



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

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CERTIFICADO DE CALIDAD / MILL TEST

Fecha de Emisión/ Date of issue (DMA) 11/05/2009

582383

582383

No./ Document number 582383

Código cliente/ Customer ID 1269

Pedido No./ Sales order 104349

Orden de compra/ Purchase order 5883

Cliente/ Customer PLESA CIA AV VALLE DE LAS ALAMEDAS # 66-O COL. SAN FRANCISCO CHILPAN TULTITLAN MX 54940

Remisión/ Delivery 582383

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

Descripción de mercaderías/ Goods description ROLLO FRIO TENSIONIVELADO

| Datos Generales / General Data | | | | | | | | | | | | | | | | | | | |
|--------------------------------|-------------|------------------------|-------------|------|----------------------------|-------------|---------------|--------------|-------|----------------|------|----|-----|----|-----|--------------------|-----|------------------|-----|
| No. Rollo/Coil id. | Colada/Heat | Recubrimiento/ Coating | Peso/Weight | | Espesor/ Thickness mm / In | Ancho/Width | | Largo/Length | | Capa/Thickness | | | | | | | | | |
| HA15554AJ | 21064 | N/A | kg | 7870 | lb | 17373 | 0.62 / 0.0245 | in | 48.07 | mm | 1221 | in | N/A | mm | N/A | oz/ft ² | N/A | g/m ² | N/A |

| 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 |
| HA15554AJ | 21064 | N/A | N/A | N/A | SAE J403 | 1008 |

- 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/LLL Limite Inferior / Lower Limit
- 6. L/SUL Limite Superior / Upper Limit

Observaciones / Comments

C.I. / ID #

Firma / Signature

Confirmando que el material aquí descrito ha sido inspeccionado y ensayado por personal autorizado independiente del area de manufactura con resultados satisfactorios en concordancia con la norma arriba descrita. We hereby certify that the material inspected 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.

Antonio Mani Ternium Labs



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| Calidad del Acero / Steel Quality | |
|-----------------------------------|--------------------------|
| No. Rollo/Coil id. | Colada/Heat |
| HA15554AJ | 21064 |
| | Dureza RB/RB Hardness(4) |
| | 50 |

| Calidad del Acero / Steel Quality (Análisis Químico/Chemical Analysis) | | | | | | | | | | | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| No. Rollo/Coil id. | Colada/Heat | C | Mn | P | S | Al | Si | Cu | Ni | Cr | Ti |
| HA15554AJ | 21064 | 0.060 | 0.340 | 0.006 | 0.003 | 0.034 | 0.020 | 0.030 | 0.020 | 0.010 | 0.001 |

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- 2. LE: Límite elástico / YP: Yield Point
- 3. RT: Resistencia a la tensión / TS: Tensile Strength
- 4. RB: Rockwell B
- 5. LULL: Límite inferior / Lower Limit
- 6. LSUU: Límite Superior / Upper Limit

Observaciones / Comments

C.I. / ID #

Firma / Signature

Antonio Mari
 Ing. Antonio Mari
 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 hereby certify that the material described herein has been tested and inspected by authorized personnel independent from the manufacturing department with satisfactory results in accordance with requirements of the above specification.