



TERNIUM MEXICO, S.A. DE C.V.
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**CERTIFICADO DE CALIDAD /
 MILL TEST**

CC

Fecha de Emisión/ Date of issue No./ Document number
 (DMA) 06/06/2008 480377



480377

| | | |
|---|---|--|
| 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 480377 | |
| | 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. | | 1189022AE | |
| Colada/Heat | | 0821601 | |
| Recubrimiento/Coating | | N/A | |
| Peso/Weight kg | | 9585 | |
| Peso/Weight lb | | 21158.94 | |
| Espesor/Thickness | | 0.1071 | |
| Ancho Width | in | LI/LL | 47.68 |
| | | LS/UL | 48.78 |
| | | Real/Actual | 48.11 |
| | mm | LI/LL | 1211 |
| | | LS/UL | 1239 |
| | | Real/Actual | 1222 |
| Largo Length | m | LI/LL | N/A |
| | | LS/UL | N/A |
| | | Real/Actual | 0 |
| | ft | LI/LL | N/A |
| | | LS/UL | N/A |
| | | Real/Actual | 0 |
| Capa Thickness | | oz/ft ² | N/A |
| | | g/m ² | N/A |
| TS/ST (t) | | N/A | |
| No. Parte/Part | | N/A | |
| Descripción/Description | | N/A | |
| Norma de Calidad/Quality Norm | | SAE J403 | |
| Grado/Grade | | 1008 | |

- 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. LI/LL Límite Inferior / Lower Limit
- 6. LS/UL Límite Superior / Upper Limit

| | |
|---|---------------------------------------|
| Observaciones / Comments | C.I. / ID # |
| 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 | Firma / Signature |
| | Ing. Antonio Mani Ternium Labs |



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| Calidad del Acero / Steel Quality | | |
|---------------------------------------|-----------|--------|
| No. Rollo/Coil id: | 1189022AE | |
| Colada/Heat | 0821601 | |
| Análisis Químico Chemical Analysis | C | 0.0550 |
| | Mn | 0.1722 |
| | S | 0.0120 |
| | P | 0.0080 |
| | Si | 0.0080 |
| | Al | 0.0550 |
| | Cu | 0.0090 |
| | Cr | 0.0095 |
| | Sb | 0.0007 |
| | Ni | 0.0052 |
| | Mo | 0.0005 |
| | Sn | 0.0012 |
| | N | 0.0027 |
| | Cb | 0.0021 |
| | V | 0.0012 |
| Ti | 0.0004 | |

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Firma / Signature

Ing. Antonio Maní
Ternium Labs