



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

CC

Fecha de Emisión/ Date of issue
(DMA) 05/11/2008

No./ Document number
531375



531375

Código cliente/ Customer ID

501269

Pedido No./ Sales order

100876

Orden de compra/ Purchase order

5128

Cliente/ Customer

PLESA CIA

AV. VALLE DE LAS ALAMEDAS # 66-OCOL. SAN FRANCISCO CHILPAN

TULTITLAN, MX, MEX 54940

Remisión/ Delivery

531375

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. | | 1229226AH | 1229226AI | |
|-------------------------------|----|-------------|-----------|-------|
| Colada/Heat | | 843121 | 843121 | |
| Recubrimiento/Coating | | N/A | N/A | |
| Peso/Weight kg | | 9325 | 9165 | |
| Peso/Weight lb | | 20584.99 | 20231.79 | |
| Espesor/Thickness mm / in | | 0.0245 | 0.0245 | |
| Ancho Width | in | LI/LL | 47.68 | 47.68 |
| | | LS/UL | 48.78 | 48.78 |
| | | Real/Actual | 48.03 | 48.03 |
| | mm | LI/LL | 1211 | 1211 |
| | | LS/UL | 1239 | 1239 |
| | | Real/Actual | 1220 | 1220 |
| Largo 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 Thickness | | oz/ft2 | N/A | N/A |
| | | g/m2 | N/A | N/A |
| TS/ST (1) | | N/A | N/A | |
| No. Parte/Part | | N/A | N/A | |
| Descripción/Description | | N/A | N/A | |
| Norma de Calidad/Quality Norm | | SAE J403 | SAE J403 | |
| Grado/Grade | | 1008 | 1008 | |

Calidad del Acero / Steel Quality

| No. Rollo/Coil id. | | 1229226AH | 1229226AI |
|------------------------------|-------------|-----------|-----------|
| Colada/Heat | | 843121 | 843121 |
| Dureza RB RB Hardness (4) | LI/LL | 0.00 | 0.00 |
| | LS/UL | 70.00 | 70.00 |
| | Real/Actual | 40.00 | 40.00 |

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 #

Certificamos que el material aqui 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 personal 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. | | 1229226AH | 1229226AI |
| Colada/Heat | | 843121 | 843121 |
| Análisis Químico Chemical Analysis (LI/LL – Real – LS/UL) % | C | 0.0530 | 0.0530 |
| | Mn | 0.1709 | 0.1709 |
| | S | 0.0041 | 0.0041 |
| | P | 0.0053 | 0.0053 |
| | Si | 0.0186 | 0.0186 |
| | Al | 0.0337 | 0.0337 |
| | Cr | 0.0091 | 0.0091 |
| | Cu | 0.0055 | 0.0055 |
| | Ni | 0.0051 | 0.0051 |
| | Sb | 0.0005 | 0.0005 |
| | Mo | 0.0011 | 0.0011 |
| | Sn | 0.0008 | 0.0008 |
| | N | 0.0040 | 0.0040 |
| | Cb | 0.0003 | 0.0003 |
| | V | 0.0013 | 0.0013 |
| | Ca | 0.0029 | 0.0029 |
| Ti | 0.0005 | 0.0005 | |

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Observaciones / Comments

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