB: Rockwell B

2. LE: Limite elástico / YP: Yield Point  
5. LI/LL Limite Inferior / Lower Limit

3. RT: Resistencia a la tensión / TS: Tensile Strength  
6. LS/UL Limite Superior / Upper Limit

**Observaciones / Comments**

**C.I. / ID #**

**Firma / Signature**

*Antonio Mani*

Ing. Antonio Mani  
Ternium Labs

Certificamos 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 here certify 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



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| Calidad del Acero / Steel Quality     |           |           |           |
|---------------------------------------|-----------|-----------|-----------|
| No. Rollo/Coil Id.                    | 1195818AG | 1195828AG | 1195836AH |
| Colada/Heat                           | DA4106    | DA4128    | DA5358    |
| Análisis Químico<br>Chemical Analysis | C         | 0.0700    | 0.0600    |
|                                       | Mn        | 0.3400    | 0.3200    |
|                                       | S         | 0.0170    | 0.0130    |
|                                       | P         | 0.0100    | 0.0090    |
|                                       | Si        | 0.0100    | 0.0200    |
|                                       | Al        | 0.0560    | 0.0670    |
|                                       | Cu        | 0.0600    | 0.0400    |
|                                       | V         | 0.0010    | 0.0010    |
|                                       | Cr        | 0.0200    | 0.0200    |
|                                       | Ni        | 0.0300    | 0.0300    |
|                                       | Mo        | 0.0060    | 0.0060    |
|                                       | Sn        | 0.0020    | 0.0010    |
|                                       | N         | 0.0040    | 0.0030    |

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