



**CERTIFICADO DE CALIDAD /  
MILL TEST**

CC

**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

**Fecha de Emisión/ Date of issue**  
(DMA) 12/10/2008

**No./ Document number**  
525585



525585

**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**  
525585

**Medio de Transporte/ Means of transportation**  
Gondola Cerrada

**Descripción de mercaderías/ Goods description**

ROLLO FRIO RECOCIDO

**Datos Generales / General Data**

No. Rollo/Coil id.		1225444AH	1225563AI	HA12438AJ	HA12438AK	
Colada/Heat		843122	823127	11545	11545	
Recubrimiento/Coating		N/A	N/A	N/A	N/A	
Peso/Weight kg		8545	9095	8520	8370	
Peso/Weight lb		18863.13	20077.26	18807.95	18476.82	
Espesor/Thickness mm / in		0.024	0.0236	0.0236	0.0236	
Ancho Width	in	LI/LL	47.68	47.68	47.68	
		LS/UL	48.78	48.78	48.78	
		Real/Actual	48.23	48.19	48.03	48.03
	mm	LI/LL	1211	1211	1211	1211
		LS/UL	1239	1239	1239	1239
		Real/Actual	1225	1224	1220	1220
Largo Length	m	LI/LL	N/A	N/A	N/A	
		LS/UL	N/A	N/A	N/A	N/A
		Real/Actual	0	0	0	0
	ft	LI/LL	N/A	N/A	N/A	N/A
		LS/UL	N/A	N/A	N/A	N/A
		Real/Actual	0	0	0	0
Capa Thickness		oz/ft2	N/A	N/A	N/A	
		g/m2	N/A	N/A	N/A	
TS/ST (1)		N/A	N/A	N/A	N/A	
No. Parte/Part		N/A	N/A	N/A	N/A	
Descripción/Description		N/A	N/A	N/A	N/A	
Norma de Calidad/Quality Norm		SAE J403	SAE J403	SAE J403	SAE J403	
Grado/Grade		1008	1008	1008	1008	

**Calidad del Acero / Steel Quality**

No. Rollo/Coil id.		1225444AH	1225563AI	HA12438AJ	HA12438AK
Colada/Heat		843122	823127	11545	11545
Dureza RB RB Hardness (4)	LI/LL	0.00	0.00	0.00	0.00
	LS/UL	70.00	70.00	70.00	70.00
	Real/Actual	47.00	38.00	50.00	50.00

1. TS: Tratamiento superficial, Aceitado, Sellado / ST: Superficial treatment, Oiled, Stenciled, etc  
4. RB: Rockwell B

2. LE: Limite elastico / 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 #**

**Firma / Signature**

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

*Antonio Mani*

Ing. Antonio Mani  
Ternium Labs



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		Calidad del Acero / Steel Quality			
No. Rollo/Coil id.		1225444AH	1225563AI	HA12438AJ	HA12438AK
Colada/Heat		843122	823127	11545	11545
Análisis Químico Chemical Analysis (L/LL - Real - LS/UL) %	C	0.0590	0.0560	0.0500	0.0500
	Mn	0.1607	0.1699	0.1800	0.1800
	S	0.0037	0.0040	0.0080	0.0080
	P	0.0052	0.0067	0.0080	0.0080
	Si	0.0186	0.0155	0.0200	0.0200
	Al	0.0305	0.0633	0.0480	0.0480
	Cr	0.0126	0.0099	0.0100	0.0100
	Cu	0.0051	0.0055	0.0500	0.0500
	Ni	0.0028	0.0034	0.0200	0.0200
	Sb	0.0005	0.0005		
	Mo	0.0002	0.0003		
	Sn	0.0003	0.0003		
	N	0.0046	0.0037		
	Cb	0.0003	0.0003		
	V	0.0008	0.0010		
	Ca	0.0035	0.0032		
Ti	0.0001	0.0001	0.0020	0.0020	

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Observaciones / Comments

C.I. / ID #

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