



**CERTIFICADO DE CALIDAD /
MILL TEST**

CC

TERNIUM MEXICO, S.A. DE C.V.
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Fecha de Emisión/ Date of issue No./ Document number
 (DMA) 28/07/2008 500607



500607

Código cliente/ Customer ID
501269

Pedido No./ Sales order
97718

Orden de compra/ Purchase order
4575

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

Remisión/ Delivery
500607

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.		1205222AH	1205580AI	1205580AJ	1205581AI	
Colada/Heat		0812024	0832361	0832361	0832360	
Recubrimiento/Coating		N/A	N/A	N/A	N/A	
Peso/Weight kg		9082	6810	7318	7094	
Peso/Weight lb		20048.57	15033.11	16154.53	15660.04	
Espesor/Thickness		0.061	0.061	0.061	0.061	
Ancho Width	in	LI/LL	35.67	35.67	35.67	
		LS/UL	36.77	36.77	36.77	
		Real/Actual	36.1	36.02	36.02	36.14
	mm	LI/LL	906	906	906	906
		LS/UL	934	934	934	934
		Real/Actual	917	915	915	918
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	

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 Strenght
 6. LS/UL Limite Superior / Upper Limit

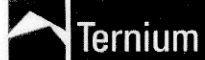
Observaciones / Comments

C.I. / ID #

Firma / Signature

Ing. Antonio Mani
Ternium Labs

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



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		Calidad del Acero / Steel Quality			
No. Rollo/Coil id.		1205222AH	1205580AI	1205580AJ	1205581AI
Colada/Heat		0812024	0832361	0832361	0832360
Análisis Químico Chemical Analysis	C	0.0630	0.0540	0.0540	0.0540
	Mn	0.1843	0.1969	0.1969	0.2168
	S	0.0032	0.0070	0.0070	0.0043
	P	0.0043	0.0067	0.0067	0.0075
	Si	0.0128	0.0078	0.0078	0.0146
	Al	0.0433	0.0320	0.0320	0.0346
	Cr	0.0124	0.0169	0.0169	0.0242
	Cu	0.0042	0.0220	0.0220	0.0313
	Ni	0.0034	0.0134	0.0134	0.0228
	Sb	0.0005	0.0005	0.0005	0.0016
	Mo	0.0005	0.0042	0.0042	0.0098
	Sn	0.0003	0.0005	0.0005	0.0004
	N	0.0029	0.0029	0.0029	0.0039
	Cb	0.0009	0.0003	0.0003	0.0003
	V	0.0003	0.0010	0.0010	0.0012
	Ca	0.0023	0.0025	0.0025	0.0025
	Ti	0.0009	0.0002	0.0002	0.0003

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