



TERNIUM MEXICO, S.A. DE C.V.
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CERTIFICADO DE CALIDAD /
MILL TEST
 Fecha de Emisión/ Date of issue
 (DMA) 08/06/2009
593164
 593164

No. / Document number
 593164

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
 TULTITLAN
 MX
 54940

Remisión/ Delivery
 593164

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 | in | mm | oz/ft ² | g/m ² | |
| 1293837AF | RA981356 | N/A | 9890 | 21832 | 3.43 / 0.1350 | 48.19 | 1224 | N/A | N/A | N/A | N/A | N/A |
| 1293838AF | RA970548 | N/A | 9890 | 21832 | 3.44 / 0.1354 | 48.23 | 1225 | N/A | N/A | N/A | N/A | N/A |
| 1293839AF | RA970557 | N/A | 9900 | 21854 | 3.43 / 0.1350 | 48.23 | 1225 | N/A | N/A | N/A | N/A | N/A |

| Datos Generales / General Data | | | | | | |
|--------------------------------|-------------|-----------|----------------|-------------------------|-------------------------------------|-------------|
| No. Rollo/Coil id. | Colada/Heat | TS/ST (1) | No. Parte/Part | Description/Description | Norma de Calidad/Quality Norm | Grado/Grade |
| 1293837AF | RA981356 | N/A | N/A | N/A | SAE J403 | 1008 |
| 1293838AF | RA970548 | N/A | N/A | N/A | SAE J403 | 1008 |
| 1293839AF | RA970557 | N/A | N/A | N/A | SAE J403 | 1008 |

1-TS: Tratamiento superficial: Acetado / Señado / ST: Superficial treatment: Oiled / Stamped etc
 2-ET: Límite elástico / Yield Point
 3-RT: Resistencia a la tracción / Tensile Strength
 4- RB: Rockwell B
 5- LML Límite Inferior / Lower Limit
 6- SUL Límite Superior / Upper Limit

Observaciones / Comments

C.I. / ID #

Firma / Signature

Antonio Mani
 Ing. Antonio Mani
 Ternium S.A.S.

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



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MILL TEST
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 (DMA) 08/06/2009
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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 | N |
| 1293837AF | RA981356 | 0.040 | 0.170 | 0.010 | 0.010 | 0.037 | 0.010 | 0.010 | 0.020 | 0.020 | 0.004 |

| Calidad del Acero / Steel Quality (Análisis Químico/Chemical Analysis) | | | | | | | | | | | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| No. Rollo/Coil id. | Colada/Heat | C | Mn | P | S | Al | Si | Cu | Ni | Cr | N |
| 1293838AF | RA970548 | 0.060 | 0.200 | 0.010 | 0.010 | 0.033 | 0.020 | 0.010 | 0.020 | 0.030 | 0.004 |

| Calidad del Acero / Steel Quality (Análisis Químico/Chemical Analysis) | | | | | | | | | | | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| No. Rollo/Coil id. | Colada/Heat | C | Mn | P | S | Al | Si | Cu | Ni | Cr | N |
| 1293839AF | RA970557 | 0.060 | 0.190 | 0.010 | 0.010 | 0.041 | 0.020 | 0.010 | 0.030 | 0.020 | 0.003 |

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

Observaciones / Comments

C.I./ID #

Confirmando que el material aquí descrito ha sido inspeccionado y aceptado por personal autorizado independiente del área de manufactura en resultados satisfactorios en concordancia con la firma arriba descrita.
 We hereby 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

Antonio Mari

Ing. Antonio Mari
 Ternium Labs