



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

Fecha de Emisión / Date of Issue
 (DMA) 09/03/2011

No./ Document number
 0627324683



0627324683

Código cliente/ Customer ID
 232500

Pedido No./ Sales order
 0603386124

Orden de compra/ Purchase order
 9578

Cliente/ Customer
 PLASA ANAHUAC Y CIAS. S.A. DE C.V.
 AV. VALLE DE LAS ALAMEDAS 66 SN. FCO.
 TULTITLAN, EDO. DE MEXICO
 99999

Remisión/ Delivery
 0627324683

Medio de Transporte/ Means of transportation
 Ferrocarril

Descripción de mercaderías/ Goods description
 RFR

Datos Generales / General Data

| 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/ft2 | g/m2 |
| 182268-010 | 28220 | N/A | 6295 | 13878 | 0.62 / 0.0245 | 48.11 | 1221.99 | 0 | N/A | N/A | N/A |
| 182268-020 | 28220 | N/A | 6340 | 13977 | 0.62 / 0.0245 | 48.11 | 1221.99 | 0 | N/A | N/A | N/A |
| 182270-010 | 28220 | N/A | 5995 | 13217 | 0.62 / 0.0244 | 48.11 | 1221.99 | 0 | N/A | N/A | N/A |
| 182270-020 | 28220 | N/A | 6035 | 13305 | 0.62 / 0.0244 | 48.11 | 1221.99 | 0 | N/A | N/A | N/A |

1. TS: Tratamiento superficial, Aceitado / ST: Superficial treatment, Oiled, Stenciled, etc
 4. HRBW: Rockwell B Indentador de WC

2. LE: Límite elástico / YP: Yield Point
 5. L/LL Límite Inferior / Lower Limit

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

Observaciones / Comments
 N/A

C.I. / ID #

Firma / Signature

Ing. Antonio Maní
 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.
 Propiedades Mecánicas bajo las normas ASTM E8, E18, E517, E646, EN-10002, según requerimiento y peso de capa bajo ASTM A90
 Análisis Químico bajo la norma ASTM E 415 / 1019
 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
 Mechanical Properties as ASTM E8, E18, E517, E646, EN-10002, as required and coating weight with ASTM A90
 Chemical Analysis as ASTM E 415 / 1019



0627324683

Datos Generales / General Data

| No. Rollo/Coil id. | Colada/Heat | TS/ST (1) | No. Parte/Part | Descripción/Description | Norma de Calidad/Quality Norm | Grado/Grade |
|--------------------|-------------|-----------|----------------|-------------------------|-------------------------------|-------------|
| 182268-010 | 28220 | N/A | N/A | N/A | SAE1008 | N/A |
| 182268-020 | 28220 | N/A | N/A | N/A | SAE1008 | N/A |
| 182270-010 | 28220 | N/A | N/A | N/A | SAE1008 | N/A |
| 182270-020 | 28220 | N/A | N/A | N/A | SAE1008 | N/A |

Calidad del Acero / Steel Quality (Análisis Químico/Chemical Analysis)

| No. Rollo/Coil id. | Colada/Heat | Al | C | Cb | Cr | Cu | Mn | Mo | Ni | P | S | Si | Ti | V |
|--------------------|-------------|-------|-------|----|-------|-------|-------|----|-------|-------|-------|-------|----|---|
| 182268-010 | 28220 | 0.025 | 0.080 | 0 | 0.010 | 0.020 | 0.360 | 0 | 0.010 | 0.007 | 0.003 | 0.020 | 0 | 0 |

Calidad del Acero / Steel Quality (Análisis Químico/Chemical Analysis)

| No. Rollo/Coil id. | Colada/Heat | Al | C | Cb | Cr | Cu | Mn | Mo | Ni | P | S | Si | Ti | V |
|--------------------|-------------|-------|-------|----|-------|-------|-------|----|-------|-------|-------|-------|----|---|
| 182268-020 | 28220 | 0.025 | 0.080 | 0 | 0.010 | 0.020 | 0.360 | 0 | 0.010 | 0.007 | 0.003 | 0.020 | 0 | 0 |

Calidad del Acero / Steel Quality (Análisis Químico/Chemical Analysis)

| No. Rollo/Coil id. | Colada/Heat | Al | C | Cb | Cr | Cu | Mn | Mo | Ni | P | S | Si | Ti | V |
|--------------------|-------------|-------|-------|----|-------|-------|-------|----|-------|-------|-------|-------|----|---|
| 182270-010 | 28220 | 0.025 | 0.080 | 0 | 0.010 | 0.020 | 0.360 | 0 | 0.010 | 0.007 | 0.003 | 0.020 | 0 | 0 |

Calidad del Acero / Steel Quality (Análisis Químico/Chemical Analysis)

| No. Rollo/Coil id. | Colada/Heat | Al | C | Cb | Cr | Cu | Mn | Mo | Ni | P | S | Si | Ti | V |
|--------------------|-------------|-------|-------|----|-------|-------|-------|----|-------|-------|-------|-------|----|---|
| 182270-020 | 28220 | 0.025 | 0.080 | 0 | 0.010 | 0.020 | 0.360 | 0 | 0.010 | 0.007 | 0.003 | 0.020 | 0 | 0 |

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